



NATIONAL YOUTH SERVICE

**PROPOSED REHABILITATION AND UPGRADING OF SEWER
LINE AT NHU, NYS HEADQUARTERS RUARAKA**

NYS/PROC/10/2019-2020

CIVIL WORKS TENDER DOCUMENT

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DECEMBER, 2019

PROPOSED REHABILITATION AND UPGRADING OF SEWER LINE AT NHU, NYS HEADQUARTERS RUARAKA

CIVIL WORKS

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STANDARD TENDER DOCUMENT

FOR

PROCUREMENT OF WORKS
(BUILDING AND ASSOCIATED CIVIL ENGINEERING WORKS)

(REVISED OCTOBER 2006)

STD/1

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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.

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 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

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 pre-qualified following a request for prequalification.

The cover of the document shall be modified to include: -

- Tender number.
- Tender name.
- Name of procuring entity.
- Delete name and address of PPOA.

SECTION I INVITATION TO TENDER

17th December, 2019

Tender reference no. NYS/PROC/10/2019-2020

Tender Name PROPOSED REHABILITATION AND UPGRADING OF SEWER LINE AT NHU, NYS HEADQUARTERS RUARAKA.

1.1 The **THE DIRECTOR GENERAL, NATIONAL YOUTH SERVICE** invites sealed tenders for the construction of **PROPOSED REHABILITATION AND UPGRADING OF SEWER LINE AT NHU, NYS HEADQUARTERS RUARAKA.**

1.2 Interested eligible candidates may obtain further information and inspect tender documents at the Procurement office room 113 **NATIONAL YOUTH SERVICE HEADQUARTERS** during normal working hours.

1.3 A complete set of tender documents may be downloaded from the **NATIONAL YOUTH SERVICE (NYS)** website: *www.nys.go.ke* or IFMIS suppliers' portal *supplier.treasury.go.ke* free of charge or Ksh 1,000 will be charged for obtaining tender document from NYS headquarters payable to the NYS cash or bankers cheque.

1.4 Prices quoted should be inclusive of all taxes, must be in Kenya shillings and shall remain valid for (150) days from the closing date of tender.

1.5 Completed tender documents are to be enclosed in plain sealed envelope marked with the tender number and be deposited in the tender box at the NYS Headquarters 1st floor so as to be received on or before 03rd **January, 2020** at 10.00 a.m. addressed to:

**THE DIRECTOR GENERAL
NATIONAL YOUTH SERVICE - HEADQUARTERS
P. O. Box 30397-00100
NAIROBI.**

1.6 Tenders will be opened immediately thereafter at 10.00 a.m. in the presence of tenderers or their representatives who choose to attend at NYS Headquarters Boardroom 2nd floor.

1.7 Candidates are invited for a **MANDATORY** site visit at NYS Headquarters, Ruaraka on **23RD December, 2019, at 10.00am**

**HEAD SUPPLY CHAIN MANAGEMENT SERVICES
FOR: DIRECTOR GENERAL**

SECTION II

INSTRUCTIONS TO TENDERERS

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INSTRUCTIONS TO TENDERERS.

1. 1. 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, authorized 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 whose value is equal to the estimated annual cash flow for the Contract;

- (b) experience as main contractor in the construction of at least one project whose nature and complexity is equivalent to the Works over the last 10 years (to comply with this requirement, works cited should be at least 70 percent complete);
 - (c) proposals for the timely acquisition (own, lease, hire, etc.) of the essential equipment listed as required for the Works;
 - (d) 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
 - (e) 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/=
- STD/8
- 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 circulated 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.

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

- (a) These Instructions to Tenderers, Form of Tender, Conditions of 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.
- 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.
- STD/10
- 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.

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- 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 authorized 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 initialed 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.

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.

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- 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.

STD/13

- 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 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 nonconforming 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 Builders' Work (as a rebate or addition as the case may be) for the purposes of valuations for Interim Certificates and valuation of variations.

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- (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.

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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)

STD/16

- 6.9 The tender evaluation committee shall evaluate the tender within 30 days of the validity period from the date of opening the tender.
- 6.10 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 variation 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.

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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.

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“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.

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

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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.

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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 specifications and drawings to the Project Manager and to any other relevant third parties for their approval. No erection of temporary works shall be done until such approvals are obtained.
- 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 updated program at intervals no longer than the period stated in the Appendix to Conditions of Contract. If the Contractor does not submit an updated program within this period, the Project Manager may withhold the amount stated in the said Appendix from the next payment 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.

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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 authorized 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.

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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 carrying out any resulting instructions of the Project Manager.

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 borne 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.

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- 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.

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- 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 when the amount of the sums due

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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:

$$R = \frac{A(x^1 - x^{11})}{80 - 20}$$

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.
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- (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.

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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 subclauses 25.4 and 25.5 and shall be subject to adjustment in the events specified there under;
- (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.
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 - (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.

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- 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.

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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 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 are issuing a Certificate of Completion.

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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 authorized 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.

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

33.4 If the Contract is terminated, the Contractor shall stop work 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.

STD/35

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 disfavor 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
- (ii) Institute of Quantity Surveyors of Kenya
- STD/36
- (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 there under 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.

STD/37

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.

STD/38

SECTION IV – APPENDIX TO CONDITIONS OF CONTRACT

The **EMPLOYER** is:

Name: **DIRECTOR-GENERAL, NATIONAL YOUTH SERVICE**

Address: **P. O BOX 30397-00100, NAIROBI**

Name of Authorized Representative: **PRINCIPAL SECRETARY, STATE DEPARTMENT OF PUBLIC WORKS**

Telephone: **+254-020-2723101**

Facsimile: **+254-020-2716586**

The **PROJECT MANAGER** is:

Name: **WORKS SECRETARY, STATE DEPARTMENT OF PUBLIC WORKS.**

Address: **P. O BOX 30743 -00100, NAIROBI.**

Telephone: **020-2723101**

Facsimile: **020-2716737**

The name (and identification number) of the Contract is **PROPOSED REHABILITATION AND UPGRADE OF SEWER LINE AT NHU, NYS HEADQUARTERS RUARAKA.**

The Works consist of **THE WORKS TO BE CARRIED OUT UNDER THIS CONTRACT INVOLVES UPGRADE OF THE SEWER SYSTEM AND ASSOCIATED WORKS.**

The Start Date shall be **AGREED WITH THE PROJECT MANAGER.**

The Intended Completion Date for the whole of the Works shall be **52 WEEKS FROM DATE OF POSSESSION.**

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

The Contractor shall submit a revised program for the Works within 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 Ruaraka, Nairobi County approximately 10Km from Nairobi CBD.
STD/39

The Defects Liability period is 180 days.

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:
2. The minimum cover for loss or damage to Equipment is **Kshs 2,000,000.00**
3. The minimum for insurance of other property is **Kshs 2,000,000.00**
4. The minimum cover for personal injury or death insurance

- For the Contractor's employees is **Kshs 1,500,000.00**
- And for other people is **Kshs 1,500,000.00**

The following events shall also be Compensation Events:

1. NONE (ONLY AS LISTED IN CLAUSE 24 OF THE CONDITIONS OF CONTRACT.
2. _____
3. _____
4. _____

The period between Program updates is **7 days**.

The amount to be withheld for late submission of an updated Program is **WHOLE CERTIFICATE**

The proportion of payments retained is **10% percent (IFMIS ONLY ACCEPTS 10%)**

The Limit of Retention is **10% percent**.

The Price Adjustment Clause SHALL **apply**.

The liquidated damages for the whole of the Works is **Kshs. 20,000.00** (per week or part thereof)

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 52[**Weeks**]

The rate of exchange for calculation of foreign currency payments is **NOT APPLICABLE**
STD/40

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

PRICE INCREASE WILL BE BASED ON JBC INDICES.

Advance Payment **SHALL NOT BE** granted.

The CONTRACTOR'S UNIT RATES should be inclusive of VAT.

Copies of tender documents: **Original and One copy**.

SECTION V - SPECIFICATIONS

Specifications will be as published by the Ministry of Roads and Public Works General Specifications dated March, 1976 (together with any amendments issued thereto).

STD/41

SECTION VI - DRAWINGS

CIVIL WORKS DRAWINGS

SITE PLAN & LONGITUDINAL SECTIONS
STANDARD DETAILS

STD/42

SECTION VIII – STANDARD FORMS

- (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
- (xi) Letter of Notification of Award

STD/43

FORM OF INVITATION FOR TENDERS

_____ *[date]*

To: _____ *[name of Contractor]*

_____ *[address]*

Dear Sirs:

Reference: _____ [Contract Name]

You have been pre-qualified to tender for the above project.

We hereby invite you and other pre-qualified tenderers to submit a tender for the execution and completion of the above Contract.

A complete set of tender documents may be purchased by you from _____

[Mailing address, cable/telex/facsimile numbers].

Upon payment of a non-refundable fee of Kshs _____

All tenders must be accompanied by _____ number of copies of the same and a security in the form and amount specified in the tendering documents, and must be delivered to

[Address and location]

at or before _____ (time and date). Tenders will be opened immediately thereafter, in the presence of tenderers' representatives who choose to attend.

Please confirm receipt of this letter immediately in writing by cable/facsimile or telex.

Yours faithfully,

Authorized Signature

Name and Title

STD/44

FORM OF TENDER

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 _____

mount in words]

[A

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

Employer]

of _____ [Address of
Employer]

Witness; Name _____

Address _____

Signature _____

Date _____

STD/45

INTENTION TO ENTER INTO A CONTRACT [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 **Rehabilitation and Upgrading of Sewer Line at NHU, NYS Headquarters - Ruaraka** 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 required to respond by indicating your acceptance or otherwise to this offer within seven days from the date of this letter.

Authorized Signature

Name and Title of Signatory

STD/46

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 Specifications
 - (v) Drawings
 - (vi) 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

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IN WITNESS whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

FOR AND ON BEHALF OF THE EMPLOYER.

Name:.....

Title:.....

Binding

Signature:.....

Date:.....

Witnessed by

Name:.....

Address:.....

Signature:.....

Date:.....

FOR AND ON BEHALF OF THE CONTRACTOR.

Name of the Contractor:.....

Full name of Contractor`s authorized representative:.....

Title:.....

Binding Signature:.....

Date:.....

Witnessed by

Name:.....

Address:.....

Signature:.....

Date:.....

STD/48

FORM OF TENDER SECURITY

WHEREAS(hereinafter called “the Tenderer”) has submitted his tender dated for the **Proposed Rehabilitation and upgrading of Sewer line at NHU, NYS Headquarters - Ruaraka**

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 one hundred and twenty days (120) days after the period of tender validity, and any demand in respect thereof should reach the Bank not later than the said date.

_____	_____
<i>[date]</i>	<i>[signature of the Bank]</i>
_____	_____
<i>[witness]</i>	<i>[seal]</i>

STD/49

PERFORMANCE BANK GUARANTEE

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

STD/50

BANK GUARANTEE FOR ADVANCE PAYMENT

To: _____ [*name of Employer*] _____ (*Date*)
_____ [*address of Employer*]

Gentlemen,

Ref: Proposed Rehabilitation and Upgrading of Sewer Line at NHU, NYS Headquarters - Ruaraka

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,

STD/51

Signature and Seal _____

Name of the Bank or financial institution _____

Address _____

Date _____

Witness: Name: _____

Address: _____

Signature: _____

Date: _____

STD/52

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 completion	Value of Contract

STD/53

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 purchased (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 (general)	Years of experience in proposed position
Project Manager			
(etc.)			

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.

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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

- 2.4 The information listed in 1.1 – 1.10 above shall be provided for each partner of the joint venture.
- 2.5 The information required in 1.11 above shall be provided for the joint venture.
- 2.6 Attach the power of attorney of the signatory(ies) of the tender authorizing signature of the tender on behalf of the joint venture
- 2.7 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.

STD/55

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)

STD/56

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 License 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>	<i>Shares</i>
1
2
3

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Part 2(c) – Registered Company:

Private or public.....

State the nominal and issued capital of the Company-

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)

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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

STD/60

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.

Please acknowledge receipt of this letter of notification signifying your acceptance.

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.

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

STD/61

REPUBLIC OF KENYA

**MINISTRY OF TRANSPORT, INFRASTRUCTURE, PUBLIC WORKS, HOUSING & URBAN
DEVELOPMENT**

STATE DEPARTMENT OF PUBLIC WORKS

PROPOSED REHABILITATION AND UPGRADING OF SEWER LINE
AT NHU, NYS HEADQUARTERS RUARAKA

NYS/PROC/10/2019-2020

**TENDER
EVALUATION CRITERIA**

1ST EDITION (2015)

EC/1

TENDER EVALUATION CRITERIA

After tender opening, the tenders will be evaluated in **4 stages**, namely:

1. Preliminary examination;
2. Technical evaluation;
3. Financial Evaluation; and
4. Recommendation for Award.

STAGE 1: 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 shall include the following:

- i) Certified copy of Company's Certificate of Incorporation / Business Registration
- ii) Certifies copy of Current Category of Registration with National Construction Authority (NCA) in the relevant trade; (NCA 4 and above - Civil or Water Works).
- iii) Certifies copy of Current Class of Licenses for the above NCA registration Categories
- iv) Valid Tax Compliance Certificate;
- v) Dully filled, Signed and Stamped Form of Tender;
- vi) Provision of a Tender Security, that is in the required format, approved institutions, amount (**Ksh. 700,000.00**) and that its valid for the period required;
- vii) Litigation History (Sworn Affidavit to be provided)
- viii) Dully filled, signed and stamped Confidential Business Questionnaire
- ix) Dully filled, signed and stamped Tender Questionnaire
- x) The Bid has been submitted in the format required by the procuring entity; All pages serialized.
- xi) Proof of payment for tender document if required;
- xii) Valid business permit
- xiii) Submit original and one copy of completed tender document.
- xiv) Certificate if Site Visit Signed by the Client's Representative.

Note:

The bid security shall be in accordance with clauses 13 and 23.2 of Instruction to Tenderers which states as follows:

- **Clause 13.1** of *Instruction to Tenderers*, "the tenderers shall furnish as part of his tenders a tender surety in the amount stated in the tender document in the Appendix to Instructions to Tenderers".
- **Clause 13.2** of *Instruction to Tenderers*, "the unconditional Tender surety shall be in Kenya shillings and be in form of a certified cheque, bank draft, an irrevocable letter of credit or a guarantee from a reputable Bank/ Insurance approved by PPOA located in the Republic of Kenya. The format of the surety shall be in accordance with the sample form included in the tender documents and the tender surety shall be valid for **150 days** from the date of tender opening".

- **Clause 23.2 of Instruction to Tenderers:** “For the purposes of this clause, a substantially responsive tender is one which conforms to all terms and condition and specifications of the tender document without material deviation or reservation and has a valid Bank/Insurance guarantee”.

The employer/procuring entity may seek further clarification/confirmation if necessary to confirm authenticity/compliance of any condition of the tender. Further, in case of a discrepancy between the amounts stated in the appendix to instruction to tenderers and the one stated in the advertisement or invitation letter, the bid security shall be taken as the amount in the advertisement/ letter of invitation.

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

STAGE 2: TECHNICAL EVALUATION

A) Assessment for eligibility

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 Standard 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

<u>PARAMETER</u>	<u>MAXIMUM POINTS</u>
(i) Works Programme -----	4
(ii) Key personnel -----	12
(iii) Contract Completed in the last Five (5) years -----	40
(iv) Schedules of on-going projects -----	5
(v) Schedules of contractors equipment -----	20
(vi) Audited Financial Report for the last 3 years -----	6
(vii) Evidence of Financial Resources -----	12
(viii) Name, Address and Telephone of Banks (Contractor to provide) --	1
TOTAL	<u>100</u>

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

TABLE 1: Assessment for Eligibility

Item	Description	Point Scored	Max. Point
i.	Works Programme (52 weeks) <ul style="list-style-type: none"> • Attached ----- 4 • Not Attached ----- 0 		4
ii.	Key Personnel (Attach evidence)		12
	Director of the firm <ul style="list-style-type: none"> • Holder of degree in relevant Engineering field ----- 4 • Holder of diploma in relevant Engineering field ----- 3 • Holder of certificate in relevant Engineering field----- 2 • Holder of trade test certificate in relevant Engineering field -----1 • No relevant certificate ----- 0 	4	
	At least 1No. degree/diploma holder of key personnel in relevant field <ul style="list-style-type: none"> • With over 10 years relevant experience ----- 4 • With over 5 years relevant experience----- 3 • With under 5 years relevant experience ----- 2 • No relevant certificate ----- 0 	4	
	At least 1No certificate holder of key personnel in relevant field <ul style="list-style-type: none"> • With over 10 years relevant experience----- 2 • With over 5 years relevant experience ----- 1 • With under 5 years relevant experience -----1 • No relevant certificate ----- 0 	2	
	At least 2No artisan (trade test certificate in relevant field) <ul style="list-style-type: none"> • Artisan with over 10 years relevant experience ----- 1 • Artisan with under 10 years relevant experience ----- 0.5 • Non skilled worker with over 10 years relevant experience ----- 0.5 • No relevant certificate ----- 0 	2	
iii.	Contract completed in the last Five (5) years (Max of 2No. Projects of 20 million Ksh. worth and above)- Provide Evidence <ul style="list-style-type: none"> • Project of similar nature, complexity or magnitude ----- 20 • Project of similar nature but of lower value than the one in consideration ----- 10 • No completed project of similar nature -----0 		40

iv.	On-going projects – Provide Evidence <ul style="list-style-type: none"> • No Project of similar nature, complexity and magnitude - ----- 5 • Three and below Projects of similar, nature complexity and magnitude -----3 • Four and above Projects of similar nature, complexity and magnitude ----- 0 			5
v.	Schedule of contractors equipment and transport (proof or evidence of ownership/Lease) – 2.5 marks each transport type) a) Relevant Transport (Pick up, Canter, Truck, Lorry) <ul style="list-style-type: none"> • Means of transport (Vehicle) ----- 10 • No means of transport ----- 0 		10	20
	b) Relevant Equipment (Excavators (1no), Trucks (2no) Grader 1 no.) 2.5 marks each equipment. <ul style="list-style-type: none"> • Has relevant equipment for work being tendered ----- 10 • No relevant equipment for work being tendered ----- 0 		10	
vi.	Financial report a) Audited financial report (last three (3) years; 2016-2018) – 1 mark per year attached) <ul style="list-style-type: none"> • Average Annual Turn-over equal to or greater than the cost of the project ----- 3 • Average Annual Turn-over above 50% but below 100% of the cost of the project ----- 2 • Average Annual Turn-over below 50% of the cost of the project ----- 1 • No audited Financial Statements attached----- 0 			6
vii.	b) Evidence of Financial Resources (cash in hand, lines of credit, over draft facility etc) <ul style="list-style-type: none"> • Has financial resources to finance the projected monthly cash flow* for three months -----12 • Has financial resources equal to the projected monthly cash flow*-----6 • Has financial resources less the projected monthly cash flow*-----3 • Has not indicated sources of financial resources ----- 0 			12
viii.	Bank Details <ul style="list-style-type: none"> • Attached -----1 • Not Attached----- 0 			1
	TOTAL			100

Any bidder who scores 75 points and above shall be considered for further evaluation

**Monthly Cash Flow = Tender Sum/Contract Period*

EC/5

B) Assessment of deviations

Pursuant to section 64 of the Act, a tender is deemed responsive if it conforms to all the mandatory requirements and it **does not contain major** deviations. Section 23.2 of the instruction to tenderers, defines major deviations as

- a) One that affects in a substantial way the scope, quality, completion timing, administration of works to be undertaken by the tenderer under the contract, inconsistent with the tender document; or
- b) Which limits in any substantial way the rights of the employer or the tenderers obligations; or
- c) Whose rectification would affect unfairly the competitive position of other tenderers presenting substantially responsive tenders.

Where the deviations are minor in the view of the tender evaluation committee, with the concurrence of the procuring entity representative, the committee shall quantify such deviations pursuant to section 64 (3) of the Act which requires that a minor deviation shall:

- a) Be quantified to the extent possible; and
- b) Be taken into account in the evaluation and comparison of tenders.

Where the deviation in the view of the tender committee with the concurrence of the procuring entity representative is major, the tender shall be deemed **non-responsive and will not be evaluated further**

TABLE 2: Assessment of Deviations

Item	Does the Deviation Substantively Affect the following:	YES	NO
1	Scope of the Works or Services to be delivered		
2	Quality of the Works or Services to be delivered		
3	Completion Timing		
4	Administration of the Works		
5	Consistency with the tender document		
6	Rights of the Employer in a negative manner		
7	Limit the Tenderer's Obligation		
8	Affect unfairly the competitive position of other tenderers		
COMMENT			

Any bidder who **OBTAINS A YES** in the above table shall be considered **NON RESPONSIVE** and shall not be evaluated further.

STAGE 3 : FINANCIAL EVALUATION

Upon completion of the technical evaluation a detailed financial evaluation shall follow. The financial evaluation shall proceed in the manner described in the Public Procurement and Asset Disposal Act (2015) of the laws of Kenya.

Determination of the Corrected Tender Sums;

- a) Comparison of Rates; and
- b) Consistency of the Rates.

A) Determination of the corrected tender sums

The Corrected Tender Sum for each bid shall be determined by-

- 1. *Taking the bid price, as read out at the bid opening;***
- 2. *Adjusting the tender sum by taking into account any corrections made relating to arithmetic errors;***

Arithmetic Errors will be corrected by the Procuring Entity as follows:

- i) If there is a discrepancy between unit prices and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected, unless in the opinion of the Procuring Entity there is an obvious misplacement of the decimal point in the unit price, in which the total price as quoted shall govern and the unit price shall be corrected;**
 - ii) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected;**
 - iii) Where there is a discrepancy between the amounts in figures and in words, the amount in words will govern; and**
 - iv) The committee shall promptly write to the tenderer and if the tenderer rejects the correction, the tender shall be rejected and the tender security shall be forfeited. If the tenderer accepts the correction, the error shall be considered in adjusting the tender sum.**
- 3. *Adjusting the tender sum by taking into account any quantified minor deviations (where applicable pursuant to Stage 2C of this evaluation criteria), which were documented, quantified and accepted by a procuring entity (as described in Stage 2 of the Technical evaluation of this criteria –Assessment of Deviations;)***
 - 4. Where applicable, *converting all tenders to the same currency*, using a uniform exchange rate prevailing at the date indicated in the tender documents;**
 - 5. *Adjusting the tender sum by applying any discounts offered* in the tender;**

6. Adjusting the tender sum by applying any margin of preference indicated in the tender documents

B) Comparison of rates-

Items that are under priced or overpriced may indicate potential for non-delivery and front loading respectively. The committee shall promptly write to the tenderer asking for detailed breakdown of costs for any of the quoted items, relationship between those prices, proposed construction/installation methods and schedules.

The evaluation committee shall evaluate the responses and make an appropriate recommendation to the procuring entity's tender committee giving necessary evidence. Such recommendations may include but not limited to:

- a) Recommend no adverse action to the tenderer after a convincing response;
- b) Employer requiring that the amount of the performance bond be raised at the expense of the successful tenderer to a level sufficient to protect the employer against potential financial losses;
- c) Recommend non-award based on the response provided and the available demonstrable evidence that the scope, quality, completion timing, administration of works to be undertaken by the tenderer, would adversely be affected or the rights of the employer or the tenderers obligations would be limited in a substantial way.

C) Consistency of the Rates

The evaluation committee will compare the consistency of rates for similar items and note all inconsistencies of the rates for similar items.

STAGE 4: RECOMMENDATION FOR AWARD

The successful bidder shall be the tenderer with the lowest evaluated tender price.

SPECIFICATION

001 GENERAL DESCRIPTION OF WORKS

1. The site for the proposed works is in **NYS RUARAKA approximately 10Km from Nairobi CBD**. The works involves **Upgrading of Sewer System and Associated Works**.

2. **PRICING OF ITEMS**

No prices will be inserted against items of particular preliminaries. The contractor shall be deemed to have included in his prices or rates of the various items in the Bills of Quantities or specifications for all costs involved in complying with all the requirements for the proper execution of the whole of the works in the contract.

3. **SCOPE OF THE WORKS**

These are given without warranty and for guidance only:-

- (i) Diameter 450mm UPVC piping with associated excavations & backfilling approximately = 270LM
- (ii) Diameter 300mm UPVC piping with associated excavations & backfilling approximately = 825LM
- (iii) Diameter 225mm UPVC piping with associated excavations & backfilling approximately = 60LM
- (iv) Diameter 200mm UPVC piping with associated excavations & backfilling approximately = 460LM
- (v) Construction of manholes & inspection chambers
- (vi) Connection to Nairobi Water & Sewerage Co. Existing Sewer

4. **DRAWINGS**

All drawings are deemed to be self-explanatory. However, where doubts exist, the contractor should liaise with the Engineer before proceeding with the works. The scales are as shown, and only figured dimensions are to be applied.

5. **SITE OFFICE**

The contractor shall be required to provide and maintain a site office for the DR and his team together with all standard furniture, fittings and telephone. The contractor shall be responsible for paying all connections, rent and call charges in connection therewith.

6. **LABOUR CAMP**

The contractor is not permitted to house labour on site. He will be responsible for the transportation of workmen to and from site at his own cost and risk.

002 MANAGEMENT OF THE CONTRACT

The Chief Engineer (Structural), MoTIHPW & UD will be responsible for the contract management and site supervision. All materials and workmanship will comply with the latest edition of MOPW General Specification of Civil Engineering works.

003 EXTENT OF CONTRACT AND ALTERATION OF DESIGN

1. The works specified under this contract shall include all general works preparatory to execution of all matters, things, requisites and work of any kind necessary for the due and satisfactory construction, completion and maintenance of the work to the intent and meaning of the drawings and this specification, and further drawings and orders, that may be issued by the Engineer from time to time, compliance by the contractor with all the General Conditions of Contract, whether specifically mentioned or not in the clause of this specification, all materials, apparatus, plant, machinery, tools, fuel, water, timbering and tackle of every description; transport, offices, stores, workshops, staff, labour, the provision of proper and sufficient protective works, temporary fencing, lighting and watching required for the safety of the public and protection of the works and adjoining lands, first aid equipment, sanitary, accommodation for the staff and workmen; the effecting and maintenance of all insurances, the payment of all wages, salaries, fees, royalties, duties or other charges arising out of the execution of the works and the regular clearance of rubbish, re-instatement and clearing and leaving perfect on completion. The Contract will be deemed to have included in his rates the cost of complying with the requirements of this specification and General Conditions of the Contract unless otherwise specified.
2. Should the Contractor have comments regarding soundness of the design of any part of the work, or should he consider that the execution of the design is impossible on any part of the Contract, the contractor is required to notify the Engineer in writing at the time of tender and provide factual evidence substantiating his opinion when required to do so by the Engineer.
3. Notices given by the contractor in respect of the above after the tender is submitted will not be considered as the basis of a claim for additional costs or extensions of the time.

The Engineer may require to alter the design of any part of the structure should site conditions warrant such a change, and the rates entered in the Bills of Quantities should be applicable for the similar items. The rates for the items of the work not covered by the Bill of Quantities shall be established by the Engineer.

PROGRAMME FOR EXECUTION OF THE WORKS

In accordance with the terms of clause 14 of the General Conditions of the Contract, the contractor shall submit to the Engineer within 28 days from the order to commence a fully detailed programme showing the order, procedure and method by which he proposes to carry out the construction and completion of the works.

The information to be supplied to the Engineer shall include drawings showing the general arrangement of the temporary offices and other temporary structures, which the Contractor proposes to use together with details of the construction plant and temporary works and all other devices, which he proposes to adopt for the construction and completion of the whole of the works and in addition details of the labour strength, skilled and unskilled and supervision arrangements.

The order in which it is proposed to execute the permanent works is subject to adjustment and approval by the Engineer and the Contract Price shall be held to include for any reasonable and necessary adjustment required by the Engineer during the course of the work.

The contractor will be deemed to have considered the effect of seasonal weather variations, when programming his operations. It must be clearly understood, that rains of up to 75mm per day will be deemed to be normal and expected. No claims by the contractor for extension of time due to rains of floods less than 75mm per day as measured by the Meteorological Department will be considered by the Engineer.

The contractor, when preparing his programme has to consider the time for the delivery of any imported material and the Engineer's normal working hours.

The Engineer's normal working hour shall be defined as 8 a.m. to 5 p.m. on week days with Saturdays and Sundays set aside for rest. If the contractor wishes to execute permanent works outside these hours, he shall obtain the written permission of the Engineer to make provision for supervision of such works.

The Contractor shall carry out the contract in accordance with the Programme agreed with the Engineer, but he shall in no manner be relieved by the Engineer's approval of the programme of his obligations to complete the works by the prescribed completion date, and he shall from time to time review his progress and make such amendments to his rate of execution of the works as may be necessary to fulfill his obligations.

If in the opinion of the Engineer the plant or the equipment used by the contractor for any specific item of the work does not fulfil the requirements of the specifications in respect of the workmanship quality and safety of structures, such items of plant and equipment shall be replaced with similar or equivalent items of plant or equipment to the satisfaction of the Engineer. No extra payment will be made in respect of such replacements.

005 TEMPORARY WORKS

After the contract is placed and before the work commences the contractor shall submit to the Engineer drawings showing the general arrangement of his offices, quarters, workshop etc. and other temporary works with diagrams and descriptions, showing how he proposes to execute such temporary works and how they fit into his programme for the permanent works, all to be subject to adjustment and approval by the Engineer.

The Contractor shall be fully responsible for the sufficiency, stability and safety of all temporary works and their care in accordance with the Conditions of Contract.

The contractor shall at his own expenses, supply in advance to the Engineer for his approval, detailed drawings and calculations of stability of such temporary works as the Engineer may direct, but no approval given or implied by the Engineer shall relieve the contractor of his responsibilities in connection with the temporary works.

Unless otherwise instructed, upon completion of the contract and after receiving approval in writing from the Engineer, the contractor shall take down and remove all structures forming part of his own camp and that of the Engineer, and shall arrange for the disconnection of water supply, remove all drains and culverts, backfill trenches, fill in all latrine pits, soakages and other sewage disposal excavations, with the exception of items and services to revert the ownership of the Employer, and shall restore the site as far as practicable to its original Condition and leave it neat and tidy to the satisfaction of the Engineer.

006 SITE PERSONNEL

The Engineer will require the contractor to submit a list of professional and subprofessional personnel to be employed on the site stating their qualifications and experience.

The contractor shall be responsible for ensuring, that all personnel of NonKenyan origin employed on site by himself or his Sub-contractors or who are otherwise connected with the construction contract through the Contractor must be approved and cleared individually in writing by the appropriate Government Official to work on the project. Where personnel are not approved, the contractor shall be responsible at his own expense for obtaining and employing suitable and approved personnel.

The Engineer reserves the right to determine suitability of the persons employed by the contractor and may request replacement at any time of any member of the team employed by the contractor, if in the opinion of the Engineer the presence of such a person is deleterious to the execution of the Contract. The engineer's decision is final and binding.

The Contractor shall keep constantly a literate English speaking Agent or Engineer as his representative on the site, competent and experienced in the type of works involved, who shall give his whole time to the supervision of the Contractor's operations.

The name of such Agent or Representative shall be submitted in writing to the Engineer for approval and he shall receive on behalf of the contractor all directions and instructions from the Engineer or his representative and such directions and instructions shall be deemed to have been given to the contractor in accordance with the Conditions of Contract.

007 NOTICE OF OPERATIONS

1. No important operations shall be carried out without the consent of the Engineer in writing, or without full and complete notice also in writing, being given to the Engineer by the contractor sufficiently in advance of the time of the operation as to enable the Engineer to make such arrangements as he may deem necessary for its inspection.
2. The contractor shall supply, from time to time, to the Engineer in writing, full information with respect of locations in which the work is being prepared.
3. The contractor shall give the Engineer not less than 24 hours' notice of his intentions to set out or give levels for any part of the works, in order that arrangements may be made for checking. Any bench marks, setting out pegs or other line or level markings installed or made by the Engineer shall be carefully preserved by the contractor. Working shall be suspended for such times as may be necessary for checking the lines and levels on any part of the work.

008 SETTING OUT

It will be the responsibility of the contractor to obtain before commencing work the value and location of the benchmarks to be used for the works from the Engineer. All temporary benchmarks will be referred hereto. The contractor shall construct such temporary benchmarks as the Engineer may direct and agree the level thereof with the Contractor. The establishment of such temporary bench marks will be deemed to be part of the contractor's responsibility in setting out the works and no additional payment will be allowed.

Should the contractor discover any error in the alignment or levels of the basic setting out, he shall at once notify the Engineer, who will then issue amended drawings or instructions regarding the correction of the error.

The contractor shall establish temporary benchmarks at less than 500m intervals and shall provide the Engineer with a schedule of their levels and location.

The Contractor shall allow in the bill of quantities for complying with the provisions of this clause and any abortive setting out occasioned by error in the alignment or levels of the Contractor's basic setting out.

009 INFORMATION FROM BORINGS AND PITS

When certain exploratory borings have been made by the Engineer on the site of the works and the results obtained are shown on the drawings, the contractor is warned, that this information is given without guarantee of correctness, and any conclusion which the contractor may draw from such information are entirely his own responsibility.

The contractor will satisfy himself by his own investigation and experience as to the strata and ground conditions actually occurring. He shall allow for such investigations in his rates and prices and arrange his method of working to take account of such strata and any natural or artificial variations which may occur. In this connection the Contractor's attention is drawn to his obligations with regard to the inspection and examination of the site as detailed in clause 11 of the Conditions of Contract.

The Engineer reserves the right to adjust foundation levels and other levels for construction below ground level, in the light of information, that becomes available as general excavation proceeds upon the site

011 HEALTH, SAFETY AND ACCIDENT

The contractor shall ensure, so far as is reasonably practicable, and to the satisfaction of the Engineer the health, safety and welfare at work of his employees including those of his Sub-Contractors and of all other persons on the site.

From the time any portion of the works is commenced, until the end of the maintenance period, the contractor shall be responsible for protecting the public from anything dangerous to persons or property and for the safe and easy passage of pedestrians and vehicular traffic.

The contractor shall designate one of his senior staff, who shall have specific knowledge of safety regulations and experience of safety precautions on similar works and who shall advise on all matters affecting the safety of workmen and on measures to be taken to promote safety in compliance with the factories act Cap.514, as a safety officer,

The contractor shall provide protective clothing and equipment, first aid stations with such personnel and equipment as are necessary. The appropriate information, instructions, training and supervision will be arranged by the contractor to ensure the safety and health of all the persons employed on the works, all in accordance with the laws of Kenya.

The contractor shall provide adequate waterborne sanitation and refuse collection and disposal complying with the laws of Kenya and all local bylaws, and to the satisfaction of the Engineer, for all houses, offices, workshops erected on site. Construction of pit latrines will not be permitted unless the Engineer has given his approval in writing. During the period of execution of the works the contractor shall ensure that no pollution of existing watercourses or of reservoir catchment areas is allowed to take place as a result of his operation.

012 PRIVATELY OWNED AND PUBLIC UTILITY SERVICES

The contractor shall make himself acquainted with the position of all existing works and services inter alia sewers, storm water drains, cables for electricity and telephone and lighting poles and water mains before any excavations commences.

The contractor will be held responsible for damage caused in the course of the execution of the works to such existing works and services and shall indemnify the Employer against any claims arising from such damage (including consequential damages). Any damage caused must be made good at the contractor's own expense.

Such existing works and services, where exposed by the execution of the works, must be properly shored, hung-up and supported to the satisfaction of the Engineer and of the Authority concerned. The contractor shall exercise special care, when refilling trenches or other excavations around such existing works or services.

Poles supporting cables etc. adjacent to the works will be kept securely in place, until the work is completed and will then be made as safe and permanent as before.

Notwithstanding the foregoing requirements and without lessening the Contractors responsibility, the contractor shall inform the Engineer immediately when existing works have been exposed and conform to any requirements of the Authority concerned and not the Engineer.

6. Any damage to or interference with existing services occasioned during the progress of the works, will be deemed to be the responsibility of the contractor, who shall undertake to make good at his own expense any damage so caused to the existing underground services or other features, and shall be liable in respect of all claims arising from such damage or interference, however occasioned.
7. Only when, and as directed by the Engineer the position of an existing work or service can be changed by the contractor to meet the requirements of the proposed work. The cost of such work will be paid for on a daywork basis, except where a specific item has been provided in the bills of quantities.

013 EXISTING ROADS AND ACCESSES

1. The contractor shall comply with all requirements of the Employer, owners or the competent Authority concerning the use of tracked equipment or other construction plant on any public or private road.
2. The cost of providing all diversions, signs, operators, flagmen and all reinstatement to the approval of the Engineer will be deemed to be included into rates entered in the bills of quantities, as will the cost of any road opening permit.

3. Before excavating across any public road, the contractor shall give 10 days' notice in writing to the Engineer and the Local Authority or the Ministry of Roads and Public Works his intention to excavate. He shall satisfy the Engineer, the Local Authority or the Ministry of Roads and Public Works, Roads Department and the Police as to the precautions he proposes to take and the signs and lights to be provided and operated. On any road or track at least 4 red lights shall be suitably placed on either side of the trench and diversions shall be clearly marked, signed and maintained.
4. The contractor shall further give to the Engineer a 24 hours' notice before excavating across a private road. Existing access to lands, property and all other things will be maintained by the contractor during the continuance of the works to the Engineer's satisfaction. The cost of such maintenance will be deemed to be covered by and included in the rates entered onto the bills of quantities.
5. When a road, used by the contractor for transporting labour or construction plant or for delivery of any material for the works is closed under section 71 of the traffic ordinance 1962, or amendments thereto, the contractor shall obey such closure and shall use alternative roads.

014 COMPLIANCE WITH STATUTES AND REGULATIONS

In addition to the requirements of clause 26 of the General Conditions of Contract, the contractor shall be responsible for acquainting himself with all current valid statute ordinances or by-laws or building regulations, which may affect the works and shall include in his rates for all costs arising from compliance with the same. This applies in particular to the training levy and similar taxes for which no claims on the part of the contract will be entertained.

The contractor shall also keep in close touch with Police and other Government officials of the area regarding their requirements, in the control of traffic or other matters, and shall provide all assistance or facilities, which may be required by such officials in the execution of their duties.

The contractor's attention is drawn to legal notice No.237 of October, 1971, which requires payment by the Contractor for Training Levy at the rate of 0.25% of the contract sum on all contracts of more than Kshs.50,000.00 – in value and his tender must include for all costs arising or resulting thereof. The training levy shall be paid by the contractor without delay. The original receipt shall be given to the Engineer for verification. No payment certificate will be certified by the Engineer, until the contractor complies with the above legal notice.

015 PROTECTION FROM WATER

Except as otherwise specified, the contractor shall be responsible for dealing with water, whether from existing drainage systems, water courses, underground springs, precipitation or any other source or cause. In discharging and diverting water, he shall avoid flooding or damaging other works or services, causing erosion and/or polluting water courses.

The contractor shall keep the whole of the works free from water and shall provide all dams, cofferdams, pumping, piling, shoring, temporary drains, sumps etc. necessary for this purpose.

SP/8

Well in advance of commencing the permanent works, the contractor shall at his own expense cut drains and ditches and carry out any other measures necessary to effectively drain the

original ground and/or shall so programme his works, that the necessity of temporarily draining the original ground is partially or totally obviated by working in the dry season.

The contractor shall at his own expense take all necessary precautions to prevent damage due to erosion and siltation during construction. Precautions will include temporary drainage berms, scour, checks, riprap and the like. Spoil or stockpile material shall be dumped in such a way that it does not interfere with streams, watercourses or any of the drainage works.

Any damage to the works or to adjacent properties resulting from the Contractor's failure to take the necessary precautions shall be made good at the Contractor's expense.

016 WATER SUPPLY

The Contractor shall provide clean and sufficient supply of fresh water both for construction of the works and for all offices and workshops etc, including the arrangements, pipelines, meters etc, for connecting to local water mains, the provision of storage tanks or water conveyance where necessary, payment of all fees and water charges.

The water shall be reasonably clear of suspended solids and free from any matter in quantities considered by the Engineer to be deleterious to the proposed work. Water supplied to the Engineer's offices, laboratories, etc, shall be drinkable to the satisfaction of the Medical Officer in the area.

No separate payment shall be made for the provision of water or its attendant facilities and the contractor shall allow for all these in his tender rates.

In the event that a water main is not available on or near the site, or that any available mains will not have sufficient capacity to provide water adequate for works, then the Contractor shall provide temporary tanks or other means of collecting and distributing water on the site.

017 LIGHT, POWER AND TELEPHONE

1. The contractor shall make his own arrangements for the supply of light, power and telephone required for the construction of the works and shall pay all fees and charges in connection therewith.
2. The contractor shall arrange with the appropriate authority for a temporary meter and supply of electricity and provide all temporary wiring, power and lighting points as he may consider necessary. In the event of no fixed electricity supply being available, the contractor shall provide the necessary power generating plant at his own expense.

018 WORKING AREA

1. The Contractor shall restrict his operations to those areas made available to him by the Engineer and shall at all times provide and maintain an adequate access for the Employer's employees and vehicles to carry out their normal duties in and around the existing works.

2. The Contractor shall, before entering upon any land purchased, rented, or for the use, of which compensation has been paid, ensure that all formalities have been completed and the agreement of the Owner, Tenant and the Engineer has been obtained.
3. The contractor shall not enter or occupy land outside the lands provided above without the written permission of the owner or competent authority. The Contractor shall make necessary arrangements and bear all costs involved in acquiring any additional land needed for his operations.

019 CO-ORDINATION OF THE WORKS

1. The Employer reserves the right to execute works on the site which are not included in the Contract. He will employ for this purpose either his own employees or another Contractor. The contractor shall ensure that neither his own operations nor trespass by his employees will interfere with the operations of the Employer or his contractor employed on such works.
2. The contractor will be required to carefully co-ordinate his activities and work, both on and off site, with the activities and work of the other contractors, sub-contractors, statutory undertakings and all supervisory staff for the works appointed by the Employer. He shall allow all the works to proceed without undue hindrance and will co-operate to expedite execution of the works.
3. If any dispute or difference of any kind whatsoever shall arise between the contractor or statutory undertakings regarding the phasing, progress or execution of the works, then the Engineer shall have full power to direct in what order the works, or any portion thereof shall be commenced, carried on or completed and he may from time to time require the whole or any portion of the works to be discontinued or the execution thereof postponed for such a period as he may think fit.
4. The contractor shall respect any works executed by others and articles and supplied or installed by others and will be held responsible for any loss or damage thereto, if caused by him or his sub-contractors.

020 COPIES OF ORDERS AND TEST CERTIFICATES OF MATERIALS

1. Before entering into any sub-contract for the supply of any material or article, the contractor shall obtain the Engineer's approval in writing of the sub-contractor from whom he proposes to obtain such materials or goods. Should the Engineer at any time be dissatisfied with such materials or goods or with the method of operations carried out at such sub-contractor's works or place of business, he shall be empowered to control his previous given approval of such sub-contract and shall specify any other supplier, whom he may choose, or shall approve another sub-contractor for the supply of such materials or goods.
2. The Contractor shall then obtain such said materials or goods from such other supplier and shall bear any additional cost thereof together with the costs and consequences of replacing any unsatisfactory materials already incorporated in the works.
3. The Contractor shall deposit with the Engineer samples of such materials and manufactured articles including the manufacturer's specification, when and where appropriate.

4. When instructed by the Engineer, the contractor shall submit test-certificates from the suppliers of the materials and goods to be used for the contract to the Engineer. Such certificates shall certify that the materials or goods concerned have been tested in accordance with the requirements of the specifications and shall give the results of all tests carried out. The contractor shall provide adequate means of identifying the materials and goods delivered to the site with the corresponding certificates.
5. The Contractor shall provide the Engineer with copies of all orders for the supply of materials and goods required in connection with the works as the Engineer may require.
6. All materials and manufactured articles shall be stored on site in a manner acceptable to the Engineer. The contractor shall carefully protect from weather vermin all works, materials and manufactured articles, which may be affected.

021 PROGRESS, PHOTOGRAPHS AND RECORD DRAWINGS

Colour negatives showing the progress of the works shall be taken every month by the Contractor from the positions to be selected by the Engineer. The contractor shall supply proof prints of each negative, from which the Engineer shall select negatives. The contractor shall produce 2 sets of those selected photographs, Each set shall comprise of 2 numbers, 200 x 150mm colour prints, which shall be handed over to the Engineer together with all the negatives. Each photograph shall be marked with the number of the negative and a statement shall be submitted giving the location and date when taken and a brief description or title.

The photographs shall be mounted on A4 loose leaf sheets, minimum 200g, with transparent plastic sheets.

After the work has been completed, the contractor shall furnish 'as built' drawings, showing the works as constructed together with all other information that may either be required or be useful for the operation and maintenance of the works in the future, such as alignment and depth of cover of pipelines, type of soil, rock levels, type dimensions and location of structures, size of pipelines and cables encountered during excavation.

All drawings shall be A 1 in size to the ink border and drawn on a perm trace paper.

022 SURVEY EQUIPMENT FOR THE ENGINEER

The contractor will make available the following survey equipment for use by the Engineer and the contractor for the duration of the contract. The survey equipment will be provided in proper adjustment and good working order.

- 1 No. wild Nk2 theodolite or equivalent with tripod.
- 1 No. 50m metric steel tape.
- 1 No. 30 metric linen or plastic tape.
- 1 No. 3 m metric steel tape.
- 5 No. ranging rods.
- 1 No. Engineer's automatic level, Wild NA2 or equivalent with tripod. 1No.
Metric levelling staff

A supply of wooden pegs, steel survey pins, hammer and other such surveying accessories.

The contractor will maintain the equipment and replace items as necessary all to the satisfaction of the Engineer and for the entire duration of the contract.

The equipment will be deemed to be the property of the Employer during the Contract and will revert to the contractor at the end of the contract.

PREAMBLES AND PRICING NOTES

PREAMBLES AND PRICING NOTES

A. GENERALLY

All work to be carried out in accordance with the Ministry of Roads, Public Works and Housing General Specifications for Building Works issued in 1976 or as qualified or amended.

B. MANUFACTURERS' NAMES

Where manufacturers' names and catalogue references are given for guidance to quality and standard only, alternative manufacturer of equal quality will be accepted at the discretion of the Project Manager.

C. WALLING

All precast concrete blocks shall be manufactured by the methods and to the sizes specified in the Ministry of Roads, Public Works and Housing "Specification for Metric Sized Concrete Blocks for Building (1972)"

Walling of 100 mm thickness or under shall be reinforced with hoop iron every alternate course.

Prices for walling must allow for all costs in preparing, packing and sending sample blocks for testing as and when required by the Project Manager.

D. CARPENTRY

The grading rules for cypress shall be the same as for podocarpus and all timber used for structural work shall be select (second grade).

All structural timber must conform to the minimum requirements for moisture content and preservative treatment and timber prices must allow for preparing, packing and sending samples for testing when required.

Prices must also include for all nails and fasteners.

A. JOINERY

Cypress for joinery shall be second grade in accordance with the latest grading rules of the Kenya Government.

Where Mahogany is specified, this refers to prime grade only. The Contractor may with the approval of the Project Manager, use either Msharagi or Mvuli in lieu of Mahogany but such approval will be given only in the case of shortages of the hardwoods specified.

Plugging shall be carried out by drilling walling or concrete with masonry drill and filling with propriety plugs of the correct sizes. Cutting with hammer and chisel will not be allowed.

Prices for joinery must include for pencil rounded arises, protection against damage, nails, screws, framing and bedding in cement mortar as required.

Sizes given for joinery items are nominal sizes and exact dimensions of doors, etc, must be ascertained on site.

B. IRONMONGERY

Ironmongery shall be as specified in the Bills of Quantities or equal and approved.

Prices must include for removing and re-fixing during and after painting, labeling all keys, and for fixing to hardwood, softwood, concrete or blockwork.

Catalogue references given for ironmongery are for purposes of indicating quality and size of item(s). Should the Contractor wish to substitute the specified item(s) with others of equal quality, he must inform the Project Manager and obtain approval in writing.

C. STRUCTURAL STEELWORK

All structural steelwork shall comply with the Ministry of Public Works "Structural Steelwork Specification (1973) and shall be executed by an approved Sub-contractor.

A. PLASTERWORK AND OTHER FINISHES

All finishings shall be as described in the general specifications and in these Bills of Quantities.

Prices for pavings are to include for brushing concrete clean, wetting and coating with cement and sand grout 1:1.

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.

B. GLAZING

Where polished plate glass is specified, this refers to general glazing quality.

Prices for glazing shall include for priming of rebates before placing putty.

The Contractor will be responsible for replacing any broken or scratched glass and handing over in perfect condition.

C. PAINTING

All paint shall be 1st quality "Crown" or other equal and approved

Painting shall be applied in accordance with the manufacturers' instructions.

Prices for painting are to include for scaffolding, preparatory work, priming coats, protection of other works and for cleaning up on completion. Prices for painting on galvanized metal are to include for mordant solution as necessary.

SECTION VII - BILL OF QUANTITIES

All quantities are measured in accordance to the Standard Method of Measurement of Building and Associated Civil Works for Eastern Africa (2008 Edition)

PARTICULAR PRELIMINARIES		
ITEM	DESCRIPTION	AMOUNT (Kshs.)
	PRICING ITEMS OF PRELIMINARIES	
A	Prices SHALL BE INSERTED against items of "preliminaries" in the tenderer's priced Bills of Quantities. Where no price is inserted the Contractor shall be deemed to have included in his prices or rates for the various items in the Bills of Quantities or Specification for all such costs involved in complying with all the requirements for the proper execution of the whole of the works in the Contract. The contractor is	
B	The "Employer" is the DIRECTOR GENERAL, NATIONAL YOUTH SERVICE defined above whose address unless otherwise notified is P. O. Box 30397-00100, NAIROBI . The term "Employer" and "Government" wherever used in the contract document shall be synonymous	
C	PROJECT MANAGER The term "P.M." wherever used in these Bills of Quantities shall be deemed to imply the Project Manager as defined in Condition 1.1 of the Conditions of Contract or such person or persons as may be duly authorised to represent him on behalf of the Government.	
D	ARCHITECT The term "Engineer" shall be deemed to mean "The Project Manager." as defined above whose address unless otherwise notified is State Department of Public Works, P. O. Box 30743, NAIROBI .	
E	QUANTITY SURVEYOR The term "Quantity Surveyor" shall be deemed to mean "The Project Manager." as defined above whose address unless otherwise notified is State Department of Public Works, P. O. Box 30743, NAIROBI .	
	Carried to Collection PP/10	

PARTICULAR PRELIMINARIES

ITEM	DESCRIPTION	AMOUNT (Kshs.)
<p>A</p>	<p>ELECTRICAL ENGINEER</p> <p>The term "Electrical Engineer" shall be deemed to mean "The Project Manager." as defined above whose address unless otherwise notified is State Department of Public Works, P. O. Box 30743, NAIROBI.</p>	
<p>B</p>	<p>MECHANICAL ENGINEER</p> <p>The term "Mechanical Engineer" shall be deemed to mean "The Project Manager." as defined above whose address unless otherwise notified is State Department of Public Works, P. O. Box 30743, NAIROBI.</p>	
<p>C</p>	<p>CIVIL/ STRUCTURAL ENGINEER</p> <p>The term "Civil/Structural Engineer" shall be deemed to mean "The Project Manager." as defined above whose address unless otherwise notified is State Department of Public Works, P. O. Box 30743, NAIROBI.</p>	
<p>D</p>	<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 Building Works(2006 Edition) included herein The Conditions of Contract are also included herein Conditions of Contract These are numbered from 1 to 37 as set out in pages 20 to 41 of these tender documents. 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>	
	<p>Carried to Collection PP/10</p>	

PARTICULAR PRELIMINARIES

ITEM	DESCRIPTION	AMOUNT (Kshs.)
	<p>DESCRIPTION OF THE WORKS</p> <p>A The works generally include : Upgrading of Sewer System and Associated works with it.</p> <p>BOND The Contractor shall find and submit on the Form of Tender an Approved Bank or Insurance Company and who will be willing to be bound to 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>MEASUREMENTS 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>C</p>	
	Carried to Collection PP/10	

PARTICULAR PRELIMINARIES

ITEM	DESCRIPTION	AMOUNT (Kshs.)
<p>A</p> <p>LOCATION OF SITE</p> <p>The site is located at NYS RUARAKA, NAIROBI COUNTY APPROXIMATELY 10 KM FROM CITY CENTRE. 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>B</p> <p>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. 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>C</p> <p>CLAIMS</p> <p>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 claim or intent to claim notice to the PROJECT MANAGER within the contract period. No claims shall be entertained upon the expiry of the said contract period.</p> <p>D</p> <p>PAYMENTS</p> <p>The tenderer’s attention is drawn to the fact that THE GOVERNMENT SHALL NOT MAKE ADVANCE PAYMENTS</p>		
	<p>Carried to Collection PP/10</p>	

PARTICULAR PRELIMINARIES

ITEM	DESCRIPTION	AMOUNT (Kshs.)
<p>A</p> <p>B</p> <p>C</p> <p>D</p> <p>E</p>	<p>PREVENTION OF ACCIDENT, DAMAGE OR LOSS 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 instructed to take reasonable care in the execution of the works as to prevent accidents, damage or loss and disruption of normal activities being carried out by the Client. The Contractor shall allow in his rates any expense he deems necessary by taking such care within the site.</p> <p>BID SECURITY The contractor shall provide a bid security duly signed, sealed and stamped from an approved Institution in an approved format of required amount.</p> <p>WORKING CONDITIONS The Contractor shall allow in his rates for any interference that he may encounter in the course of execution 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 facility will be operating as usual during the course of the contract.</p> <p>SIGNBOARD 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>LABOUR CAMPS 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>Carried to Collection PP/10</p>	

PARTICULAR PRELIMINARIES

ITEM	DESCRIPTION	AMOUNT (Kshs.)
	<p>MATERIALS FROM DEMOLITIONS</p> <p>A Any materials arising from demolitions and not re-used shall become the property of the government. The Contractor shall allow in his rates the cost of transporting the demolished materials to an approved dumping site by the County Government of Nairobi. PRICING RATES</p> <p>PRICING RATES</p> <p>B 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> <p>URGENCY OF THE WORKS</p> <p>C The Contractor is notified that these “works are urgent” and should be completed within the period stated in these Particular Preliminaries. The Contractor shall allow in his rates for any costs he deems that he/she may incur by having to complete the works within the stipulated contract period.</p> <p>PAYMENT FOR MATERIALS ON SITE</p> <p>D 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> <p>EXISTING SERVICES</p> <p>E 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 concerned for the support, maintenance and protection of such services.</p>	
	<p>Carried to Collection PP/10</p>	

PARTICULAR PRELIMINARIES

ITEM	DESCRIPTION	AMOUNT (Kshs.)
	<p>TENDER DOCUMENTS</p> <p>A Tender documents are as listed in Clause 2.1 of the Instruction to Tenderer's Page STD/7</p> <p>DELIVERY OF TENDER</p> <p>B 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 the advertisement.</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> <p>VALUE ADDED TAX</p> <p>C 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.</p>	
	Carried to collection PP/10	

PARTICULAR PRELIMINARIES

TEM	DESCRIPTION	AMOUNT (Kshs.)
	<p>IN APPENDIX TO CONTRACT AGREEMENT</p> <p>A The following are the insertions to be made in the appendix to the Contract Agreement</p> <p>B Period of Final Measurement</p> <p>C Defects Liability Period</p> <p>D Date for Possession</p> <p>E Date for Completion</p> <p>F Liquidated and Ascertained Damages</p> <p>G Period of Interim Payment Certificates</p> <p>H Period of Honouring Certificates</p> <p>J Percentage of Certified Value Retained</p> <p>K Limit of Retention Fund</p>	<p>3 months after Practical Completion</p> <p>6 months after Practical Completion</p> <p>To be agreed with the Project Manager</p> <p>52 weeks from date of possession</p> <p>At the rate of Kshs. 20,000.00 per week or part thereof</p> <p>Monthly</p> <p>30 Days</p> <p>10%</p> <p>10%</p>
	<p>Carried to Collection PP/10</p>	

PARTICULAR PRELIMINARIES

ITEM	DESCRIPTION	AMOUNT (Kshs.)
	<u>PROTECT MANAGEMENT EXPENSES</u>	
A	Allow a Provisional Sum of Kshs 1,000,000 for the Supervision of works & Transport by the Engineer and staff.	1,000,000.00
B	Allow a percentage sum for the contractors administrative costs and profits for the above%.	
C	Allow a Provisional Sum of Kshs. 150,000.00 for the for Project Management Team Airtime for the duration of the contract.	150,000.00
D	Allow a percentage sum for the Contractors Administrative Costs and profits for the above%.	
E	Allow a provisional Sum of Kshs 500,000.00 only for supply and delivery of the Project Managers Stationery and Equipment.	500,000.00
F	Allow a percentage sum for the contractors administrative costs and profits for the above%.	
	Carried to Collection PP/10	

PARTICULAR PRELIMINARIES

ITEM	DESCRIPTION	AMOUNT (Kshs.)
	COLLECTION	
1	Brought forward from page PP/1	
2	Brought forward from page PP/2	
3	Brought forward from page PP/3	
4	Brought forward from page PP/4	
5	Brought forward from page PP/5	
6	Brought forward from page PP/6	
7	Brought forward from page PP/7	
8	Brought forward from page PP/8	
9	Brought forward from page PP/9	
	PARTICULAR PRELIMINARIES CARRIED TO GRAND SUMMARY	

ITEM	DESCRIPTION	KSHS
<p data-bbox="305 373 329 405">A.</p> <p data-bbox="293 688 318 720">B.</p>	<p data-bbox="634 331 972 363" style="text-align: center;">GENERAL PRELIMINARIES</p> <p data-bbox="383 384 1101 415">PRICING OF ITEMS OF PRELIMINARIES AND PREAMBLES</p> <p data-bbox="383 447 1157 510">Prices will be inserted against items of Preliminaries in the Contractor's priced Bills of Quantities and Specification.</p> <p data-bbox="383 541 1198 667">The Contractor shall be deemed to have included in his prices or rates for the various items in the Bills of Quantities or Specification for all costs involved in complying with all the requirements for the proper execution of the whole of the works in the Contract.</p> <p data-bbox="383 688 597 720">ABBREVIATIONS</p> <p data-bbox="383 751 1206 814">Throughout these Bills, units of measurement and terms are abbreviated and shall be interpreted as follows:-</p> <p data-bbox="383 877 857 909">C.M. Shall mean cubic metre</p> <p data-bbox="383 940 862 972">S.M. Shall mean square metre</p> <p data-bbox="383 1003 857 1035">L.M. Shall mean linear metre</p> <p data-bbox="383 1066 849 1098">MM Shall mean Millimetre</p> <p data-bbox="383 1129 867 1161">KG. Shall mean Kilogramme</p> <p data-bbox="383 1192 821 1224">NO. Shall mean Number</p> <p data-bbox="383 1255 768 1287">Prs. Shall mean Pairs</p> <p data-bbox="383 1339 1206 1402">B.S. Shall mean the British Standard Specification Published by the British Standards Institution, 2 Park Street, London W.I., England.</p> <p data-bbox="383 1465 1222 1528">Ditto Shall mean the whole of the preceding description except as qualified in the description in which it occurs.</p> <p data-bbox="383 1570 922 1602">m.s. Shall mean measured separately.</p> <p data-bbox="383 1633 914 1665">a.b.d Shall mean as before described.</p>	
	Carried to collection	

ITEM	DESCRIPTION	KSHS
<p>A.</p>	<p>EXCEPTION TO THE STANDARD METHOD OF MEASUREMENT</p> <p>Attendance ; 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>Fix Only:-</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>PLANT, TOOLS AND VEHICLES</p> <p>Allow for providing all scaffolding, plant, tools and vehicles required for the workexcept 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>Carried to collection</p>	

ITEM	DESCRIPTION	KSHS
<p>A</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>B</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 order materials to be obtained from local sources as early as necessary to ensure that 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>C</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>D</p> <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>		
	<p>Carried to collection</p>	

ITEM	DESCRIPTION	KSHS
<p>A.</p>	<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>	
<p>B.</p>	<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. 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 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.</p> <p>No claim in respect of want of knowledge in this connection will be entertained.</p>	
<p>C.</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>Carried to collection</p>	

ITEM	DESCRIPTION	KSHS
A.	<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>	
B.	<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>	
C.	<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>	
D.	<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</p>	
E.	<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>	
	Carried to collection	

ITEM	DESCRIPTION	KSHS
<p>A.</p> <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 type noted in the Particular Preliminaries, 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> <p>WATER AND ELECTRICITY SUPPLY FOR THE WORKS</p> <p>B.</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> <p>SANITATION OF THE WORKS</p> <p>C.</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> <p>SUPERVISION AND WORKING HOURS</p> <p>D.</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>		
Carried to collection		



ITEM	DESCRIPTION	KSHS
A	PROVISIONAL SUMS.	
	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. Such sums are net and no addition shall be made to them for profit.	
B	PRIME COST (OR P.C.) SUMS.	
	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.	
C	PROGRESS CHART.	
	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.	
D	ADJUSTMENT OF P.C. SUMS.	
	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" (as previously described) following P.C. Sums shall be adjusted pro-rata to the physical extent of the work executed (not pro-rata to the amount paid) and this shall apply even though the Contractor's priced Bill shows a percentage in the rate column in respect of them. 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.	

	Carried to Collection	
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ITEM	DESCRIPTION	KSHS
A.	<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 , 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>	
B.	<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 and shall thereafter be responsible for such sub-contractors in every respect. Unless otherwise described the Contractor is to provide for such SubContractors 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>	
C.	<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 in the priced Bills of Quantities will be adjusted as described for P.C. Sums is allowed.</p>	
D.	<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>	
	Carried to collection	

ITEM	DESCRIPTION	KSHS
A	<p>INSURANCE</p> <p>The Contractor shall insure as required in Conditions No. 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>	
B	<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>	
C	<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>	
D	<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>	
	Carried to collection	

ITEM	DESCRIPTION	KSHS
A.	<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>	
B.	<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>	
C.	<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>	
D.	<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 PROJECT MANAGER</p>	
E	<p>NCA LEVY</p> <p>The Contractor's attention is drawn to National Construction Authority Act Clause 31 which requires payment by the contractor of a NCA Levy at the rate of 0.5 % of the Contract sum on all contracts of more than Kshs. 5,000,000.00 in value.</p>	
	Carried to collection	

ITEM	DESCRIPTION	KSHS
<p>A.</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 and 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>B.</p> <p>TRAINING LEVY</p> <p>The Contractor's attention is drawn to National Construction Authority Act Clause 31 which requires payment by the contractor of a Training Levy at the rate of 0.5 % of the Contract sum on all contracts of more than Kshs. 5000,000.00 in value.</p> <p>C.</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>D.</p> <p>HOARDING</p> <p>The Contractor shall enclose the site or part of the works under construction with a hoarding 2400 mm high consisting of iron sheets on 100 x 50 mm timber posts firmly secured at 1800 mm centres with two 75 x 50 mm timber rails approximately three hundred and fifty metres. 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> <p>E.</p> <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>		
	<p>Carried to Collection</p>	

ITEM	DESCRIPTION	KSHS
	<p style="text-align: center;"><u>COLLECTION</u></p> <p style="text-align: center;">Brought Forward From Page GP/1</p> <p style="text-align: center;">Brought Forward From Page GP/2</p> <p style="text-align: center;">Brought Forward From Page GP/3</p> <p style="text-align: center;">Brought Forward From Page GP/4</p> <p style="text-align: center;">Brought Forward From Page GP/5</p> <p style="text-align: center;">Brought Forward From Page GP/6</p> <p style="text-align: center;">Brought Forward From Page GP/7</p> <p style="text-align: center;">Brought Forward From Page GP/8</p> <p style="text-align: center;">Brought Forward From Page GP/9</p> <p style="text-align: center;">Brought Forward From Page GP/10</p> <p style="text-align: center;">Brought Forward From Page GP/11</p>	
	TOTAL FOR GENERAL PRELIMINARIES CARRIED TO GRAND SUMMARY	

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**PROPOSED REHABILITATION & UPGRADING OF SEWER LINE AT NYS HEADQUARTERS
 RUARAKA CIVIL ENGINEERING WORKS
 BILL NO. 1 SEWERAGE WORKS.**

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					SHS	CTS
	<u>LINE A</u>					
	<u>EXCAVATIONS</u>					
A	Excavate trench for diameter 200mm dia. sewer pipe starting from ground level not exceeding 1.5m deep backfill after laying pipe and dispose excess materials as directed by the Engineer average depth 1.0m	CM	150			
B	Ditto but average depth 1.5m	CM	75			
C	Ditto but average depth 2.0m	CM	75			
D	Ditto but average depth 3.0m	CM	150			
E	Ditto but average depth 4.0m	CM	150			
F	Ditto but average depth 4.5m	CM	75			
G	Extra over excavation for excavation in rock class 1	CM	473			
H	Excavate trench for diameter 300mm dia. sewer pipe starting from ground level not exceeding 1.5m deep backfill after laying pipe and dispose excess materials as directed by the Engineer average depth 1.0m	CM	414			
J	Ditto but average depth 1.5m	CM	207			
K	Ditto but average depth 2.0m	CM	207			
L	Ditto but average depth 3.0m	CM	414			
M	Ditto but average depth 4.0m	CM	414			
N	Ditto but average depth 4.5m	CM	207			
P	Extra over excavation for excavation in rock class 1	CM	1325			
Q	Excavate in tarmac across the road include removal of handpack materials and sub-base and cart away as directed	LM	50			
	TOTAL CARRIED TO COLLECTION PAGE CIV 4					

**PROPOSED REHABILITATION & UPGRADING OF SEWER LINE AT NYS HEADQUARTERS
RUARAKA CIVIL ENGINEERING WORKS
BILL NO. 1 SEWERAGE WORKS.**

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					SHS	CTS
A	Excavate in pre cast concrete paving blocks include removal of handpack materials and subbase and cart away as directed	LM	90			
B	Allow for breaking into the existing boundary walls along the sewer line and making good to the original condition		ITEM			
C	Allow fo plunking and strutting to all excavations during construction		ITEM			
D	Allow for keeping all excavations free from general waters		ITEM			
E	Allow for disinfection and removal of spilled sewer, and pipe along the new line during construction to the satisfaction of the Engineer		ITEM			
<u>PIPE LAYING</u>						
F	Provide lay and joint in trench dia 200mm Upvc golden brown class 41Upvc pipe in flexible rubber ring joints	LM	135			
G	Provide lay and joint in trench dia 300mm Upvc golden brown class 41Upvc pipe in flexible rubber ring joints	LM	345			
H	Provide lay & compact 100mm thick approved compacted murrum bed to sewer line	LM	576			
J	Provide lay and compact conc. (1:3:6) haunching to pipe include all necessary formwork	SM	38			
<u>MANHOLES</u>						
K	Excavate pit for specified standard manhole depth not exceeding 4.5m av. Depth 3.5m	CM	266			
L	Extra over excavation for excavation in rock class 1	CM	190			
M	Allow fo plunking and strutting to all excavations during construction		ITEM			
N	Allow for keeping all excavations free from general waters		ITEM			
TOTAL CARRIED TO COLLECTION PAGE CIV 4						

**PROPOSED REHABILITATION & UPGRADING OF SEWER LINE AT NYS HEADQUARTERS
RUARAKA CIVIL ENGINEERING WORKS
BILL NO. 1 SEWERAGE WORKS.**

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					SHS	CTS
A	Provide material and construct manhole type A to detail (50)5314	NO	5			
B	Ditto but manhole type 'B' to detail (50)5315	NO	17			
C	Provide and fix heavy duty triangular manhole cover and frames include greasing the covers in clean sand	NO	22			
D	Provide and fix bitumen coated step irons in manholes at 300mm c/c. All to detail 50(5309)	NO	320			
E	Allow for connecting the new sewer at different points as instructed by the Engineer		ITEM			
F	Allow for testing of the entire drainage system after completion to leave it in sound working order to the satisfaction of the Engineer.		ITEM			
G	Restore the cut tarmac sections to its original condition as directed by the Engineer	LM	50			
H	Restore the cut pre cast concrete paving block section to its original condition as directed by the Engineer	LM	90			
J	Dislodge the existing sewer line and cart away the arising to NCC dumpsite as directed by the Engineer	LM	480			
K	Disinfect and clean the old sewer system with approved disinfectant as directed by the Engineer	LM	480			
L	Excavate to remove the old sewer line and cart away as directed by the Engineer	LM	480			
M	Demolish manhole pits along the old sewer system and cart away as directed by the Engineer	NO	22			
N	Provide fill and compact approved murrum materials in layers not exceeding 300mm well watered and rolled to Engineer's satisfaction to fill the old sewer system	CM	2,016			
	TOTAL CARRIED TO COLLECTION PAGE CIV 4					

**PROPOSED REHABILITATION & UPGRADING OF SEWER LINE AT NYS HEADQUARTERS
 RUARAKA CIVIL ENGINEERING WORKS
 BILL NO. 1 SEWERAGE WORKS.**

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					SHS	CTS
A	Allow for re-routing of existing services along the new line i.e water pipes, telecommunications e.t.c		ITEM			
B	Allow for control of traffic during construction of sewer on cut section of the road		ITEM			
TOTAL CARRIED TO COLLECTION BELOW						
<u>COLLECTION PAGE</u>						
1	TOTAL CARRIED FROM PAGE CIV 1					
2	TOTAL CARRIED FROM PAGE CIV 2					
3	TOTAL CARRIED FROM PAGE CIV 3					
4	TOTAL CARRIED FROM PAGE CIV 4 Above					
TOTAL LINE A CARRIED TO SUMMARY PAGE						

**PROPOSED REHABILITATION & UPGRADING OF SEWER LINE AT NYS HEADQUARTERS
RUARAKA CIVIL ENGINEERING WORKS
BILL NO. 1 SEWERAGE WORKS.**

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					SHS	CTS
A	<u>LINE B EXCAVATIONS</u> Excavate trench for diameter 200mm dia. sewer pipe starting from ground level not exceeding 1.5m deep backfill after laying pipe and dispose excess materials as directed by the Engineer average depth 1.0m	CM	90			
B	Ditto but average depth 1.5m	CM	45			
C	Ditto but average depth 2.0m	CM	45			
D	Ditto but average depth 3.0m	CM	90			
E	Excavate in tarmac across the road include removal of handpack materials and sub-base and cart away as directed	LM	15			
F	Allow for breaking into the existing boundary walls along the sewer line and making good to the original condition		ITEM			
G	Extra over excavation for excavation in rock class 1	CM	180			
H	Allow fo plunking and strutting to all excavations during construction		ITEM			
J	Allow for keeping all excavations free from general waters		ITEM			
K	Allow for disinfection and removal of spilled sewer, and pipe along the new line during construction to the satisfaction of the Engineer		ITEM			
	<u>PIPE LAYING</u>					
L	Provide lay and joint in trench dia 200mm Upvc golden brown class 41Upvc pipe in flexible rubber ring joints	LM	90			
M	Provide lay & compact 100mm thick approved compacted murrum bed to sewer line	SM	90			
N	Provide lay and compact conc. (1:3:6) haunching to pipe include all necessary formwork	CM	10			
TOTAL CARRIED TO COLLECTION PAGE CIV 7						

**PROPOSED REHABILITATION & UPGRADING OF SEWER LINE AT NYS HEADQUARTERS
RUARAKA CIVIL ENGINEERING WORKS
BILL NO. 1 SEWERAGE WORKS.**

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					SHS	CTS
	MANHOLES					
A	Excavate pit for specified standard manhole depth not exceeding 2.0m av. Depth 1.5m	CM	40			
B	Extra over excavation for excavation in rock class 1	CM	20			
C	Allow for plunking and strutting to all excavations during construction		ITEM			
D	Allow for keeping all excavations free from general waters		ITEM			
E	Provide material and construct manhole type A to detail (50)5314	NO	7			
F	Provide and fix heavy duty triangular manhole cover and frames include greasing the covers in clean sand	NO	7			
G	Provide and fix bitumen coated step irons in manholes at 300mm c/c. All to detail 50(5309)	NO	48			
H	Allow for connecting the new sewer at different points as instructed by the Engineer		ITEM			
I	Allow for testing of the entire drainage system after completion to leave it in sound working order to the satisfaction of the Engineer.		ITEM			
J	Restore the cut tarmac sections to its original condition as directed by the Engineer	LM	12			
K	Dislodge the existing sewer line and cart away the arising to NCC dumpsite as directed by the Engineer	LM	90			
L	Disinfect and clean the old sewer system with approved disinfectant as directed by the Engineer	LM	90			
M	Excavate to remove the old sewer line and cart away as directed by the Engineer	LM	90			

**PROPOSED REHABILITATION & UPGRADING OF SEWER LINE AT NYS HEADQUARTERS
RUARAKA CIVIL ENGINEERING WORKS
BILL NO. 1 SEWERAGE WORKS.**

	TOTAL CARRIED TO COLLECTION PAGE CIV 7					

**PROPOSED REHABILITATION & UPGRADING OF SEWER LINE AT NYS HEADQUARTERS
 RUARAKA CIVIL ENGINEERING WORKS
 BILL NO. 1 SEWERAGE WORKS.**

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					SHS	CTS
A	Demolish manhole pits along the old sewer system and cart away as directed by the Engineer	NO	7			
B	Provide fill and compact approved murrum fill materials in layers not exceeding 300mm well watered and rolled to Engineer's satisfaction to fill the old sewer system	CM	270			
C	Allow for re-routing of existing services along the new line i.e water pipes, telecommunications e.t.c		ITEM			
D	Allow for control of traffic during construction of sewer on cut section of the road		ITEM			
TOTAL CARRIED TO COLLECTION PAGE CIV 7						
1	<u>COLLECTION PAGE</u>					
2	TOTAL CARRIED FROM PAGE CIV 5					
3	TOTAL CARRIED FROM PAGE CIV 6					
	TOTAL CARRIED FROM PAGE CIV 7 Above					
TOTAL LINE B CARRIED TO SUMMARY PAGE						

**PROPOSED REHABILITATION & UPGRADING OF SEWER LINE AT NYS HEADQUARTERS
 RUARAKA CIVIL ENGINEERING WORKS
 BILL NO. 1 SEWERAGE WORKS.**

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					SHS	CTS
	<u>LINE C</u>					
	<u>EXCAVATIONS</u>					
A	Excavate trench for diameter 200mm dia. sewer pipe starting from ground level not exceeding 1.5m deep backfill after laying pipe and dispose excess materials as directed by the Engineer average depth 1.0m	CM	45			
B	Ditto but average depth 1.5m	CM	23			
C	Extra over excavation for excavation in rock class 1	CM	68			
D	Excavate trench for diameter 225mm dia. sewer pipe starting from ground level not exceeding 1.5m deep backfill after laying pipe and dispose excess materials as directed by the Engineer average depth 1.0m	CM	60			
E	Ditto but average depth 1.5m	CM	30			
F	Ditto but average depth 2.0m	CM	30			
G	Ditto but average depth 3.0m	CM	60			
H	Extra over excavation for excavation in rock class 1	CM	216			
J	Excavate trench for diameter 300mm dia. sewer pipe starting from ground level not exceeding 1.5m deep backfill after laying pipe and dispose excess materials as directed by the Engineer average depth 1.0m	CM	528			
K	Ditto but average depth 1.5m	CM	264			
L	Ditto but average depth 2.0m	CM	264			
M	Ditto but average depth 3.0m	CM	528			
N	Ditto but average depth 4.0m	CM	528			
P	Ditto but average depth 4.5m	CM	528			
Q	Extra over excavation for excavation in rock class 1	CM	1,584			

**PROPOSED REHABILITATION & UPGRADING OF SEWER LINE AT NYS HEADQUARTERS
RUARAKA CIVIL ENGINEERING WORKS
BILL NO. 1 SEWERAGE WORKS.**

TOTAL CARRIED TO COLLECTION PAGE CIV 11						
ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					SHS	CTS
A	Excavate in tarmac across the road include removal of handpack materials and sub-base and cart away as directed	LM	145			
B	Allow for breaking into the existing boundary walls along the sewer line and making good to the original condition		ITEM			
C	Allow for plunking and strutting to all excavations during construction		ITEM			
D	Allow for keeping all excavations free from general waters		ITEM			
E	Allow for disinfection and removal of spilled sewer, and pipe along the new line during construction to the satisfaction of the Engineer		ITEM			
<u>PIPE LAYING</u>						
F	Provide lay and joint in trench dia 200mm Upvc golden brown class 41Upvc pipe in flexible rubber ring joints	LM	75			
G	Provide lay and joint in trench dia 225mm Upvc golden brown class 41Upvc pipe in flexible rubber ring joints	LM	60			
H	Provide lay and joint in trench dia 300mm Upvc golden brown class 41Upvc pipe in flexible rubber ring joints	LM	440			
J	Provide lay & compact 100mm thick approved compacted murrum bed to sewer line	SM	690			
K	Provide lay and compact conc. (1:3:6) haunching to pipe include all necessary formwork	CM	44			
<u>MANHOLES</u>						
L	Excavate pit for specified standard manhole depth not exceeding 4.5m av. Depth 3.5m	CM	266			
N	Extra over excavation for excavation in rock class 1	CM	190			
TOTAL CARRIED TO COLLECTION PAGE CIV 11						

**PROPOSED REHABILITATION & UPGRADING OF SEWER LINE AT NYS HEADQUARTERS
RUARAKA CIVIL ENGINEERING WORKS
BILL NO. 1 SEWERAGE WORKS.**

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					SHS	CTS
A	<u>MANHOLES CONT'D</u>		ITEM			
	Allow for plunking and strutting to all excavations during construction					
B	Allow for keeping all excavations free from general waters		ITEM			
C	Provide material and construct manhole type B to detail (50)5301	NO	12			
D	Ditto but manhole type 'C' to detail (50)5302	NO	6			
E	Provide material and construct manhole type A to detail (50)5314	NO	5			
F	Ditto but manhole type 'B' to detail (50)5315	NO	15			
G	Provide and fix medium duty rectangular manhole cover and frames include greasing the covers in clean sand	NO	18			
H	Provide and fix heavy duty triangular manhole cover and frames include greasing the covers in clean sand	NO	20			
J	Provide and fix bitumen coated step irons in manholes at 300mm c/c. All to detail 50(5309)	NO	354			
K	Allow for connecting the new sewer at different points as instructed by the Engineer		ITEM			
L	Allow for testing of the entire drainage system after completion to leave it in sound working order to the satisfaction of the Engineer.		ITEM			
M	Restore the cut tarmac sections to its original condition as directed by the Engineer	LM	130			
N	Dislodge the existing sewer line and cart away the arrising to NCC dumpsite as directed by the Engineer	LM	470			
P	Disinfect and clean the old sewer system with approved disinfectant as directed by the Engineer	LM	470			
TOTAL CARRIED TO COLLECTION PAGE CIV 11						

**PROPOSED REHABILITATION & UPGRADING OF SEWER LINE AT NYS HEADQUARTERS
 RUARAKA CIVIL ENGINEERING WORKS
 BILL NO. 1 SEWERAGE WORKS.**

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					SHS	CTS
A	Excavate to remove the old sewer line and cart away as directed by the Engineer	LM	575			
B	Demolish manhole pits along the old sewer system and cart away as directed by the Engineer	NO	38			
C	Provide fill and compact approved murrum fill materials in layers not exceeding 300mm well watered and rolled to Engineer's satisfaction to fill the old sewer system	CM	2,415			
D	Allow for re-routing of existing services along the new line i.e water pipes, telecommunications e.t.c		ITEM			
E	Allow for control of traffic during construction of sewer on cut section of the road		ITEM			
TOTAL CARRIED TO COLLECTION PAGE CIV 11						
1	<u>COLLECTION PAGE</u>					
2	TOTAL CARRIED FROM PAGE CIV 8					
3	TOTAL CARRIED FROM PAGE CIV 9					
4	TOTAL CARRIED FROM PAGE CIV 10					
	TOTAL CARRIED FROM PAGE CIV 11 Above					
TOTAL LINE C CARRIED TO SUMMARY PAGE						

**PROPOSED REHABILITATION & UPGRADING OF SEWER LINE AT NYS HEADQUARTERS
 RUARAKA CIVIL ENGINEERING WORKS
 BILL NO. 1 SEWERAGE WORKS.**

TEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					SH S	CTS
	<u>LINE D</u>					
	<u>EXCAVATIONS</u>					
A	Excavate trench for diameter 200mm dia. sewer pipe starting from ground level not exceeding 1.5m deep backfill after laying pipe and dispose excess materials as directed by the Engineer average depth 1.0m	CM	128			
B	Ditto but average depth 1.5m	CM	64			
C	Ditto but average depth 2.0m	CM	64			
D	Ditto but average depth 3.0m	CM	128			
E	Extra over excavation for excavation in rock class 1	CM	320			
F	Excavate trench for diameter 300mm dia. sewer pipe starting from ground level not exceeding 1.5m deep backfill after laying pipe and dispose excess materials as directed by the Engineer average depth 1.0m	CM	35			
G	Ditto but average depth 1.5m	CM	18			
H	Ditto but average depth 2.0m	CM	18			
J	Ditto but average depth 3.0m	CM	35			
K	Extra over excavation for excavation in rock class 1	CM	96			
L	Allow for breaking into the existing boundary walls along the sewer line and making good to the original condition		ITEM			
M	Allow fo plunking and strutting to all excavations during construction		ITEM			
N	Allow for keeping all excavations free from general waters		ITEM			
P	Allow for disinfection and removal of spilled sewer, and pipe along the new line during construction to the satisfaction of the Engineer		ITEM			
	TOTAL CARRIED TO COLLECTION PAGE CIV 14					

**PROPOSED REHABILITATION & UPGRADING OF SEWER LINE AT NYS HEADQUARTERS
RUARAKA CIVIL ENGINEERING WORKS
BILL NO. 1 SEWERAGE WORKS.**

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					SH S	CTS
	<u>PIPE LAYING</u>					
A	Provide lay and joint in trench dia 200mm Upvc golden brown class 41Upvc pipe in flexible rubber ring joints	LM	160			
B	Provide lay and joint in trench dia 300mm Upvc golden brown class 41Upvc pipe in flexible rubber ring joints	LM	40			
C	Provide lay & compact 100mm thick approved compacted murram bed to sewer line	SM	195			
D	Provide lay and compact conc. (1:3:6) haunching to pipe include all necessary formwork	CM	10			
	<u>MANHOLES</u>					
E	Excavate pit for specified standard manhole depth not exceeding 2.0m av. Depth 1.5m	CM	40			
F	Extra over excavation for excavation in rock class 1	CM	20			
G	Allow fo plunking and strutting to all excavations during construction		ITEM			
H	Allow for keeping all excavations free from general waters		ITEM			
J	Provide material and construct manhole type B to detail (50)5301	NO	4			
K	Ditto but manhole type 'C' to detail (50)5302	NO	5			
L	Ditto but manhole type 'D' to detail (50)5303	NO	3			
M	Ditto but manhole type 'E' to detail (50)5304	NO	3			
N	Provide and fix medium duty rectangular manhole cover and frames include greasing the covers in clean sand	NO	15			
P	Provide and fix bitumen coated step irons in manholes at 300mm c/c. All to detail 50(5309)	NO	120			
TOTAL CARRIED TO COLLECTION PAGE CIV 14						

**PROPOSED REHABILITATION & UPGRADING OF SEWER LINE AT NYS HEADQUARTERS
RUARAKA CIVIL ENGINEERING WORKS
BILL NO. 1 SEWERAGE WORKS.**

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					SHS	CTS
A	Allow for connecting the new sewer at different points as instructed by the Engineer		ITEM			
B	Allow for testing of the entire drainage system after completion to leave it in sound working order to the satisfaction of the Engineer.		ITEM			
C	Dislodge the existing sewer line and cart away the arising to NCC dumpsite as directed by the Engineer	LM	200			
D	Disinfect and clean the old sewer system with approved disinfectant as directed by the Engineer	LM	200			
E	Excavate to remove the old sewer line and cart away as directed by the Engineer	LM	200			
F	Demolish manhole pits along the old sewer system and cart away as directed by the Engineer	NO	15			
G	Provide fill and compact approved murrum fill materials in layers not exceeding 300mm well watered and rolled to Engineer's satisfaction to fill the old sewer system	CM	600			
H	Allow for re-routing of existing services along the new line i.e water pipes, telecommunications e.t.c		ITEM			
TOTAL CARRIED TO COLLECTION PAGE CIV 14						
2	<u>COLLECTION PAGE</u>					
3	TOTAL CARRIED FROM PAGE CIV 12					
	TOTAL CARRIED FROM PAGE CIV 13					
	TOTAL CARRIED FROM PAGE CIV 14 Above					
TOTAL LINE D CARRIED TO SUMMARY PAGE						

**PROPOSED REHABILITATION & UPGRADING OF SEWER LINE AT NYS HEADQUARTERS
 RUARAKA CIVIL ENGINEERING WORKS
 BILL NO. 1 SEWERAGE WORKS.**

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					SHS	CTS
	<u>LINE E</u>					
	<u>EXCAVATIONS</u>					
A	Excavate trench for diameter 450mm dia. sewer pipe starting from ground level not exceeding 1.5m deep backfill after laying pipe and dispose excess materials as directed by the Engineer average depth 1.0m	CM	324			
B	Ditto but average depth 1.5m	CM	162			
C	Ditto but average depth 2.0m	CM	162			
D	Ditto but average depth 3.0m	CM	324			
E	Ditto but average depth 4.0m	CM	324			
F	Extra over excavation for excavation in rock class 1	CM	1,134			
G	Allow for breaking into the existing boundary walls along the sewer line and making good to the original condition		ITEM			
H	Allow fo plunking and strutting to all excavations during construction		ITEM			
J	Allow for keeping all excavations free from general waters		ITEM			
K	Allow for disinfection and removal of spilled sewer, and pipe along the new line during construction to the satisfaction of the Engineer		ITEM			
L	Excavate in tarmac across the road include removal of handpack materials and sub-base and cart away as directed	LM	15			
M	Excavate in concrete across the road include removal of handpack materials and sub-base and cart away as directed	LM	165			
TOTAL CARRIED TO COLLECTION PAGE CIV 17						

**PROPOSED REHABILITATION & UPGRADING OF SEWER LINE AT NYS HEADQUARTERS
RUARAKA CIVIL ENGINEERING WORKS
BILL NO. 1 SEWERAGE WORKS.**

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					SHS	CTS
	<u>PIPE LAYING</u>					
A	Provide lay and joint in trench dia 450mm Upvc golden brown class 41Upvc pipe in flexible rubber ring joints	LM	270			
B	Provide lay & compact 100mm thick approved compacted murrum bed to sewer line	SM	324			
C	Provide lay and compact conc. (1:3:6) haunching to pipe include all necessary formwork	CM	30			
	<u>MANHOLES</u>					
D	Excavate pit for specified standard manhole depth not exceeding 4.5m av. Depth 3.5m	CM	80			
E	Extra over excavation for excavation in rock class 1	CM	68			
F	Allow fo plunking and strutting to all excavations during construction				ITEM	
G	Allow for keeping all excavations free from general waters				ITEM	
H	Ditto but manhole type 'B' to detail (50)5315	NO	10			
J	Provide and fix heavy duty triangular manhole cover and frames include greasing the covers in clean sand	NO	10			
K	Provide and fix bitumen coated step irons in manholes at 300mm c/c. All to detail 50(5309)	NO	100			
L	Allow for connecting the new sewer at different points as instructed by the Engineer				ITEM	
M	Allow for testing of the entire drainage system after completion to leave it in sound working order to the satisfaction of the Engineer.				ITEM	
N	Restore the cut tarmac sections to its original condition as directed by the Engineer	LM	12			
	TOTAL CARRIED TO COLLECTION PAGE CIV 17					

**PROPOSED REHABILITATION & UPGRADING OF SEWER LINE AT NYS HEADQUARTERS
 RUARAKA CIVIL ENGINEERING WORKS
 BILL NO. 1 SEWERAGE WORKS.**

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					SHS	CTS
A	Restore the cut concrete sections to its original condition as directed by the Engineer	LM	165			
B	Dislodge the existing sewer line and cart away the arising to NCC dumpsite as directed by the Engineer	LM	270			
C	Disinfect the old sewer system with approved disinfectant as directed by the Engineer	LM	270			
D	Excavate to remove the old sewer line and cart away as directed by the Engineer	LM	270			
E	Demolish manhole pits along the old sewer system and cart away as directed by the Engineer	NO	10			
F	Provide fill and compact approved murrum fill materials in layers not exceeding 300mm well watered and rolled to Engineer's satisfaction to fill the old sewer system	CM	1,134			
G	Allow for re-routing of existing services along the new line i.e water pipes, telecommunications e.t.c		ITEM			
H	Allow for connecting the sewer to existing NCC Manhole		ITEM			
J	Allow for seeking statutory approvals in relation to the project		ITEM			
K	Allow for control of traffic during construction of sewer on cut section of the road		ITEM			
TOTAL CARRIED TO COLLECTION PAGE CIV 17						

<u>COLLECTION PAGE</u>						
1	TOTAL CARRIED FROM PAGE CIV 13					
2	TOTAL CARRIED FROM PAGE CIV 14					
3	TOTAL CARRIED FROM PAGE CIV 15 Above					
TOTAL LINE E CARRIED TO SUMMARY PAGE						

**PROPOSED REHABILITATION & UPGRADING OF SEWER LINE AT NYS HEADQUARTERS
 RUARAKA CIVIL ENGINEERING WORKS
 BILL NO. 1 SEWERAGE WORKS.**

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					SHS	CTS
1	<u>SUMMARY PAGE</u>					
2	TOTAL FOR LINE A CARRIED FROM PAGE 4					
3	TOTAL FOR LINE B CARRIED FROM PAGE 7					
4	TOTAL FOR LINE C CARRIED FROM PAGE 11					
5	TOTAL FOR LINE D CARRIED FROM PAGE 14					
	TOTAL FOR LINE E CARRIED FROM PAGE 17					
	SUB-TOTAL I					
	TOTAL CARRIED TO GRAND SUMMARY PAGE					

PROPOSED REHABILITATION & UPGRADING OF SEWER LINE AT NYS HEADQUARTERS RUARAKA

GRAND SUMMARY			
BILL NO.	DESCRIPTION	TENDERERS AMOUNT (Kshs)	OFFICIAL USE ONLY (Kshs)
	PARTICULAR PRELIMINARIES		
	GENERAL PRELIMINARIES		
	CIVIL WORKS		
	SUB-TOTAL		
	Add 7.5% CONTIGENCIES		
TOTAL CARRIED TO FORM OF TENDER			

Amount in words :.....

Tenderer's signature and stamp.....

Contractor's name :.....

Date :.....

Witness's name :.....

Signature.....

Address.....

Date :.....