



MINISTRY OF
WATER,
SANITATION AND
IRRIGATION



WATER SECTOR
TRUST FUND



MANDERA WATER
AND SEWERAGE
COMPANY



MANDERA COUNTY
GOVERNMENT



EUROPEAN UNION

MANDERA WATER AND SEWERAGE COMPANY LTD

P.O BOX 341-70300 MANDERA.

Email: info@manderawater.co.ke / Mandawasco@gmail.com

TENDER DOCUMENT

**PROPOSED CONSTRUCTION OF TAKABA WATER SUPPLY PROJECT IN
MANDERA WEST SUBCOUNTY, MANDERA COUNTY**

TENDER REFERENCE NO.: MCG/MANDWASCO/WSTF/NOT/01/2023-2024

FEBRUARY 2024

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TENDER DOCUMENTS FOR PROCUREMENT OF SMALLWORKS

1) **Name and Contact Address of Procuring Entity**

Name: Mandera Water and Sewerage Company Ltd.

Address: P. O. Box 341-70300 Mandera

Email address: info@manderawater.co.ke / mandawasco@gmail.com

2) **Invitation to Tender (ITT) No.: MCG/MANDWASCO/WF/NOT/01/2023-2024**

2) **Tender Name:** Proposed Construction of Takaba Water Supply Project in Mandera West Subcounty, Mandera County

INVITATION TO TENDER

MANDERA WATER AND SEWERAGE COMPANY LIMITED.

P.O BOX 341-70300 – MANDERA

PROPOSED CONSTRUCTION OF TAKABA WATER SUPPLY PROJECT IN MANDERA WEST SUBCOUNTY, MANDERA COUNTY

1. Mandera Water and Sewerage Co. Ltd invites sealed tenders for the Proposed Construction of Takaba Water Supply Project. Construction period will be **3 Months** with a Defect Liability Period of **2 Months**. The Works will be done in Takaba Town.
 2. Tendering will be conducted under **Open National Tender** method using a standardized tender document. Tendering is open to all qualified and interested Tenderers.
 3. Qualified and interested tenderers may obtain further information and inspect the Tender Documents during office hours *8:00am to 5:00pm* at the address given below.
 4. A complete Set of Tender documents may be viewed and downloaded FREE from the Company website www.manderawater.co.ke. Tenderers who download the tender document must forward their particulars immediately to info@manderawater.co.ke / mandawasco@gmail.com. 042-2131037, P.O Box 341-70300 Mandera. To facilitate any further clarification or addendum.
 5. Tenders shall be quoted in Kenya Shillings and shall include all taxes. Tenders shall remain valid for **119 days** from the date of opening of tenders.
 6. All Tenders must be accompanied by a **Tender Security of Kshs.1,000,000 (Kenya Shillings One Million Shillings Only)** which is valid for 30 days after the expiry of tender validity as the Tender Security.
 7. The Tenderer **shall** chronologically serialize all pages of the tender documents submitted.
 8. Completed tenders must be delivered to the address below on or before **12/03/2024 at 9.00 a.m.** Electronic Tenders **will not be permitted**.
 9. Tenders will be opened immediately after the deadline date and time specified above or any dead line date and time specified later. Tenders will be publicly opened in the presence of the Tenderers' designated representatives who choose to attend at the address below.
 10. Late tenders will be rejected.
- A. **Address for obtaining further information and for purchasing Tender Documents**
- 1) Name of Procuring Entity: Mandera Water and Sewerage Co. Ltd.
 - 2) Physical address: Mandera Water and Sewerage Company Head Office, at the New County Headquarters, Mandera town.
Postal Address: P.O box 341 – 70300 Mandera.
Supply Chain Manager
Mandera Water and Sewerage Co. Ltd.
P. O Box 341-70300- Mandera.

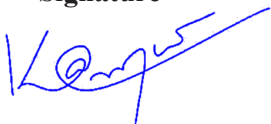
B. **Address for Submission of Tenders:**

- 1) Name of Procuring Entity: **Mandera Water and Sewerage Co. Ltd.**
- 2) Attention: **Chief Executive Officer P.O Box 341-70300 – Mandera.**
- 3) Physical address: **Mandera Water and Sewerage Company Head Office, at the New County Headquarters, Mandera town.**

C. Address for Opening of Tenders.

- 1) Name of Procuring Entity: Mandera Water and Sewerage Co. Ltd
- 2) Physical address for the location: Mandera Water and Sewerage Co. Ltd.'s Boardroom.

Signature



Date

February, 2024

CHIEF EXECUTIVE OFFICER
MANDERA WATER AND SEWERAGE CO. LTD

PART 1 - TENDERING PROCEDURES

SECTION I: INSTRUCTIONS TO TENDERERS

A General Provisions

1. Scope of Tender

- 1.1 The Procuring Entity as defined in the Appendix to Conditions of Contract invites tenders for Works Contract as described in the tender documents. The name, identification, and number of lots (contracts) of this Tender Document are **specified in the TDS.**

2. Fraud and Corruption

- 2.1 The Procuring Entity requires compliance with the provisions of the Public Procurement and Asset Disposal Act, 2015, Section 62 “Declaration not to engage in corruption”. The tender submitted by a person shall include a declaration that the person shall not engage in any corrupt or fraudulent practice and a declaration that the person or his or her sub-contractors are not debarred from participating in public procurement proceedings.
- 2.2 The Procuring Entity requires compliance with the provisions of the Competition Act 2010, regarding collusive practices in contracting. Any tenderer found to have engaged in collusive conduct shall be disqualified and criminal and/or civil sanctions may be imposed. To this effect, Tenders shall be required to complete and sign the “Certificate of Independent Tender Determination” annexed to the Form of Tender.
- 2.3 Unfair Competitive Advantage - Fairness and transparency in the tender process require that the firms or their Affiliates competing for a specific assignment do not derive a competitive advantage from having provided consulting services related to this tender. To that end, the Procuring Entity shall indicate in the **Data Sheet** and make available to all the firms together with this tender document all information that would in that respect give such firm any unfair competitive advantage over competing firms.
- 2.4 Unfair Competitive Advantage -Fairness and transparency in the tender process require that the Firms or their Affiliates competing for a specific assignment do not derive a competitive advantage from having provided consulting services related to this tender being tendered for. The Procuring Entity shall indicate in the **TDS** firms (if any) that provided consulting services for the contract being tendered for. The Procuring Entity shall check whether the owners or controllers of the Tenderer are same as those that provided consulting services. The Procuring Entity shall, upon request, make available to any tenderer information that would give such firm unfair competitive advantage over competing firms.

3. Eligible Tenderers

- 3.1 A Tenderer may be a firm that is a private entity, a state-owned enterprise or institution subject to ITT 3.7 or any combination of such entities in the form of a joint venture (JV) under an existing agreement or with the intent to enter into such an agreement supported by a letter of intent. Public employees and their close relatives (*spouses, children, brothers, sisters and uncles and aunts*) are not eligible to participate in the tender. In the case of a joint venture, all members shall be jointly and severally liable for the execution of the entire Contract in accordance with the Contract terms. The JV shall nominate a Representative who shall have the authority to conduct all business for and on behalf of any and all the members of the JV during the tendering process and, in the event the JV is awarded the Contract, during contract execution. The maximum number of JV members shall be specified in the **TDS.**
- 3.2 Public Officers of the Procuring Entity, their Spouses, Child, Parent, Brothers or Sister. Child, Parent, Brother or Sister of a Spouse, their business associates or agents and firms/organizations in which they have a substantial or controlling interest shall not be eligible to tender or be awarded a contract. Public Officers are also not allowed to participate in any procurement proceedings.
- 3.3 A Tenderer shall not have a conflict of interest. Any tenderer found to have a conflict of interest shall be disqualified. A tenderer may be considered to have a conflict of interest for the purpose of this tendering process, if the tenderer:
 - a) Directly or indirectly controls, is controlled by or is under common control with another tenderer; or
 - b) Receives or has received any direct or indirect subsidy from another tenderer; or
 - c) Has the same legal representative as another tenderer; or
 - d) Has a relationship with another tenderer, directly or through common third parties, that puts it in a position

to influence the tender of another tenderer, or influence the decisions of the Procuring Entity regarding this tendering process; or

- e) Any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the works that are the subject of the tender; or
- f) any of its affiliates has been hired (or is proposed to be hired) by the Procuring Entity as Engineer for the Contract implementation; or
- g) Would be providing goods, works, or non-consulting services resulting from or directly related to consulting services for the preparation or implementation of the contract specified in this Tender Document or
- h) Has a close business or family relationship with a professional staff of the Procuring Entity who:
 - i) are directly or indirectly involved in the preparation of the Tender document or specifications of the Contract, and/or the Tender evaluation process of such contract; or
 - ii) would be involved in the implementation or supervision of such Contract unless the conflict stemming from such relationship has been resolved in a manner acceptable to the Procuring Entity throughout the tendering process and execution of the Contract.

3.4 A tenderer shall not be involved in corrupt, coercive, obstructive, collusive or fraudulent practice. A tenderer that is proven to have been involved any of these practices shall be automatically disqualified.

3.5 A Tenderer (either individually or as a JV member) shall not participate in more than one Tender, except for permitted alternative tenders. This includes participation as a subcontractor in other Tenders. Such participation shall result in the disqualification of all Tenders in which the firm is involved. A firm that is not a tenderer or a JV member may participate as a subcontractor in more than one tender. Members of a joint venture may not also make an individual tender, be a subcontractor in a separate tender or be part of another joint venture for the purposes of the same Tender.

3.6 A Tenderer may have the nationality of any country, subject to the restrictions pursuant to ITT 4.8. A Tenderer shall be deemed to have the nationality of a country if the Tenderer is constituted, incorporated or registered in and operates in conformity with the provisions of the laws of that country, as evidenced by its articles of incorporation (or equivalent documents of constitution or association) and its registration documents, as the case may be. This criterion also shall apply to the determination of the nationality of proposed subcontractors or sub-consultants for any part of the Contract including related Services.

3.7 Tenderer that has been debarred from participating in public procurement shall be ineligible to tender or be awarded a contract. The list of debarred firms and individuals is available from the website of PPRA www.ppra.go.ke.

3.8 Tenderers that are state-owned enterprises or institutions may be eligible to compete and be awarded a Contract(s) only if they are accredited by PPRA to be (i) a legal public entity of the state Government and/or public administration, (ii) financially autonomous and not receiving any significant subsidies or budget support from any public entity or Government, and (iii) operating under commercial law and vested with legal rights and liabilities similar to any commercial enterprise to enable it compete with firms in the private sector on an equal basis.

3.9 A Firms and individuals may be ineligible if their countries of origin (a) as a matter of law or official regulations, Kenya prohibits commercial relations with that country, or (b) by an act of compliance with a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, Kenya prohibits any import of goods or contracting of works or services from that country, or any payments to any country, person, or entity in that country. A tenderer shall provide such documentary evidence of eligibility satisfactory to the Procuring Entity, as the Procuring Entity shall reasonably request.

3.10 Foreign tenderers are required to source at least forty (40%) percent of their contract inputs (in supplies, subcontracts and labor) from national suppliers and contractors. To this end, a foreign tenderer shall provide in its tender documentary evidence that this requirement is met. Foreign tenderers not meeting this criterion will be automatically disqualified. Information required to enable the Procuring Entity determine if this condition is met shall be provided in for this purpose is be provided in “SECTION III - EVALUATION AND QUALIFICATION CRITERIA, Item 9”.

3.11 Pursuant to the eligibility requirements of ITT 4.10, a tender is considered a foreign tenderer, if the tenderer is not registered in Kenya or if the tenderer is registered in Kenya and has less than 51 percent ownership by Kenyan

Citizens. JVs are considered as foreign tenderers if the individual member firms are not registered in Kenya or if are registered in Kenya and have less than 51 percent ownership by Kenyan citizens. The JV shall not subcontract to foreign firms more than 10 percent of the contract price, excluding provisional sums.

3.12 The National Construction Authority Act of Kenya requires that all local and foreign contractors be registered with the National Construction Authority and be issued with a Registration Certificate before they can undertake any construction works in Kenya. Registration shall not be a condition for tender, but it shall be a condition of contract award and signature. A selected tenderer shall be given opportunity to register before such award and signature of contract. Application for registration with National Construction Authority may be accessed from the website www.nca.go.ke.

3.13 The Competition Act of Kenya requires that firms wishing to tender as Joint Venture undertakings which may prevent, distort or lessen competition in provision of services are prohibited unless they are exempt in accordance with the provisions of Section 25 of the Competition Act, 2010. JVs will be required to seek for exemption from the Competition Authority. Exemption shall not be a condition for tender, but it shall be a condition of contract award and signature. A JV tenderer shall be given opportunity to seek such exemption as a condition of award and signature of contract. Application for exemption from the Competition Authority of Kenya may be accessed from the website www.cak.go.ke

3.14 A Kenyan tenderer shall provide evidence of having fulfilled his/her tax obligations by producing a valid tax clearance certificate or tax exemption certificate issued by the Kenya Revenue Authority.

4. Eligible Goods, Equipment, and Services

4.1 Goods, equipment and services to be supplied under the Contract may have their origin in any country that is not eligible under ITT 3.9. At the Procuring Entity's request, Tenderers may be required to provide evidence of the origin of Goods, equipment and services.

4.2 Any goods, works and production processes with characteristics that have been declared by the relevant national environmental protection agency or by other competent authority as harmful to human beings and to the environment shall not be eligible for procurement.

5. Tenderer's Responsibilities

5.1 The tenderer shall bear all costs associated with the preparation and submission of his/her tender, and the Procuring Entity will in no case be responsible or liable for those costs.

5.2 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.

5.3 The Tenderer and any of its personnel or agents will be granted permission by the Procuring Entity to enter upon its premises and lands for the purpose of such visit. The Tenderer shall indemnify the Procuring Entity against all liability arising from death or personal injury, loss of or damage to property, and any other losses and expenses incurred as a result of the inspection.

5.4 The tenderer shall provide in the Form of Tender and Qualification Information, a preliminary description of the proposed work method and schedule, including charts, as necessary or required.

B. Contents of Tender Documents

6. Sections of Tender Document

6.1 The tender document consists of Parts 1, 2, and 3, which includes all the sections specified below, and which should be read in conjunction with any Addenda issued in accordance with ITT 8.

PART 1 Tendering Procedures

- i) Section I - Instructions to Tenderers (ITT)
- ii) Section II - Tender Data Sheet (TDS)
- iii) Section III - Evaluation and Qualification Criteria
- iv) Section IV - Tendering Forms

PART 2 Works Requirements

- i) Section V - Drawings
- ii) Section VI - Specifications
- iii) Section VII - Bills of Quantities

PART 3 Conditions of Contract and Contract Forms

- i) Section VIII - General Conditions of Contract (GCC)
- ii) Section IX - Special Conditions of Contract (SC)
- iii) Section X - Contract Forms

6.2 The Invitation to Tender Document (ITT) issued by the Procuring Entity is not part of the Contract documents.

6.3 Unless obtained directly from the Procuring Entity, the Procuring Entity is not responsible for the completeness of the Tender document, responses to requests for clarification, the minutes of the pre-Tender meeting (if any), or Addenda to the Tender document in accordance with ITT 8. In case of any contradiction, documents obtained directly from the Procuring Entity shall prevail.

The Tenderer is expected to examine all instructions, forms, terms, and specifications in the Tender Document and to furnish with its Tender all information and documentation as is required by the Tender document.

7. Site Visit

7.1 The Tenderer, at the Tenderer's own responsibility and risk, is encouraged to visit and examine and inspect the Site of the Required Services and its surroundings and obtain all information that may be necessary for preparing the Tender and entering into a contract for the Services. The costs of visiting the Site shall be at the Tenderer's own expense.

8. Pre-Tender Meeting

8.1 The Procuring Entity shall specify in the **TDS** if a pre-tender meeting will be held, when and where. The Procuring Entity shall also specify in the **TDS** if a pre-arranged pretender site visit will be held and when. The Tenderer's designated representative is invited to attend a pre-arranged pretender visit of the site of the works. The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.

8.2 The Tenderer is requested to submit any questions in writing, to reach the Procuring Entity not later than the period specified in the **TDS** before the meeting.

8.3 Minutes of the pre-Tender meeting and the pre-arranged pretender site visit of the site of the works, if applicable, including the text of the questions asked by Tenderers and the responses given, together with any responses prepared after the meeting, will be transmitted promptly to all Tenderers who have acquired the Tender Documents in accordance with ITT 6.3. Minutes shall not identify the source of the questions asked.

8.4 The Procuring Entity shall also promptly publish anonym zed (*no names*) Minutes of the pre-Tender meeting and the pre-arranged pretender visit of the site of the works at the web page identified in the **TDS**. Any modification to the Tender Documents that may become necessary as a result of the pre-tender meeting and the pre-arranged pretender site visit, shall be made by the Procuring Entity exclusively through the issue of an Addendum pursuant to ITT 8 and not through the minutes of the pre-Tender meeting. Nonattendance at the pre-Tender meeting will not be a cause for disqualification of a Tenderer.

9. Clarification and amendments of Tender Documents

9.1 A Tenderer requiring any clarification of the Tender Document shall contact the Procuring Entity in writing at the Procuring Entity's address specified in the **TDS** or raise its enquiries during the pre-Tender meeting and the pre-arranged pretender visit of the site of the works if provided for in accordance with ITT 8.4. The Procuring Entity will respond in writing to any request for clarification, provided that such request is received no later than the period

specified in the **TDS** prior to the deadline for submission of tenders. The Procuring Entity shall forward copies of its response to all tenderers who have acquired the Tender Documents in accordance with ITT 6.3, including a description of the inquiry but without identifying its source. If specified in the **TDS**, the Procuring Entity shall also promptly publish its response at the web page identified in the **TDS**. Should the clarification result in changes to the essential elements of the Tender Documents, the Procuring Entity shall amend the Tender Documents appropriately following the procedure under ITT 8.4.

10. Amendment of Tendering Document

- 10.1 At any time prior to the deadline for submission of Tenders, the Procuring Entity may amend the Tendering document by issuing addenda.
- 10.2 Any addendum issued shall be part of the tendering document and shall be communicated in writing to all who have obtained the tendering document from the Procuring Entity in accordance with ITT 6.3. The Procuring Entity shall also promptly publish the addendum on the Procuring Entity's web page in accordance with ITT 8.4.
- 10.3 To give prospective Tenderers reasonable time in which to take an addendum into account in preparing their Tenders, the Procuring Entity shall extend, as necessary, the deadline for submission of Tenders, in accordance with ITT 25.2 below.

C. Preparation of Tenders

11. Cost of Tendering

- 11.1 The Tenderer shall bear all costs associated with the preparation and submission of its Tender, and the Procuring Entity shall not be responsible or liable for those costs, regardless of the conduct or outcome of the tendering process.

12. Language of Tender

- 12.1 The Tender, as well as all correspondence and documents relating to the tender exchanged by the tenderer and the Procuring Entity, shall be written in the English Language. Supporting documents and printed literature that are part of the Tender may be in another language provided they are accompanied by an accurate and notarized translation of the relevant passages into the English Language, in which case, for purposes of interpretation of the Tender, such translation shall govern.

13. Documents Comprising the Tender

- 13.1 The Tender shall comprise the following:
 - a) Form of Tender prepared in accordance with ITT 14;
 - b) Schedules including priced Bill of Quantities, completed in accordance with ITT 14 and ITT 16;
 - c) Tender Security or Tender-Securing Declaration, in accordance with ITT 21.1;
 - d) Alternative Tender, if permissible, in accordance with ITT 15;
 - e) Authorization: written confirmation authorizing the signatory of the Tender to commit the Tenderer, in accordance with ITT 22.3;
 - f) Qualifications: documentary evidence in accordance with ITT 19 establishing the Tenderer's qualifications to perform the Contract if its Tender is accepted;
 - g) Conformity: a technical proposal in accordance with ITT 18;
 - h) Any other document required in the **TDS**.
- 13.2 In addition to the requirements under ITT 11.1, Tenders submitted by a JV shall include a copy of the Joint Venture Agreement entered into by all members. Alternatively, a letter of intent to execute a Joint Venture Agreement in the event of a successful Tender shall be signed by all members and submitted with the Tender,

together with a copy of the proposed Agreement. The Tenderer shall chronologically serialize pages of all tender documents submitted.

13.3 The Tenderer shall furnish in the Form of Tender information on commissions and gratuities, if any, paid or to be paid to agents or any other party relating to this Tender.

14. Form of Tender and Schedules

14.1 The Form of Tender and Schedules, including the Bill of Quantities, shall be prepared using the relevant forms furnished in Section IV, Tendering Forms. The forms must be completed without any alterations to the text, and no substitutes shall be accepted except as provided under ITT 20.3. All blank spaces shall be filled in with the information requested.

15. Alternative Tenders

15.1 Unless otherwise specified in the **TDS**, alternative Tenders shall not be considered.

15.2 When alternative times for completion are explicitly invited, a statement to that effect will be included in the **TDS**, and the method of evaluating different alternative times for completion will be described in Section III, Evaluation and Qualification Criteria.

15.3 Except as provided under ITT 13.4 below, Tenderers wishing to offer technical alternatives to the requirements of the Tender Documents must first price the Procuring Entity's design as described in the Tender Documents and shall further provide all information necessary for a complete evaluation of the alternative by the Procuring Entity, including drawings, design calculations, technical specifications, breakdown of prices, and proposed construction methodology and other relevant details. Only the technical alternatives, if any, of the Tenderer with the Winning Tender conforming to the basic technical requirements shall be considered by the Procuring Entity. When specified in the **TDS**, Tenderers are permitted to submit alternative technical solutions for specified parts of the Works, and such parts will be identified in the **TDS**, as will the method for their evaluating, and described in Section VII, Works' Requirements.

16. Tender Prices and Discounts

16.1 The prices and discounts (including any price reduction) quoted by the Tenderer in the Form of Tender and in the Bill of Quantities shall conform to the requirements specified below.

16.2 The Tenderer shall fill in rates and prices for all items of the Works described in the Bill of Quantities. Items against which no rate or price is entered by the Tenderer shall be deemed covered by the rates for other items in the Bill of Quantities and will not be paid for separately by the Procuring Entity. An item not listed in the priced Bill of Quantities shall be assumed to be not included in the Tender, and provided that the Tender is determined substantially responsive notwithstanding this omission, the average price of the item quoted by substantially responsive Tenderers will be added to the Tender price and the equivalent total cost of the Tender so determined will be used for price comparison.

16.3 The price to be quoted in the Form of Tender, in accordance with ITT 14.1, shall be the total price of the Tender, including any discounts offered.

16.4 The Tenderer shall quote any discounts and the methodology for their application in the Form of Tender, in accordance with ITT 14.1.

16.5 It will be specified in the **TDS** if the rates and prices quoted by the Tenderer are or are not subject to adjustment during the performance of the Contract in accordance with the provisions of the Conditions of Contract, except in cases where the contract is subject to fluctuations and adjustments, not fixed price. In such a case, the Tenderer shall furnish the indices and weightings for the price adjustment formulae in the Schedule of Adjustment Data and the Procuring Entity may require the Tenderer to justify its proposed indices and weightings.

16.6 Where tenders are being invited for individual lots (contracts) or for any combination of lots (packages), tenderers wishing to offer discounts for the award of more than one Contract shall specify in their Tender the price reductions applicable to each package, or alternatively, to individual Contracts within the package. Discounts shall be submitted in accordance with ITT 16.4, provided the Tenders for all lots (contracts) are opened at the same time.

16.7 All duties, taxes, and other levies payable by the Contractor under the Contract, or for any other cause, as of the date 30 days prior to the deadline for submission of Tenders, shall be included in the rates and prices and the total Tender Price submitted by the Tenderer.

17. Currencies of Tender and Payment

17.1 Tenderers shall quote entirely in Kenya Shillings. The unit rates and the prices shall be quoted by the Tenderer in the Bill of Quantities, entirely in Kenya shillings. A Tenderer expecting to incur expenditures in other currencies for inputs to the Works supplied from outside Kenya shall device own ways of getting foreign currency to meet those expenditures.

18. Documents Comprising the Technical Proposal

18.1 The Tenderer shall furnish a technical proposal including a statement of work methods, equipment, personnel, schedule and any other information as stipulated in Section IV, Tender Forms, in sufficient detail to demonstrate the adequacy of the Tenderer's proposal to meet the work's requirements and the completion time.

19. Documents Establishing the Eligibility and Qualifications of the Tenderer

19.1 Tenderers shall complete the Form of Tender, included in Section IV, Tender Forms, to establish Tenderer's eligibility in accordance with ITT 4.

19.2 In accordance with Section III, Evaluation and Qualification Criteria, to establish its qualifications to perform the Contract the Tenderer shall provide the information requested in the corresponding information sheets included in Section IV, Tender Forms.

19.3 A margin of preference will not be allowed. Preference and reservations will be allowed, individually or in joint ventures. Applying for eligibility for Preference and reservations shall supply all information required to satisfy the criteria for eligibility specified in accordance with ITT 33.1.

19.4 Tenderers shall be asked to provide, as part of the data for qualification, such information, including details of ownership, as shall be required to determine whether, according to the classification established by the Procuring Entity, a contractor or group of contractors qualifies for a margin of preference. Further the information will enable the Procuring Entity identify any actual or potential conflict of interest in relation to the procurement and/or contract management processes, or a possibility of collusion between tenderers, and thereby help to prevent any corrupt influence in relation to the procurement process or contract management.

19.5 The purpose of the information described in ITT 19.4 above overrides any claims to confidentiality which a tenderer may have. There can be no circumstances in which it would be justified for a tenderer to keep information relating to its ownership and control confidential where it is tendering to undertake public sector work and receive public sector funds. Thus, confidentiality will not be accepted by the Procuring Entity as a justification for a Tenderer's failure to disclose, or failure to provide required information on its ownership and control.

19.6 The Tenderer shall provide further documentary proof, information or authorizations that the Procuring Entity may request in relation to ownership and control which information on any changes to the information which was provided by the tenderer under ITT 6.3. The obligations to require this information shall continue for the duration of the procurement process and contract performance and after completion of the contract, if any change to the information previously provided may reveal a conflict of interest in relation to the award or management of the contract.

19.7 All information provided by the tenderer pursuant to these requirements must be complete, current and accurate as at the date of provision to the Procuring Entity. In submitting the information required pursuant to these requirements, the Tenderer shall warrant that the information submitted is complete, current and accurate as at the date of submission to the Procuring Entity.

19.8 If a tenderer fails to submit the information required by these requirements, its tender will be rejected. Similarly, if the Procuring Entity is unable, after taking reasonable steps, to verify to a reasonable degree the information submitted by a tenderer pursuant to these requirements, then the tender will be rejected.

19.9 If information submitted by a tenderer pursuant to these requirements, or obtained by the Procuring Entity (whether through its own enquiries, through notification by the public or otherwise), shows any conflict of interest which could materially and improperly benefit the tenderer in relation to the procurement or contract management

process, then:

- i) if the procurement process is still ongoing, the tenderer will be disqualified from the procurement process,
- ii) if the contract has been awarded to that tenderer, the contract award will be set aside,
- iii) the tenderer will be referred to the relevant law enforcement authorities for investigation of whether the tenderer or any other persons have committed any criminal offence.

19.10 If a tenderer submits information pursuant to these requirements that is incomplete, inaccurate or out-of-date, or attempts to obstruct the verification process, then the consequences ITT 6.7 will ensue unless the tenderer can show to the reasonable satisfaction of the Procuring Entity that any such act was not material, or was due to genuine error which was not attributable to the intentional act, negligence or recklessness of the tenderer.

20. Period of Validity of Tenders

20.1 Tenders shall remain valid for the Tender Validity period specified in the **TDS**. The Tender Validity period starts from the date fixed for the Tender submission deadline (as prescribed by the Procuring Entity in accordance with ITT 24). A Tender valid for a shorter period shall be rejected by the Procuring Entity as non-responsive.

20.2 In exceptional circumstances, prior to the expiration of the Tender validity period, the Procuring Entity may request Tenderers to extend the period of validity of their Tenders. The request and the responses shall be made in writing. If a Tender Security is requested in accordance with ITT 21.1, it shall also be extended for thirty (30) days beyond the deadline of the extended validity period. A Tenderer may refuse the request without forfeiting its Tender security. A Tenderer granting the request shall not be required or permitted to modify its Tender, except as provided in ITT 20.3.

20.3 If the award is delayed by a period exceeding the number of days to be specified in the **TDS** days beyond the expiry of the initial tender validity period, the Contract price shall be determined as follows:

- a) in the case of **fixed price** contracts, the Contract price shall be the tender price adjusted by the factor specified in the **TDS**;
- b) in the case of **adjustable price** contracts, no adjustment shall be made; or in any case, tender evaluation shall be based on the tender price without taking into consideration the applicable correction from those indicated above.

21. Tender Security

21.1 The Tenderer shall furnish as part of its Tender, either a Tender-Securing Declaration or a Tender Security as specified in the **TDS**, in original form and, in the case of a Tender Security, in the amount and currency specified in the **TDS**. A Tender-Securing Declaration shall use the form included in Section IV, Tender Forms.

21.2 If a Tender Security is specified pursuant to ITT 19.1, the Tender Security shall be a demand guarantee in any of the following forms at the Tenderer's option:

- a) an unconditional Bank Guarantee issued by reputable commercial bank); or
- b) an irrevocable letter of credit;
- c) a Banker's cheque issued by a reputable commercial bank; or
- d) another security specified **in the TDS**,

21.3 If an unconditional bank guarantee is issued by a bank located outside Kenya, the issuing bank shall have a correspondent bank located in Kenya to make it enforceable. The Tender Security shall be valid for thirty (30) days beyond the original validity period of the Tender, or beyond any period of extension if requested under ITT 20.2.

21.4 If a Tender Security or Tender-Securing Declaration is specified pursuant to ITT 19.1, any Tender not accompanied by a substantially responsive Tender Security or Tender-Securing Declaration shall be rejected by the Procuring Entity as non-responsive.

21.5 If a Tender Security is specified pursuant to ITT 21.1, the Tender Security of unsuccessful Tenderers shall be returned as promptly as possible upon the successful Tenderer's signing the Contract and furnishing the Performance Security and any other documents required in the **TDS**. The Procuring Entity shall also promptly return the tender security to the tenderers where the procurement proceedings are terminated, all tenders were determined nonresponsive or a bidder declines to extend tender validity period.

21.6 The Tender Security of the successful Tenderer shall be returned as promptly as possible once the successful Tenderer has signed the Contract and furnished the required Performance Security, and any other documents required in the **TDS**.

21.7 The Tender Security may be forfeited or the Tender-Securing Declaration executed:

- a) if a Tenderer withdraws its Tender during the period of Tender validity specified by the Tenderer on the Form of Tender, or any extension thereto provided by the Tenderer; or
- b) if the successful Tenderer fails to:
 - i) sign the Contract in accordance with ITT 50; or
 - ii) furnish a Performance Security and if required in the **TDS**, and any other documents required in the **TDS**.

21.8 Where tender securing declaration is executed, the Procuring Entity shall recommend to the PPRA that PPRA debars the Tenderer from participating in public procurement as provided in the law.

21.9 The Tender Security or the Tender-Securing Declaration of a JV shall be in the name of the JV that submits the Tender. If the JV has not been legally constituted into a legally enforceable JV at the time of tendering, the Tender Security or the Tender-Securing Declaration shall be in the names of all future members as named in the letter of intent referred to in ITT 4.1 and ITT 11.2.

21.10 A tenderer shall not issue a tender security to guarantee itself.

22. Format and Signing of Tender

22.1 The Tenderer shall prepare one original of the documents comprising the Tender as described in ITT 13 and clearly mark it "ORIGINAL." Alternative Tenders, if permitted in accordance with ITT 15, shall be clearly marked "ALTERNATIVE." In addition, the Tenderer shall submit copies of the Tender, in the number specified in the **TDS** and clearly mark them "COPY." In the event of any discrepancy between the original and the copies, the original shall prevail.

22.2 Tenderers shall mark as "CONFIDENTIAL" all information in their Tenders which is confidential to their business. This may include proprietary information, trade secrets, or commercial or financially sensitive information.

22.3 The original and all copies of the Tender shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Tenderer. This authorization shall consist of a written confirmation as specified in the **TDS** and shall be attached to the Tender. The name and position held by each person signing the authorization must be typed or printed below the signature. All pages of the Tender where entries or amendments have been made shall be signed or initialed by the person signing the Tender.

22.4 In case the Tenderer is a JV, the Tender shall be signed by an authorized representative of the JV on behalf of the JV, and to be legally binding on all the members as evidenced by a power of attorney signed by their legally authorized representatives.

22.5 Any inter-lineation, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the Tender.

D. Submission and Opening of Tenders

23. Sealing and Marking of Tenders

23.1 Depending on the sizes or quantities or weight of the tender documents, a tenderer may use an envelope, package or container. The Tenderer shall deliver the Tender in a single sealed envelope, or in a single sealed package, or in a single sealed container bearing the name and Reference number of the Tender, addressed to the Procuring Entity and a warning not to open before the time and date for Tender opening date. Within the single envelope, package or container, the Tenderer shall place the following separate, sealed envelopes:

- a) in an envelope or package or container marked "ORIGINAL", all documents comprising the Tender, as described in ITT 11; and
- b) in an envelope or package or container marked "COPIES", all required copies of the Tender; and
- c) if alternative Tenders are permitted in accordance with ITT 15, and if relevant:

- i) in an envelope or package or container marked “ORIGINAL –ALTERNATIVE TENDER”, the alternative Tender; and
- ii) in the envelope or package or container marked “COPIES- ALTERNATIVE TENDER”, all required copies of the alternative Tender.

The inner envelopes or packages or containers shall:

- a) bear the name and address of the Procuring Entity.
- b) bear the name and address of the Tenderer; and
- c) bear the name and Reference number of the Tender.

23.2 If an envelope or package or container is not sealed and marked as required, the *Procuring Entity* will assume no responsibility for the misplacement or premature opening of the Tender. Tenders that are misplaced or opened prematurely will not be accepted.

24. Deadline for Submission of Tenders

24.1 Tenders must be received by the Procuring Entity at the address specified in the **TDS** and no later than the date and time also specified in the **TDS**. When so specified in the **TDS**, Tenderers shall have the option of submitting their Tenders electronically. Tenderers submitting Tenders electronically shall follow the electronic Tender submission procedures specified in the **TDS**.

24.2 The Procuring Entity may, at its discretion, extend the deadline for the submission of Tenders by amending the Tender Documents in accordance with ITT 8, in which case all rights and obligations of the Procuring Entity and Tenderers previously subject to the deadline shall thereafter be subject to the deadline as extended.

25. Late Tenders

25.1 The Procuring Entity shall not consider any Tender that arrives after the deadline for submission of tenders, in accordance with ITT 24. Any Tender received by the Procuring Entity after the deadline for submission of Tenders shall be declared late, rejected, and returned unopened to the Tenderer.

26. Withdrawal, Substitution, and Modification of Tenders

26.1 A Tenderer may withdraw, substitute, or modify its Tender after it has been submitted by sending a written notice, duly signed by an authorized representative, and shall include a copy of the authorization in accordance with ITT 22.3, (except that withdrawal notices do not require copies). The corresponding substitution or modification of the Tender must accompany the respective written notice. All notices must be:

- a) prepared and submitted in accordance with ITT 22 and ITT 23 (except that withdrawals notices do not require copies), and in addition, the respective envelopes shall be clearly marked “WITHDRAWAL,” “SUBSTITUTION,” “MODIFICATION;” and
- b) received by the Procuring Entity prior to the deadline prescribed for submission of Tenders, in accordance with ITT 24.

26.2 Tenders requested to be withdrawn in accordance with ITT 26.1 shall be returned unopened to the Tenderers.

26.3 No Tender may be withdrawn, substituted, or modified in the interval between the deadline for submission of Tenders and the expiration of the period of Tender validity specified by the Tenderer on the Form of Tender or any extension thereof.

27. Tender Opening

27.1 Except in the cases specified in ITT 23 and ITT 26.2, the Procuring Entity shall publicly open and read out all Tenders received by the deadline, at the date, time and place specified in the **TDS**, in the presence of Tenderers' designated representatives who chooses to attend. Any specific electronic Tender opening procedures required if electronic Tendering is permitted in accordance with ITT 24.1, shall be as specified in the **TDS**.

27.2 First, envelopes marked “WITHDRAWAL” shall be opened and read out and the envelopes with the corresponding Tender shall not be opened, but returned to the Tenderer. No Tender withdrawal shall be permitted unless the corresponding withdrawal notice contains a valid authorization to request the withdrawal and is read out at Tender opening.

- 27.3 Next, envelopes marked “SUBSTITUTION” shall be opened and read out and exchanged with the corresponding Tender being substituted, and the substituted Tender shall not be opened, but returned to the Tenderer. No Tender substitution shall be permitted unless the corresponding substitution notice contains a valid authorization to request the substitution and is read out at Tender opening.
- 27.4 Next, envelopes marked “MODIFICATION” shall be opened and read out with the corresponding Tender. No Tender modification shall be permitted unless the corresponding modification notice contains a valid authorization to request the modification and is read out at Tender opening.
- 27.5 Next, all remaining envelopes shall be opened one at a time, reading out: the name of the Tenderer and whether there is a modification; the total Tender Price, per lot (contract) if applicable, including any discounts and alternative Tenders; the presence or absence of a Tender Security or Tender-Securing Declaration, if required; and any other details as the Procuring Entity may consider appropriate.
- 27.6 Only Tenders, alternative Tenders and discounts that are opened and read out at Tender opening shall be considered further for evaluation. The Form of Tender and pages of the Bills of Quantities are to be initialed by the members of the tender opening committee attending the opening. The number of representatives of the Procuring Entity to sign shall be specified in the **TDS**.
- 27.7 At the Tender Opening, the Procuring Entity shall neither discuss the merits of any Tender nor reject any Tender (except for late Tenders, in accordance with ITT 25.1).
- 27.8 The Procuring **Entity shall prepare minutes of the Tender Opening that shall include, as a minimum:**
- a) the name of the Tenderer and whether there is a withdrawal, substitution, or modification;
 - b) the Tender Price, per lot (contract) if applicable, including any discounts;
 - c) any alternative Tenders;
 - d) the presence or absence of a Tender Security, if one was required.
 - e) number of pages of each tender document submitted.
- 27.9 The Tenderers' representatives who are present shall be requested to sign the minutes. The omission of a Tenderer's signature on the minutes shall not invalidate the contents and effect of the minutes. A copy of the tender opening register shall be distributed to all Tenderers upon request.

E. Evaluation and Comparison of Tenders

28. Confidentiality

- 28.1 Information relating to the evaluation of Tenders and recommendation of contract award shall not be disclosed to Tenderers or any other persons not officially concerned with the Tender process until information on Intention to Award the Contract is transmitted to all Tenderers in accordance with ITT 46.
- 28.2 Any effort by a Tenderer to influence the Procuring Entity in the evaluation of the Tenders or Contract award decisions may result in the rejection of its tender.
- 28.3 Notwithstanding ITT 28.2, from the time of tender opening to the time of contract award, if a tenderer wishes to contact the Procuring Entity on any **matter related to the tendering process, it shall do so in writing.**

29. Clarification of Tenders

- 29.1 To assist in the examination, evaluation, and comparison of the tenders, and qualification of the tenderers, the Procuring Entity may, at its discretion, ask any tenderer for a clarification of its tender, given a reasonable time for a response. Any clarification submitted by a tenderer that is not in response to a request by the Procuring Entity shall not be considered. The Procuring Entity's request for clarification and the response shall be in writing. No change, including any voluntary increase or decrease, in the prices or substance of the tender shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the Procuring Entity in the evaluation of the tenders, in accordance with ITT 33.
- 29.2 If a tenderer does not provide clarifications of its tender by the date and time set in the Procuring Entity's request for clarification, its Tender may be rejected.

30. Deviations, Reservations, and Omissions

30.1 During the evaluation of tenders, the following definitions apply:

- a) "Deviation" is a departure from the requirements specified in the tender document;
- b) "Reservation" is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the tender document; and
- c) "Omission" is the failure to submit part or all of the information or documentation required in the Tender document.

31. Determination of Responsiveness

31.1 The Procuring Entity's determination of a Tender's responsiveness is to be based on the contents of the tender itself, as defined in ITT 13.

31.2 A substantially responsive Tender is one that meets the requirements of the Tender document without material deviation, **reservation, or omission. A material deviation, reservation, or omission is one that, if accepted, would:**

- a) affect in any substantial way the scope, quality, or performance of the Works specified in the Contract; or
- b) limit in any substantial way, inconsistent with the tender document, the Procuring Entity's rights or the tenderer's obligations under the proposed contract; or
- c) if rectified, would unfairly affect the competitive position of other tenderers presenting substantially responsive tenders.

31.3 The Procuring Entity shall examine the technical aspects of the tender submitted in accordance with ITT 18, to confirm that all requirements of Section VII, Works' Requirements have been met without any material deviation, reservation or omission.

31.4 If a tender is not substantially responsive to the requirements of the tender document, it shall be rejected by the Procuring Entity and may not subsequently be made responsive by correction of the material deviation, reservation, or omission.

32. Non-material Non-conformities

32.1 Provided that a tender is substantially responsive, the Procuring Entity may waive any non-conformities in the tender.

32.2 Provided that a Tender is substantially responsive, the Procuring Entity may request that the tenderer submit the necessary information or documentation, within a reasonable period, to rectify nonmaterial non-conformities in the tender related to documentation requirements. Requesting information or documentation on such non-conformities shall not be related to any aspect of the price of the tender. Failure of the tenderer to comply with the request may result in the rejection of its tender.

32.3 Provided that a tender is substantially responsive, the Procuring Entity shall rectify quantifiable nonmaterial non-conformities related to the Tender Price. To this effect, the Tender Price shall be adjusted, for comparison purposes only, to reflect the price of a missing or non-conforming item or component in the manner specified in the TDS.

33. Arithmetical Errors

33.1 The tender sum as submitted and read out during the tender opening shall be absolute and final and shall not be the subject of correction, adjustment or amendment in any way by any person or entity.

33.2 Provided that the Tender is substantially responsive, the Procuring Entity shall handle errors on the following basis:

- a) Any error detected if considered a major deviation that affects the substance of the tender, shall lead to disqualification of the tender as non-responsive.
- b) Any errors in the submitted tender arising from a miscalculation of unit price, quantity, and subtotal and total bid price shall be considered as a major deviation that affects the substance of the tender and shall lead to disqualification of the tender as non-responsive. and
- c) if there is a discrepancy between words and figures, the amount in words shall prevail

33.3 Tenderers shall be notified of any error detected in their bid during the notification of a ward.

34. Currency provisions

34.1 Tenders will be priced in Kenya Shillings only. Tenderers quoting in currencies other than in Kenya shillings will be determined non-responsive and rejected.

35. Margin of Preference and Reservations

35.1 No margin of preference shall be allowed on contracts for small works.

35.2 Where it is intended to reserve the contract to specific groups under Small and Medium Enterprises, or enterprise of women, youth and/or persons living with disability, who are appropriately registered as such by the authority to be specified in the **TDS**, a procuring entity shall ensure that the invitation to tender specifically indicates that only businesses/firms belonging to those specified groups are the only ones eligible to tender. Otherwise if no so stated, the invitation will be open to all tenderers.

36. Nominated Subcontractors

36.1 Unless otherwise stated in the **TDS**, the Procuring Entity does not intend to execute any specific elements of the Works by subcontractors selected in advance by the Procuring Entity.

36.2 Tenderers may propose subcontracting up to the percentage of total value of contracts or the volume of works as specified in the **TDS**. Subcontractors proposed by the Tenderer shall be fully qualified for their parts of the Works.

36.3 The subcontractor's qualifications shall not be used by the Tenderer to qualify for the Works unless their specialized parts of the Works were previously designated by the Procuring Entity in the **TDS** as can be met by subcontractors referred to hereafter as 'Specialized Subcontractors', in which case, the qualifications of the Specialized Subcontractors proposed by the Tenderer may be added to the qualifications of the Tenderer.

37. Evaluation of Tenders

37.1 The Procuring Entity shall use the criteria and methodologies listed in this ITT and Section III, Evaluation and Qualification Criteria. No other evaluation criteria or methodologies shall be permitted. By applying the criteria and methodologies the Procuring Entity shall determine the Best Evaluated Tender in accordance with ITT 40.

37.2 To evaluate a Tender, the Procuring Entity shall consider the following:

- a) price adjustment due to discounts offered in accordance with ITT 16;
- b) converting the amount resulting from applying (a) and (b) above, if relevant, to a single currency in accordance with ITT 39;
- c) price adjustment due to quantifiable nonmaterial non-conformities in accordance with ITT 30.3; and
- d) any additional evaluation factors specified in the **TDS** and Section III, Evaluation and Qualification Criteria.

37.3 The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be considered in Tender evaluation.

37.4 In the case of multiple contracts or lots, Tenderers shall be allowed to tender for one or more lots and the methodology to determine the lowest evaluated cost of the lot (contract) combinations, including any discounts offered in the **Form of Tender, is specified in Section III, Evaluation and Qualification Criteria.**

38. Comparison of Tenders

38.1 The Procuring Entity shall compare the evaluated costs of all substantially responsive Tenders established in accordance with ITT 38.2 to determine the Tender that has the lowest evaluated cost.

39. Abnormally Low Tenders

39.1 An Abnormally Low Tender is one where the Tender price, in combination with other elements of the Tender, appears so low that it raises material concerns as to the capability of the Tenderer in regards to the Tenderer's ability to perform the Contract for the offered Tender Price or that genuine competition between Tenderers is compromised.

39.2 In the event of identification of a potentially Abnormally Low Tender, the Procuring Entity shall seek written

clarifications from the Tenderer, including detailed price analyses of its Tender price in relation to the subject matter of the contract, scope, proposed methodology, schedule, allocation of risks and responsibilities and any other requirements of the Tender document.

39.3 After evaluation of the price analyses, in the event that the Procuring Entity determines that the Tenderer has failed to demonstrate its capability to perform the Contract for the offered Tender Price, the Procuring Entity shall reject the Tender.

40. Abnormally High Tenders

40.1 An abnormally high price is one where the tender price, in combination with other constituent elements of the Tender, appears unreasonably too high to the extent that the Procuring Entity is concerned that it (the Procuring Entity) may not be getting value for money or it may be paying too high a price for the contract compared with market prices or that genuine competition between Tenderers is compromised.

40.2 In case of an abnormally high tender price, the Procuring Entity shall make a survey of the market prices, check if the estimated cost of the contract is correct and review the Tender Documents to check if the specifications, scope of work and conditions of contract are contributory to the abnormally high tenders. The Procuring Entity may also seek written clarification from the tenderer on the reason for the high tender price. The Procuring Entity shall proceed as follows:

- i) If the tender price is abnormally high based on wrong estimated cost of the contract, the Procuring Entity may accept or not accept the tender depending on the Procuring Entity's budget considerations.
- ii) If specifications, scope of work and/or conditions of contract are contributory to the abnormally high tender prices, the Procuring Entity shall reject all tenders and may retender for the contract based on revised estimates, specifications, scope of work and conditions of contract, as the case may be.

40.3 If the Procuring Entity determines that the Tender Price is abnormally too high because genuine competition between tenderers is compromised (*often due to collusion, corruption or other manipulations*), the Procuring Entity shall reject all Tenders and shall institute or cause competent Government Agencies to institute an investigation on the cause of the compromise, before retendering.

41. Unbalanced and/or Front-Loaded Tenders

41.1 If in the Procuring Entity's opinion, the Tender that is evaluated as the lowest evaluated price is seriously unbalanced and/or front loaded, the Procuring Entity may require the Tenderer to provide written clarifications. Clarifications may include detailed price analyses to demonstrate the consistency of the tender prices with the scope of works, proposed methodology, schedule and any other requirements of the Tender document.

41.2 After the evaluation of the information and detailed price analyses presented by the Tenderer, the Procuring Entity may as appropriate:

- a) accept the Tender; or
- b) require that the total amount of the Performance Security be increased at the expense of the Tenderer to a level not exceeding a 30% of the Contract Price; or
- c) agree on a payment mode that eliminates the inherent risk of the Procuring Entity paying too much for undelivered works; or
- d) reject the Tender,

42. Qualifications of the Tenderer

42.1 The Procuring Entity shall determine to its satisfaction whether the eligible Tenderer that is selected as having submitted the lowest evaluated cost and substantially responsive Tender, meets the qualifying criteria specified in Section III, Evaluation and Qualification Criteria.

42.2 The determination shall be based upon an examination of the documentary evidence of the Tenderer's qualifications submitted by the Tenderer, pursuant to ITT 19. The determination shall not take into consideration the qualifications of other firms such as the Tenderer's subsidiaries, parent entities, affiliates, subcontractors (other than Specialized Subcontractors if permitted in the Tender document), or any other firm(s) different from the Tenderer.

42.3 An affirmative determination shall be a prerequisite for award of the Contract to the Tenderer. A negative determination shall result in disqualification of the Tender, in which event the Procuring Entity shall proceed to

the Tenderer who offers a substantially responsive Tender with the next lowest evaluated price to make a similar determination of that Tenderer's qualifications to perform satisfactorily.

42.4 An Abnormally Low Tender is one where the Tender price, in combination with other elements of the Tender, appears so low that it raises material concerns as to the capability of the Tenderer in regards to the Tenderer's ability to perform the Contract for the offered Tender Price.

42.5 In the event of identification of a potentially Abnormally Low Tender, the Procuring Entity shall seek written clarifications from the Tenderer, including detailed price analyses of its Tender price in relation to the subject matter of the contract, scope, proposed methodology, schedule, allocation of risks and responsibilities and any other requirements of the Tender document.

42.6 After evaluation of the price analyses, if the Procuring Entity determines that the Tenderer has failed to demonstrate its capability to perform the Contract for the offered Tender Price, the Procuring Entity shall reject the Tender.

43. Best Evaluated Tender

43.1 Having compared the evaluated prices of Tenders, the Procuring Entity shall determine the Best Evaluated Tender. The Best Evaluated Tender is the Tender of the Tenderer that meets the Qualification Criteria and whose Tender has been determined to be:

- a) Most responsive to the Tender document; and
- b) the lowest evaluated price.

44. Procuring Entity's Right to Accept Any Tender, and to Reject Any or All Tenders.

44.1 The Procuring Entity reserves the right to accept or reject any Tender and to annul the Tender process and reject all Tenders at any time prior to Contract Award, without thereby incurring any liability to Tenderers. In case of annulment, all Tenderers shall be notified with reasons and all Tenders submitted and specifically, Tender securities, shall be promptly returned to the Tenderers.

F. Award of Contract

45. Award Criteria

45.1 The Procuring Entity shall award the Contract to the successful tenderer whose tender has been determined to be the Lowest Evaluated Tender.

46. Notice of Intention to enter into a Contract

46.1 Upon award of the contract and Prior to the expiry of the Tender Validity Period the Procuring Entity shall issue a Notification of Intention to Enter into a Contract / Notification of award to all tenderers which shall contain, at a minimum, the following information:

- a) the name and address of the Tenderer submitting the successful tender;
- b) the Contract price of the successful tender;
- c) a statement of the reason(s) the tender of the unsuccessful tenderer to whom the letter is addressed was unsuccessful, unless the price information in (c) above already reveals the reason;
- d) the expiry date of the Standstill Period; and
- e) instructions on how to request a debriefing and/or submit a complaint during the standstill period;

47. Standstill Period

47.1 The Contract shall not be signed earlier than the expiry of a Standstill Period of 14 days to allow any dissatisfied tender to launch a complaint. Where only one Tender is submitted, the Standstill Period shall not apply.

47.2 Where a Standstill Period applies, it shall commence when the Procuring Entity has transmitted to each Tenderer the Notification of Intention to Enter **into a Contract with the successful Tenderer.**

48. Debriefing by the Procuring Entity

48.1 On receipt of the Procuring Entity's Notification of Intention to Enter into a Contract referred to in ITT 46, an

unsuccessful tenderer may make a written request to the Procuring Entity for a debriefing on specific issues or concerns regarding their tender. The Procuring Entity shall provide the debriefing within five days of receipt of the request.

48.2 Debriefings of unsuccessful Tenderers may be done in writing or verbally. The Tenderer shall bear its own costs of attending **such a debriefing meeting**.

49. Letter of Award

49.1 Prior to the expiry of the Tender Validity Period and upon expiry of the Standstill Period specified in ITT 42.1, upon addressing a complaint that has been filed within the Standstill Period, the Procuring Entity shall transmit the Letter of Award to the successful Tenderer. The letter of award shall request the successful tenderer to furnish the Performance Security within 21 days of the date of the letter.

50. Signing of Contract

50.1 Upon the expiry of the fourteen days of the Notification of Intention to enter into contract and upon the parties meeting their respective statutory requirements, the Procuring Entity shall send the successful Tenderer the Contract Agreement.

50.2 Within fourteen (14) days of receipt of the Contract Agreement, the successful Tenderer shall sign, date, and return it to the Procuring Entity.

50.3 The written contract shall be entered into within the period specified in the notification of award and before expiry of the tender validity period

51. Appointment of Adjudicator

51.1 The Procuring Entity proposes the person named in the **TDS** to be appointed as Adjudicator under the Contract, at the hourly fee specified in the **TDS**, plus reimbursable expenses. If the Tenderer disagrees with this proposal, the Tenderer should so state in his Tender. If, in the Letter of Acceptance, the Procuring Entity does not agree on the appointment of the Adjudicator, the Procuring Entity will request the Appointing Authority designated in the Special Conditions of Contract (SCC) pursuant to Clause 23.1 of the General Conditions of Contract (GCC), to appoint the Adjudicator.

52. Performance Security

52.1 Within twenty-one (21) days of the receipt of the Letter of Acceptance from the Procuring Entity, the successful Tenderer shall furnish the Performance Security and, any other documents required in the **TDS**, in accordance with the General Conditions of Contract, subject to ITT 40.2 (b), using the Performance Security and other Forms included in Section X, Contract Forms, or another form acceptable to the Procuring Entity. A foreign institution providing a bank guarantee shall have a correspondent financial institution located in Kenya, unless the Procuring Entity has agreed in writing that a correspondent bank is not required.

52.2 Failure of the successful Tenderer to submit the above-mentioned Performance Security and other documents required in the **TDS**, or sign the Contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the Tender Security. In that event the Procuring Entity may award the Contract to the Tenderer offering the next Best Evaluated Tender.

52.3 Performance security shall not be required for contracts estimated to cost less than Kenya shillings five million shillings.

53. Publication of Procurement Contract

53.1 Within fourteen days after signing the contract, the Procuring Entity shall publish the awarded contract at its notice boards and websites; and on the Website of the Authority. At the minimum, the notice shall contain the following information:

- a) name and address of the Procuring Entity;
- b) name and reference number of the contract being awarded, a summary of its scope and the selection method used;
- c) the name of the successful Tenderer, the final total contract price, the contract duration.

- d) dates of signature, commencement and completion of contract;
- e) names of all Tenderers that submitted Tenders, and their Tender prices as read out at Tender opening.

54. Procurement Related Complaints and Administrative Review

54.1 The procedures for making Procurement-related Complaints are as specified in the **TDS**.

54.2 A request for administrative review shall be made in the form provided under contract forms.

Section II - Tender Data Sheet (TDS)

The following specific data shall complement, supplement, or amend the provisions in the Instructions to Tenderers (ITT). Whenever there is a conflict, the provisions herein shall prevail over those in ITT.

ITT Reference	PARTICULARS OF APPENDIX TO INSTRUCTIONS TO TENDERS
	A. General
ITT 1.1	<p>The name of the contract is : Proposed Construction of Takaba Water Supply Project in Mandera West subcounty, Mandera County</p> <p>The reference number of the contract is: MCG/MANDWASCO/WSTF/NOT/01/2023-2024</p> <p>The number and identification of lots (contracts) comprising this Tender are</p> <p>Lot 1- Name: None</p> <p>Lot 2- Name: None</p> <p>Note: There will be no lots for this tender</p>
ITT 2.3	<p>The Information made available on competing firms is as follows:</p> <hr/> <p>There is no specific information that would give any single firm unfair competitive advantage and all competing firms are advised to read carefully this document and respond to all requirement.</p>
ITT 2.4	<p>The firms that provided consulting services for the contract being tendered for are: There was no preliminary consultancy leading to definition of the stated works.</p>
ITT 3.1	<p>Maximum number of members in the Joint Venture (JV) shall be: None.</p>
	B. Contents of Tender Document
8.1	<p>(A) Pre-Tender conference shall not take place at the following date, time and place: Date: ___ N/A ___ Time: ___ N/A ___ Place: ___ N/A ___</p> <p>(B) A pre-arranged pretender visit of the site of the works shall take place at the following date, time and place: Date: 04/03/2024</p> <p>Time: 10.00 am</p> <p>Place: Takaba Town, Mandera West constituency (Tenderers will converge at Minstry of water office in Takaba Town)</p>
ITT 8.2	<p>The Tenderer will submit any questions in writing, to reach the Procuring Entity not later than: 11/03/2024 at 5.00 p.m.</p>
ITT 8.4	<p>The Procuring Entity’s website where Minutes of the pre-Tender meeting and the pre-arranged pretender site visit will be published is: www.manderawater.co.ke</p>
ITT 9.1	<p>For Clarification of Tender purposes, for obtaining further information and for purchasing tender documents, the Procuring Entity’s address is:</p> <p>(1) Name: Mandera Water and Sewerage Co. Ltd</p>

ITT Reference	PARTICULARS OF APPENDIX TO INSTRUCTIONS TO TENDERS
	<p>(2) Physical address: Mandera Water & Sewerage Company Limited</p> <p>Physical address: MANDWASCO Head Office at New County Headquarters, Mandera Town.</p> <p>Postal Address: P. O. Box 341 – 70300 Mandera</p> <p>(3) Postal Address: P.O Box 341-70300 Mandera.</p> <p>(4) Name of Officer to be contacted: Supply Chain Manager, 042-2131037 and e-mail address info@manderawater.co.ke or Mandawasco@gmail.com</p>
C. Preparation of Tenders	
ITT 13.1 (h)	<p>Apart from the documents forming the tender, tenderer shall submit the following additional documents as proof of eligibility and qualification requirements for purposes of tender evaluation process:</p> <ol style="list-style-type: none"> i. Valid Registration as a legal entity evidenced by Certificate of Incorporation or Registration of Name from the Registrar of Companies certified copy by Commissioner for Oaths. ii. Proof of Directorship and Shareholding of the company (i.e. CR12 or whichever Applicable) being submitted with the tender, pursuant to Section 55(1) (a) of the Act. iii. A tenderer must submit with his/her tender a copy of NCA Certificate of Registration as a Water Works Contractor and a copy of valid NCA contractors annual practicing as a Water Works Contractor license issued by NCA to demonstrate their eligibility. (The NCA certificate will be confirmed from NCA website to confirm registration and if unregistered will lead to disqualification). iv. A tenderer must submit with his/her tender a signed (before Commissioner for oaths) declaration that the tenderer or associate tenderer or subcontractor (if any) is not debarred from participating in procurement proceedings under part xi of the act pursuant to section 55(1) (e). v. A tenderer must submit with his/her tender a signed declaration (before a Commissioner for oaths) that the person/tenderer has not been convicted of corrupt or fraudulent practices pursuant to section 55 (1) (g) of PPADA,2015. vi. A tenderer must submit with his/her tender a signed declaration (before a Commissioner for oaths) that the person/tenderer will not engage in any corrupt or fraudulent practices pursuant to Sec 62 of PPADA, 2015. vii. A tenderer must submit with his/her tender valid and certified (before Commissioner for oaths) Tax Compliance Certificate from Kenya Revenue Authority (KRA) pursuant to section 55 (1) (f) of PPADA, 2015. The procuring entity shall verify the validity of the Tax Compliance Certificate on the KRA'S ITAX portal using TCC CHECKER. viii. A tenderer must submit with his/her tender valid Business Permit indicating where the Business is located. ix. Audited financial statements for the year 2022,2021& 2020
ITT 15.1	Alternative Tenders shall not be considered.
ITT 15.2	Alternative times for completion shall not be permitted.
ITT 15.4	Alternative technical solutions shall not be permitted for the following parts of the Works:

ITT Reference	PARTICULARS OF APPENDIX TO INSTRUCTIONS TO TENDERS
ITT 16.5	The prices quoted by the Tenderer shall be: fixed
ITT 20.1	The Tender validity period shall be 119 days.
ITT 20.3 (a)	<p>(a) The delayed to exceeding N/A number of days.</p> <p>(b) The Tender price shall be adjusted by the following percentages of the tender price:</p> <p>(i) By N/A% of the local currency portion of the Contract price adjusted to reflect local inflation during the period of extension, and</p> <p>(ii) By N/A% the foreign currency portion of the Contract price adjusted to reflect the international inflation during the period of extension.</p>
ITT 21.1	<p>(1) Pursuant to Regulation 45. (1) Mandera Water and Sewerage Company Ltd. requires a tender security as per section 61(1) of the Act, which shall be in the form of: (a) cash; (b) a bank guarantee; (c) a guarantee by an insurance company registered and licensed by the Insurance Regulatory Authority listed by the Authority; or (d) a guarantee issued by a financial institution approved and licensed by the Central Bank of Kenya.</p> <p>(2) A candidate or tenderer shall issue a tender security to guarantee Mandera Water & Sewerage Company Ltd.</p> <p>(3) The amount and currency of the Tender Security shall be Kshs. 1,000,000.00 (Kenya Shillings One Million Only) and must be valid for 30 days after the expiry of tender validity.</p>
ITT 21.2 (d)	The other Tender Security shall be: as ITT 21.1
ITT 21.5	On the Performance Security, other documents required shall be: N/A
ITT 22.1	In addition to the original of the Tender, the number of copies is: <u>One</u>
ITT 22.3	The written confirmation of authorization to sign on behalf of the Tenderer shall consist of: <u>Power of Attorney</u>
D. Submission and Opening of Tenders	
ITT 24.1	<p>(A) For <u>Tender submission purposes only</u>, the Procuring Entity's address is:</p> <p>(1) Name of Procuring Entity: Mandera Water & Sewerage Company Ltd.</p> <p>(2) Postal Address: Attention Chief Executive officer, P. O. Box 341-70300 Mandera</p> <p>(3) Physical address: MANDWASCO Head Office at New County Headquarters, Mandera Town.</p> <p>(4) Date and time for submission of Tenders: 12/03/2024 at 09:00 a.m.</p>

ITT Reference	PARTICULARS OF APPENDIX TO INSTRUCTIONS TO TENDERS
	(5) Tenders shall not submit tenders electronically.
ITT 27.1	<p>The Tender opening shall take place at the time and the address for Opening of Tenders provided below:</p> <p>(1) Name of Procuring Entity: Mandera Water & Sewerage Company Ltd.</p> <p>(2) Postal Address: Attention Supply Chain Manager, P. O. Box 341-70300 Mandera</p> <p>(3) Physical address: MANDWASCO Head Office at New County Headquarters,</p> <p>(4) Date and time for opening of Tenders: 12/03/2024 at 09:05 a.m.</p>
ITT 27.1	If Tenderers are allowed to submit Tenders electronically, they shall follow the electronic tender submission procedures: N/A
ITT 27.6	The number of representatives of the Procuring Entity to sign is Three .
E. Evaluation, and Comparison of Tenders	
ITT 32.3	The adjustment shall be based on the average price of the item or component as quoted in other substantially responsive Tenders. If the price of the item or component cannot be derived from the price of other substantially responsive Tenders, the Procuring Entity shall use its best estimate.
ITT 35.2	The invitation to tender is extended to the following groups that qualify for Reservations The tender is open to all eligible contractors .
ITT 36.1	At this time, the Procuring Entity does not intend to execute certain specific parts of the Works by subcontractors selected in advance.
ITT 36.2	Contractor's may propose subcontracting: Maximum percentage of subcontracting permitted is: 15% of the total contract amount . Tenderers planning to subcontract more than 10% of total volume of work shall specify, in the Form of Tender, the activity (ies) or parts of the Works to be subcontracted along with complete details of the subcontractors and their qualification and experience.
ITT 36.3	N/A
ITT 37.1	Tender evaluation shall be based on YES/NO in stage 1 and rated in stage 2 as detailed in the Section III, Evaluation and Qualification Criteria. Minimum threshold from responsiveness in technical stage shall be 70%.
ITT 37.2 (d)	Additional requirements apply. These are detailed in the evaluation criteria in Section III, Evaluation and Qualification Criteria.
ITT 51.1	Adjudication on disputed matters of contract shall be interpreted and handled by the Mandera County Legal Office as per the clauses of the Contract and where necessary the matter shall be presented before any Law Court of Kenya.

ITT Reference	PARTICULARS OF APPENDIX TO INSTRUCTIONS TO TENDERS
	Current Regulations for the Advocates Remuneration and Fees (e.g. Fees for Restoration to the Roll) by the Government of Kenya shall apply.
ITT 52.2	Other documents required are: Revised Work Plan and CVs of Site Personnel.
ITT 54.1	<p>The procedures for making a Procurement-related Complaints are detailed in the “Regulations” available from the PPRA Website www.ppra.go.ke or email complaints@ppra.go.ke. If a Tenderer wishes to make a Procurement-related Complaint, the Tenderer should submit its complaint following these procedures, in writing (by the quickest means available, that is either by hand delivery or email to:</p> <p>For the attention: Mr. Kassim Haji Abdinoor</p> <p>Title/position: Chief Executive Officer</p> <p>Procuring Entity: Mandera Water and Sewerage Company Ltd</p> <p>Email address: info@manderawater.co.ke / Mandawasco@gmail.com</p> <p>In summary, a Procurement-related Complaint may challenge any of the following:</p> <p>(i) the terms of the Tender Documents; and</p> <p>(ii) the Procuring Entity’s decision to award the contract.</p>

SECTION III - EVALUATION AND QUALIFICATION CRITERIA

A. Evaluation and Contract Award Criteria

The Procuring Entity shall use the criteria and methodologies listed in this Section to evaluate tenders and arrive at the Lowest Evaluated Tender. The tender that (i) meets the qualification criteria, (ii) has been determined to be substantially responsive to the Tender Documents, and (iii) is determined to have the Lowest Evaluated Tender price shall be selected for award of contract.

General notes to the tenderers: any detectable misrepresentation of facts in form of forgery, alteration, date inconsistencies and falsification of documents shall lead to disqualification of tenderers. Documents with glaring misrepresentation of facts shall NOT in any way be considered as evidence for evaluation purposes.

Stage 1 (a) Preliminary Examination for Determination of Responsiveness and Eligibility

In this stage, **Mandera Water and Sewerage Company Ltd.** will examine all tenders to ensure they meet in all respects the eligibility criteria and other requirements in the ITT, and that the tender is complete in all aspects in meeting the requirements of “Part 2 – Procuring Entity's Works Requirements”, including checking for tenders with unacceptable errors, abnormally low tenders, abnormally high tenders and tenders that are front loaded. Tenders that do not meet **all requirements** at the Preliminary Examination will be considered irresponsive and will not be considered for further Evaluation. The assessment will be based on the following questions?

Q1. Has the tenderer complied with all the eligibility requirements by completing all relevant Forms in the Tender Document as indicated below? (YES/NO)

1	2	3	4	5
Item No.	Subject	Particular Requirement	Document To be Completed or attached by Tenderer	For Procuring Entity's Use (Qualification Met or Not Met)
PE-1.	Nationality and Status of Company Registration and Ownership	Nationality is indicated in accordance with ITT 3.6. Tenderer is also registered and owned (i.e. CR12) pursuant to Section 55(1) (a) of the Act.	Forms ELI – 1.1 and Attachments: Certified copies of Certificate of Registration and CR12	
PE-2.	Tax Obligations for Kenyan Tenderers	Has produced a current Tax Clearance/Compliance Certificate or Tax Exemption Certificate issued by the Kenya Revenue Authority in accordance with ITT 3.14	Form of Tender and Attachments: Certified copy of Tax Compliance Certificate	
PE-3.	Conflict of Interest	No conflicts of interest in accordance with ITT 3.3	Form of Tender (Confidential Business Questionnaire) Part (e) i & ii	
PE-4.	PPRA Eligibility	Not having been declared ineligible by the PPRA, as described in ITT 3.8	Form of Tender Item 5(xiii)	
PE-5.	History of Non-Performing Contracts	Non-performance of a contract ¹ did not occur as a result of contractor default since 1st January 2020	Form CON-2	
PE-6.	Pending Litigation	Tender's financial position and prospective long term profitability sound according to criteria established in 3.1 assuming that all pending litigation will NOT be resolved against the Tenderer	Form CON – 2	
PE-7.	Litigation History	No consistent history of court/arbitral award decisions against the Tenderer since 1st January 2020	Form CON – 2	
PE-8.	Signed Declaration (before a commissioner for oaths) that the person/tenderer has not been convicted of corrupt or fraudulent practices	A tenderer has submitted with his/her tender a signed declaration that the person/tenderer has not been convicted of corrupt or fraudulent practices pursuant to section 55 (1) (g) of PPADA,2015.	Firm of Tender Part C. Form SD1	

1	2	3	4	5
Item No.	Subject	Particular Requirement	Document To be Completed or attached by Tenderer	For Procuring Entity's Use (Qualification Met or Not Met)
PE-9.	Signed Declaration (before a commissioner for oaths) that the person/tenderer will not engage in any corrupt or fraudulent practices.	A tenderer has submitted with his/her tender a signed declaration (before a commissioner for oaths) that the person/tenderer will not engage in any corrupt or fraudulent practices pursuant to Sec 62 of PPADA, 2015.	Firm of Tender Part C. Form SD2	

Q.2 Has the tender has been submitted in the required format and serialized (YES/NO)

Q.3 Has the tenderer submitted any tender security in the required form, amount and validity period? (YES/NO)

Q.4 Has the tender has been duly signed by the person lawfully authorized to do so through the power of attorney? (YES/NO)

Q.5 Are the required number of copies of the tender submitted? (YES/NO)

Q.6 Is the tender valid for the period required? (YES/NO)

Q.7 The tenderer has submitted a valid Business Permit stating where the business premise is located. (YES/NO)

Q.8 Is the contractor registered with National Construction Authority as required and has a Certificate of Registration as a Water Works Contractor? (The NCA certificate to be validated from NCA website to confirm registration).

Stage 1(b): Detailed Examination of Tenders

Only those tenders surviving preliminary examination need to be examined in this phase.

a) Corrections for Errors

The methodology for correction of computational errors is described in the ITT. The read-out tender prices and their corrections should be noted in Table 7. The corrections are considered binding on the tenderer. Unusual or large corrections that could affect the comparative ranking of tenders should be explained in footnotes.

Provided that the Tender is substantially responsive, the Procuring Entity shall handle errors on the following basis:

- i) Any error detected if considered a major deviation that affects the substance of the tender, shall lead to disqualification of the tender as non-responsive.
- ii) Any errors in the submitted tender arising from a miscalculation of unit price, quantity,

subtotal and total bid price shall be considered as a major deviation that affects the substance of the tender and shall lead to disqualification of the tender as non-responsive. and

- iii) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail.

b) Corrections for Provisional Sums

Tenders may contain provisional sums for contingencies or for nominated subcontractors, etc. set by the Procuring Entity. As these sums are the same for all tenders, they should be subtracted from the read-out prices in Table 7, to allow for a proper comparison of tenders in subsequent steps. However, those provisional sums set aside for Day work, where priced competitively, should not be included in the deductions.

Stage 2: Technical Qualification Stage

Tenders will be evaluated to ensure that they are substantially responsive to the technical specifications and contract conditions stated in the Tender Document. The determination of a tender’s technical responsiveness will be based on the contents of the tender itself, subject to any clarifications received in the preliminary examination of Tenders. Items of this evaluation will be rated. Assessment at this stage will be on the basis of Met/Not met criteria.

No.	Qualification Requirement	Technical parameter of assessment	Comments
1.	Show proof of experience under works contracts in the role of prime contractor, JV member, sub-contractor, or management contractor for at least the last 3 years by way of completing Form EXP – 4.1 and Form EXP 4.2(a) and attaching authentic copies of reference letters and interim/completion certificates.	Contractors experience in works contracts	
		1.1 Value of related water works handled in Kshs.	
		Show proof of three projects of equal or higher value in the last three years. OR	Met/Not met
		1.2 Nature, scope and specificity of water works handled	
		Show proof of three projects of similar nature as per this scope of works OR	Met/Not met
2.	Show proof of qualifications and experience of key personnel proposed for specified roles in the administration and execution of the contract both on and off site in line with the works requirements by attaching CVs and copies of academic certificates	Technical Personnel	
		Notes on personnel required: <ul style="list-style-type: none"> 1. The persons must be working with the organization or sign an undertaking to work with the firm by the time of submitting this tender. 2. All the proposed personnel must have relevant engineering qualifications and must have worked for 8 years for a Project Manager and 4 years for others positions. 3. Each of the 3 personnel will be evaluated as follows: 	

No.	Qualification Requirement	Technical parameter of assessment		Comments
	(certified by commissioner for oath) detailing qualifications in the format indicated in FORM PER - 1 and declared in FORM PER - 2	Project Manager	Technical qualification: BSc. Civil Engineering or equivalent Registered with Engineers Board of Kenya (EBK) or equivalent Experience Experience in years Registration with Professional Body Registration with relevant professional body	Met/Not met
		Site Agent	Technical qualification: BSc. Civil Engineering or equivalent Registered with Engineers Board of Kenya (EBK) or equivalent Experience Experience in years Registration with Professional Body Registration with relevant professional body	Met/Not met
		Surveyor	Technical qualification: BSc. Surveying or Higher National Diploma or equivalent Experience Experience in years Registration with Professional Body Registration with relevant professional body	Met/Not met
		Sociologist	Technical qualification: Degree in Sociology / Community Development or equivalent Experience Experience in years Registration with Professional Body Registration with relevant professional body	Met/Not met
		Foreman	Technical qualification: Diploma in Civil Engineering / Building Construction or equivalent Experience Experience in years Registration with Professional Body Registration with relevant professional body	Met/Not met

No.	Qualification Requirement	Technical parameter of assessment	Comments
3.	Show proof of ownership/lease demonstrating clearly that the tenderer has the capability to meet the requirements for the key equipment required. A separate Form shall be prepared for each item of equipment listed, or for alternative equipment proposed by the Tenderer in FORM EQUIP	<p>Plant and Equipment</p> <p>Showing evidence of ownership Owned/Leased</p> <p>The required equipment shall include:</p> <ol style="list-style-type: none"> 1. Excavator with 0.75m³ Bucket & 1.5 Tonne Hammer 2. Back Hoe Excavators 3. 7 / 10 / 15-ton Tipper Lorries 4. Pick-Ups – 1 Ton 5. Compressors (5,000 l/min) 6. Total Station (for Surveying Works) 7. Hydraulic Butt Fusion Machine for HDPE pipes (DN110mm-250mm) 8. Electro-fusion jointing machine for HDPE pipes (DN32mm-90mm) 9. Portable De-Watering Pumps 2No. 10. Mechanical Pressure Testing Equipment (for Pipelines up to PN16) 11. Generator – 15 kVA 12. Concrete Mixers – capacity 0.3m³ 13. Concrete Poker Vibrators (25mm – 45mm) <p>Note: Private lease must be supported with evidences of ownership by lessor.</p>	Met/Not met
4.	Financial Capabilities		
(i)	Demonstration that the tenderer has cash flow requirements estimated equivalent for the subject contract(s) as captured in Form FIN – 3.1 , with attachments such as Letter of Credit from Tenderer Banker which must be addressed to the Procuring Entity	<p>Demonstration that the tenderer has access to, or has available, liquid assets, unencumbered real assets, lines of credit, and other financial means (independent of any contractual advance payment) sufficient to meet the construction cash flow requirements estimated as Kenya Shillings 47,000,000.00(Forty-Seven Million) equivalent for the subject contract(s) net of the Tenderer’s other commitments:</p> <ol style="list-style-type: none"> 1. Cash flow trend shown in Form FIN – 3.1 (4.4.1 Financial Data) starting with 2020 as year 1 and 2022 as year 3 2. Letter of Credit from Tenderer Banker which must be addressed to the Procuring/Proof of real assets/other financial means 	Met/Not met
(ii)	Proof of audited balance sheets or other financial statements acceptable to the Procuring Entity, for the last 3 years to demonstrate the current soundness of the Tenderer’s financial position.	<p>Attach Certified Financial statements for 2020, 2021 and 2022 as below:</p> <ol style="list-style-type: none"> (b) be independently audited or certified in accordance with local legislation. (c) be complete, including all notes to the financial statements. (d) correspond to accounting periods already completed and audited. 	Met/Not met
(iii)	Average Annual	Minimum average annual construction turnover of	Met/Not met

No.	Qualification Requirement	Technical parameter of assessment	Comments
	Construction Turnover as completed in FORM FIN – 3.2	Kenya Shillings 100,000,000 (Kenya Shillings One Hundred Million), equivalent calculated as total certified payments received for contracts in progress and completed within the last 3 years. (2020, 2021 and 2022)	
5.	Adequately prepared Work Plan and Methodology in response to the work requirements as detailed in the Bills of Quantities.	Provide clear description along these particulars: a) Indication implementation activities plus respective timeline schedule for each scope in a tabulated or Gantt-chart format b) Methodology on site organization, mobilization, safety, cross cutting issues and other social aspects during the construction period	Met/Not met
		TOTAL	Responsive/ Non-responsive

Tenders that do not meet **all requirements** at the technical evaluation stage will be considered irresponsible and will not be considered for further evaluation.

Stage 3: Financial Evaluation Stage

The Procuring Entity shall compare the evaluated costs of all substantially responsive Tenders established in accordance with ITT 38.2 to determine the Tender that has the lowest evaluated cost. **Abnormally Low Tenders** and **Abnormally High Tenders** will be dealt with according to the provisions in ITT 39 and ITT 40 of the Tender Document respectively.

B: Contract Award Criteria

Subject to ITT 45 and pursuant to ITT 45.1, Procuring Entity shall award the Contract to the bidder whose offer was determined to be the lowest evaluated bid and substantially responsive to the Bid Document, provided further that the Bidder was determined to be qualified to perform the Contract satisfactorily.

C: Due Diligence

(a) The lowest evaluated tenderer shall be subjected to due diligence based on the documents submitted under **ITT 13.1** and support documents on pass-fail basis.

(b) If the lowest evaluated bidder fails after the conduct of due diligence, the Evaluation Committee shall prepare the due diligence report to that effect and the bid rejected as non-responsive.

(c) In that event, the second lowest bidder shall be subjected to the due diligence based on the forms submitted under **ITT 13.1** and bid documents on pass-fail basis. The process shall be repeated until a suitably qualified bidder that passes the due diligence is determined and selected for award of the contract.

(d) Where for any reasons the lowest bidder recommended for award of contract declines in writing to accept the award or fails to furnish the required performance security within the given timelines; the award shall be revoked, and the next ranked bidder shall be subjected to due diligence, and if found suitable, recommended for award of the *contract* within the bid Validity period.

QUALIFICATION FORMS

1. FORMEQU: EQUIPMENT

The Tenderer shall provide adequate information to demonstrate clearly that it has the capability to meet the requirements for the key equipment listed in Section III, Evaluation and Qualification Criteria. A separate Form shall be prepared for each item of equipment listed, or for alternative equipment proposed by the Tenderer.

Item of equipment		
Equipment information	Name of manufacturer	Model and power rating
	Capacity	Year of manufacture
Current status	Current location	
	Details of current commitments	
Source	Indicate source of the equipment <input type="checkbox"/> Owned <input type="checkbox"/> Rented <input type="checkbox"/> Leased <input type="checkbox"/> Specially manufactured	

Omit the following information for equipment owned by the Tenderer.

Owner	Name of owner	
	Address of owner	
	Telephone	Contact name and title
	Fax	Telex
Agreements	Details of rental / lease / manufacture agreements specific to the project	

2. FORM PER-1

Contractor's Representative and Key Personnel Schedule

Tenderers should provide the names and details of the suitably qualified Contractor's Representative and Key Personnel to perform the Contract. The data on their experience should be supplied using the Form PER-2 below for each candidate.

Contractor' Representative and Key Personnel

1.	Title of position: Project Manager	
	Name of candidate:	
	Duration of appointment:	<i>[insert the whole period (start and end dates) for which this position will be engaged]</i>
	Time commitment for this position:	<i>[insert the number of days/week/months/ that has been scheduled for this position]</i>
	Expected time schedule for this position:	<i>[insert the expected time schedule for this position (e.g. attach high level Gantt chart)]</i>
2.	Title of position: Site Agent	
	Name of candidate:	
	Duration of appointment:	<i>[insert the whole period (start and end dates) for which this position will be engaged]</i>
	Time commitment for this position:	<i>[insert the number of days/week/months/ that has been scheduled for this position]</i>
	Expected time schedule for this position:	<i>[insert the expected time schedule for this position (e.g. attach high level Gantt chart)]</i>
3.	Title of position: Surveyor	
	Name of candidate:	
	Duration of appointment:	<i>[insert the whole period (start and end dates) for which this position will be engaged]</i>
	Time commitment for this position:	<i>[insert the number of days/week/months/ that has been scheduled for this position]</i>
	Expected time schedule for this position:	<i>[insert the expected time schedule for this position (e.g. attach high level Gantt chart)]</i>
4.	Title of position: Environmental Specialist	
	Name of candidate:	
	Duration of appointment:	<i>[insert the whole period (start and end dates) for which this position will be engaged]</i>
	Time commitment for this position:	<i>[insert the number of days/week/months/ that has been scheduled for this position]</i>
	Expected time schedule for this position:	<i>[insert the expected time schedule for this position (e.g. attach high level Gantt chart)]</i>
5.	Title of position: Sociologist	
	Name of candidate	
	Duration of appointment:	<i>[insert the whole period (start and end dates) for which this position will be engaged]</i>
	Time commitment for this position:	<i>[insert the number of days/week/months/ that has been scheduled for this position]</i>
	Expected time schedule for this position:	<i>[insert the expected time schedule for this position (e.g. attach high level Gantt chart)]</i>
6.	Title of position: Health & Safety Specialist	
	Name of candidate:	

	Duration of appointment:	<i>[insert the whole period (start and end dates) for which this position will be engaged]</i>
	Time commitment for this position:	<i>[insert the number of days/week/months/ that has been scheduled for this position]</i>
	Expected time schedule for this position:	<i>[insert the expected time schedule for this position (e.g. attach high level Gantt chart)]</i>
7.	Title of position: Foreman	
	Name of candidate	
	Duration of appointment:	<i>[insert the whole period (start and end dates) for which this position will be engaged]</i>
	Time commitment for this position:	<i>[insert the number of days/week/months/ that has been scheduled for this position]</i>
	Expected time schedule for this position:	<i>[insert the expected time schedule for this position (e.g. attach high level Gantt chart)]</i>

3. FORM PER-2:

Resume and Declaration - Contractor's Representative and Key Personnel.

Summarize professional experience in reverse chronological order. Indicate particular technical and managerial experience relevant to the project.

Name of Tenderer

Position [#1]: <i>[title of position from Form PER-1]</i>		
Personnel information	Name:	Date of birth:
	Address:	E-mail:
	Professional qualifications:	
	Academic qualifications:	
	Language proficiency: <i>[language and levels of speaking, reading and writing skills]</i>	
Details	Address of Procuring Entity:	
	Telephone:	Contact (manager / personnel officer):
	Fax:	
	Job title:	Years with present Procuring Entity:

Summarize professional experience in reverse chronological order. Indicate particular technical and managerial experience relevant to the project.

Project	Role	Duration of involvement	Relevant experience
<i>[main project details]</i>	<i>[role and responsibilities on the project]</i>	<i>[time in role]</i>	<i>[describe the experience relevant to this position]</i>

Declaration

I, the undersigned [*insert either "Contractor's Representative" or "Key Personnel" as applicable*], certify that to the best of my knowledge and belief, the information contained in this Form PER-2 correctly describes myself, my qualifications and my experience.

I confirm that I am available as certified in the following table and throughout the expected time schedule for this position as provided in the Tender:

Commitment	Details
Commitment to duration of contract:	<i>[insert period (start and end dates) for which this Contractor's Representative or Key Personnel is available to work on this contract]</i>
Time commitment:	<i>[insert period (start and end dates) for which this Contractor's Representative or Key Personnel is available to work on this contract]</i>

I understand that any misrepresentation or omission in this Form may:

- a) be taken into consideration during Tender evaluation;
- b) result in my disqualification from participating in the Tender;
- c) result in my dismissal from the contract.

Name of Contractor's Representative or Key Personnel: [*insert name*]

Signature: _____

Date: (day month year): _____ Countersignature

of authorized representative of the Tenderer:

Signature: _____ Date: (day month

year): _____

4. TENDERER'S QUALIFICATION WITHOUT PRE-QUALIFICATION

To establish its qualifications to perform the contract in accordance with Section III, Evaluation and Qualification Criteria the Tenderer shall provide the information requested in the corresponding Information Sheets included hereunder.

4.1 FORM ELI -1.1

Tenderer Information Form

Date: _____

ITT No. and title: _____

Tenderer's name
In case of Joint Venture (JV), name of each member:
Tenderer's actual or intended country of registration: <i>[indicate country of Constitution]</i>
Tenderer's actual or intended year of incorporation:
Tenderer's legal address [in country of registration]:
Tenderer's authorized representative information Name: _____ Address: _____ Telephone/Fax numbers: _____ E-mail address: _____
1. Attached are copies of original documents of <input type="checkbox"/> Articles of Incorporation (or equivalent documents of constitution or association), and/or documents of registration of the legal entity named above, in accordance with ITT 3.6 <input type="checkbox"/> In case of JV, letter of intent to form JV or JV agreement, in accordance with ITT 3.5 <input type="checkbox"/> In case of state-owned enterprise or institution, in accordance with ITT 3.8, documents establishing: <ul style="list-style-type: none">• Legal and financial autonomy• Operation under commercial law• Establishing that the Tenderer is not under the supervision of the Procuring Entity
2. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.

4.2 FORM ELI -1.2

Tenderer's JV Information Form (to be completed for each member of Tenderer's JV)

Date: _____

ITT No. and title: _____

Tenderer's JV name:
JV member's name:
JV member's country of registration:
JV member's year of constitution:
JV member's legal address in country of constitution:
JV member's authorized representative information Name: _____ Address: _____ Telephone/Fax numbers: _____ E-mail address: _____
<p>1. Attached are copies of original documents of</p> <p><input type="checkbox"/> Articles of Incorporation (or equivalent documents of constitution or association), and/or registration documents of the legal entity named above, in accordance with ITT 3.6.</p> <p><input type="checkbox"/> In case of a state-owned enterprise or institution, documents establishing legal and financial autonomy, operation in accordance with commercial law, and that they are not under the supervision of the Procuring Entity, in accordance with ITT 3.8.</p> <p>2. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.</p>

4.3 FORM CON – 2

Historical Contract Non-Performance, Pending Litigation and Litigation History

Tenderer's Name: _____

Date: _____

JV Member's Name _____

ITT No. and title: _____

Non-Performed Contracts in accordance with Section III, Evaluation and Qualification Criteria			
<input type="checkbox"/> Contract non-performance did not occur since 1 st January <i>[insert year]</i> specified in Section III, Evaluation and Qualification Criteria, Sub-Factor 2.1.			
<input type="checkbox"/> Contract(s) not performed since 1 st January <i>[insert year]</i> specified in Section III, Evaluation and Qualification Criteria, requirement 2.1			
Year	Non-performed portion of contract	Contract Identification	Total Contract Amount (current value, currency, exchange rate and Kenya Shilling equivalent)
<i>[insert year]</i>	<i>[insert amount and percentage]</i>	Contract Identification: <i>[indicate complete contract name/ number, and any other identification]</i> Name of Procuring Entity: <i>[insert full name]</i> Address of Procuring Entity: <i>[insert street/city/country]</i> Reason(s) for nonperformance: <i>[indicate main reason(s)]</i>	<i>[insert amount]</i>
Pending Litigation, in accordance with Section III, Evaluation and Qualification Criteria			
<input type="checkbox"/> No pending litigation in accordance with Section III, Evaluation and Qualification Criteria, Sub-Factor 2.3.			
<input type="checkbox"/> Pending litigation in accordance with Section III, Evaluation and Qualification Criteria, Sub-Factor 2.3 as indicated below.			

Year of dispute	Amount in dispute (currency)	Contract Identification	Total Contract Amount (currency), Kenya Shilling Equivalent (exchange rate)
		Contract Identification: _____ Name of Procuring Entity: _____ Address of Procuring Entity: _____ Matter in dispute: _____ Party who initiated the dispute: _____ Status of dispute: _____	
		Contract Identification: _____ Name of Procuring Entity: _____ Address of Procuring Entity: _____ Matter in dispute: _____ Party who initiated the dispute: _____ Status of dispute: _____	

Litigation History in accordance with Section III, Evaluation and Qualification Criteria			
<input type="checkbox"/> No Litigation History in accordance with Section III, Evaluation and Qualification Criteria, Sub-Factor 2.4. <input type="checkbox"/> Litigation History in accordance with Section III, Evaluation and Qualification Criteria, Sub-Factor 2.4 as indicated below.			
Year of award	Outcome as percentage of Net Worth	Contract Identification	Total Contract Amount (currency), Kenya Shilling Equivalent (exchange rate)
<i>[insert year]</i>	<i>[insert percentage]</i>	Contract Identification: <i>[indicate complete contract name, number, and any other identification]</i> Name of Procuring Entity: <i>[insert full name]</i> Address of Procuring Entity: <i>[insert street/city/country]</i> Matter in dispute: <i>[indicate main issues in dispute]</i> Party who initiated the dispute: <i>[indicate "Procuring Entity" or "Contractor"]</i> Reason(s) for Litigation and award decision <i>[indicate main reason(s)]</i>	<i>[insert amount]</i>

4.4 FORM FIN – 3.1:

Financial Situation and Performance

Tenderer's Name: _____
 Date: _____
 JV Member's Name _____
 ITT No. and title: _____

4.4.1. Financial Data

Type of Financial information in _____ (currency)	Historic information for previous _____ years, _____ (amount in currency, currency, exchange rate*, USD equivalent)				
	Year 1	Year 2	Year 3	Year 4	Year 5
Statement of Financial Position (Information from Balance Sheet)					
Total Assets (TA)					
Total Liabilities (TL)					
Total Equity/Net Worth (NW)					
Current Assets (CA)					

Type of Financial information in _____ (currency)	Historic information for previous _____ years, _____ (amount in currency, currency, exchange rate*, USD equivalent)				
	Year 1	Year 2	Year 3	Year 4	Year 5
Current Liabilities (CL)					
Working Capital (WC)					
Information from Income Statement					
Total Revenue (TR)					
Profits Before Taxes (PBT)					
Cash Flow Information					
Cash Flow from Operating Activities					

*Refer to ITT 15 for the exchange rate

4.4.2 Sources of Finance

Specify sources of finance to meet the cash flow requirements on works currently in progress and for future contract commitments.

No.	Source of finance	Amount (Kenya Shilling equivalent)
1		
2		
3		

4.4.3 Financial documents

The Tenderer and its parties shall provide copies of financial statements for _____ years pursuant Section III, Evaluation and Qualifications Criteria, Sub-factor 3.1. The financial statements shall:

- (a) reflect the financial situation of the Tenderer or in case of JV member, and not an affiliated entity (such as parent company or group member).
 - (b) be independently audited or certified in accordance with local legislation.
 - (c) be complete, including all notes to the financial statements.
 - (d) correspond to accounting periods already completed and audited.
- Attached are copies of financial statements² for the _____ years required above; and complying with the requirements

² If the most recent set of financial statements is for a period earlier than 12 months from the date of Tender, the reason for this should be justified.

4.5 FORM FIN – 3.2:

Average Annual Construction Turnover

Tenderer’s Name: _____

Date: _____

JV Member’s Name _____

ITT No. and title: _____

Annual turnover data (construction only)			
Year	Amount Currency	Exchange rate	Kenya Shilling equivalent
<i>[indicate year]</i>	<i>[insert amount and indicate currency]</i>		
Average Annual Construction Turnover *			

* See Section III, Evaluation and Qualification Criteria, Sub-Factor 3.2.

4.6 FORM FIN – 3.3:

Financial Resources

Specify proposed sources of financing, such as liquid assets, unencumbered real assets, lines of credit, and other financial means, net of current commitments, available to meet the total construction cash flow demands of the subject contract or contracts as specified in Section III, Evaluation and Qualification Criteria

Financial Resources		
No.	Source of financing	Amount (Kenya Shilling equivalent)
1		
2		
3		

4.7 FORM FIN – 3.4:

Current Contract Commitments / Works in Progress

Tenderers and each member to a JV should provide information on their current commitments on all contracts that have been awarded, or for which a letter of intent or acceptance has been received, or for contracts approaching completion, but for which an unqualified, full completion certificate has yet to be issued.

Current Contract Commitments					
	Name of Contract	Procuring Entity's Contact Address, Tel,	Value of Outstanding Work [Current Kenya Shilling /month Equivalent]	Estimated Completion Date	Average Monthly Invoicing Over Last Six Months [Kenya Shilling /month]
1					
2					
3					
4					
5					

4.8 FORM EXP - 4.1

General Construction Experience

Tenderer's Name: _____

Date: _____

JV Member's Name _____

ITT No. and title: _____

Page _____ of _____ pages

Starting Year	Ending Year	Contract Identification	Role of Tenderer
		Contract name: _____ Brief Description of the Works performed by the Tenderer: _____ Amount of contract: _____ Name of Procuring Entity: _____ Address: _____	
		Contract name: _____ Brief Description of the Works performed by the Tenderer: _____ Amount of contract: _____ Name of Procuring Entity: _____ Address: _____	
		Contract name: _____ Brief Description of the Works performed by the Tenderer: _____ Amount of contract: _____ Name of Procuring Entity: _____ Address: _____	

4.9 FORM EXP - 4.2(a)**Specific Construction and Contract Management Experience**

Tenderer's Name: _____

Date: _____

JV Member's Name _____

ITT No. and title: _____

Similar Contract No.	Information			
Contract Identification				
Award date				
Completion date				
Role in Contract	Prime Contractor <input type="checkbox"/>	Member in JV <input type="checkbox"/>	Management Contractor <input type="checkbox"/>	Sub-contractor <input type="checkbox"/>
Total Contract Amount	Kenya Shilling			
If member in a JV or sub-contractor, specify participation in total Contract amount				
Procuring Entity's Name:				
Address:				
Telephone/fax number				
E-mail:				

4.10 FORM EXP - 4.2 (a) (cont.)**Specific Construction and Contract Management Experience (cont.)**

Similar Contract No.	Information
Description of the similarity in accordance with Sub-Factor 4.2(a) of Section III:	
1. Amount	
2. Physical size of required works items	
3. Complexity	
4. Methods/Technology	
5. Construction rate for key activities	
6. Other Characteristics	

4.11 FORM EXP - 4.2(b)

Construction Experience in Key Activities

Tenderer's Name: _____

Date: _____

Tenderer's JV Member Name: _____

Sub-contractor's Name³ (as per ITT 34): _____

ITT No. and title: _____

All Sub-contractors for key activities must complete the information in this form as per ITT 34 and Section III, Evaluation and Qualification Criteria, Sub-Factor 4.2.

1. Key Activity No One: _

Information				
Contract Identification				
Award date				
Completion date				
Role in Contract	Prime Contractor <input type="checkbox"/>	Member in JV <input type="checkbox"/>	Management Contractor <input type="checkbox"/>	Sub-contractor <input type="checkbox"/>
Total Contract Amount	Kenya Shilling			
Quantity (Volume, number or rate of production, as applicable) performed under the contract per year or part of the year	Total quantity in the contract (i)	Percentage participation (ii)		Actual Quantity Performed (i) x (ii)
Year 1				
Year 2				
Year 3				
Year 4				
Procuring Entity's Name:				
Address: Telephone/fax number E-mail:				

³ If applicable

	Information
Description of the key activities in accordance with Sub-Factor 4.2(b) of Section III:	

2. Activity No. Two

3.

OTHER FORMS

5. FORM OF TENDER

INSTRUCTIONS TO TENDERERS

- i) *The Tenderer must prepare this Form of Tender on stationery with its letterhead clearly showing the Tenderer's complete name and business address.*
- ii) *All italicized text is to help Tenderer in preparing this form.*
- iii) *Tenderer must complete and sign CERTIFICATE OF INDEPENDENT TENDER DETERMINATION and the SELF DECLARATION OF THE TENDERER attached to this Form of Tender.*
- iv) *The Form of Tender shall include the following Forms duly completed and signed by the Tenderer.*
 - *Tenderer's Eligibility- Confidential Business Questionnaire*
 - *Certificate of Independent Tender Determination*
 - *Self-Declaration of the Tenderer*

Date of this Tender submission: *[insert date (as day, month and year) of Tender submission]*

Request for Tender No.: *[insert identification]*

Name and description of Tender *[Insert as per ITT)*

Alternative No.: *[insert identification No if this is a Tender for an alternative]*

To: *[insert complete name of Procuring Entity]* Dear Sirs,

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 and complete the Works and remedy any defects therein for the sum of Kenya Shillings *[[Amount in figures]*_____ Kenya Shillings *[amount in words]*_____.

The above amount includes foreign currency amount (s) of *[state figure or a percentage and currency]* *[figures]*_____ *[words]*_____.

The percentage or amount quoted above does not include provisional sums, and only allows not more than two foreign currencies.

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 Special Conditions of Contract.
3. We agree to adhere 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. We further understand that you are not bound to accept the lowest or any tender you may receive.
5. We, the undersigned, further declare that:
 - i) No reservations: We have examined and have no reservations to the tender document, including Addenda issued in accordance with ITT 28;
 - ii) Eligibility: We meet the eligibility requirements and have no conflict of interest in accordance with ITT 3 and 4;
 - iii) Tender-Securing Declaration: We have not been suspended nor declared ineligible by the Procuring Entity

based on execution of a Tender-Securing or Proposal-Securing Declaration in the Procuring Entity's Country in accordance with ITT 19.8;

- iv) Conformity: We offer to execute in conformity with the tendering documents and in accordance with the implementation and completion specified in the construction schedule, the following Works: *[insert a brief description of the Works]*;

v) Tender Price: The total price of our Tender, excluding any discounts offered in item 1 above is: *[Insert one of the options below as appropriate]*

vi Option 1, in case of one lot: Total price is: *[insert the total price of the Tender in words and figures, indicating the various amounts and the respective currencies]*; Or

Option 2, in case of multiple lots:

a) Total price of each lot *[insert the total price of each lot in words and figures, indicating the various amounts and the respective currencies]*; and

b) Total price of all lots (sum of all lots) *[insert the total price of all lots in words and figures, indicating the various amounts and the respective currencies]*;

vii) Discounts: The discounts offered and the methodology for their application are:

viii) The discounts offered are: *[Specify in detail each discount offered.]*

ix) The exact method of calculations to determine the net price after application of discounts is shown below: *[Specify in detail the method that shall be used to apply the discounts]*;

x) Tender Validity Period: Our Tender shall be valid for the period specified in TDS 18.1 (as amended, if applicable) from the date fixed for the Tender submission deadline specified in TDS 22.1 (as amended, if applicable), and it shall remain binding upon us and may be accepted at any time before the expiration of that period;

xi) Performance Security: If our Tender is accepted, we commit to obtain a Performance Security in accordance with the Tendering document;

xii) One Tender Per Tender: We are not submitting any other Tender(s) as an individual Tender, and we are not participating in any other Tender(s) as a Joint Venture member or as a subcontractor, and meet the requirements of ITT 3.4, other than alternative Tenders submitted in accordance with ITT 13.3;

xiii) Suspension and Debarment: We, along with any of our subcontractors, suppliers, Project Manager, manufacturers, or service providers for any part of the contract, are not subject to, and not controlled by any entity or individual that is subject to, a temporary suspension or a debarment imposed by the Public Procurement Regulatory Authority or any other entity of the Government of Kenya, or any international organization.

xiv) State-owned enterprise or institution: *[select the appropriate option and delete the other]* *[We are not a state-owned enterprise or institution]* / *[We are a state-owned enterprise or institution but meet the requirements of ITT 3.8]*;

xv) Commissions, gratuities, fees: We have paid, or will pay the following commissions, gratuities, or fees with respect to the tender process or execution of the Contract: *[insert complete name of each Recipient, its full address, the reason for which each commission or gratuity was paid and the amount and currency of each such commission or gratuity]*.

Name of Recipient	Address	Reason	Amount

(If none has been paid or is to be paid, indicate “none.”)

xvi) Binding Contract: We understand that this Tender, together with your written acceptance thereof included in your Letter of Acceptance, shall constitute a binding contract between us, until a formal contract is prepared and executed;

xvii) Not Bound to Accept: We understand that you are not bound to accept the lowest evaluated cost Tender, the Most Advantageous Tender or any other Tender that you may receive;

xviii) Fraud and Corruption: We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf engages in any type of Fraud and Corruption;

- xix) Collusive practices: We hereby certify and confirm that the tender is genuine, non-collusive and made with the intention of accepting the contract if awarded. To this effect we have signed the “Certificate of Independent Tender Determination” attached below.
- xx) We undertake to adhere by the Code of Ethics for Persons Participating in Public Procurement and Asset Disposal, copy available from _____ (*specify website*) during the procurement process and the execution of any resulting contract.
- xxi) We, the Tenderer, have completed fully and signed the following Forms as part of our Tender:
- a) Tenderer's Eligibility; Confidential Business Questionnaire – to establish we are not in any conflict to interest.
 - b) Certificate of Independent Tender Determination – to declare that we completed the tender without colluding with other tenderers.
 - c) Self-Declaration of the Tenderer – to declare that we will, if awarded a contract, not engage in any form of fraud and corruption.
 - d) Declaration and commitment to the Code of Ethics for Persons Participating in Public Procurement and Asset Disposal

Further, we confirm that we have read and understood the full content and scope of fraud and corruption as informed in “**Appendix 1- Fraud and Corruption**” attached to the Form of Tender.

Name of the Tenderer: *[*insert complete name of person signing the Tender*]

Name of the person duly authorized to sign the Tender on behalf of the Tenderer: **[*insert complete name of person duly authorized to sign the Tender*]

Title of the person signing the Tender: [*insert complete title of the person signing the Tender*]

Signature of the person named above: [*insert signature of person whose name and capacity are shown above*] **Date signed** [*insert date of signing*] day of [*insert month*], [*insert year*]

Date signed _____ day of _____, _____

Notes

* *In the case of the Tender submitted by joint venture specify the name of the Joint Venture as Tenderer*

** *Person signing the Tender shall have the power of attorney given by the Tenderer to be attached with the Tender.*

A. TENDERER'S ELIGIBILITY- CONFIDENTIAL BUSINESS QUESTIONNAIRE

Instruction to Tenderer

Tender is instructed to complete the particulars required in this Form, *one form for each entity if Tender is a JV*. Tenderer is further reminded that it is an offence to give false information on this Form.

(a) Tenderer's details

	ITEM	DESCRIPTION
1	Name of the Procuring Entity	
2	Reference Number of the Tender	
3	Date and Time of Tender Opening	
4	Name of the Tenderer	
5	Full Address and Contact Details of the Tenderer.	1. Country 2. City 3. Location 4. Building 5. Floor 6. Postal Address 7. Name and email of contact person.
6	Current Trade License Registration Number and Expiring date	
7	Name, country and full address (<i>postal and physical addresses, email, and telephone number</i>) of Registering Body/Agency	
8	Description of Nature of Business	
9	Maximum value of business which the Tenderer handles.	
10	State if Tenders Company is listed in stock exchange, give name and full address (<i>postal and physical addresses, email, and telephone number</i>) of state which stock exchange	

General and Specific Details

b) **Sole Proprietor**, provide the following details.

Name in full _____ Age _____ Nationality _____
 _____ Country of Origin _____ Citizenship _____

c) **Partnership**, provide the following details.

	Names of Partners	Nationality	Citizenship	% Shares owned
1				
2				
3				

d) **Registered Company**, provide the following details.

i) Private or public Company _____

ii) State the nominal and issued capital of the Company _____

Nominal Kenya Shillings (Equivalent)..... Issued

Kenya Shillings (Equivalent).....

iii) Give details of Directors as follows.

	Names of Director	Nationality	Citizenship	% Shares owned
1				
2				
3				

(e) **DISCLOSURE OF INTEREST- Interest of the Firm in the Procuring Entity.**

i) Are there any person/persons in (*Name of Procuring Entity*) who has/have an interest or relationship in this firm? Yes/No.....

If yes, provide details as follows.

	Names of Person	Designation in the Procuring Entity	Interest or Relationship with Tenderer
1			
2			
3			

ii) **Conflict of interest disclosure**

	Type of Conflict	Disclosure YES OR NO	If YES provide details of the relationship with Tenderer
1	Tenderer is directly or indirectly controls, is controlled by or is under common control with another tenderer.		
2	Tenderer receives or has received any direct or indirect subsidy from another tenderer.		
3	Tenderer has the same legal representative as another tenderer		
4	Tender has a relationship with another tenderer, directly or through common third parties, that puts it in a position to influence the tender of another tenderer, or		

	Type of Conflict	Disclosure YES OR NO	If YES provide details of the relationship with Tenderer
	influence the decisions of the Procuring Entity regarding this tendering process.		
5	Any of the Tenderer's affiliates participated as a consultant in the preparation of the design or technical specifications of the works that are the subject of the tender.		
6	Tenderer would be providing goods, works, non-consulting services or consulting services during implementation of the contract specified in this Tender Document.		
7	Tenderer has a close business or family relationship with a professional staff of the Procuring Entity who are directly or indirectly involved in the preparation of the Tender document or specifications of the Contract, and/or the Tender evaluation process of such contract.		
8	Tenderer has a close business or family relationship with a professional staff of the Procuring Entity who would be involved in the implementation or supervision of the such Contract.		
9	Has the conflict stemming from such relationship stated in item 7 and 8 above been resolved in a manner acceptable to the Procuring Entity throughout the tendering process and execution of the Contract.		

f) Certification

On behalf of the Tenderer, I certify that the information given above is complete, current and accurate as at the date of submission.

Full Name _____ Title or

Designation _____

(Signature)

(Date)

B. CERTIFICATE OF INDEPENDENT TENDER DETERMINATION

I, the undersigned, in submitting the accompanying Letter of Tender to the _____ [Name of Procuring Entity] for: _____ [Name and number of tender] in response to the request for tenders made by: _____ [Name of Tenderer] do hereby make the following statements that I certify to be true and complete in every respect:

I certify, on behalf of _____ [Name of Tenderer] that:

1. I have read and I understand the contents of this Certificate;
2. I understand that the Tender will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am the authorized representative of the Tenderer with authority to sign this Certificate, and to submit the Tender on behalf of the Tenderer;
4. For the purposes of this Certificate and the Tender, I understand that the word “competitor” shall include any individual or organization, other than the Tenderer, whether or not affiliated with the Tenderer, who:
 - a) has been requested to submit a Tender in response to this request for tenders;
 - b) could potentially submit a tender in response to this request for tenders, based on their qualifications, abilities or experience;
5. The Tenderer discloses that [check one of the following, as applicable:
 - a) The Tenderer has arrived at the Tender independently from, and without consultation, communication, agreement or arrangement with, any competitor;
 - b) the Tenderer has entered into consultations, communications, agreements or arrangements with one or more competitors regarding this request for tenders, and the Tenderer discloses, in the attached document(s), complete details thereof, including the names of the competitors and the nature of, and reasons for, such consultations, communications, agreements or arrangements;
6. In particular, without limiting the generality of paragraphs (5)(a) or (5)(b) above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
 - a) prices;
 - b) methods, factors or formulas used to calculate prices;
 - c) the intention or decision to submit, or not to submit, a tender; or
 - d) the submission of a tender which does not meet the specifications of the request for Tenders; except as specifically disclosed pursuant to paragraph (5)(b) above;
7. In addition, there has been no consultation, communication, agreement or arrangement with any competitor regarding the quality, quantity, specifications or delivery particulars of the works or services to which this request for tenders relates, except as specifically authorized by the procuring authority or as specifically disclosed pursuant to paragraph (5)(b) above;
8. the terms of the Tender have not been, and will not be, knowingly disclosed by the Tenderer, directly or indirectly, to any competitor, prior to the date and time of the official tender opening, or of the awarding of the Contract, whichever comes first, unless otherwise required by law or as specifically disclosed pursuant to paragraph (5)(b) above.

Name _____ Title __ Date _____

[Name, title and signature of authorized agent of Tenderer and Date].

C. SELF - DECLARATION FORMS

FORM SD1

SELF DECLARATION THAT THE PERSON/TENDERER IS NOT DEBARRED IN THE MATTER OF THE PUBLIC PROCUREMENT AND ASSET DISPOSAL ACT 2015.

I,, of Post Office Box being a resident of in the Republic of do hereby make a statement as follows: -

1. THAT I am the Company Secretary/ Chief Executive/Chief Executive Officer/Principal Officer/Director of (*insert name of the Company*) who is a Bidder in respect of Tender No. for (*insert tender title/description*) for (*insert name of the Procuring entity*) and duly authorized and competent to make this statement.
2. THAT the aforesaid Bidder, its Directors and subcontractors have not been debarred from participating in procurement proceeding under Part IV of the Act.
3. THAT what is deponed to herein above is true to the best of my knowledge, information and belief.

..... (Title)
..... (Signature) (Date)

Bidder Official Stamp

FORM SD2

SELF DECLARATION THAT THE PERSON/TENDERER WILL NOT ENGAGE IN ANY CORRUPT OR FRAUDULENT PRACTICE

I, of P. O. Box being a resident of in the Republic of do hereby make a statement as follows: -

1. THAT I am the Chief Executive/Chief Executive Officer/Principal Officer/Director of
(insert name of the Company) who is a Bidder in respect of Tender No.
for (insert tender title/description) for (insert name of the Procuring entity) and duly authorized and competent to make this statement.
2. THAT the aforesaid Bidder, its servants and/or agents /subcontractors will not engage in any corrupt or fraudulent practice and has not been requested to pay any inducement to any member of the Board, Management, Staff and/or employees and/or agents of (insert name of the Procuring entity) which is the procuring entity.
3. THAT the aforesaid Bidder, its servants and/or agents /subcontractors have not offered any inducement to any member of the Board, Management, Staff and/or employees and/or agents of (name of the procuring entity)
4. THAT the aforesaid Bidder will not engage /has not engaged in any corrosive practice with other bidders participating in the subject tender
5. THAT what is deponed to herein above is true to the best of my knowledge information and belief.

.....
(Title)

.....
(Signature)

.....
(Date)

Bidder's Official Stamp

DECLARATION AND COMMITMENT TO THE CODE OF ETHICS

I (person) on behalf of (*Name of the Business/ Company/Firm*) declare that I have read and fully understood the contents of the Public Procurement & Asset Disposal Act, 2015, Regulations and the Code of Ethics for persons participating in Public Procurement and Asset Disposal and my responsibilities under the Code.

I do hereby commit to abide by the provisions of the Code of Ethics for persons participating in Public Procurement and Asset Disposal.

Name of Authorized signatory..... Sign.....

Position.....

Office address..... Telephone.....

E-mail.....

Name of the Firm/Company.....

Date..... (Company Seal/ Rubber

Stamp where applicable)

Witness

Name Sign.....

Date.....

D. APPENDIX 1- FRAUD AND CORRUPTION

(Appendix 1 shall not be modified)

1. Purpose

2. The Government of Kenya's Anti-Corruption and Economic Crime laws and their sanction's policies and procedures, Public Procurement and Asset Disposal Act (*no. 33 of 2015*) and its Regulation, and any other Kenya's Acts or Regulations related to Fraud and Corruption, and similar offences, shall apply with respect to Public Procurement Processes and Contracts that are governed by the laws of Kenya.

3. Requirements

The Government of Kenya requires that all parties including Procuring Entities, Tenderers, (applicants/proposers), Consultants, Contractors and Suppliers; any Sub-contractors, Sub-consultants, Service providers or Suppliers; any Agents (whether declared or not); and any of their Personnel, involved and engaged in procurement under Kenya's Laws and Regulation, observe the highest standard of ethics during the procurement process, selection and contract execution of all contracts, and refrain from Fraud and Corruption and fully comply with Kenya's laws and Regulations as per paragraphs 1.1 above.

Kenya's public procurement and asset disposal act (*no. 33 of 2015*) under Section 66 describes rules to be followed and actions to be taken in dealing with Corrupt, Coercive, Obstructive, Collusive or Fraudulent practices, and Conflicts of Interest in procurement including consequences for offences committed. A few of the provisions noted below highlight Kenya's policy of no tolerance for such practices and behavior: -

- 1) a person to whom this Act applies shall not be involved in any corrupt, coercive, obstructive, collusive or fraudulent practice; or conflicts of interest in any procurement or asset disposal proceeding;
- 2) A person referred to under subsection (1) who contravenes the provisions of that sub-section commits an offence;
- 3) Without limiting the generality of the subsection (1) and (2), the person shall be: -
 - a) disqualified from entering into a contract for a procurement or asset disposal proceeding; or
 - b) if a contract has already been entered into with the person, the contract shall be voidable;
- 4) The voiding of a contract by the procuring entity under subsection (7) does not limit any legal remedy the procuring entity may have;
- 5) An employee or agent of the procuring entity or a member of the Board or committee of the procuring entity who has a conflict of interest with respect to a procurement: -
 - a) shall not take part in the procurement proceedings;
 - b) shall not, after a procurement contract has been entered into, take part in any decision relating to the procurement or contract; and
- c) shall not be a subcontractor for the bidder to whom was awarded contract, or a member of the group of bidders to whom the contract was awarded, but the subcontractor appointed shall meet all the requirements of this Act.
- 6) An employee, agent or member described in subsection (1) who refrains from doing anything prohibited under that subsection, but for that subsection, would have been within his or her duties shall disclose the conflict of interest to the procuring entity;
- 7) If a person contravenes subsection (1) with respect to a conflict of interest described in subsection (5)(a) and the contract is awarded to the person or his relative or to another person in whom one of them had a direct or indirect pecuniary interest, the contract shall be terminated and all costs incurred by the public entity shall be made good by the awarding officer. Etc.

In compliance with Kenya's laws, regulations and policies mentioned above, the Procuring Entity:

- a) Defines broadly, for the purposes of the above provisions, the terms set forth below as follows:
 - i) "corrupt practice" is the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party;
 - ii) "fraudulent practice" is any act or omission, including misrepresentation, that knowingly or

recklessly misleads, or attempts to mislead, a party to obtain financial or other benefit or to avoid an obligation;

- iii) “collusive practice” is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;
 - iv) “coercive practice” is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;
 - v) “obstructive practice” is:
 - deliberately destroying, falsifying, altering, or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede investigation by Public Procurement Regulatory Authority (PPRA) or any other appropriate authority appointed by Government of Kenya into allegations of a corrupt, fraudulent, coercive, or collusive practice; and/or threatening, harassing, or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; or
 - acts intended to materially impede the exercise of the PPRA's or the appointed authority's inspection and audit rights provided for under paragraph 2.3 e. below.
- b) Defines more specifically, in accordance with the above procurement Act provisions set forth for fraudulent and collusive practices as follows:
- "fraudulent practice" includes a misrepresentation of fact in order to influence a procurement or disposal process or the exercise of a contract to the detriment of the procuring entity or the tenderer or the contractor, and includes collusive practices amongst tenderers prior to or after tender submission designed to establish tender prices at artificial non-competitive levels and to deprive the procuring entity of the benefits of free and open competition.
- c) Rejects a proposal for award¹ of a contract if PPRA determines that the firm or individual recommended for award, any of its personnel, or its agents, or its sub-consultants, sub-contractors, service providers, suppliers and/ or their employees, has, directly or indirectly, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices in competing for the contract in question;
 - d) Pursuant to the Kenya's above stated Acts and Regulations, may sanction or recommend to appropriate authority (ies) for sanctioning and debarment of a firm or individual, as applicable under the Acts and Regulations;
 - e) Requires that a clause be included in Tender documents and Request for Proposal documents requiring (i) Tenderers (applicants/proposers), Consultants, Contractors, and Suppliers, and their Sub-contractors, Sub-consultants, Service providers, Suppliers, Agents personnel, permit the PPRA or any other appropriate authority appointed by Government of Kenya to inspect² all accounts, records and other documents relating to the procurement process, selection and/or contract execution, and to have them audited by auditors appointed by the PPRA or any other appropriate authority appointed by Government of Kenya; and
 - f) Pursuant to Section 62 of the above Act, requires Applicants/Tenderers to submit along with their Applications/Tenders/Proposals a “Self-Declaration Form” as included in the procurement document declaring that they and all parties involved in the procurement process and contract execution have not engaged/will not engage in any corrupt or fraudulent practices.

¹For the avoidance of doubt, a party's ineligibility to be awarded a contract shall include, without limitation, (i) applying for pre-qualification, expressing interest in a consultancy, and tendering, either directly or as a nominated sub-contractor, nominated consultant, nominated manufacturer or supplier, or nominated service provider, in respect of such contract, and (ii) entering into an addendum or amendment introducing a material modification to any existing contract.

² Inspections in this context usually are investigative (i.e., forensic) in nature. They involve fact-finding activities undertaken by the Investigating Authority or persons appointed by the Procuring Entity to address specific matters related to investigations/audits, such as evaluating the veracity of an allegation of possible Fraud and Corruption, through the appropriate mechanisms. Such activity includes but is not limited to: accessing and examining a firm's or individual's financial records and information, and making copies thereof as relevant; accessing and examining any other documents, data and information (whether in hard copy or electronic format) deemed relevant for the investigation/audit, and making copies thereof as relevant; interviewing staff and other relevant individuals; performing physical inspections and site visits; and obtaining third party verification of information.

FORM OF TENDER SECURITY-[Option 1–Demand Bank Guarantee]

Beneficiary: _____

Request for Tenders No:

Date: _____

TENDER GUARANTEE No.: _____

Guarantor: _____

1. We have been informed that _____ (here in after called "the Applicant") has submitted or will submit to the Beneficiary its Tender (here in after called" the Tender") for the execution of _____ under Request for Tenders No. _____ (“the ITT”).

2. Furthermore, we understand that, according to the Beneficiary's conditions, Tenders must be supported by a Tender guarantee.

3. At the request of the Applicant, we, as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of _____ (_____) upon receipt by us of the Beneficiary's complying demand, supported by the Beneficiary's statement, whether in the demand itself or a separate signed document accompanying or identifying the demand, stating that either the Applicant:
 - (a) has withdrawn its Tender during the period of Tender validity set forth in the Applicant's Letter of Tender (“the Tender Validity Period”), or any extension thereto provided by the Applicant; or
 - b) having been notified of the acceptance of its Tender by the Beneficiary during the Tender Validity Period or any extension there to provided by the Applicant, (i) has failed to execute the contract agreement, or (ii) has failed to furnish the Performance.

4. This guarantee will expire: (a) if the Applicant is the successful Tenderer, upon our receipt of copies of the contract agreement signed by the Applicant and the Performance Security and, or (b) if the Applicant is not the successful Tenderer, upon the earlier of (i) our receipt of a copy of the Beneficiary's notification to the Applicant of the results of the Tendering process; or (ii) thirty days after the end of the Tender Validity Period.

5. Consequently, any demand for payment under this guarantee must be received by us at the office indicated above on or before that date.

[signature(s)]

Note: All italicized text is for use in preparing this form and shall be deleted from the final product.

FORMAT OF TENDER SECURITY [Option 2–Insurance Guarantee]

TENDER GUARANTEE No.: _____

1. Whereas [*Name of the tenderer*] (hereinafter called “the tenderer”) has submitted its tender dated [*Date of submission of tender*] for the [*Name and/or description of the tender*] (hereinafter called “the Tender”) for the execution of _____ under Request for Tenders No. _____ (“the ITT”).
2. KNOW ALL PEOPLE by these presents that WE of [**Name of Insurance Company**] having our registered office at (here in after called “the Guarantor”), are bound unto [*Name of Procuring Entity*] (here in after called “the Procuring Entity”) in the sum of (Currency and guarantee amount) for which payment well and truly to be made to the said Procuring Entity, the Guarantor binds itself, its successors and assigns, jointly and severally, firmly by these presents.

Sealed with the Common Seal of the said Guarantor this ___ day of _____ 20 __.

3. NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that if the Applicant:
 - a) has withdrawn its Tender during the period of Tender validity set forth in the Principal's Letter of Tender (“the Tender Validity Period”), or any extension thereto provided by the Principal; or
 - b) having been notified of the acceptance of its Tender by the Procuring Entity during the Tender Validity Period or any extension thereto provided by the Principal; (i) failed to execute the Contract agreement; or (ii) has failed to furnish the Performance Security, in accordance with the Instructions to tenderers (“ITT”) of the Procuring Entity's Tendering document.

then the guarantee undertakes to immediately pay to the Procuring Entity up to the above amount upon receipt of the Procuring Entity's first written demand, without the Procuring Entity having to substantiate its demand, provided that in its demand the Procuring Entity shall state that the demand arises from the occurrence of any of the above events, specifying which event(s) has occurred.

4. This guarantee will expire: (a) if the Applicant is the successful Tenderer, upon our receipt of copies of the contract agreement signed by the Applicant and the Performance Security and, or (b) if the Applicant is not the successful Tenderer, upon the earlier of (i) our receipt of a copy of the Beneficiary's notification to the Applicant of the results of the Tendering process; or (ii) twenty-eight days after the end of the Tender Validity Period.
5. Consequently, any demand for payment under this guarantee must be received by us at the office indicated above on or before that date.

[Date]

[Witness]

[Signature of the Guarantor]

[Seal]

Note: All italicized text is for use in preparing this form and shall be deleted from the final product.

TENDER-SECURING DECLARATION FORM

[The Bidder shall complete this Form in accordance with the instructions indicated]

Date:.....*[insert date (as day, month and year) of Tender Submission]*

Tender No.:.....*[insert number of tendering process]*

To:..... *[insert complete name of Purchaser]* I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Tender-Securing Declaration.
2. I/We accept that I/we will automatically be suspended from being eligible for tendering in any contract with the Purchaser for the period of time of *[insert number of months or years]* starting on *[insert date]*, if we are in breach of our obligation(s) under the bid conditions, because we – (a) have withdrawn our tender during the period of tender validity specified by us in the Tendering Data Sheet; or (b) having been notified of the acceptance of our Bid by the Purchaser during the period of bid validity, (i) fail or refuse to execute the Contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the instructions to tenders.
3. I/We understand that this Tender Securing Declaration shall expire if we are not the successful Tenderer(s), upon the earlier of:
 - a) our receipt of a copy of your notification of the name of the successful Tenderer; or
 - b) thirty days after the expiration of our Tender.
4. I/We understand that if I am/we are/in a Joint Venture, the Tender Securing Declaration must be in the name of the Joint Venture that submits the bid, and the Joint Venture has not been legally constituted at the time of bidding, the Tender Securing Declaration shall be in the names of all future partners as named in the letter of intent.

Signed:..... Capacity / title (director

or partner or sole proprietor, etc.) Name:

..... Duly authorized to sign the bid

for and on behalf of: *[insert complete name of Tenderer]*

Dated on day of *[Insert date of signing]* Seal or stamp

Appendix to Tender

Schedule of Currency requirements

Summary of currencies of the Tender for _____ *[insert name of Section of the Works]*

<i>Name of currency</i>	<i>Amounts payable</i>
Local currency: _____	
Foreign currency #1: _____	
Foreign currency #2: _____	
Foreign currency #3: _____	
Provisional sums expressed in local currency	[To be entered by the Procuring Entity]

PART II - WORK REQUIREMENTS

SECTION V - DRAWINGS

A list of drawings should be inserted here. The actual drawings including Site plans should be annexed in a separate booklet.

Drawings Available

SECTION VI - SPECIFICATIONS

Notes for preparing Specifications

1. Specifications must be drafted to present a clear and precise statement of the required standards of materials, and workmanship for tenderers to respond realistically and competitively to the requirements of the Procuring Entity and ensure responsiveness of tenders. The Specifications should require that all materials, plant, and other supplies to be permanently incorporated in the Works be new, unused, of the most recent or current models, and incorporating all recent improvements in design and materials unless provided otherwise in the Contract. Where the Contractor is responsible for the design of any part of the permanent Works, the extent of his obligations must be stated.
2. Specifications from previous similar projects are useful and may not be necessary to re-write specifications for every Works Contract.
3. There are considerable advantages in standardizing **General Specifications** for repetitive Works in recognized public sectors, such as highways, urban housing, irrigation and water supply. The General Specifications should cover all classes of workmanship, materials and equipment commonly involved in constructions, although not necessarily to be used in a particular works contract. Deletions or addenda should then adapt the General Specifications to the particular Works.
4. Care must be taken in drafting Specifications to ensure they are not restrictive. In the Specifications of standards for materials, plant and workmanship, existing Kenya Standards should be used as much as possible, otherwise recognized international standards may also be used.
5. The Procuring Entity should decide whether technical solutions to specified parts of the Works are to be permitted. Alternatives are appropriate in cases where obvious (and potentially less costly) alternatives are possible to the technical solutions indicated in tender documents for certain elements of the Works, taking into consideration the comparative specialized advantage of potential tenderers.
6. The Procuring Entity should provide a description of the selected parts of the Works with appropriate reference to Drawings, Specifications, Bills of Quantities, and Design or Performance criteria, stating that the alternative solutions shall be at least structurally and functionally equivalent to the basic design parameters and Specifications.
 1. Such alternative solutions shall be accompanied by all information necessary for a complete evaluation by the Procuring Entity, including drawings, design calculations, technical specifications, breakdown of prices, proposed construction methodology, and other relevant details. Technical alternatives permitted in this manner shall be considered by the Procuring Entity each on its own merits and independently of whether the tenderer has priced the item as described in the Procuring Entity's design included with the tender documents.

Specifications available in separate booklet

SECTION VII- BILLS OF QUANTITIES

1. Objectives

The objectives of the Bill of Quantities are:

- a) to provide sufficient information on the quantities of Works to be performed to enable tenders to be prepared efficiently and accurately; and
- b) when a Contract has been entered into, to provide a priced Bill of Quantities for use in the periodic valuation of Works executed.

In order to attain these objectives, Works should be itemized in the Bill of Quantities in sufficient detail to distinguish between the different classes of Works, or between Works of the same nature carried out in different locations or in other circumstances which may give rise to different considerations of cost. Consistent with these requirements, the layout and contents of the Bill of Quantities should be as simple and brief as possible.

2. Day work Schedule

A Day work Schedule should be included only if the probability of unforeseen work, outside the items included in the Bill of Quantities, is high. To facilitate checking by the Procuring Entity of the realism of rates quoted by the Tenderers, the Day work Schedule should normally comprise the following:

- a) A list of the various classes of labor, materials, and Constructional Plant for which basic day work rates or prices are to be inserted by the Tenderer, together with a statement of the conditions under which the Contractor shall be paid for work executed on a day work basis.
- b) Nominal quantities for each item of day work, to be priced by each Tenderer at day work rates as Tender. The rate to be entered by the Tenderer against each basic day work item should include the Contractor's profit, overheads, supervision, and other charges.

3. Provisional Sums

A general provision for physical contingencies (quantity overruns) may be made by including a provisional sum in the Summary Bill of Quantities. Similarly, a contingency allowance for possible price increases should be provided as a provisional sum in the Summary priced Bill of Quantities. The inclusion of such provisional sums often facilitates budgetary approval by avoiding the need to request periodic supplementary approvals as the future need arises. Where such provisional sums or contingency allowances are used, the Special Conditions of Contract should state the manner in which they shall be used, and under whose authority (usually the Project Manager's).

The estimated cost of specialized work to be carried out, or of special goods to be supplied, by other contractors should be indicated in the relevant part of the Bill of Quantities as a particular provisional sum with an appropriate brief description. A separate procurement procedure is normally carried out by the Procuring Entity to select such specialized contractors. To provide an element of competition among the Tenderers in respect of any facilities, amenities, attendance, etc., to be provided by the successful Tenderer as prime Contractor for the use and convenience of the specialist contractors, each related provisional sum should be followed by an item in the Bill of Quantities inviting the Tenderer to quote a sum for such amenities, facilities, attendance, etc.

These Notes for Preparing a Bill of Quantities are intended only as information for the Procuring Entity or the person drafting the tendering document. They should not be included in the final tendering document.

4. The Bills of Quantities

The Bills of Quantities should be divided generally into the following sections:

- a) Preambles
- b) Preliminary items
- c) Work Items

- c) Day work Schedule;and
- d) Provisional items
- e) Summary.

5. **The Summary to the Bills of Quantities** will take this form or some other form but including these items.

BILL OF QUANTITIES

BILL No. 1 - PRELIMINARIES AND GENERAL

ITEM No.	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
				Kshs	Kshs
1.0	<u>CONTRACTUAL REQUIREMENTS</u>				
1.0.1	Allow for Insurance of Works and Injuries in accordance with the Conditions of Contract	Item	L.S		
1.0.2	Allow for Third Party Insurance in accordance with the Conditions of Contract	Item	L.S		
1.1	SPECIAL REQUIREMENTS				
1.1.1	Contractor's Camp: Allow for erection of the Contractor's Camp(s), offices and other facilities including mobilization, demobilization and movement of the works site on completion. Include for all equipment, temporary measures, machines, tools, materials, facilities for workers, water and electricity supply etc. for execution of the Works. The Employer has no available land to offer for Contractor's Camp, storage of materials and preparation of concrete etc. Identification and procurement of suitable area of land for Contractor's Camp whether rented or purchased is the responsibility of the Contractor.	Item	L.S		
1.1.2	Allow for the provision of as built drawings and Operations and Maintenance manual.	Item	L.S		
1.1.3	Allow for setting out of the works in accordance with Conditions of Contract and Specifications	Item	L.S		

1.2	Services for Supervising Staff				
1.2.1	Provisional Sum of KShs 350,000 for Inspection and Witness Testing of Pipes, Fittings and Equipment at manufacturer's premises by the Employer, Engineer and their representatives to be expended as directed by the Engineer	Item	P.S		
1.2.2	Allow for provision and maintenance of survey equipment as specified for the sole use of the Engineer during the duration of the contract. Equipment to be of acceptable working condition and to be returned to the contractor on completion.	months	6		
PAGE 1 TOTAL CARRIED TO SECTION COLLECTION SHEET					
ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
No.				Kshs	Kshs
1.3	Other Supplies				
1.3.1	Allow a sum to cover costs of laboratory testing of materials and works using external laboratories, to be expended as directed by the Project Engineer	Item	L.S		
1.4	Project Signboards and branding				
1.4.1	Provide and Maintain signboards at the site of Works as directed by Resident Engineer and inclusive of removal after completion	nr	3		
1.4.2	Allow for Branding of the project infrastructure as per the design template to be provided the Engineer	Nr	5		
1.5	Testing of Materials and Works				
1.5.1	Allow a sum for Test Running all the Works completed under the Contract for a period of 1 week after the official commissioning of the Works	Item	L.S		
1.6	Provisional sums				
1.6.1	Allow for a Provisional sum of KShs.540,000 for Implementation of ESHS and C-ESMP while undertaking the works	P SUM			
1.6.2	Allow a Provisional Sum of Kshs 200,000 for Quarterly Environmental Audit of the				

	Contractor's ESMP by a registered NEMA Lead Expert.				
1.6.3	Allow for Provisional sum of KES 400,000/-, for all specific works related to working along active pipelines and within sites of other active installations e.g storage tanks, etc. and maintaining continuity of water supply including protection of supports etc. of existing pipelines during construction activity as directed by the Project Manager. To include any rate payable to authorities	Item	P.S		
1.6.4	Add _____% for profit, administration, attendance upon, overheads, etc. for Item 3.8 & 3.10 above	%	550000		
1.7	Other Works, Obligations				
1.7.1	The Contractor shall describe in detail hereunder other works, obligations and things which may be referred to in the Specifications or which he may consider have been omitted from the Bills of Quantities and for which he desires to enter a separate charge (the charge to be carried direct to the amount column). FULL DESCRIPTION OF ITEM(S) OF WORK OR ANY OTHER ISSUE SHOULD BE MADE. If no separate charge is made hereunder, the rates in the Bills of Quantities will be held as covering all expenses for all such works				Rates only
PAGE 2 TOTAL CARRIED TO SECTION COLLECTION SHEET					
	DESCRIPTION				AMOUNT
					Kshs.
	PRELIMINARIES & GENERAL ITEM				
1	From Page 1				
3	From Page 2				

BILL 2.0 - TREATMENT WORKS

BILL NO. 2.1 - TREATMENT WORKS SITE

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
D	<u>DEMOLITION AND SITE CLEARANCE</u>				
	<i>Site clearance of proposed treatment works site; trees to be cleared to be identified by the Engineer: Rate to include for carting away all cleared material.</i>				
D100	General clearance	ha	0.15		
D210	Cutting of trees, removal of stumps with holes backfilled with excavated material. Tree girth, 500mm - 1m (Provisional)	nr	5.00		
	<u>FENCING AND GATE</u>				
C101	Supply transport to site and install @2500mmc/c concrete poles 2600mm tall and 500 cranked length with 100mmx100mm CS/area with provision for barbed wire line holes. Rate to include for excavation of pole pits and strainers (8) and firming with concrete at the poles base.	Nr	74.00		
C101	Supply transport to site and install concrete braces 2100mm tall 100mmx100mm CS/area with provision for barbed wire line holes after every 10th pole . Rate to include for excavation of pole pits and strainers (8) and firming with concrete at the poles base.	Nr	16.00		
C102	Supply and install 4000x2000mm double leave steel grill gate to 300x300mm concrete columns complete with iron mongery (use 50mmx25mmx6mm SHS with 38mmx25mmx6mm vertical members). Provide for epoxy primer paint with 2 coats of final gloss paint	Nr	1.00		
C103	G12.5 chainlink 2m high	m	180.00		
C104	Barbed wire 16g, 25kg -6 strand	LM	1,080.00		
C105	Provide, cut and place 10mm square twisted steel rebars in	Kg	20.00		

	gate columns and 600mmx600mm footing				
C106	Ditto 8mm twisted steel rebars as stirrups in column @150mm	Kg	14.00		
	Mass concrete class C15/20 in:				
C107	To poles	CM	5.00		
C108	300mmx300mm Gate columns	CM	0.50		
C119	Formwork to;				
C110	Column edges over 150mm but not exceeding 300 mm girth	SM	7.00		
	Finishes				
C111	25mm thick cement: sand (1:4) screed to surfaces with 12mm thick lime steel trowelled smooth finish on columns	SM	7.00		
C112	Concrete pitching to chainlink base ratio 1:3:6 (at 150mm*150mm)	CM	4.00		
C113	Gloss painting to columns- code provided by Engineer	SM	6.00		
PAGE TOTAL CARRIED TO BILLCOLLECTION SHEET					

BILL NO. 2.2 - INLET CHAMBER

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
E313.2	Excavate on site of intake structure and cart away surplus material to tip including dewatering, shuttering, trimming to required levels backfilling etc. (normal excavation rate x3)	m ³	6		
E322	E.O for excavation	m ³	2		
F223	Provide all materials mix and place concrete Grade 15/20 as blinding layer 75mm thick to the intake structure	m ³	1		
F243	Provide all materials mix and place RC Grade 25 in the intake sump	m ³	3		
1.5	Provide Reinforcements for Intake chamber	kg	22		
PAGE TOTAL CARRIED TO BILLCOLLECTION SHEET					
	BILL 2.1 TREATMENT WORKS SITE COLLECTION PAGE				
	PAGE 1 TOTAL				
	PAGE 2 TOTAL				
BILL TOTAL TAKEN TO TREATMENT WORKS SUMMARY PAGE					

**BILL NO. 2.3 - CHEMICAL STORAGE &
MIXING AND MEASURING BUILDING &
PLATFORM**

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
E	Excavation				
	The rates should include for all strutting stabilising the excavation and keeping the excavation free from water by pumping bailing or other means. Excavate for foundation part back fill after construction and remainder cart away to tips or use as fill on site all as directed. The cost should include for channels where appropriate				
E323	Depth upto 0.90m	m ³	3.00		
E324	Depth between 0.90 -1,5m or as directed	m ³	2.00		
E335	Extra over excavation in soft rock upto class only. Blasting not allowed	m ³	1.00		
F	Concrete works				
	Provide, mix and place concrete as shown or as directed				
F223	Concrete class 15/20(1:3:6)	m ³	0.50		
F233	Concrete class 20/20 (1:2:4)	m ²	1.20		
F200	Cement motor mix 1:4 for 50mm screed to fall on slab (average 25mm thick)	m ³	0.30		
F243	Vibrated reinforced concrete class 25(1:1.5:3)	m ³	7.00		
G5	Steel Reinforcement				
	Provide and fix steel reinforcements including cutting, bending propping with spacers and trying as specified.				
G511	6mm dia. high tensile. 8mm dia high tensile	Kg	184.00		
G524	12mm dia high tensile.	Kg	7.00		
G	Shuttering				
G143	Form work	m ²	36.00		
W	Water Proofing				
W741	Provide for bituminous felt and paint d.p.c. to foot of walls.	m	125.00		
J	Pipe work.				
	Supply lay and fit all pipe work and fittings including concrete surrounds etc. to the filter unit as specified in the drawing.				
J182	150mm dia. GS pipe with sockets.	m	30.00		
J181.1	100mm dia. GS pipe with sockets.	m	25.00		
J181.2	75mm dia. GS pipe with sockets.	m	10.00		
J5242	150mm x 225mm bell mouth.	No	1.00		
PAGE TOTAL CARRIED TO BILL COLLECTION SHEET					

**BILL NO. 2.3 - CHEMICAL STORAGE &
MIXING AND MEASURING BUILDING &
PLATFORM**

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
J529.2	150mm flanged sluice valve.	No	3.00		
J522.2	150mm flanged equal tee.	No	3.00		
J522.3	150mm GS elbow.	No	1.00		
N	Miscellaneous				
N561	Allow for Measuring Facility as indicated on the drawing	No	1.00		
N562	Allow for Construction of Storing Structure/house of the chemicals at the Treatment Plant site	LS	1		
	Dozing Equipment				
	<u>Dozer Units</u>				
	Gravity solution feeder, constant level tank with inlet connector,regulator,outlet funnel and 50mm delivery tubing for inlet and 25mm tubing for outlet. Include valves,Stirring rods and chemical resistant tubing				
	Aluminium Sulphate				
X900.1	FRN 1 Gravity Dozer with capacity to transmit 14.4Litres/hr	No	2.00		
	Soda Ash				
X900.2	FRN 1 Gravity Dozer with capacity to transmit 1,87.5mg/hr	No	2.00		
	Tropical Chloride of Lime				
X900.3	FRO Gravity Dozer with capacity to transmit 12.5mg/hr	No	2.00		
	Mixing Tank				
X900.4	Allow for Plastic Mixing Tanks	No	3.00		
PAGE TOTAL CARRIED TO BILLCOLLECTION SHEET					

**BILL NO. 2.3 - CHEMICAL STORAGE &
MIXING AND MEASURING BUILDING &
PLATFORM**

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	BILL 2.3 COLLECTION PAGE				
	PAGE 3 TOTAL				
	PAGE 4 TOTAL				
BILL TOTAL TAKEN TO TREATMENT WORKS SUMMARY PAGE					

BILL NO. 2.4 - CFU

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
1.2	CLASS E: EARTHWORKS				
	<u>Excavation for foundations</u>				
	Excavate in normal soil, rates to include for all strutting, stabilising the excavation and keeping the excavation free from water by pumping bailing or other means.				
1E311	Maximum depth not exceeding 0.25 m	m ³	28.00		
1E322	Maximum depth 0.25 - 0.5 m	m ³	28.00		
1E323	Maximum depth 0.5 - 1.0 m	m ³	11.00		
1E324	Maximum depth 1.0 - 2.0 m	m ³	17.00		
	Excavate in material other than topsoil, rock or artificial hard material for foundations.				
	Excavate in Rock for foundations (upto class II Only)				
1E333	Maximum depth not exceeding 1.0 m	m ³	6.00		
1E334	Maximum depth 1.0- 2.0 m	m ³	6.00		
	<u>Excavation ancillaries</u>				
	Disposal of excavated material				
1E532	Material other than topsoil, rock or artificial hard material	m ³	33.00		
	<u>Filling</u>				
1E611	Excavated topsoil	m ³	22.00		
1E614	Selected excavated material other than topsoil or rock (murrum blinding) compacted in 50mm layers	m ³	33.00		
1E615	Imported natural material other than topsoil or rock (Hard core) compacted in 150mm layers	m ³	28.00		
1E636	Excavated rock (upto class II only) blasting not allowed.	m ³	11.00		
1.3	CLASS F: IN SITU CONCRETE				
1F511	Provide, Mix and Place Concrete Strength Grade 15/20 (1:3:6) blinding concrete 50 mm thick to bases and floor slabs	m	77.00		
1F513	Provide, Mix and Place Concrete Strength Grade 15/20 (1:3:6) mass 400mm thick pipe surround	m ³	5.00		
PAGE TOTAL CARRIED TO BILL COLLECTION SHEET					

BILL NO. 2.4 - CFU

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
1F515	Mass Concrete Mix 1:4:8: 300-700mm to HUDDO Nozzles and wash water channels	m ³	22.00		
	<u>Reinforced Concrete</u>				
1F621	Vibrated reinforced concrete Class 25/20 to floor slab 150mm thick (across whole CFU) with waterproof cement at a ratio of 1 kg water proof cement to every 50 kg Portland cement.	m ³	22.00		
1F661	-Ditto - but for suspended beams	m ³	2.2		
1F662	-Ditto - but for ring beams	m ³	2.20		
1.40	CLASS G: CONCRETE ANCILLIARIES <u>Formwork of fair finish</u>				
	Provide and fix shuttering including propping, strutting and striking all as specified, allowing for curvature where necessary				
1G142	Sides of base slab	m ²	4.00		
1G143	Sides for thickening base slab for pipes	m ²	5.00		
1G212	Sides for beams (vertical and horizontal)	m ²	19.00		
	<u>Benching</u>				
1G211.5	Allow for formation of a 100mm wide 18m long channel in weak concrete benching as required.	No	1.00		
	<u>Reinforcement</u> Provide and fix steel reinforcements including cutting, bending propping with spacers and trying as specified. Plain round steel bars to BS 4449				
1G511	Nominal size 6 mm	Kg	55.00		
	Deformed high yield steel bars to BS 4449				
1G522	Nominal size 8 mm	Kg	93.00		
1G523	Nominal size 10 mm	Kg	506.00		
1G524	Nominal size 12 mm	Kg	374.00		
1G525	Nominal size 16 mm	Kg	957		

1.50	CLASS H: PRECAST CONCRETE				
111510	Provide and lay with all leads and lifts etc. complete 600 x 600 x 50 mm thick precast paving slabs on and including 50 mm thick sand bed as per the Engineers Drawings	m ²	12.00		
1.60	CLASS I: PIPEWORK - PIPES				
	Provide, lay, joint and test socket Jointed Galvanised Steel: Rates to include excavating and backfilling pipe trenches, pipe cutting, welding, threading				
11411.20	150mm dia. GS pipe with sockets.	M	30.00		
11411.20	100mm dia. GS pipe with sockets.	M	25.00		
11411.2	75mm dia. GS pipe with sockets.	M	10.00		
PAGE TOTAL CARRIED TO BILL COLLECTION SHEET					

BILL NO. 2.4 - CFU

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
1.7	CLASS J: PIPEWORK - FITTINGS AND VALVES				
	Bends				
1J311.1	150mm GS elbow.	No	2.00		
1J311.2	100mm GS bend.	No	2.00		
1J311.3	75mm GS bend.	No	2.00		
1J311.4	200mm flanged G.S steel 90° duck foot bend	No.	1.00		
	Junctions and Branches				
1J321.1	150mm flanged equal tee.	No	3.00		
1J321.2	100mm x 50mm reducing tee.	No	2.00		
	Adaptors				
1J351.1	150mm GS nipples.	No	3.00		

1J351.2	150mm GS puddle flange.	No	2.00		
1J351.3	150mm GS plain sockets.	No	2.00		
1J351.4	150 x 100 reducing sockets.	No	1.00		
1J351.5	100mm GS sockets.	No	3.00		
1J351.6	75mm G.S socket.	No	2.00		
1J351.7	150mm GS drilled flanges.	No	6.00		
1J351.8	100mm GS drilled flanges.	No	4.00		
	200mm steel flanged spigot adaptor	No.	1.00		
	Bellmouth				
1J372	150mm x 200mm bell mouth.	No	1.00		
1J372.1	200mm diameter rose strainer or equivalent	No.	1.00		
	End Cap				
1J361	75mm GS end cap.	No	12.00		
PAGE TOTAL CARRIED TO BILL COLLECTION SHEET					

BILL NO. 2.4 - CFU

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	Special Straicihts				
1J71-1	Supply and install 50mm dia. G.M.S pipe, 1700mm long with 9Nr. 19mm dia. Holes	Nr	2.00		
1J71-2	Supply and install 50mm dia. G.M.S pipe, 2100mm long with 11 Nr. 19mm dia. Holes	Nr	5.00		
1J71-3	Supply and install 50mm dia. G.M.S pipe, 900mm long with 5Nr. 19mm dia. Holes	Nr	2.00		
1J71-4	Supply and install 50mm dia. G.M.S pipe, 1300mm long with 7Nr. 19mm dia. holes as	Nr	2.00		
1J71-5	Supply and install 'Hudo' nozzles in under drain pipes	Nr	97.00		
1J81.1	150mm flanged sluice valve.	No	3.00		
1J81.2	100mm GS sluice valve.	No	5.00		
1J81.3	Flap valve as specified.	No	4.00		

1.8	CLASS K: PIPEWORK - MANHOLES AND PIPEWORK ANCILLARIES <u>Manholes</u> Excavate for, provide all materials and construct wash water inlet / filtered water outlet valve chamber, include for supply and fixing of lockable mild steel metal covers as per details. Part backfill after construction and remainder cart away to tips or use as fill on site, all as directed by the Engineer, depth ranges as specified				
1K131	Depth: not exceeding 1.5 m	nr	2.00		
1K132	Depth: 1.5 - 2 m	nr	2.00		
1.9	CLASS N: MISCELLANEOUS METALWORK				
1.9.1	Install 6mm G.M.S steel plate 120mm x 200mm x 2050mm long channel for wash water to be set in mass (1:4:8) concrete.	No	2.00		
	Install 6mm G.M.S plate 250mm x 2100mm long cover for water channel with slots size 20mm x 150mm 200mm c/c.	No	2.00		
1.9.2	Provide and fix GMS sheet 6mm thick settled water collection weir length 3000mm as detailed on Drg.No. M384/LOT7/L/TW/CFU/03.	No	1.00		
1.10	CLASS U: BRICKWORK, BLOCKWORK AND MASONRY <u>Stone Masonry</u> Provide and place approved stone masonry bedded in cement: sand (1:3) mortar with water proof cement at a ratio of 1 ka for each 50 kg Portland cement as directed by the engineer				
1U921	Construct stone masonry walls with waterproof cement mortar 1:3 thickness 225mm	m ²	50.00		
1U921	Construct stone masonry walls with water proof cement mortar 1:3 thickness 150mm	m ²	88.00		
	<u>Ancillaries</u>				
1U538.1	Joint reinforcement equivalent to the wall thickness less 10 mm	m	25.00		
1U538.2	Provide for bituminous felt and paint d.p.c. to foot of walls.	m	60.00		
1.11	Plaster				
1.11.1	Cement mortar mix 1:3 for 50mm water proof screed to fall	m ²	54.00		

	on base slab (average 25mm thick) (with 1 kg water proof cement to every 50 kg Portland cement)				
PAGE TOTAL CARRIED TO BILL COLLECTION SHEET					

BILL NO. 2.4 - CFU

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
1.11.2	Cement mortar mix 1:2 for 25 mm waterproof screed to wall interior (with 1 kg water proof cement to every 50 kg portland cement)	m ²	168.00		
	CLASS W: WATERPROOFING				
1.12	Apply two layers of approved water proof coating as "SICA" or similar to all interior surfaces	m ²	168.00		
1.15	Filter Media				
	Supply and lay graded gravel of size 2mm to 30mm in 4 layers 75mm thick	m ³	3.00		
	Supply and lay graded sand of size 0.5mm - 1.0mm in two layers	m ³	6.00		
	Supply and lay coarse sand of size 1 mm in one layer 75mm thick	m ³	1.00		
	Commissioning				
1.16	Allow for connection of the composite filtration unit to the inflow 150mm dia. GS pipe and outflow and all other components as directed.	PC			
1.16.2	Test and commission the composite filtration units including disinfection of media for 24 hours.	SUM	1.00		
PAGE TOTAL CARRIED TO BILL COLLECTION SHEET					

BILL NO. 2.4 - CFU

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	BILL 2.4 COLLECTION PAGE				
	PAGE 6 TOTAL				
	PAGE 7 TOTAL				
	PAGE 8 TOTAL				
	PAGE 9 TOTAL				
	PAGE 10 TOTAL				
BILL TOTAL FOR 1NO. C.F.U TAKEN TO TREATMENT WORKS SUMMARY PAGE					

BILL NO. 2.5: CLEAR WATER 225 m³
MASONRY TANK

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	THE FOLLOWING WORKS IN GROUND MASONRY 225M ³ STORAGE TANK INCLUDING SUPPLY OF ALL MATERIALS AND NECESSARY WORKS FOR PLACING, ERECTING, COMPLETION, TESTING AND COMMISSIONING. ALL WORKS PROVISIONAL AND SUBJECT TO RE-MEASUREMENTS				
1	Site Clearance				
	Clear site of all bushes and shrubs and remove debris from site directed by the Engineer	m ²	110		
	Tree currying for clearance	No.	4		
2	Excavation and Earthworks				
	Excavate pits for water tank not exceeding 1.5m deep store onsite and backfill with selected material and spread surplus onsite; including all necessary works for side protection and for keeping site free from water, mud and fallen material.	m ³	60		
	E.O Decomposed rock/ compacted murrum as defined in the specifications.	m ³	5		
	Extra over for excavations in rock as described and defined in the specifications	m ³	50		
3	Hardcore Filling				
	Lay and compact 300mm thick hand-packed hardcore laid in layers not exceeding 150mm thick	m ²	90		
4	<u>Mass Concrete Grade 15/20</u> <u>in:-</u> <u>Vibrated Reinforced Concrete 25/20 as described in:-</u>				
	200mm thick floor slab	m ³	24		
	200mm thick suspended roof slab	m ³	24		
	Allow for finishing in cement plaster (1:3) on roof slab laid in 2.5% fall	m ²	90		
	450mm x 200mm beams	m ³	2		
	diameter 300-mm columns	m ³	1		
5	<u>Erect and strike sawn Formwork to:-</u>				
	Edges of 200mm thick floor slab.	m	35		
	Soffit of suspended slab	m ²	90		

	Edges of suspended roof slab 200mm thick.	m	35		
	450 x 200mm beams	m ²	22		
	300-mm diameter column	m ²	2		
	Allow for forming 600x600mm opening for access manhole in 200mm thick slab	No.	2		
PAGE TOTAL CARRIED TO BILL COLLECTION SHEET					

BILL NO. 2.5: CLEAR WATER 225 m3
MASONRY TANK

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
6	<u>Steel Reinforcement</u> Supply and fix reinforcement including bending hooks binding wire, cutting, spacers and supporting all in position as described High tensile square twisted bars to B.S.4449				
	16mm diameter	Kg	559		
	12mm diameter	Kg	1,650		
	8mm diameter	Kg	650		
6	Natural Stone Walling jointed and pointed in Cement Sand Mortar (1:3) Reinforced every Course to engineer's details.				
	225mm thick	m ²	90		
	300mm thick	m ²	30		
	375 mm thick	m ²	90		
7	<u>Plaster</u>				
	25mm Thick cement and sand (1:2) plaster to internal wall surface with water proof cement at a ratio 1kg to 50kg cement.	m ²	120		
	20mm thick cement/ sand 1:3 plastering to external surface of walls.	m ²	150		
8	<u>Screed</u>				
	40mm thick cement and sand (1:3) screed to floor, smooth render laid to falls and brushed with water proof treatment as vandex, master seal, hyseal, or any other equally approved to manufacturers specification.	m ²	90		

9	Ladder				
	2000mm long x 800mm wide mild steel ladder stringers 2.0m x50mm x 10mm flat bar, rings 800 x 200mm x 20mm round bar at 300mm centres externally anchored to wall lugs: one coat red oxide primer: three coats gloss oil finish: all to Engineers' detail.	No	1		
	2000 long X 800mm width G.I ladder internally anchored to wall lugs: one coat red oxide primer: three coats gloss oil finish: all to Engineers' detail.	No.	1		
10	Manhole covers				
	Supply and fix steel prefabricated lockable cover 1400x1400mm complete with frames, steel gauge 16 and as directed by the Engineer.	No.	2		
PAGE TOTAL CARRIED TO BILL COLLECTION SHEET					

BILL NO. 2.5: CLEAR WATER 225 m3
MASONRY TANK

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
11	Scour Pipe				
	<u>Pipework and fitting: Supply, fabricate, lay, test and fit all pipes and fittings including jointing materials (bolts, nuts, washers, gaskets, packings), cutting and threading as specified, galvanized mild steel pipes to BS 1387 Class B with flanged and drilled joints c/w bolts and nuts to BS 143 and 1256 of approved manufacturer with galvanized to BS 729.</u>				
	160x125mm dia flanged bellmouth	No.	2		
	125mm dia 90o flanged GI bend	No.	2		
	125mm flanged GI Pipe piece 3.5m long	No.	2		
	125mm dia Cast Iron sluice valve	No.	1		
12	Overflow				
	125mm dia 90o bend	No.	3		
	125mm dia GS socket	No.	6		
	125mm GS flanged 3m long pipe	No.	6		
	125mm dia GS flanged adapter	No.	3		

13	Air Vents 3 No.				
	75mm dia GI pipe piece 350mm long threaded	No.	6		
	75mm elbow with mosquito gauze	No.	12		
	75mm nipple	No.	12		
	75mm equal Tee	No.	6		
	25mm wide securing strip	m	1		
14	Inlet Pipe				
	250x90° mm dia flanged GI bend	No.	2		
	250mm dia GS flanged GI piece 500mm long	m	1		
	250mm dia GI flanged pipe 3m long	No.	1		
	250mm Cast Iron sluice valve	No.	1		
	1400x1400mm Standard valve chamber	No.	2		
15	Outlet				
	250mm dia GS pipe piece 3m long flanged	No.	1		
	3000x250mm dia bellmouth	No.	1		
	250mm diameter flanged cast iron sluice valve.	No.	1		
	1400x1400mm Standard valve chamber	No.	2		
16	Testing and Sterilization				
	Allow for sterilization of the tank as directed	Item	1		
	PAGE TOTAL CARRIED TO BILL COLLECTION SHEET				

BILL NO. 2.5: CLEAR WATER 225 m3
MASONRY TANK

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	BILL 2.5 COLLECTION PAGE				
	PAGE 12 TOTAL				
	PAGE 13 TOTAL				
	PAGE 14 TOTAL				
PAGE TOTAL CARRIED TO BILL COLLECTION SHEET	Single flanged pipe with puddle flange, DN150×650mm	nr			

BILL NO. 2.6 - 24 M³ ELEVATED STEEL TANK

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	<p>1). Hot rolled section to BS 4360 Grade 43A or equivalent</p> <p>2). Coldformed section to BS 5950 part 5: 1997 or equivalent</p> <p>3). Bolt and nuts to BS 3692 and BS 4190 or equivalent</p> <p>4). Welding specifications to BS 3135 or equivalent</p> <p>5). Welding electrodes to BS 635 or equivalent</p> <p>6). Wind load to CP3 chapter V part 2</p> <p>NOTE: Shop drawings to be approved before fabrication</p>				

	PRELIMINARY				
3.3.1	<p>Provide for Geotechnical investigations for foundations at the identified sites through standard penetration test (STP)/excavation of trial pits/boring and collecting samples which are subjected to laboratory tests to determine soil's physical properties that will be used to pre inform soils's bearing capacity of the proposed sites.</p> <p>NB: The test results and recommendations are to be submitted for approvals before foundation excavations commences.</p>	LS	1.00		
	DESIGN, FABRICATE, DELIVER, ASSEMBLE/ERECT & TEST PRESSED STEEL TANK				
A	<p>Supply and install HOT DIP Pressed steel tank 24m³ out of embosed 4mm thick mild steel panels, complete with roof cover, internal bracings, access ladder, level indicator brackets inclusive of all the necessary fixtures for our erection.</p>	LS	1		
	Tower				
B	<p>Supply the Materials and Construct a Structural steel tower for 9mtrs high tower to support 24m³ steel tank, made up of thick SHS columns, RSA horizontal ties, RSA diogonal bracings UB and 25 leveling pad grouting to 4NO SHS columns, mild steel handrails, chequed plate on 600mm wide</p>	LS	1		

	walkway around tank and cat ladder				
	FOUNDATION				
C	Foundation to CESW1 5 and BS 8004 for the 9mtrs high tower including excavation in all materials to a depth not less than 1.5m depth of bases not exceeding 1.0m deep made of Class 25 vibrated Reinforced concrete with capability to hold the load of water and tank when full to capacity.	LS	1		
	Connector Pipes				
D	Purchase, supply and install 2" Galvanised iron inlet/outlet/scour pipe to the tank (The Rates to be inclusive of the accessories and fittings)	No	9		
	Painting				
E	Allow for the complete installation to be painted as recommended by the manufacturers or the Engineer	LS	1		
	Testing & Sterilizing				
G	Test and sterilize tank including all necessary chemicals	LS	1		
PAGE TOTAL CARRIED TO BILL COLLECTION SHEET					

**BILL 2.7 REFURBISHMENT OF EXISTING
PUMP HOUSE**

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
=25*.6*.1	15 <u>CONCRETE PLINTHS</u>				
F711	50 mm concrete Grade 15 for blinding	m3	2.00		
F243.2	Ditto to ground floor slab	m3	3.50		
F243.3	Ditto to 4 No plinth slabs	m3	1.50		
F243.4	Ditto to ring beams	m3	1.50		
G812	Provide 20 mm screed, cement and sand (1:2) to smooth finish to floor slabs	m2	50.00		
	<u>FORMWORK</u>				
G455.1	Sawn formwork to sides of the foundation	m2	30.00		
G455.3	Ditto to beams	m2	15.00		
	<u>REINFORCEMENT BARS</u> <u>High Tensile to BS4449</u>				
G524	12 mm diameter	kg	60.00		
G522	8 mm diameter	kg	55.00		
G527	A 142 mesh	m2	88.00		
PAGE TOTAL CARRIED TO BILL 2.7 COLLECTION SHEET					

**BILL 2.7 REFURBISHMENT OF EXISTING
PUMP HOUSE**

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	ROOF				
O81.1	Provide and fix in position trusses to pump House	nr	6.00		
O81.2	Ditto purlins	m	65.00		
M72.1	Ditto 3m prepainted Galvanized Sheets IT5 BP 950 profile sheets 28 gauge	m2	56.00		
M72.2	Ditto pre-painted G.S close fitting ridges	m	8.50		

O122	Ditto prepainted fascia boards size 200x25mm	m	35.00		
N294.1	Ditto, GS gutter 22 gauge	m	18.00		
N294.2	Ditto, GS gutter stop ends	nr	4.00		
J181	<u>Ditto, 100 mm GS DN down-stand pipes for gutter</u>	nr	4.00		
	FIXTURES				
X243	Double leaf metal door frame 1.5 m wide by 2.2m high and allow for 300m long R16 metal grills	nr	2.00		
X9.1	Approved padlock, yale or similar	nr	2.00		
O132	1.2 m wide, 2.2 m high T & G door	nr	2.00		
X9.2	Approved lock, like yale or similar	nr	2.00		
W248	25 mm Vertical joint filler Polystyrene or Bondex or similar	m	20.00		
PAGE TOTAL CARRIED TO BILL 2.7 COLLECTION SHEET					

BILL 2.7 REFURBISHMENT OF EXISTING PUMP HOUSE

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	BILL 2.7 COLLECTION PAGE				
	PAGE 17 TOTAL				
	PAGE 18 TOTAL				
BILL 2.7 BILL TOTAL TAKEN TO TREATMENT WORKS SUMMARY PAGE					

BILL 2.0 TREATMENT WORKS GRAND SUMMARY PAGE

ITEM NO.	DESCRIPTION	AMOUNT (KShs)
	TREATMENT WORKS SUMMARY PAGE	
2.1	TREATMENT WORKS SITE	
2.2	INLET CHAMBER	
2.3	CHEMICAL STORAGE, MIXING AND MEASURING PLATFORM	
2.4	2 No. COMPOSITE FILTRATION UNIT (C.F.U)	
2.5	CLEAR WATER 225M3 MASONRY TANK	
2.6	24M3 ELEVATED STEEL TANK	
2.7	REFURBISHMENT OF THE PUMP HOUSE	
BILL TOTAL TAKEN TO TAKABA WATER SUPPLY GRAND SUMMARY		

BILL 3.0 - 100M3 MASONRY TANK (SUMP)

ITEM	DESCRIPTION	UNIT	QUANTIT Y	RATE (KSh)	AMOUNT (KSh)
4.5	EXCAVATIONS AND FILLINGS				
	To include for all trimming to levels, backfilling with approved selected spoil, compacting, disposal of surplus material and reinstatement.				
4.5.1	General excavation for the sump tank depth not exceeding 4m deep	m ³	230.00		
4.5.3	Approved Hardcore backfill minimum depth 450mm compacted in 150mm layers to floor slab and 300mm front area (1.5m wide allround)	m ³	32.00		
4.5.4	50mm of Approved Murrum blinding to floor slab	m ³	3.00		
	WALLING				
4.5.5	75X 225 X 450mm thick block walling superstructures walling in 1:3 sand/cement mortar	m ²	90		
	CONCRETE WORKS				
4.5.6	Provide and place the following concrete including all form work.				
4.5.7	1:3 cement/sand ferro cement to wall	m ²	15		
4.5..8	Concrete grade 15/20 -50 mm thick blinding to floor	m ³	3		
4.5..8	Concrete grade 25/20 - 200 mm thick reinforced concrete floor slab	m ³	12		

4.5.11	Reinforced concrete grade 25/20 - 150mm thick roof slab	m ³	12		
4.5.14	40mm thick sand/cement screed to floor slab	m ²	50		
4.5.15	25mm thick sand/cement screed to roof slab	m ²	50		
4.5.17	680 X 490 X50mm thick precast reinforced concrete MH covers	Nr	2		
	PAGE TOTAL CARRIED TO SECTION COLLECTION SHEET				
	FORMWORK				
4.5.18	Edges ground slab 150mm wide	m	22		
4.5.19	Sump edges, 200mm Deep	m	2		
4.5.20.	Edges of roof slab 200 thick	m	22		
4.5.21	Underneath roof slab, including props	m ²	38		
	REINFORCEMENT				
	Provide support and fix the following reinforcement, including all cutting, bending and supports. As per the provided bar schedule and drawing				
4.5.22	8mm dia. high yield Steel bars (In wall and roof)	Kg	315		
4.5.23	10mm dia. High yield steel bars (In floor and wall)	Kg	1050		
4.5.24	12mm dia. High yield steel bars (in floor)	Kg	330		
4.5.24	16mm dia. High yield steel bars (In roof)	Kg	640		
	Pipe and Fittings				
4.5.31	90mm PE/80mm GI adaptor	No.	7		
4.5.32	90mm PE SDR17	m	30		
	Inlet (GI)				
4.5.33	80mm dia. Flanged Tee	No.	2		
4.5.34	80mm dia. Single flanged pipe 1500mm long with paddle Flanged	No.	1		
4.5.35	80mm dia. Flanged Adaptor	No.	3		
4.5.36	80mm dia. all flanged pipe 750mm long with paddle flange	No.	2		
	PAGE TOTAL CARRIED TO SECTION COLLECTION SHEET				
4.5.37	80mm GI straight 1250mm long	m	1		
4.5.38	80mm all flanged pipes 1650mm long	No.	1		
4.5.39	80mm dia. all flanged pipe 500mm long with paddle flange	No.	1		
4.5.40	80mm dia. Flanged Butterfly Valve	No.	1		
4.5.41	80mm GI blank flange	No.	1		
4.5.42	80 mm GI Flanged Elbow	No.	2		
	PAGE TOTAL CARRIED TO SECTION COLLECTION SHEET				
	Overflow (GI)				

4.5.59	100 x 150mm GS Flanged Bell mouth	No.	1		
4.5.60	80mm dia. all flanged pipe 1650mm long	No.	1		
4.5.61	80mm dia. all flanged pipe 500mm long	No.	1		
4.5.62	80mm dia. Flanged Adaptor	No.	2		
4.5.63	80mm dia. all flanged pipe 750mm long with paddle flange	No.	2		
4.5.64	80mm GI straight 1000mm long	No.	1		
4.5.65	160mm PVC Drain Pipe	m	6		
	Finishes				
4.5.66	Bitumen to 25mm thick joint along slab	litres	1		
4.5.67	25mm thick water proof cement plaster to wall interior face	m ³	3		
4.5.68	Provide and install approved water level indicator	No.	2.00		
	Drainage				
4.5.69	160 mm Dia. Drainage pipe	m	20.00		
4.5.70	650 X 600mm X 1200mm deep drainage manhole	No.	1.00		
	PAGE TOTAL CARRIED TO SECTION COLLECTION SHEET				
	BILL 5.0 COLLECTION				
1	BROUGHT FORWARD FROM PAGE 1				
2	BROUGHT FORWARD FROM PAGE 2				
3	BROUGHT FORWARD FROM PAGE 3				
4	BROUGHT FORWARD FROM PAGE 4				
	BILL NO.5 TOTAL CARRIED TO GRAND SUMMARY				

BILL 2.0 - TREATMENT WORKS					
BILL NO. 4. ADMINISTRATION HOUSE AND STORE (4.9m*12.05m)					
ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	CLASS D: SITE CLEARANCE				
	Site Clearance				
4.1.1	Clear site of small bushes and grub roots of small trees and cart away	m ²	80		
	CLASS E: EARTHWORKS				
	Excavations				
4.1.2	Excavations of top soil to reduced levels n.e.200 mm deep and cart away	m ³	16		
4.1.3	Excavate foundation trenches n.e 1500mm deep from stripped level	m ³	35		
4.1.4	Extra over excavations for excavating in rock	m ³	11		

	<u>Filling</u>				
4.1.5	250mm Hard-core including for paving all round the block	m ³	18		
4.1.6	50mm Stone dust blinding including for paving all round the block	m ²	60		
4.1.7	Disposal of excavated materials				
4.1.8	Return fill and ram	m ³	30		
	<u>Damp Proof Membrane</u>				
4.1.9	Single layer of 500 gauge polythene sheeting laid on blinded hard-core with 150 mm side laps to receive concrete including for paving all round the block	m ²	60		
	<u>Anti - termite treatment</u>				
4.1.10	Treat surface of hard-core with approved ant-termite solution applied strictly in accordance with the manufacturer's instructions including for paving all round the block	m ²	60		
	<u>CLASS F: CONCRETE WORK</u>				
	<u>Plain concrete (1:4:8) in :-</u>				
4.1.11	50mm Concrete 1:4:8 Blinding	m ³	3		
	<u>Vibrated Reinforced concrete class 20 in :-</u>				
4.1.12	Strip bases	m ³	6		
	PAGE TOTAL CARRIED TO SECTION COLLECTION SHEET				
	<u>Mild steel round bars reinforcement to B.S. 4449</u>				
4.1.13 a	10m Diameter bars provided as per the drawing and bar schedule	Kg	220		
	<u>Steel fabric mesh reinforcement to B.S. 4483</u>				
4.1.14	BRC mesh fabric reinforcement ref A142 (weighing 2.2kg/m ²) laid in ramp (measured net-no allowance made for lamps)	m ²	60		
	<u>Sawn formwork to: -</u>				
4.1.15	Vertical sides of strip bases	m ²	14		
4.1.16	Vertical edges of slab 150mm	m	49		
	<u>CLASS U: MASONRY</u>				
	<u>Solid concrete block bedded and jointed in cement and sand (1:4) mortar</u>				
4.1.17	200mm Thick foundation walling with hoop iron at alternate courses	m ²	49		
	<u>R.C. SUPERSTRUCTURE</u>				
	<u>Vibrated Reinforced concrete class 20 in :-</u>				
4.1.18	<u>Ring beams</u>	m ³	2.5		
4.1.19	125mm Thick floor slab	m ³	8		
	<u>Sawn formwork as described to:-</u>				
4.1.21	<u>beams</u>	m ²	45		
4.1.22	<u>Horizontal Soffit of slab</u>	m	35		

4.1.23	Vertical sides and Soffit window and door cill	m	7		
	EXTERNAL WALLING				
4.1.24	<u>Solid concrete block bedded and jointed in cement and sand (1:4) mortar</u>				
4.1.25	200mm Walling	m ²	80		
	Approved damp proof course				
4.1.26	200mm Wide	m	34		
	PAGE TOTAL CARRIED TO SECTION COLLECTION SHEET				
	INTERNAL WALLING				
	<u>Solid concrete block bedded and jointed in cement and sand (1:4) mortar</u>				
4.1.27	150mm Walling including gables	m ²	34		
	ROOFING				
	<u>Structural Timber as Described</u>				
	<u>Sawn cypress grade II, pressure impregnated</u>				
4.1.28	100 x 50mm Purlin	m	80		
4.1.29	100 x 50mm Hip rafter, tie beam and struts	m	90		
4.1.30	200 x 50mm Sawn cypress Ridge board	m	13		
	<u>Troughed sheet covering</u>				
	<u>Take Delivery and Fix Only 0.6 mm thick Aluminium Zinc coated prepainted 'Saflock 700' roofing sheets with 10 years warranty as manufactured by 'Mabati Rolling Mills Ltd' with 95 mm side and 150 mm head laps to Z-purlins and including supply of fixing clips</u>				
3.1.31	<u>Extra over for:- Roof covering</u>	m ²	80		
4.1.32	Ridge capping to match	nr	3		
	WINDOWS				
	<u>Supply and Fix the following purpose made steel framed Louvre windows manufactured from heavy duty standard sections primed with one coat of red oxide primer and fixing to masonry or concrete head and jambs complete with closing mechanism and other fittings.</u>				
4.1.33	<u>Window size 1800 x 1200 mm high overall (W1)</u>	nr	5		
4.1.34	Window size 1200 x 1200 mm high overall (W2) DOORS	nr	1		
	<u>Supply and Fix the following purpose made steel doors manufactured from heavy duty standard sections primed with one coat of red oxide primer and fixing to masonry or concrete head and jambs complete ironmongery.</u>				
4.1.35	Glazed double single swing door overall size 910 x 2100mm high (Type D1)	nr	1		

	PAGE TOTAL CARRIED TO SECTION COLLECTION SHEET				
4.1.36	Glazed double single swing door overall size 910 x 2100mm high (Type D2)	nr	1		
	<u>FINISHES</u>				
	<u>EXTERNAL WALL FINISHES</u>				
	15 mm thick cement and sand (1:4) as described to:-				
4.1.37	Horizontal keying to all external surface	m ²	70		
	15 mm thick cement and sand (1:4) as described to:-				
4.1.37	Sides of concrete or stone block surfaces including the beam and gable finishes	m ²	15		
	-				
	Prepare surface, prime as necessary and apply approved stone finish strictly in accordance with manufacturers specification to:				
4.1.38	Externally keyed surfaces	m ²	70		
	Prepare and apply one undercoat and two coats approved external plastic emulsion paint to:				
4.1.39	externally rendered surfaces	m ²	15		
	<u>INTERNAL WALL FINISHES</u>				
	15mm thick lime plaster (1:2:9) as described to:-				
4.1.40	Sides of walls	m ²	223		
	<u>PAINTING AND DECORATING</u>				
	Prepare and apply three coats plastic emulsion paint to:				
4.1.41	Plastered walls	m ²	223		
	<u>FLOOR FINISHES</u>				
	Cement and sand (1:4) screed as described in:-				
4.1.43	32 mm thick screed	m ²	79		
4.1.44	300x300mm floor tiles	m ²	80		
4.1.44	150x150mm bathroom toilet/walls and kitchen area	m ²	28		
	PAGE TOTAL CARRIED TO SECTION COLLECTION SHEET				
	<u>CEILING FINISHES AND ELECTRICAL INSTALLATIONS</u>				
4.1.45	12mm THK "celotex" soft board ceiling fixed to a 50mm X 50mm batten with all finished installed including paint	m ²	80		
4.1.46	Provisional Sum Allow for electrical wiring and fittings installations	PS	1		
4.1.47	Allow for contractor handling and profit	item	10%		

	<u>Laboratory Fixtures</u>				
4.1.46	Provide and fix laboratory worktop on 100mm raised concrete 1050mm total length by 650mm height and 660mm high as well as drawers of 130mm high x 450mm wide x 650mm deep complete with doors, handles, hinges and made from block board and painted with primer and two coats of first quality gloss paint	Item	1		
4.1.47	Provide and fix firmly supported on wall steel cabinet overall size 2750mm long x 500mm high x 300mm deep divided into cupboard of individual sizes 275mm wide x 300mm high and 500mm deep as well as drawers of 130mm high x 275mm wide x 500mm deep complete with doors, handles, hinges and made from block board and painted with primer and two coats of first quality gloss paint	Item	1		
4.1.50	Provide and fix in place 460 litres overhead tank	nr	2		
	PAGE TOTAL CARRIED TO SECTION COLLECTION SHEET				
	<u>PLUMBING WORKS AND DRAINAGE</u>				
	<u>Supply and install the following including all material and jointing to supply, waste and overflow pipes:-</u>				
4.1.53	Twyford vitreous China "Classic H.O" low level wash-down W.C suite including 7.5 litre cistern complete with all fittings	nr	1		
4.1.54	Twyford vitreous China "Classic 530" wash basin comprising one tap hole, chain and stay hole, wall bracket and Cobra pillar tap 1/2" with chrome plated handle, chrome beaded chain waste 1 1/4" waste and white plastic bottle P trap and all other fittings	nr	1		
4.1.55	Stainless steel 800mm long by 600mm wide sink on reinforced concrete floor slab supported on 150mm thick masonry resting on 100mm thick concrete raised platform on ground floor slab comprising one two holes, chain and stay hole, wall bracket and Cobra pillar tap 1/2" with chrome plated handle, chrome beaded chain waste 1 1/4" waste and white plastic bottle P trap and all other fittings	nr	1		
4.1.56	Chrome plated towel rail 20mm diameter, 650mm long complete with end brackets	nr	1		
4.1.57	Twyford vitreous China built in soap tray size 165mm by 165mm	nr	1		
4.1.58	Twyford vitreous China semi recessed toilet roll holder	nr	1		
4.1.59	Wall mirror size 610mm x 457mm made from bevelled glass plate screwed to the wall	nr	1		

	INTERNAL DRAINAGE				
	<u>Supply and fix the following in uPVC and mPVC soil and waste system to BS 4515 with fitting fixed to manufacturer's printed instruction. Allow for pipe fixing clips and holder bats plugged and screwed.</u>		1		
4.1.59	100mm uPVC soil pipe	m	12		
4.1.60	100mm PVC soil pipe	nr	2		
4.1.61	50mm PVC soil pipe	nr	2		
4.1.62	37.5mm soil pipe	nr	2		
4.1.63	30mm soil pipe	nr	2		
	PAGE TOTAL CARRIED TO SECTION COLLECTION SHEET				
	<u>Extra over uPVC and mPVC pipe work for the following</u>				
	<u>Sweep Bends</u>				
4.1.64	100mm long radius	nr	1		
4.1.65	30mm long radius bend	nr	1		
4.1.66	37.5mm long radius bend	nr	1		
4.1.67	30mm single branch	nr	1		
4.1.68	37.5mm single branch	nr	1		
4.1.69	30mm access plugs	nr	1		
4.1.70	37.5mm access plugs	nr	1		
4.1.71	37.5mm socket reducer	nr	1		
4.1.72	100mm WC connector	nr	1		
4.1.73	30mm access plugs	nr	1		
4.1.73	37.5mm access plugs	nr	1		
4.1.74	37.5mm socket reducer	nr	1		
4.1.75	100mm WC connector	nr	1		
4.1.76	100mm Vent cowl	nr	1		
4.1.77	Weathering plate	nr	1		
4.1.78	Floor trap consisting trapped floor gully and inlet	nr	2		

4.1.79	Gully trap comprising gully piece, "p" trap spigot outlet with screws and washers and 300x 300mm masonry gully trap chamber with GMS cover	nr	1		
	INTERNAL PLUMBING				
	<u>Galvanised mild steel class "B" tubing to BS 1387 and fittings with screwed and socket joints to BS 21 including fixing and joints:-</u>				
	15mm Diameter	nr	2		
4.1.80	20mm diameter	Nr	2		
4.1.81	25mm diameter	Nr	3		
	PAGE TOTAL CARRIED TO SECTION COLLECTION SHEET				
4.1.82	32mm diameter	Nr	4		
	<u>Bends and Elbows</u>				
4.1.83	15mm Diameter	Nr	1		
4.1.84	20mm diameter	Nr	1		
4.1.85	25mm diameter	Nr	2		
4.1.86	32mm diameter	Nr	1		
	Tees				
4.1.87	20x15 diameter GI Tee	Nr	1		
4.1.88	25x20mm ditto	Nr	1		
4.1.89	25x25mm ditto	Nr	2		
4.1.90	32x25mm ditto	Nr	1		
	Reducers				
4.1.91	20x15 diameter GI Reducer	Nr	1		
4.1.92	25x20mm ditto	Nr	1		
4.1.93	32x25mm ditto	Nr	1		
4.1.94	15mm Diameter GI Unions	Nr	1		
4.1.95	20mm diameter	Nr	1		
4.1.96	25mm diameter	Nr	2		

4.1.97	32mm diameter	Nr	1		
4.1.98	15mm Diameter gate valve as "Peglar" or similar approved	Nr	1		
4.1.99	20mm diameter Ditto		1		
4.1.100	25mm diameter Ditto	Nr	1		
4.1.101	32mm diameter Ditto	Nr	1		
4.1.102	15mm Diameter bib tap with hose connector as "Peglar" or similar approved	Nr	1		
4.1.102	15mm diameter copper tubing or flexible tubing 300mm long bent as required with flared ends for connecting pipe to fittings	Nr	2		
PAGE TOTAL CARRIED TO SECTION COLLECTION SHEET					
BILL NO. 4 COLLECTION					
1	BROUGHT FORWARD FROM PAGE 1				
2	BROUGHT FORWARD FROM PAGE 2				
3	BROUGHT FORWARD FROM PAGE 3				
4	BROUGHT FORWARD FROM PAGE 4				
5	BROUGHT FORWARD FROM PAGE 5				
6	BROUGHT FORWARD FROM PAGE 6				
7	BROUGHT FORWARD FROM PAGE 7				
8	BROUGHT FORWARD FROM PAGE 8				
BILL NO.3.3 TOTAL CARRIED TO GRAND SUMMARY					

BILL 2.0 - TREATMENT WORKS**BILL NO. 5 . 24M ELEVATED STEEL TANK 12 M (BACKWASH)**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE (KES)	AMOUNT (KES)
	<p>ELEVATED STEEL TANK. Works comprises of design and fabrication of a 24 Cubic metre tank on a 12 meters tower. The contractor to carryout geophysical survey and design for the tank foundation and provide designs for approval before works commences at the ground. The steel plates, strut and tie members of the frame as well must be assessed at the fabrication site and approved before transportation to site.</p> <p>Material specifications</p> <ul style="list-style-type: none"> • Hot rolled sections to BS 4360 Grade 43A or equivalent. • Cold formed sections to BS 5950 Part 5: 1997 or equivalent. • Bolt and nuts to BS 3692 and BS 4190 or equivalent. • Welding specifications to BS 5135 or equivalent. • Welding electrodes to BS 635 or equivalent. <p>Wind load to CP3 chapter V part 2</p>				
	PRELIMINARY				
3.3.1	<p>Provide for Geotechnical investigations for foundatuions at the identified sites through standard penetration test (STP)/excavation of trial pits/boring and collecting samples which are subjected to laboratory tests to determine soil's physical properties that will be used to pre inform soils's bearing capacity of the proposed sites.</p> <p>NB: The test results and</p>	LS	1.00		

	recomendations are to be submitted for approvals with tanks design (3.3.2) before any works commences.				
	PRESSED STEEL TANK (BS PART 2)				
3.3.2	<p>Fabricate, supply and erect on an elevated steel tower a pressed steel tank effective capacity 24 m³ of 4.5 mm thick panels elevated at 12 m height tower complete with steel roof cover 3mm sheets, internal bracing, brackets ,access cover and internal and external ladder, calibrated level indicator, fasteners, threaded nozzles, sealants and lockable manhole. Tank to be painted with two coats of non-toxic black bituminous paint internally and one coat of grey primer and two coats of silver aluminum externally.</p> <p>NB.(this is design and build item. the quotation which is lump sum will be accompanied by preliminary design of the tank, technical drawings and design calculations. The tank must be fit for purpose and performance and safety of the tank is the responsibility of the design-build contractor.</p>	No.	1.00		
	12M TOWER- (BS499)				

3.3.3	Design, provide shop drawings, fabricate ,deliver and erect a 12 m high steel tower above foundation level steelwork complete with primer and aluminum paint to carry 24 m3 steel tank. The tower to comprise of UC/UB columns angle bracings, chequered plate platform and beams, access cat ladder and railing on the platform and fixtures necessary for erection.	No.	1.00		
	PLUMBING				
3.3.4	Supply, deliver and install 8" G.I class B pipe for the inlet work, outlet and overflow for the 24 m3 steel water tank on 12 m steel tower. Rate to include gate valves and all necessary fittings including fasteners and anchor to the ground lever.	Lumpsum	1.00		
	FOUNDATION				
3.3.5	Design and provide construction drawing for concrete class 20/20 foundation for the 12 m high steelwork to carry 24 m3 steel water tank.On a raft foundation/ strip foundation as will be directed by the Engineer upon approval of the foundation details and design proposed issued.	No.	1.00		
	CHAMBERS				
3.3.6	Provide all materials and construct valve chambers of internal dimensions as shown on the standard drawings and the fitting schedule for the specific nodes . Include for supply and fixing of precast concrete cover and step irons, etc as detailed in drawings. Depth n.e. 1.5m	No.	3.00		
PAGE TOTAL CARRIED TO SECTION COLLECTION SHEET					

BILL 3 - WATER PANS TO WATER TREATMENT PLANT PIPELINE

BILL 3.1 - RISING MAINS PIPELINE TO WTP

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	CLASS A: GENERAL ITEMS				
	Testing of The Works				
A260.1	Carrying out test on DN 160mm pipeline as specified or decided by the Engineer. Include provision fall equipment and materials	m	1,705		
	Specified Requirements				
	CLASS D:DEMOLITION AND SITE CLEARANCE <u>clearance shall include demolition and removal of natural and artificial articles, objects and obstructions which are above the original surface. Items for demolition and site clearance shall be deemed to include disposal of materials arising. Items for general clearance include removal of hedges and removal of hedges stumps of any diameter and disposal of materials arising of. Items for removal of trees shall include removal of stumps where required. The girth shall be measured 1m above the ground level. (provisional)</u>				
3D100	General clearance	ha	0.3		
3D210	Trees of girth 500mm - 1m	nr	1		
3D220	Trees of girth 1 - 2m	nr	1		
3D310	Stumps of diameter 150 - 500mm	nr	1		
3D320	Stumps of diameter 500 mm - 1m	nr	1		
	CLASS I: PIPEWORK - PIPES				

	<p>Supply and Transport to site. Transport from site store, lay and joint pipes in trench, include for excavation, preparation of surfaces, disposal of excavated material, shoring sides of excavation and backfilling.</p> <p>Note:- Trench width and minimum cover to pipes is as per the Specifications. The cost shall include for strutting, shuttering, stabilizing the earth faces of trenches and keeping the trenches free of water from whatever source by pumping or other means and cost of use of selected soil from the excavated material for compaction in bed and surround to backfilling of trenches, all as specified.</p>				
	<p>PAGE TOTAL CARRIED TO COLLECTION PAGE</p>				

BILL 3.1 - RISING MAINS PIPELINE TO WTP

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	<p><u>Supply, handle, deliver to site, lay and joint and test (rate to include cutting to size, fixing and jointing materials inclusive of sockets, mechanical joints, or rubber rings where applicable).</u> <u>HDPE Pressure Pipe, SDR 11, HDPE PN10 with Butt Fusion (seamless) Jointing unless otherwise stated</u> <u>Approved High Density Polyethylene Pipes (HDPE)</u> HDPE DN 160</p>				
I732	Depth n.e 1.5 m	m	1,605		
I733	Depth 1.5-2 m	m	38		
I734	Depth 2-3 m	m	42		
	<p><u>GI PIPES</u> <u>Supply, deliver and instal the following GI pipes double flanged as directed by the engineer, the price should include anchorage, Connection details and asociated fittings</u></p>				

I421	<i>Dia 160 mm flanged for river and road crossings, and rocky ground</i>	m	20.00		
PAGE TOTAL CARRIED TO COLECTION PAGE					

BILL 3.1 - RISING MAINS PIPELINE TO WTP

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	CLASS J: PIPEWORK - FITTINGS AND VALVES				
	VALVES				
J510	50 mm flanged double air valve PN 10 fitted to 160mm diameter HDPE Main. Include all the required Fittings	nr	1		
J502	50 mm flanged single air valve PN 10 fitted to 160 mm diameter HDPE Main. Include all the required Fittings	nr	2		
J503	WASHOUTS 110 mm. DN HDPE washout fitted on 160 mm diameter HDPE pipe outfall for scour	nr	1		
	CHAMBERS <u>Supply and deliver materials on site, excavate for a construct complete chambers including precast concrete cover slabs where necessary as shown on the drawing</u> Provide all materials and construct WASHOUT chambers internal dimensions 1400mm x 1400mm. Include for supply and fixing of lockable concrete cover and step irons, as detailed in drawing				
3K231	Depth: not exceeding 2.5 m	No	1		
	Provide all materials and construct AIR VALVE chambers internal dimensions 1400mm x 1400mm. Include for supply and fixing of lockable concrete cover and step irons, as detailed in drawing				
3K232	Depth: not exceeding 2.5 m	No	2		

	<p>Reinstatement <u>Breaking up, temporary and permanent reinstatement of roads</u> Include for payment for all statutory fees to the local authorities.</p>				
3K732.2	Gravel Roads. Pipe nom. bore not exc. 300mm.	m	12		
K6	<p>Crossings Including support/ achorage to pipe if any</p>				
K611	River, stream or canal, width 1-3m, pipe bore n.e 160mm	nr	1		
K621	River, stream or canal, width 3-10m, pipe bore n.e 160 mm	nr	-		
K661	Fence Crossing, pipe bore not exceeding 160 mm	nr	2		
3I34	Excavations in Soft Rock (provisional)	m3	5		
3I45	Excavations in Hard Rock (provisional)	m3	3		
	<p>Other Pipework Ancillaries Pipe markers shall be made from reinforced precast concrete to detail. This item shall be deemed to include supply and fixing the pipe markers and painting as directed by the engineer.</p>				
K320.1	Pipeline marker post	nr	16		
K820.2	Air valve marker post	nr	2		
K820.3	Washout marker post	nr	1		
PAGE TOTAL CARRIED TO COLECTION PAGE					

BILL 3.1 - RISING MAINS PIPELINE TO WTP

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	BILL 3.1 COLLECTION PAGE				
	From page 1				
	From page 2				
	From page 3				
	From page 4				
BILL 3 COLLECTION CARRIED TO GRAND SUMMARY					

BILL 4 - WATER TREATMENT PLANT TO TAKABA HILLS PIPELINE

BILL 4.1 - RISING MAINS PIPELINE

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	CLASS A: GENERAL ITEMS				
	Testing of The Works				
A260.1	Carrying out test on DN 160mm pipeline as specified or decided by the Engineer. Include provision fall equipment and materials	m	150		
	<p>Specified Requirements</p> <p>CLASS D:DEMOLITION AND SITE CLEARANCE <u>clearance shall include demolition and removal of natural and artificial articles, objects and obstructions which are above the original surface. Items for demolition and site clearance shall be deemed to include disposal of materials arising. Items for general clearance include removal of hedges and removal of hedges stumps of any diameter and disposal of materials arising of. Items for removal of trees shall include removal of stumps where required. The girth shall be measured 1m above the ground level. (provisional)</u></p>				

3D100	General clearance	ha	0.0		
3D210	Trees of girth 500mm - 1m	nr	1		
3D220	Trees of girth 1 - 2m	nr	2		
3D310	Stumps of diameter 150 - 500mm	nr	1		
3D320	Stumps of diameter 500 mm - 1m	nr	2		
<p>CLASS I: PIPEWORK - PIPES Supply and Transport to site. Transport from site store, lay and joint pipes in trench, include for excavation, preparation of surfaces, disposal of excavated material, shoring sides of excavation and backfilling. Note:- Trench width and minimum cover to pipes is as per the Specifications. The cost shall include for strutting, shuttering, stabilizing the earth faces of trenches and keeping the trenches free of water from whatever source by pumping or other means and cost of use of selected soil from the excavated material for compaction in bed and surround to backfilling of trenches, all as specified.</p>					
PAGE TOTAL CARRIED TO COLECTION PAGE					

BILL 4.1 - RISING MAINS PIPELINE

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	<i>Supply, handle, deliver to site, lay and joint and test (rate to include cutting to size, fixing and jointing materials inclusive of sockets, mechanical joints, or rubber rings where applicable). HDPE Pressure Pipe, SDR 11 , HDPE PN10 with Butt Fusion (seamless) Jointing unless otherwise stated Approved High Density Polyethylene Pipes (HDPE)</i> HDPE DN 160				
I732	Depth n.e 1.5 m	m	67		
I733	Depth 1.5-2 m	m	13		
	<i>GI PIPES</i> <i>Supply, deliver and instal the following GI pipes double flanged as directed by the engineer,the price should include anchorage, Connection details and asociated fittings</i>				
I421	Dia 160 mm for river and road crossings,and rocky ground	m	70.00		
PAGE TOTAL CARRIED TO COLECTION PAGE					

BILL 4.1 - RISING MAINS PIPELINE

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
K6 K6	Crossings CROSSINGS				
K611	River, stream or canal, width 1-3m, pipe bore n.e 160mm	nr	1		
3I34	Excavations in Soft Rock (provisional)	m3	2		
3I45	Excavations in Hard Rock (provisional)	m3	2		
	<i>Other Pipework Ancillaries</i>				

	<u>Pipe markers shall be made from reinforced precast concrete to detail. This item shall be deemed to include supply and fixing the pipe markers and painting as directed by the engineer.</u>				
K320.1	Pipeline marker post	nr	2		
K820.2	Air valve marker post	nr	3		
K820.3	Washout marker post	nr	1		
K820.4	Non-return valve marker post	nr	1		
PAGE TOTAL CARRIED TO COLLECTION PAGE					

BILL 4.1 - RISING MAINS PIPELINE

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	BILL 4.1 COLLECTION PAGE				
	From page 1				
	From page 2				
	From page 3				
	From page 4				
BILL 4 COLLECTION CARRIED TO GRAND SUMMARY					

BILL 5 - DARWED BOREHOLE TO TAKABA HILLS PIPELINE

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	<p>CLASS A: GENERAL ITEMS</p> <p>Testing of The Works</p>				
A260.1	Carrying out test on DN 110mm pipeline as specified or decided by the Engineer. Include provision fall equipment and materials	m	6,195		
	<p>Specified Requirements</p> <p>CLASS D:DEMOLITION AND SITE CLEARANCE <u>clearance shall include demolition and removal of natural and artificial articles, objects and obstructions which are above the original surface. Items for demolition and site clearance shall be deemed to include disposal of materials arising. Items for general clearance include removal of hedges and removal of hedges stumps of any diameter and disposal of materials arising of. Items for removal of trees shall include removal of stumps where required. The girth shall be measured 1m above the ground level. (provisional)</u></p>				
3D100	General clearance	ha	1.2		
3D210	Trees of girth 500mm - 1m	nr	1		
3D220	Trees of girth 1 - 2m	nr	1		
3D310	Stumps of diameter 150 - 500mm	nr	0		
3D320	Stumps of diameter 500 mm - 1m	nr	0		
	<p>CLASS I: PIPEWORK - PIPES</p>				

	Supply and Transport to site. Transport from site store, lay and joint pipes in trench, include for excavation, preparation of surfaces, disposal of excavated material, shoring sides of excavation and backfilling. Note:- Trench width and minimum cover to pipes is as per the Specifications. The cost shall include for strutting, shuttering, stabilizing the earth faces of trenches and keeping the trenches free of water from whatever source by pumping or other means and cost of use of selected soil from the excavated material for compaction in bed and surround to backfilling of trenches, all as specified.				
	PAGE TOTAL CARRIED TO COLECTION PAGE				
	<u>Supply, handle, deliver to site, lay and joint and test (rate to include cutting to size, fixing and jointing materials inclusive of sockets, mechanical joints, or rubber rings where applicable). HDPE Pressure Pipe, SDR 11 , HDPE PN12.5 with Butt Fusion (seamless) Jointing unless otherwise stated</u> <u>Approved High Density Polyethylene Pipes (HDPE)</u> - HDPE DN 110				
I732	Depth n.e 1.5 m	m	6,065		
I733	Depth 1.5-2 m	m	60		
I734	Depth 2-2.5 m	m	10		
	<u>GI PIPES</u> <u>Supply, deliver and instal the following GI pipes double flanged as directed by the engineer, the price should include anchorage, Connection details and asociated fittings</u>				
I421	Dia 110 mm for river and road crossings, and rocky ground	m	60.00		
PAGE TOTAL CARRIED TO COLECTION PAGE					

BILL 5 - DARWED BOREHOLE TO TAKABA HILLS PIPELINE

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	CLASS J: PIPEWORK - FITTINGS AND VALVES VALVES				
J861.1	DN110mm approved flanged double orifice air release and vacuum break valve	No	3		
	WASHOUTS				
3J863.4	Washout Valve (50mm opening) on DN110mm pipe	No.	3.0		
	Supply handle, deliver to site fix in place inclusive of all jointing fittings/ accessories and test non return valves to tees as per instructions				
373,223.50	DN 90 HDPE check valve to BS 5163	No	2		
	Water Metres Supply and install a HDPE master meter approved by the engineer and all jointing materials				
3J863.6	DN 110mm water meter	No	1		
	CHAMBERS <u>Supply and deliver materials on site, excavate for a construct complete chambers including precast concrete cover slabs where necessary as shown on the drawing</u> Provide all materials and construct WASHOUT chambers internal dimensions 1400mm x 1400mm. Include for supply and fixing of lockable concrete cover and step irons, as detailed in drawing				
3K231	Depth: not exceeding 2.5 m	No	3		
	Provide all materials and construct AIR VALVE chambers internal dimensions 1400mm x 1400mm. Include for supply and fixing of lockable concrete cover and step irons, as detailed in drawing				

U111.1	Depth: not exceeding 2.5 m	No	3		
	<i>Reinstatement</i> <i>Breaking up, temporary and permanent reinstatement of roads</i> <i>Include for payment for all statutory fees to the local authorities.</i>				
3K732.2	Gravel Roads. Pipe nom. bore not exc. 110mm.	m	12		
K6 K6	Crossings Including support/ achorage to pipe if any				
K611	River, stream or canal, width 1-3m, pipe bore n.e 110mm	nr	2		
K621	River, stream or canal, width 3-10m, pipe bore n.e 110mm	nr	1		
K661	Fence Crossing, pipe bore not exceeding 110 mm	nr	3		
3I34	Excavations in Soft Rock (provisional)	m3	7		
3I45	Excavations in Hard Rock (provisional)	m3	6		
	<i>Other Pipework Ancillaries</i>				
	<u>Pipe markers shall be made from reinforced precast concrete to detail. This item shall be deemed to include supply and fixing the pipe markers and painting as directed by the engineer.</u>				
3K320.1	Pipeline marker post	nr	5		
8K820.2	Air valve marker post	nr	3		
8K820.3	Washout marker post	nr	3		
8K820.4	Non-return valve marker post	nr	2		
PAGE TOTAL CARRIED TO COLECTION PAGE					

BILL 5 - DARWED BOREHOLE TO TAKABA HILLS PIPELINE

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	BILL 5 COLLECTION				
	From page 1				
	From page 2				
	From page 3				
	From page 4				
BILL 5 COLLECTION CARRIED TO GRAND SUMMARY					

BILL NO. 6 - REHABILITATION WORKS

BILL NO. 6.1: TAKABA HILLS TANKS

ITEM No.	DESCRIPTION	UNIT	QUANTITY	RATE (KShs.)	AMOUNT KSHS
A	EARTHWORKS				
	<u>EXCAVATION FOR FOR FOUNDATIONS</u>				
i	In class I material max. depth 2 - 5 m for re-use	m3	2		
ii	In class II material max. depth 2 - 5 m for disposal	m3	10		
iii	In class III material max. depth 2 - 5 m for disposal	m3	14		
B	FILLING AND COMPACTION				
i	Hardcore Using excavated Class I material.	m3	21		
	Provide Gabions around the sections around all the tanks rate to include gabion boxes 2X1X1m	m3	100		
C	IN-SITU CONCRETE Provide and Place Concrete Class 15/20				
ii	for blinding 50-100	m ³	5		
	Concrete Class 25/20				
	for Outside protection gabions	m3	6.5		
iii	For bottom slab & roof slab	m ³	29		
iv	For middle support column	m ³	3.6		
D	CONCRETE ANCILLARIES				
i	Dimensions as per details on drawings. Formwork; Rough Finish; Plane Vertical.External sides of base slab; width <0.2	m ²	25		
ii	Curved vertical form work, fair finish for sides of walls	m ²	35		
iii	Plane horizontal formwork fair finish for soffits of roof slab	m ²	68.5		
E	REINFORCEMENT High yield steel bars to SSRN 126 or 127				
i	Diameter: 8mm	kg	375		
ii	Diameter: 10mm	kg	18		

iii	Diameter: 12mm	kg	2200		
iv	Diameter: 16mm	kg	730		
F	JOINTS				
i	Formed surface joint with bondex filler at tank bottom width or depth: not exceeding 0.5 m.	m2	3		
G	CONCRETE ACCESSORIES Finishing of top surfaces				
i	Steel towel finish	m2	65		
H	PIPE & PIPE FITTINGS - SUPPLY				
i	Drain uPVC Pipes, Class C, 90 mm dia	m	24		
I	Fittings to Welded Steel pipes				
	Total taken to collection page				1,865,388.59

BILL NO. 6.1: TAKABA HILLS TANKS

ITEM No.	DESCRIPTION	UNIT	QUANTITY	RATE (KShs.)	AMOUNT KSHS
	GI PIPES				
	Bends				
i	80 mm diameter GI long radius 90 degrees bends.	nr	2		
ii	200 mm diameter GI long radius 90 degrees bends.	nr	2		
	80mm diameter 45 degrees double flanged bend	nr	1		
	200mm Double Flanged Short radius bend	nr	1		
	Flanged Beat Equilibrium Float Valve	nr	1		
	Tapers				
iii	150 x 100 mm dia. GI taper	nr	2		
	80x50 mm Double flanged taper	nr	1		
	Adaptors and couplings				
iv	200 mm diameter upvc/GI adaptor	nr	2		
v	80 mm dia PVC adaptor Type A2 (flanged adaptors)	nr	2		
	Flanged Adaptors				
	200mm Flanged Adaptors	nr	4		
	Pipe pieces and bellmouths				
xi	200mm dia GI bellmouth(single Flanged)	nr	1		
xii	200mm dia Blind Flange	nr	1		
xiii	200mm diameter Single Flanged pipe with paddle flange 500mm from one end (Length 2.1m)	nr	1		
xiv	80x50 All Flanged Tees	nr	1		
xv	80mm Single flanged pipe with paddle flange (0.4m Length)	nr	2		
xvi	Single Flanged pipe with Beveled End (Length 1.5m)	nr	1		
xvii	80mm Single Flanged pipe with paddle flange 450mm from Plain End	nr	1		
	Single Flanged pipe				
xviii	80mm single flanged pipe (Length 1.5m)	nr	1		
xix	200mm Single Flanged pipe with central paddle flange (length 0.6m)	nr	1		
xx	80mm Single flanged pipe	nr	1		
xxi	200mm Single Flanged pipe (length 1m)	nr	2		

xxii	200mm Single Flanged pipe (Length 2.5m)	nr	1		
xxiii	200mm Single flanged Steel pipe (Length 1m)	nr	1		
J	Valves, Penstocks, Hydrants, Meters				
	Gate valves				
i	100 mm dia. Double flanged gate valve	nr	0		
ii	200mm dia. Double flanged gate valve	nr	1		
iii	200mm dia Woltman bulk water meter	nr	1		
iv	200mm and 80mm dia All Flanged Gate Valve	nr	2		
K	PIPEWORK - CHAMBERS AND PIPEWORK ANCILLARIES				
i	Gate valve chamber, size 1800 x 1800 mm internal dimensions , depth n.e 1.0m	nr	1		
ii	Bulk water meter chamber, size 900 x 900 mm internal dimensions, depth an.e 1.0m	nr	1		
iii	Overflow/Washout valve chamber size 900x900mm internal dimensions depth n.e. 1.0 m.	nr	1		
Total taken to collection page					

BILL NO. 6.1: TAKABA HILLS TANKS

ITEM No.	DESCRIPTION	UNIT	QUANTITY	RATE (KShs.)	AMOUNT KSHS
L	PIPEWORK - SUPPORTS AND PROTECTION, ANCILLARIES TO LAYING AND EXCAVATION				
i	Extras to excavate and backfilling, excavation of Class II material.	m ³	23		
	Concrete Class 15/20 in Stools and Thrust Blocks				
ii	Nominal bore n.e 200 mm; volume 0.2 - 0.5 m ³	nr	5		
M	MISCELLANEOUS METALWORK Rate to include supply and fixing and inclusive of foundations where applicable.				

i	Galvanised mild steel internal ladders with stringers returned to form handrails	m	1		
ii	Galvanised mild steel external ladders with stringers returned to form handrails	m	1		
iii	Lockable mild steel sheet metal covers for access manholes	nr	4		
iv	Step irons.	nr	20		
N	BRICKWORK, BLOCKWORK & MASONRY Dense concrete blockwork				
i	150 x 225mm composite construction in vertical curved walls	m ²	30		
	Blockwork ancillaries				
iv	Joint reinforcement using 10mm thick 1:2 cement sand mortar with 10mm dia bars at the center in every course	m	400		
O	PAINTING				
i	Bituminous paint on masonry to grove formed from cement sand mortar at the bottom of the wall	m ²	4		
	Provide water paint on masonry tank walls		96.6		
P1	Damp proofing				
i	Using rendering in ordinary cement mortar of curved walls	m ²	85		
ii	provide 25mm render on internal and external walls with water proof cement	m ²	95.6		
Q	MISCELLANEOUS WORK				
i	Provide and fix vent pipes	nr	3		
	Stelilization and water tightness testing	nr	1		
	Total taken to collection page				

BILL NO. 6.1: TAKABA HILLS TANKS

ITEM No.	DESCRIPTION	UNIT	QUANTITY	RATE (KShs.)	AMOUNT KSHS
	BILL 6.1 COLLECTION PAGE				
	From page 5				
	From page 6				
	From page 7				
	Total taken to Bill 6 Collection page				

BILL 6.0 REHABILITATION WORKS GRAND SUMMARY PAGE

ITEM NO.	DESCRIPTION			AMOUNT (KShs)
	REHABILITATION WORKS SUMMARY PAGE			
6.1	RENOVATION OF TAKABA HILLS TANKS			
BILL 6 TOTAL TAKEN TO TAKABA WATER SUPPLY GRAND SUMMARY				

BILL 7 - TAKABA PIPELINES

BILL NO 7.1 TRANSMISSION PIPELINE

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	CLASS A: GENERAL ITEMS				
	Testing of The Works				
A260.1	Carrying out test on 200,160,125,90mm pipeline as specified or decided by the Engineer. Include provision fall equipment and materials	m	1,853		
	Specified Requirements				
	CLASS D:DEMOLITION AND SITE CLEARANCE <u>clearance shall include demolition and removal of natural and artificial articles, objects and obstructions which are above the original surface. Items for demolition and site clearance shall be deemed to include disposal of materials arising. Items for general clearance include removal of hedges and removal of hedges stumps of any diameter and disposal of materials arising of. Items for removal of trees shall include removal of stumps where required. The girth shall be measured 1m above the ground level. (provisional)</u>				
3D100	General clearance	ha	0.4		
3D210	Trees of girth 500mm - 1m	nr	2		
3D220	Trees of girth 1 - 2m	nr	1		
3D310	Stumps of diameter 150 - 500mm	nr	1		
3D320	Stumps of diameter 500 mm - 1m	nr	1		
	CLASS I: PIPEWORK - PIPES				

<p>Supply and Transport to site. Transport from site store, lay and joint pipes in trench, include for excavation, preparation of surfaces, disposal of excavated material, shoring sides of excavation and backfilling. Note:- Trench width and minimum cover to pipes is as per the Specifications. The cost shall include for strutting, shuttering, stabilizing the earth faces of trenches and keeping the trenches free of water from whatever source by pumping or other means and cost of use of selected soil from the excavated material for compaction in bed and surround to backfilling of trenches, all as specified. <u>Excavations shall include for strutting, Shuttering, stabilizing excavated surfaces and keeping excavations free of water bailing out, pumping or other means</u></p>				
PAGE TOTAL CARRIED TO COLECTION PAGE				

BILL NO 7.1 TRANSMISSION PIPELINE

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	<p><i>Supply, handle, deliver to site, lay and joint and test (rate to include cutting to size, fixing and jointing materials inclusive of sockets, mechanical joints, or rubber rings where applicable). HDPE Pressure Pipe, SDR 11 , HDPE PN10 with Butt Fusion (seamless) Jointing unless otherwise stated.</i></p> <p>- <u>DN 200</u></p> <p>-</p>				
I712	Depth n.e 1.5 m	m	534		
	<u>DN 160</u>				
I712	Depth n.e 1.5 m	m	486		
	<u>DN 125</u>				
I712	Depth n.e 1.5 m	m	520		
	DN 90				
I712	Depth n.e 1.5 m	m	273		
	<p><u>GI PIPES</u> <i>Supply, deliver and instal the following GI pipes double flanged as directed by the engineer,the price should include</i></p>				

	<u>anchorage, Connection details and associated fittings</u>				
	DN 160mm PN 10.5 for river and road crossings and rock areas	m	40		
PAGE TOTAL CARRIED TO COLECTION PAGE					

BILL NO 7.1 TRANSMISSION PIPELINE

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	All Fittings to PN 10.5. Butt fusion fittings for DN 110 and above while Compression fittings for DN90 and below. Rate to include for all Steel-HDPE connection fittings where applicable. Air Valves, Fire Hydrants and Washouts Supply, handle, deliver to site, fix in place and test inclusive of all fittings, including flanged tees and steel fittings, steel pipes inclusive as per drawing No. **** (rate to exclude construction of chambers).				
3J861.4	DN 125 pipeline DN50 Single small-orifice Air Valve	No	1		
3J861.5	Ditto but on DN 110 pipeline DN50 Single small-orifice Air Valve	No	2		
3J861.4	Ditto but on DN 90 pipeline DN50 Single small-orifice Air Valve	No	2		
	Supply, handle, deliver to site, fix in place and test inclusive of all fittings, including flanged tees and steel fittings, steel pipes connections inclusive as per drawing No. **** (rate to exclude construction of chambers).				
3J863.3	Washout Valve (50mm opening) on DN160mm pipe	No.	2		
3J863.4	Washout Valve (50mm opening) on DN90mm pipe	No.	4.0		
3J862.5	Fire Hydrants to BS 750 Type 2	No.	2		
PAGE TOTAL CARRIED TO COLECTION PAGE					

BILL NO 7.1 TRANSMISSION PIPELINE

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	TEES Supply, handle, deliver to site, fix in place and test inclusive of all fittings to details. Include for necessary HDPE-Steel joining fittings. (rate to exclude gate valves or sluice valves and construction of chambers but include for all other jointing materials and fittings)				
3J323.12	ditto But for 200x160 Tee	No	1		
3J323.13	ditto But for 160x75 Tee	No	1		
3J323.14	ditto But for 160x110 Tee	No	1		
3J323.15	ditto But for 160x40Tee	No	2		
3J323.11	ditto But for 125x110 Tee	No	1		
3J323.11	ditto But for 125x40 Tee	No	2		
3J323.12	ditto But for 125x25 Tee	No	1		
3J323.12	ditto But for 90x63 Tee	No	1		
3J323.13	ditto But for 90x50 Tee	No	1		
	Provide for GI-HDPE -To include for all necessary fittings and all works associated with connect to existing GI pipes <u>Supply, handle, deliver to site, fix in place inclusive of all jointing fittings/accessories and test Sluice valve and gate valve to Tees as shown in drawing No.*****. For:</u>				
3J311.4	DN 200 flanged Sluice Valves to BS 5163 type "Glenfield/avk " PN10 or approved equivalent	No	1		
3J311.5	DN 160 flanged Sluice Valves to BS 5163 type "Glenfield/avk " PN10 or approved equivalent	No	1		
3J311.4	DN 125 flanged Sluice Valves to BS 5163 type "Glenfield/avk " PN10 or approved equivalent	No	1		
3J311.5	DN 90 flanged Sluice Valves to BS 5163 type "Glenfield/avk " PN10 or approved equivalent	No	1		
PAGE TOTAL CARRIED TO COLECTION PAGE					

BILL NO 7.1 TRANSMISSION PIPELINE

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
3J831.1	REDUCERS TAPPER/STEP COUPLING <u>Supply, handling, fixing in place and testing inclusive of all fittings</u>				
8J381.5	Ditto but for DN 160x125	No	1		
8J381.6	Ditto but for DN 160x90	No	1		
8J381.8	Ditto but for DN 125x110	No	1		
8J381.8	Ditto but for DN 200x160	No	1		
8J381.8	Ditto but for DN 110x90	No	1		
	Water Meters				
8J381.6	Supply and install a DN 200mm dia master meter approved by the Engineer. Rate to include all jointing materials.	No.	1		
8J381.9	Ditto but DN160mm-Woltmann zonal bulk water meters	No	1		
8J381.9	Ditto but DN125mm-Woltmann zonal bulk water meters	No	1		
8J381.9	Ditto but DN 90mm-Woltmann zonal bulk water meters	No	2		
	CLASS K: PIPEWORK - MANHOLES AND PIPEWORK ANCILLARIES Chambers <u>Supply and deliver materials on site, excavate for a construct complete chambers including precast concrete cover slabs where necessary as shown on the drawing</u> Provide all materials and construct WASHOUT chambers internal dimensions 1400mm x 1400mm. Include for supply and fixing of lockable concrete cover and step irons, as detailed in drawing				
3K231	Depth: not exceeding 2 m	No	4		
PAGE TOTAL CARRIED TO COLECTION PAGE					

BILL NO 7.1 TRANSMISSION PIPELINE

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	Provide all materials and construct CONTROL VALVE chambers internal dimensions 1400mm x 1400mm. Include for supply and fixing of lockable cover and step irons, as detailed in drawing				
3K232	Depth: not exceeding 3 m	No	4		
	Provide all materials and construct AIR VALVE chambers internal dimensions 1400mm x 1400mm. Include for supply and fixing of lockable concrete cover and step irons, as detailed in drawing				
3K234	Depth: not exceeding 3 m	No	4		
3K235	Ditto as 2.73 but for Fire hydrants type 2 to BS 750 as on drawing	No	2		
	Reinstatement <i>Breaking up, temporary and permanent reinstatement of roads</i> Include for payment for all statutory fees to the local authorities.				
3K732.2	Gravel Roads. Pipe nom. bore not exc. 300mm.	m	12		
K6	Crossings <u>River crossings, width exceeding 10m, including all couplings, reinforced concrete piers, surrounds, bearings etc</u>				
K611	River, stream or canal, width 1-3m, pipe bore n.e 200mm	nr	1		
K621	River, stream or canal, width 3-10m, pipe bore n.e 300mm	nr	-		
K671	Sewer, ditch or drain crossing, pipe bore not exceeding 300mm	nr	-		
3I34	Excavations in Soft Rock (provisional)	m3	3		
3I45	Excavations in Hard Rock (provisional)	m3	2		
	Other Pipework Ancillaries <u>Pipe markers shall be made from reinforced precast concrete to detail. This item shall be deemed to include supply and fixing the pipe markers and painting as directed by the engineer.</u>				
3K320.1	Pipeline marker post	nr	3		
8K820.2	Air valve marker post	nr	6		
8K820.3	Washout marker post	nr	10		
8K820.4	Sluice Valve marker post	nr	2		
	PAGE TOTAL CARRIED TO COLECTION PAGE				

BILL NO 7.1 TRANSMISSION PIPELINE

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	BILL 7.1 COLLECTION				
	From page 1				
	From page 2				
	From page 3				
	From page 4				
	From page 5				
	From page 6				
	BILL NO.7 TOTAL CARRIED TO GRAND SUMMARY				

BILL 8 - TAKABA PIPELINES

BILL NO 8.1 DISTRIBUTION PIPELINES

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	CLASS A: GENERAL ITEMS				
	Testing of The Works				
A260.1	Carrying out test on 63,50,40,32,25mm pipeline as specified or decided by the Engineer. Include provision fall equipment and materials	m	8,238		
	Specified Requirements				
	CLASS D:DEMOLITION AND SITE CLEARANCE clearance shall include <u>demolition and removal of natural and artificial articles, objects and obstructions which are above the original surface. Items for demolition and site clearance shall be deemed to include disposal of materials arising. Items for general clearance include removal of hedges and removal of hedges stumps of any diameter and disposal of materials arising of. Items for removal of trees shall include removal of stumps where required. The girth shall be measured 1m above the ground level. (provisional)</u>				
3D100	General clearance	ha	1.6		
3D210	Trees of girth 500mm - 1m	nr	1		
3D220	Trees of girth 1 - 2m	nr	0		
3D310	Stumps of diameter 150 - 500mm	nr	0		
3D320	Stumps of diameter 500 mm - 1m	nr	0		
	CLASS I: PIPEWORK - PIPES				

<p>Supply and Transport to site. Transport from site store, lay and joint pipes in trench, include for excavation, preparation of surfaces, disposal of excavated material, shoring sides of excavation and backfilling. Note:- Trench width and minimum cover to pipes is as per the Specifications. The cost shall include for strutting, shuttering, stabilizing the earth faces of trenches and keeping the trenches free of water from whatever source by pumping or other means and cost of use of selected soil from the excavated material for compaction in bed and surround to backfilling of trenches, all as specified. <u>Excavations shall include for strutting, Shuttering, stabilizing excavated surfaces and keeping excavations free of water bailing out, pumping or other means</u></p>				
<p>PAGE TOTAL CARRIED TO COLECTION PAGE</p>				

BILL NO 8.1 DISTRIBUTION PIPELINES

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	<p><i><u>Supply, handle, deliver to site, lay and joint and test (rate to include cutting to size, fixing and jointing materials inclusive of sockets, mechanical joints, or rubber rings where applicable). HDPE Pressure Pipe, SDR 11 , HDPE PN10 with Butt Fusion (seamless) Jointing unless otherwise stated.</u></i></p>				
3I035	DN63				-
I712	Depth n.e 1.5 m	m	2,811		
3I034	DN 50				
I712	Depth n.e 1.5 m	m	2,321		
3I037	DN 40				
I712	Depth n.e 1.5 m	m	1,009		
	DN 32				
I712	Depth n.e 1.5 m	m	1,100		
	DN 25				

1712	Depth n.e 1.5 m	m	997	
PAGE TOTAL CARRIED TO COLECTION PAGE				

BILL NO 8.1 DISTRIBUTION PIPELINES

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	<p>Compression fittings for DN90 and below. Rate to include for all Steel-HDPE connection fittings where applicable.</p> <p>Air Valves, Fire Hydrants and Washouts</p> <p>Supply, handle, deliver to site, fix in place and test inclusive of all fittings, including flanged tees and steel fittings, steel pipes inclusive as per drawing No. **** (rate to exclude construction of chambers).</p>				
3J861.5	DN 50 pipeline DN50 Single small-orifice Air Valve	No	2		
	DN 40 pipeline DN50 Single small-orifice Air Valve	No	2		
	<p>Supply, handle, deliver to site, fix in place and test inclusive of all fittings, including flanged tees and steel fittings, steel pipes connections inclusive as per drawing No. **** (rate to exclude construction of chambers).</p>				
3J863.5	Washout Valve (50mm opening) on DN63mm pipe	No.	2		
	Ditto but on DN50mm pipe	No	2		
	Ditto but on DN40mm pipe	No	3		
	Ditto but on DN25mm pipe	No	1		
3J862.5	Fire Hydrants to BS 750 Type 2	No.	2		
PAGE TOTAL CARRIED TO COLECTION PAGE					

BILL NO 8.1 DISTRIBUTION PIPELINES

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	TEES Supply, handle, deliver to site, fix in place and test inclusive of all fittings to details. Include for necessary HDPE-Steel joining fittings. (rate to exclude gate valves or sluice valves and construction of chambers but include for all other jointing materials and fittings)				
3J323.12	ditto But for 200x160 Tee (4 way Tee)	No	1		
3J323.13	ditto But for 160x75 Tee	No	1		
3J323.14	ditto But for 160x110 Tee	No	1		
3J323.15	ditto But for 160x40Tee	No	1		
3J323.11	ditto But for 125x110 Tee	No	1		
3J323.11	ditto But for 125x40 Tee	No	1		
3J323.12	ditto But for 125x25 Tee	No	1		
3J323.13	ditto But for 110x90 Tee	No	1		
3J323.11	ditto But for 110x50 Tee	No	1		
3J323.11	ditto But for 110x40 Tee	No	1		
3J323.12	ditto But for 90x63 Tee	No	1		
3J323.13	ditto But for 90x50 Tee	No	1		
3J323.14	ditto But for 75x63Tee	No	1		
3J323.15	ditto But for 75x50Tee	No	1		
3J323.16	ditto But for 75x40 Tee	No	1		
3J323.17	ditto But for 63x40 Tee	No	1		
3J323.18	ditto But for 50x40 Tee	No	1		
	Provide for GI-HDPE -To include for all necessary fittings and all works associated with connect to existing GI pipes <u>Supply, handle, deliver to site, fix in place inclusive of all jointing fittings/accessories and test Sluice valve and gate valve to Tees as shown in drawing No.*****. For:</u>				
3J311.5	DN 63 flanged Sluice Valves to BS 5163 type "Glenfield/avk " PN10 or approved equivalent	No	3		

3J311.5	DN 50 flanged Sluice Valves to BS 5163 type "Glenfield/avk " PN10 or approved equivalent	No	3		
3J311.5	DN 40 flanged Sluice Valves to BS 5163 type "Glenfield/avk " PN10 or approved equivalent	No	4		
3J311.5	DN 25 flanged Sluice Valves to BS 5163 type "Glenfield/avk " PN10 or approved equivalent	No	2		
PAGE TOTAL CARRIED TO COLECTION PAGE					

BILL NO 8.1 DISTRIBUTION PIPELINES

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	REDUCERS				
3J831.1	<u>Supply, handling, fixing in place and testing inclusive of all fittings</u>				
8J381.5	Ditto but for DN 160x125	No	1		
8J381.6	Ditto but for DN 160x90	No	1		
8J381.7	Ditto but for DN 160x63	No	2		
8J381.8	Ditto but for DN 125x110	No	1		
8J381.8	Ditto but for DN 110x75	No	1		
8J381.8	Ditto but for DN 110x63	No	1		
8J381.8	Ditto but for DN 75x63	No	1		
8J381.8	Ditto but for DN 63x40	No	1		
	Water Meters				
8J381.6	Supply and install a DN 63mm dia master meter approved by the Engineer. Rate to include all jointing materials.	No.	3		
	CLASS K: PIPEWORK - MANHOLES AND PIPEWORK ANCILLARIES				
	Chambers				
	<u>Supply and deliver materials on site, excavate for a construct complete chambers including precast concrete cover slabs where necessary as shown on the drawing</u>				

3K231	Provide all materials and construct WASHOUT chambers internal dimensions 1400mm x 1400mm. Include for supply and fixing of lockable concrete cover and step irons, as detailed in drawing Depth: not exceeding 3 m	No	8		
PAGE TOTAL CARRIED TO COLECTION PAGE					

BILL NO 8.1 DISTRIBUTION PIPELINES

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	Provide all materials and construct CONTROL VALVE chambers internal dimensions 1400mm x 1400mm. Include for supply and fixing of lockable cover and step irons, as detailed in drawing				
3K232	Depth: not exceeding 3 m	No	4		
	Provide all materials and construct AIR VALVE chambers internal dimensions 1400mm x 1400mm. Include for supply and fixing of lockable concrete cover and step irons, as detailed in drawing				
3K234	Depth: not exceeding 3 m	No	4		
3K235	Ditto as 2.73 but for Fire hydrants type 2 to BS 750 as on drawing	No	2		
3K732.2	<i>Reinstatement</i> <i>Breaking up, temporary and permanent reinstatement of roads</i> <i>Include for payment for all statutory fees to the local authorities.</i> Gravel Roads. Pipe nom. bore not exc. 200mm.	m	18		
K6	Crossings <u>River crossings, width exceeding 10m, including all couplings, reinforced concrete piers, surrounds, bearings etc</u>				
K611	River, stream or canal, width 1-3m, pipe bore n.e 150mm	nr	1		
K671	Sewer, ditch or drain crossing, pipe bore not exceeding 150mm	nr	-		
K681	Other underground services, pipe bore not exceeding 150 mm	nr	3		
	-				
3I34	Excavations in Soft Rock (provisional)	m3	2		
3I45	Excavations in Hard Rock (provisional)	m3	2		
	<i>Other Pipework Ancillaries</i>				

	<u>Pipe markers shall be made from reinforced precast concrete to detail. This item shall be deemed to include supply and fixing the pipe markers and painting as directed by the engineer.</u>				
3K320.1	Pipeline marker post	nr	21		
8K820.2	Air valve marker post	nr	4		
8K820.3	Washout marker post	nr	12		
8K820.4	Sluice Valve marker post	nr	10		
	CLASS L: PIPEWORK - SUPPORTS AND PROTECTION, ANCILLARIES TO LAYING AND EXCAVATION Concrete Anchor blocks				
3L713.2	Provide and place mass concrete (1:3:6) for anchor blocks in bends etc Rate to include excavation and necessary formwork (provisional)	m ³	7		
PAGE TOTAL CARRIED TO COLECTION PAGE					

BILL NO 8.1 DISTRIBUTION PIPELINES

ITEM	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	BILL 6.2 COLLECTION				
	From page 8				
	From page 9				
	From page 10				
	From page 11				
	From page 12				
	From page 13				
	TOTAL CARRIED TO GRAND SUMMARY				

BILL 9.0 - CONSUMER CONNECTIONS

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
13I	TRENCHING, PIPES AND FITTINGS FOR CONSUMER CONNECTIONS <i>The following items combine a variety of works such as earthworks, civil works, supplies, mechanical works for pipe laying, testing, destroying of existing pipes, crossing and reinstatement of other underground communications, etc, ...All costs are deemed to be included and covered by the unit price!</i>				
13I7	<u>Trenching Pipes and Pipe Laying for Consumers Connection</u> Supply and installation of HDPE pipework, including all bends, fittings, specials, warning tapes, testing of pipes as specified, disinfection of pipes; covering also all necessary earthworks such as excavation, backfilling in maximum 30cm layers from/to level 30cm below finished ground level, bedding, compaction and crossings for other underground infrastructure. The item does not cover service valves as listed below, but includes any additional excavation required for these items. Pipe trench dimensions, bedding layers etc, in line with the standard drawings and specifications. <i>Pressure Pipe HDPE PN10 unless otherwise stated. Compression fittings</i>	-			
13I712.1	DN 25	m	500		
13I712.2	DN 20	m	500		
13I712.4	DN 16	m	1,000		
13J6	<u>Pipe saddles or T-pieces</u> Supply and installation of connections to distribution pipe by T-piece or pipe saddles-HDPE as specified, include for all works and fittings (wherever practicable saddles on larger pipes to be shared by several consumers); for distribution pipe diameter				
13J621.1	ON DN 90	Nr	20		
13J621.2	ON DN 63	Nr	40		
13J621.3	On DN 50	Nr	50		
13J621.4	Ditto but DN 40	Nr	80		
13J621.5	Ditto but DN 25	Nr	10		
13.3	<u>Underground water meter chambers</u>				

	Supply and installation of underground water meter chambers, including all (mechanical and earth!) works, fittings, tappers, valves and other supplies as per standard drawings. The item also including the water meter installation set with water meter substitution pipe but not the meter itself! The chamber suitable for the following water meter size:				
9K251.1	DN 16	Nr	20		
9K251.2	DN 20	Nr	50		
9K251.3	DN 25	Nr	80		
13X202	X: Miscellaneous works Connections and Installtion of meters to households Connection works to consumers are to be carried out in liason with the respective WSP, who will receive, process and approve the applications for connections before submitting them to the Contractor. Supply, Transport to site and hand over to Purchaser's Representative / WSP Store, DN 25,20 and 16mm Consumer Water Meters (Plastic Encased), Dry Plastic Water Meters, Piston Type, PSM Elser Kent or approved equivalent. The Meters to include inbuilt Meter Strainers & Non-Return Mechanism. Rate to include for Supply of Meters Liner (2Nr for each Meter). conforming to the given Technical Specifications with the neccessary fittings and accesories.				
13X202.1					
	DN 25	No.	80		
	DN 20	No.	50		
	DN 16	No.	20		
	PAGE TOTAL CARRIED TO COLECTION PAGE				

BILL 9.0 - CONSUMER CONNECTIONS

Original BoQ

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
13K6	Crossings				
13K651	Allow for crossing existing boundary walls, including reinstatement to original state. Nominal bore not exceeding 200mm (Provisional)	Nr	8		
13K661	Allow for crossing existing fences (chain link, barbed wire etc.) and existing boundary walls , including reinstatement to	Nr	5		

	original state. Nominal bore n.e. 200mm (Provisional)				
13K7	Reinstatement				
13K732	Breaking up, temporary and permanent reinstatement of murrum road and concrete/tarmac pavements with 300mm thick well graded stabilised gravel with 3% cement content base compacted using a 8-10 tonne roller to the satisfaction of the Engineer . Nominal bore ne 65mm . Contractor to allow for liason with relevant local authorities and obtaining approval for completed works in his rates.	m	12		

PAGE TOTAL CARRIED TO COLECTION PAGE				
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BILL 9.0 - CONSUMER CONNECTIONS

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (KShs)	AMOUNT (KShs)
	BILL 9 Collection Page				
	Total Page 139				
	Total Page 140				

BILL 9.0 COLLECTION CARRIED TO GRAND SUMMARY				
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BILL 10.: WATER TREATMENT PLANT (WTP1) -E&M WORKS - TAKABA PROJECT						
BILL OF QUANTITIES -WATER TREATMENT PLANT- TAKABA WATER SUPPLY						
ITEM NO.		UNIT	QTY	RATE	AMOUNT (KSHS)	
10.21.1	SUPPLY, INSTALL, SET TO WORK, TEST AND FULLY COMMISSION THE FOLLOWING ELECTRO-MECHANICAL WORKS -All to drawing detail, general and particuar technical specifications, engineer's approval and client's full satisfaction.All works to be done in a first class manner GENERAL REQUIREMENTS AND PC SUMS					
10.21.4	Provisional Sum Capital contribution to KPLC to supply grid power to the Water Treatment Plant and Water Pan site	PSum	1			
10.21.5	Add% for profit, administration, attendance, upon overheads, etc for items 10.21.4 above	%	10			
10.21.7	The tenderer is to describe hereunder by inserting any relevant clause number, any other works, obligation or things that may be referred to under the conditions of contract, specifications, or data schedules in respect of the works for which he desires to enter as a separate charge.(This charge is to be entered in the amount column) If no charge is entered hereunder, rates and amounts elsewhere in the schedule of prices shall be deemed to cover all expences for such	ITEM			Rate Only	
PAGE TOTAL CARRIED TO BILL COLLECTION SHEET						

BILL 10: WATER PREATMENT PLANT -E&M WORKS - TAKABA PROJECT					
BILL OF QUANTITIES -WATER TREATMENT PLANT- TAKABA WATER SUPPLY					
		UNIT	QTY	RATE	AMOUNT
10.21.8	Submersible Pump-Pan Sump				
	Supply, install, fix, test & commission intake Submersible pumps. Q-30m ³ /hr, at a head of 40m complete with associated control panel and cables connection to solar. The Pump will be powered by both Solar and National Grid (7.5KW).	nr	1		
	Submersible Pump-WTP				
10.21.10	Supply, install, fix test and commission HIGH LIFT transmission booster pumps with capacity q= 30m ³ /hr at a head of 50m complete with associated control panel and cablesThe Pump will be powered by both, Solar and National Grid (7.5KW)	nr	1		

	Supply and install complete solar system. The number of solar modules has been sized so as to provide sufficient power to deliver the quoted duties. The modules ought to be internationally certified to ISO, BS and UV standards.				
2	Fabrication and installation of solar support structure for the specified solar panels. Rate to include for system desing and testing. Use H-beams (single profile) cross section 150x150mm with 75mmx75mmx6mm struts and ties angle sections support to 38mmx6mm flat bars to hold panels tight into position. All joints braced. Height of the structure 5m above ground. the structure design must be preapproved before installationby the clients engineers .	Lump Sum	2		
3	330 W crystalline solar module (provisional, number of panels will be determined by the yield and depth of the borehole	Number	70		
4	PV disconnect switch 1000V- 40-5	Pcs	2		
5	Well Probe Sensor	Pcs	2		
6	PV protect 1000-125	Pcs	2		
7	Surge protector	Pcs	2		
8	PS communicator with 7 Ah battery and 20W solar panel and 1 year license access	Unit	2		
9	Cabling and other solar installation sundries and fittins	item	2		
16	2" water meter (Zenner) c/w flanges and reed switch	Pc	2		
19	Solar security light (50W LED light, 120W Solar Module, 150Ah Sealed maintenance free battery, Dawn-to dusk controller, 6m high pole c/w battery box (4 per site)	Number	8		
10.22.01	Darweed 1 Borehole Pumps Allow a Povisional sum Replacement of the existing pumping system. New borehole submersible pump SOLAR/HYBRID PUMP- AS A COMPLETE PACKAGE. Supply, install, test and commission asolar hybrid pump, discharge Q =15m3/hr, H= 290m inverter controller, 400 volts, surge protections, combiner as per specifications.	nr	1		

	Solar at Darweed 1 BH				
10.22.02	Allow a Povisional sum of Kes 2,000,000. for the augmentation of the existing solar at the Darweed 1 BH from replacing the existing 19KW with a 30KW power pumps inclusive of a lightning protection system (LPS). To inlcude additional solar support strucutures, cabling other fittings and accesories as required. The bidder to submitted a costed detailed bill for this	PC	1		
10.21.3	Add% for profit, administration, attendance,upon overheads, etc for items 10.22.02 above	%	10		
PAGE TOTAL CARRIED TO BILL					
COLLECTION SHEET					
COLLECTION SHEET FROM BILL					
COLLETION SHEET					AMOUNT (KSH)
1	SUMMARY SHEET 1:GENERAL REQUIREMENTS AND PC SUMS				
2	SUMMARY SHEET 2				
BILL NO. 10 TOTAL CARRIED TO GRAND SUMMARY					

	CATTLE TROUGHS				
	Excavation (Provisional)	UNIT	QTY	RATE	AMOUNT
E401	Prepare site by stripping top 150 mm of soil to remove all debris including sand (if any) from site and carting away spoil	m ²	52.00		
E402	Excavate for foundation strip commencing at stripped levels depth not exceeding 0.5m deep	m ³	5.00		
E403	Back fill around foundation	m ³	10.00		
	Filling				
E404	200mm thick approved hardcore, filling spread, well compacted in 150mm layers to receive concrete surface bed to include the benching fall 2m each side of the trough	m ³	15.00		
E404	Concrete work Mass concrete class 15 (1:3:6) with 20mm thick maximum aggregate size in				
E405	50mm blinding layer under foundations	m ³	0.50		
E406	50mm blinding layer on hardcore surfaces	m ³	3.00		
	Vibrated reinforced concrete class 25 (1:1.5:3) with 20mm maximum aggregate as described in:				
E407	Strip foundation	m ³	1.00		
E408	75mm thick concrete benching laid to falls and with surface steel trowelled rough (Optional)	m ³	4.20		
E409	100mm thick floor slab	m ³	1.00		
E410	Vibrated reinforced concrete class 25 (1:1.5:3) with 20mm maximum aggregate as described in:				
E411	150mm thick walls reinforcement	m ³	4.00		
E412	Mesh fabric reinforcement ref no A142 laid in floor slab with minimum 150mm side allowance (to include on the benching to falls)	m ²	72.00		
E413	Mesh fabric reinforcement ref no A142 for walling with anominal pitch of 200mm thick	m ²	21.00		
	Sawn Formwork				
E415	Formwork to sides of foundation strip girth 150-200mm	m	29.00		

E417	Formwork to edges of floor slab girth n.e 75mm	m	31.00		
E418	Formwork to side of walls	m ²	30.00		
	Walling				
1.2.7	150mm thick solid concrete block walling (Partition Wall)	m ²	3.00		
	Finishes Cement and sand mortar (1:3) in:				
1.2.8	12mm thick paving to floor with water proof cement (optional)	m ²	4.00		
1.2.9	15mm thick plaster to internal side of wall with water proof cement	m ²	14.00		
1.2.10	12mm thick plaster to enternal side of wall	m ²	12.00		
1.2.11	25 mm Thick screed with approved hardener to floor steel trowelled rough on benching (Optional)	m ²	60.00		
	Galvanised mild steel pipes class B medium thickness with and including jointing fittings and fixed as described				
1.2.12	25mm dia inlet pipe chiseled through masonry wall 300mm long with and including stop cork	sum	1.00		
1.2.13	25mm dia inlet pipe	No	1.00		
1.2.14	32mm dia PVC draw off pipe 300mm longwith and including gate valve	No	1.00		
	Total For 1 trough				
PAGE TOTAL CARRIED TO SECTION COLLECTION SHEET for 2 No Cattle Trough					

TAKABA WATER SUPPLY PROJECT GRAND SUMMARY

BILL NO.	DESCRIPTION	AMOUNT (Kshs)
1.0	Preliminary and General	
2.0	Water Treatment Works	
5.0	Administration Building and store	
6.0	100m3 Sump masonry tank	
	24m3 Elevated steel tank	
7.0	Rising Main from PAN-WTP	
8.0	Rising Main from WTP-Takaba Hills	
9.0	Rising Main Darwed BH-WTP-Takaba Hills	
10.0	Rehabilitation of Storage Tanks	
11.0	Distribution Network-Primary Transmission	
12.0	Distribution Network-Secondary and Tertiary	
13.0	Consumer Connections	
14.0	Electromechanical Works (Electricity & solar for WTP, Pan & Darweed BH)	
15.0	Construction of 2 No cattle trough	
	TOTAL TO GRAND SUMMARY	

**PART III - CONDITIONS OF CONTRACT
AND CONTRACT FORMS**

SECTION VIII - GENERAL CONDITIONS OF CONTRACT

These General Conditions of Contract (GCC), read in conjunction with the Special Conditions of Contract (SCC) and other documents listed therein, should be a complete document expressing fairly the rights and obligations of both parties.

These General Conditions of Contract have been developed on the basis of considerable international experience in the drafting and management of contracts, bearing in mind a trend in the construction industry towards simpler, more straightforward language.

The GCC can be used for both smaller admeasurement contracts and lump sum contracts.

General Conditions of Contract

A. General

1. Definitions

1.1 Bold face type is used to identify defined terms.

- a) **The Accepted Contract Amount** means the amount accepted in the Letter of Acceptance for the execution and completion of the Works and the remedying of any defects.
- b) **The Activity Schedule** is a schedule of the activities comprising the construction, installation, testing, and commissioning of the Works in a lump sum contract. It includes a lump sum price for each activity, which is used for valuations and for assessing the effects of Variations and Compensation Events.
- c) **The Adjudicator** is the person appointed jointly by the Procuring Entity and the Contractor to resolve disputes in the first instance, as provided for in GCC 23.
- d) **Bill of Quantities** means the priced and completed Bill of Quantities forming part of the Bid.
- e) **Compensation Events** are those defined in GCC Clause 42 hereunder.
- f) **The Completion Date** is the date of completion of the Works as certified by the Project Manager, in accordance with GCC Sub-Clause 53.1.
- g) **The Contract** is the Contract between the Procuring Entity and the Contractor to execute, complete, and maintain the Works. It consists of the documents listed in GCC Sub-Clause 2.3 below.
- h) **The Contractor** is the party whose Bid to carry out the Works has been accepted by the Procuring Entity.
- i) **The Contractor's Bid** is the completed bidding document submitted by the Contractor to the Procuring Entity.
- j) **The Contract Price** is the Accepted Contract Amount stated in the Letter of Acceptance and thereafter as adjusted in accordance with the Contract.
- k) **Days** are calendar days; months are calendar months.
- l) **Day works** are varied work inputs subject to payment on a time basis for the Contractor's employees and Equipment, in addition to payments for associated Materials and Plant.
- m) **A Defect** is any part of the Works not completed in accordance with the Contract.
- n) **The Defects Liability Certificate** is the certificate issued by Project Manager upon correction of defects by the Contractor.
- o) **The Defects Liability Period** is the period **named in the SCC** pursuant to Sub-Clause 34.1 and calculated from the Completion Date.
- p) **Drawings** means the drawings of the Works, as included in the Contract, and any additional and modified drawings issued by (or on behalf of) the Procuring Entity in accordance with the Contract, include calculations and other information provided or approved by the Project Manager for the execution of the Contract.
- q) **The Procuring Entity** is the party who employs the Contractor to carry out the Works, **as specified in the SCC**, who is also the Procuring Entity.
- r) **Equipment** is the Contractor's machinery and vehicles brought temporarily to the Site to construct the Works.

- s) **“In writing” or “written”** means hand-written, type-written, printed or electronically made, and resulting in a permanent record;
- t) The Initial Contract Price is the Contract Price listed in the Procuring Entity's Letter of Acceptance.
- u) **The Intended Completion Date** is the date on which it is intended that the Contractor shall complete the Works. The Intended Completion Date is **specified in the SCC**. The Intended Completion Date may be revised only by the Project Manager by issuing an extension of time or an acceleration order.
- v) **Materials** are all supplies, including consumables, used by the Contractor for incorporation in the Works.
- w) **Plant** is any integral part of the Works that shall have a mechanical, electrical, chemical, or biological function.
- x) **The Project Manager** is the person **named in the SCC** (or any other competent person appointed by the Procuring Entity 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.
- y) **SCC** means Special Conditions of Contract.
- z) **The Site** is the area of the works as **defined as such in the SCC**.
- aa) **Site Investigation Reports** are those that were included in the bidding document and are factual and interpretative reports about the surface and subsurface conditions at the Site.
- bb) **Specification** means the Specification of the Works included in the Contract and any modification or addition made or approved by the Project Manager.
- cc) **The Start Date** is **given in the SCC**. It is the latest date when the Contractor shall commence execution of the Works. It does not necessarily coincide with any of the Site Possession Dates.
- dd) **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.
- ee) **Temporary Works** are works designed, constructed, installed, and removed by the Contractor that are needed for construction or installation of the Works.
- ff) **A Variation** is an instruction given by the Project Manager which varies the Works.
- gg) **The Works** are what the Contract requires the Contractor to construct, install, and turn over to the Procuring Entity, **as defined in the SCC**.

2 Interpretation

- 21 In interpreting these GCC, words indicating one gender include all genders. Words indicating the singular also include the plural and words indicating the plural also include the singular. Headings have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. The Project Manager shall provide instructions clarifying queries about these GCC.
- 22 If sectional completion is specified in the SCC, references in the GCC to the Works, the Completion Date, and the Intended Completion Date apply to any Section of the Works (other than references to the Completion Date and Intended Completion Date for the whole of the Works).
- 23 The documents forming the Contract shall be interpreted in the following order of priority:
 - a) Agreement,
 - b) Letter of Acceptance,
 - c) Contractor's Bid,
 - d) Special Conditions of Contract,
 - e) General Conditions of Contract, including Appendices,
 - f) Specifications,
 - g) Drawings,
 - h) Bill of Quantities⁶, and
 - i) any other document **listed in the SCC** as forming part of the Contract.

⁶In lump sum contracts, delete “Bill of Quantities” and replace with “Activity Schedule.”

3. Language and Law

- 3.1 The language of the Contract is English Language and the law governing the Contract are the Laws of Kenya.
- 3.2 Throughout the execution of the Contract, the Contractor shall comply with the import of goods and services prohibitions in the Procuring Entity's Country when
 - a) as a matter of law or official regulations, Kenya prohibits commercial relations with that country; or
 - b) by an act of compliance with a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, Kenya prohibits any import of goods from that country or any payments to any country, person, or entity in that country.

4. Project Manager's Decisions

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

5. Delegation

- 5.1 Otherwise **specified in the SCC**, the Project Manager may delegate any of his duties and responsibilities to other people, except to the Adjudicator, after notifying the Contractor, and may revoke any delegation after notifying the Contractor.

6. Communications

- 6.1 Communications between parties that are referred to in the Conditions 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 Procuring Entity 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, and the Procuring Entity between the dates given in the Schedule of Other Contractors, as **referred to in the SCC**. The Contractor shall also provide facilities and services for them as described in the Schedule. The Procuring Entity may modify the Schedule of Other Contractors, and shall notify the Contractor of any such modification.

9. Personnel and Equipment

- 9.1 The Contractor shall employ the key personnel and use the equipment identified in its Bid, to carry out the Works or other personnel and equipment approved by the Project Manager. The Project Manager shall approve any proposed replacement of key personnel and equipment only if their relevant qualifications or characteristics are substantially equal to or better than those proposed in the Bid.
- 9.2 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.
- 9.3 If the Procuring Entity, Project Manager or Contractor determines, that any employee of the Contractor be determined to have engaged in Fraud and Corruption during the execution of the Works, then that employee shall be removed in accordance with Clause 9.2 above.

10. Procuring Entity's and Contractor's Risks

- 10.1 The Procuring Entity carries the risks which this Contract states are Procuring Entity's risks, and the Contractor carries the risks which this Contract states are Contractor's risks.

11. Procuring Entity's Risks

- 11.1 From the Start Date until the Defects Liability Certificate has been issued, the following are Procuring Entity'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 Procuring Entity 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 Procuring Entity or in the Procuring Entity's design, or due to war or radioactive contamination directly affecting the country where the Works are to be executed.
- 11.2 From the Completion Date until the Defects Liability Certificate has been issued, the risk of loss of or damage to the Works, Plant, and Materials is a Procuring Entity's risk except loss or damage due to
- aa) a Defect which existed on the Completion Date,
 - bb) an event occurring before the Completion Date, which was not itself a Procuring Entity's risk, or
 - cc) the activities of the Contractor on the Site after the Completion Date.

12. Contractor's Risks

- 12.1 From the Starting Date until the Defects Liability 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 Procuring Entity's risks are Contractor's risks.

13. Insurance

- 13.1 The Contractor shall provide, in the joint names of the Procuring Entity and the Contractor, insurance cover from the Start Date to the end of the Defects Liability Period, in the amounts and deductibles **stated in the SCC** for the following events which are due to the Contractor's risks:
- 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.
- 13.2 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 to be payable in the types and proportions of currencies required to rectify the loss or damage incurred.
- 13.3 If the Contractor does not provide any of the policies and certificates required, the Procuring Entity may effect the insurance which the Contractor should have provided and recover the premiums the Procuring Entity has paid from payments otherwise due to the Contractor or, if no payment is due, the payment of the premiums shall be a debt due.
- 13.4 Alterations to the terms of an insurance shall not be made without the approval of the Project Manager.
- 13.5 Both parties shall comply with any conditions of the insurance policies.

14. Site Data

- 14.1 The Contractor shall be deemed to have examined any Site Data **referred to in the SCC**, supplemented by any information available to the Contractor.

15. Contractor to Construct the Works

- 15.1 The Contractor shall construct and install the Works in accordance with the Specifications and Drawings.

16. The Works to Be Completed by the Intended Completion Date

16.1 The Contractor may commence execution of the Works on the Start Date and shall carry out the Works 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.

17. Approval by the Project Manager

17.1 The Contractor shall submit Specifications and Drawings showing the proposed Temporary Works to the Project Manager, for his approval.

17.2 The Contractor shall be responsible for design of Temporary Works.

17.3 The Project Manager's approval shall not alter the Contractor's responsibility for design of the Temporary Works.

17.4 The Contractor shall obtain approval of third parties to the design of the Temporary Works, where required.

17.5 All Drawings prepared by the Contractor for the execution of the temporary or permanent Works, are subject to prior approval by the Project Manager before this use.

18. Safety

18.1 The Contractor shall be responsible for the safety of all activities on the Site.

19. Discoveries

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

20. Possession of the Site

20.1 The Procuring Entity 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 SCC**, the Procuring Entity shall be deemed to have delayed the start of the relevant activities, and this shall be a Compensation Event.

21. Access to the Site

21.1 The Contractor shall allow the Project Manager and any 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.

22. Instructions, Inspections and Audits

22.1 The Contractor shall carry out all instructions of the Project Manager which comply with the applicable laws where the Site is located.

22.2 The Contractor shall keep, and shall make all reasonable efforts to cause its Subcontractors and sub-consultants to keep, accurate and systematic accounts and records in respect of the Works in such form and details as will clearly identify relevant time changes and costs.

22.3 The Contractor shall permit and shall cause its subcontractors and sub-consultants to permit, the Procuring Entity and/or persons appointed by the Public Procurement Regulatory Authority to inspect the Site and/or the accounts and records relating to the procurement process, selection and/or contract execution, and to have such accounts and records audited by auditors appointed by the Public Procurement Regulatory Authority. The Contractor's and its Subcontractors' and sub-consultants' attention is drawn to Sub-Clause 25.1 (Fraud and Corruption) which provides, inter alia, that acts intended to materially impede the exercise of the Public Procurement Regulatory Authority's inspection and audit rights constitute a prohibited practice subject to contract termination (as well as to a determination of ineligibility pursuant to the Public Procurement Regulatory Authority's prevailing sanctions procedures).

23. Appointment of the Adjudicator

- 23.1 The Adjudicator shall be appointed jointly by the Procuring Entity and the Contractor, at the time of the Procuring Entity's issuance of the Letter of Acceptance. If, in the Letter of Acceptance, the Procuring Entity does not agree on the appointment of the Adjudicator, the Procuring Entity will request the Appointing Authority designated in the SCC, to appoint the Adjudicator within 14 days of receipt of such request.
- 23.2 Should the Adjudicator resign or die, or should the Procuring Entity and the Contractor agree that the Adjudicator is not functioning in accordance with the provisions of the Contract, a new Adjudicator shall be jointly appointed by the Procuring Entity and the Contractor. In case of disagreement between the Procuring Entity and the Contractor, within 30 days, the Adjudicator shall be designated by the Appointing Authority designated in the SCC at the request of either party, within 14 days of receipt of such request.

24. Settlement of Claims and Disputes

24.1 Contractor's Claims

- 24.1.1 If the Contractor considers itself to be entitled to any extension of the Time for Completion and/or any additional payment, under any Clause of these Conditions or otherwise in connection with the Contract, the Contractor shall give Notice to the Project Manager, describing the event or circumstance giving rise to the claim. The notice shall be given as soon as practicable, and not later than 30 days after the Contractor became aware, or should have become aware, of the event or circumstance.
- 24.1.2 If the Contractor fails to give notice of a claim within such period of 30 days, the Time for Completion shall not be extended, the Contractor shall not be entitled to additional payment, and the Procuring Entity shall be discharged from all liability in connection with the claim. Otherwise, the following provisions of this Sub- Clause shall apply.
- 24.1.3 The Contractor shall also submit any other notices which are required by the Contract, and supporting particulars for the claim, all as relevant to such event or circumstance.
- 24.1.4 The Contractor shall keep such contemporary records as may be necessary to substantiate any claim, either on the Site or at another location acceptable to the Project Manager. Without admitting the Procuring Entity's liability, the Project Manager may, after receiving any notice under this Sub-Clause, monitor the record- keeping and/or instruct the Contractor to keep further contemporary records. The Contractor shall permit the Project Manager to inspect all these records, and shall (if instructed) submit copies to the Project Manager.
- 24.1.5 Within 42 days after the Contractor became aware (or should have become aware) of the event or circumstance giving rise to the claim, or within such other period as may be proposed by the Contractor and approved by the Project Manager, the Contractor shall send to the Project Manager a fully detailed claim which includes full supporting particulars of the basis of the claim and of the extension of time and/or additional payment claimed. If the event or circumstance giving rise to the claim has a continuing effect:
- a) this fully detailed claim shall be considered as interim;
 - b) the Contractor shall send further interim claims at monthly intervals, giving the accumulated delay and/or amount claimed, and such further particulars as the Project Manager may reasonably require; and
 - c) the Contractor shall send a final claim within 30 days after the end of the effects resulting from the event or circumstance, or within such other period as may be proposed by the Contractor and approved by the Project Manager.
- 24.1.6 Within 42 days after receiving a Notice of a claim or any further particulars supporting a previous claim, or within such other period as may be proposed by the Project Manager and approved by the Contractor, the Project Manager shall respond with approval, or with disapproval and detailed comments. He may also request any necessary further particulars, but shall nevertheless give his response on the principles of the claim within the above defined time period.
- 24.1.7 Within the above defined period of 42 days, the Project Manager shall proceed in accordance with Sub-Clause
- 24.1.8 [Determinations] to agree or determine (i) the extension (if any) of the Time for Completion (before or after its expiry) in accordance with Sub-Clause 8.4 [Extension of Time for Completion], and/or (ii) the

additional payment (if any) to which the Contractor is entitled under the Contract.

24.1.9 Each Payment Certificate shall include such additional payment for any claim as has been reasonably substantiated as due under the relevant provision of the Contract. Unless and until the particulars supplied are sufficient to substantiate the whole of the claim, the Contractor shall only be entitled to payment for such part of the claim as he has been able to substantiate.

24.1.10 If the Project Manager does not respond within the timeframe defined in this Clause, either Party may consider that the claim is rejected by the Project Manager and any of the Parties may refer to Arbitration in accordance with Sub-Clause 24.4 [Arbitration].

24.1.11 The requirements of this Sub-Clause are in addition to those of any other Sub-Clause which may apply to a claim. If the Contractor fails to comply with this or another Sub-Clause in relation to any claim, any extension of time and/or additional payment shall take account of the extent (if any) to which the failure has prevented or prejudiced proper investigation of the claim, unless the claim is excluded under the second paragraph of this Sub-Clause 24.3.

242 Amicable Settlement

24.2.1 Where a notice of a claim has been given, both Parties shall attempt to settle the dispute amicably before the commencement of arbitration. However, unless both Parties agree otherwise, the Party giving a notice of a claim in accordance with Sub-Clause 24.1 above should move to commence arbitration after the fifty-sixth day from the day on which a notice of a claim was given, even if no attempt at an amicable settlement has been made.

243 Matters that may be referred to arbitration

24.3.1 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:

- a) The appointment of a replacement Project Manager upon the said person ceasing to act.
- b) Whether or not the issue of an instruction by the Project Manager is empowered by these Conditions.
- c) Whether or not a certificate has been improperly withheld or is not in accordance with these Conditions.
- e) Any dispute arising in respect of war risks or war damage.
- f) 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 Procuring Entity and the Contractor agree otherwise in writing.

244 Arbitration

24.4.1 Any claim or dispute between the Parties arising out of or in connection with the Contract not settled amicably in accordance with Sub-Clause 24.3 shall be finally settled by arbitration.

24.4.2 No arbitration proceedings shall be commenced on any claim or dispute where notice of a claim or dispute 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.

24.4.3 Notwithstanding the issue of a notice as stated above, the arbitration of such a claim or dispute shall not commence unless an attempt has in the first instance been made by the parties to settle such claim or dispute amicably with or without the assistance of third parties. Proof of such attempt shall be required.

24.4.4 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.

24.4.5 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.

24.4.6 The arbitrators shall have full power to open up, review and revise any certificate, determination, instruction, opinion or valuation of the Project Manager, relevant to the dispute. Nothing shall disqualify representatives of the Parties and the Project Manager from being called as a witness and giving evidence before the arbitrators on any matter whatsoever relevant to the dispute.

24.4.7 Neither Party shall be limited in the proceedings before the arbitrators to the evidence, or to the reasons for dissatisfaction given in its Notice of Dissatisfaction.

24.4.8 Arbitration may be commenced prior to or after completion of the Works. The obligations of the Parties, and the Project Manager shall not be altered by reason of any arbitration being conducted during the progress of the Works.

24.4.9 The terms of the remuneration of each or all the members of Arbitration shall be mutually agreed upon by the

Parties when agreeing the terms of appointment. Each Party shall be responsible for paying one-half of this remuneration.

245 Arbitration with National Contractors

24.5.1 If the Contract is with national contractors, arbitration proceedings will be conducted in accordance with the Arbitration Laws of Kenya. In case of any claim or dispute, such claim or 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, on the request of the applying party, 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
- iii) Association of Consulting Engineers of Kenya
- iv) Chartered Institute of Arbitrators (Kenya Branch)
- v) Institution of Engineers of Kenya

24.5.2 The institution written to first by the aggrieved party shall take precedence over all other institutions.

246 Alternative Arbitration Proceedings

24.6.1 Alternatively, the Parties may refer the matter to the Nairobi Centre for International Arbitration (NCIA) which offers a neutral venue for the conduct of national and international arbitration with commitment to providing institutional support to the arbitral process.

247 Failure to Comply with Arbitrator's Decision

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

24.7.2 In the event that a Party fails to comply with a final and binding Arbitrator's decision, then the other Party may, without prejudice to any other rights it may have, refer the matter to a competent court of law.

248 Contract operations to continue

24.8.1 Notwithstanding any reference to arbitration herein,

- a) the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and
- b) the Procuring Entity shall pay the Contractor any monies due the Contractor.

25. Fraud and Corruption

25.1 The Government requires compliance with the country's Anti-Corruption laws and its prevailing sanctions policies and procedures as set forth in the Constitution of Kenya and its Statutes.

25.2 The Procuring Entity requires the Contractor to disclose any commissions or fees that may have been paid or are to be paid to agents or any other party with respect to the bidding process or execution of the Contract. The information disclosed must include at least the name and address of the agent or other party, the amount and currency, and the purpose of the commission, gratuity or fee.

B. Time Control

26. Program

26.1 Within the time stated in the SCC, after the date of the Letter of Acceptance, 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. In the case of a lump sum contract, the activities in the Program shall be consistent with those in the Activity Schedule.

26.2 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.

26.3 The Contractor shall submit to the Project Manager for approval an updated Program at intervals no longer than the period stated in the SCC. If the Contractor does not submit an updated Program within this period, the Project Manager may withhold the amount stated in the SCC 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. In the case of a lump sum contract, the Contractor shall provide an updated Activity Schedule within 14 days of being instructed to by the Project Manager.

264 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.

27. Extension of the Intended Completion Date

27.1 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.

27.2 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 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 by this failure shall not be considered in assessing the new Intended Completion Date.

28. Acceleration

28.1 When the Procuring Entity wants the Contractor to finish before the Intended Completion Date, the Project Manager shall obtain priced proposals for achieving the necessary acceleration from the Contractor. If the Procuring Entity accepts these proposals, the Intended Completion Date shall be adjusted accordingly and confirmed by both the Procuring Entity and the Contractor.

28.2 If the Contractor's priced proposals for an acceleration are accepted by the Procuring Entity, they are incorporated in the Contract Price and treated as a Variation.

29. Delays Ordered by the Project Manager

29.1 The Project Manager may instruct the Contractor to delay the start or progress of any activity within the Works.

30. Management Meetings

30.1 Either the Project Manager or the Contractor may require the other to attend a management meeting. The business of a management meeting shall be to review the plans for remaining work and to deal with matters raised in accordance with the early warning procedure.

30.2 The Project Manager shall record the business of management meetings and provide copies of the record to those attending the meeting and to the Procuring Entity. 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.

31. Early Warning

31.1 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.

31.2 The Contractor shall cooperate with the Project Manager in making and considering proposals for 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 instruction of the Project Manager.

C. Quality Control

32. Identifying Defects

32.1 The Project Manager shall check the Contractor's work and notify the Contractor of any Defects that are found. Such checking 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.

33. Tests

- 33.1 If the Project Manager instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and the test shows that it does, the Contractor shall pay for the test and any samples. If there is no Defect, the test shall be a Compensation Event.

34. Correction of Defects

- 34.1 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 SCC. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.
- 34.2 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.

35. Uncorrected Defects

- 35.1 If the Contractor has not corrected a Defect within the time specified in the Project Manager's notice, the Project Manager shall assess the cost of having the Defect corrected, and the Contractor shall pay this amount.

D. Cost Control

36. Contract Price⁷

- 36.1 The Bill of Quantities shall contain priced items for the Works to be performed by the Contractor. The Bill of Quantities is used to calculate the Contract Price. The Contractor will be paid for the quantity of the work accomplished at the rate in the Bill of Quantities for each item.

37. Changes in the Contract Price⁸

- 37.1 If the final quantity of the work done differs from the quantity in the Bill of Quantities for the particular item by more than 25 percent, provided the change exceeds 1 percent of the Initial Contract Price, the Project Manager shall adjust the rate to allow for the change. The Project Manager shall not adjust rates from changes in quantities if thereby the Initial Contract Price is exceeded by more than 15 percent, except with the prior approval of the Procuring Entity.
- 37.2 If requested by the Project Manager, the Contractor shall provide the Project Manager with a detailed cost breakdown of any rate in the Bill of Quantities.

38. Variations

- 38.1 All Variations shall be included in updated Programs⁹ produced by the Contractor.
- 38.2 The Contractor shall provide the Project Manager with a quotation for carrying out the Variation when requested to do so by the Project Manager. The Project Manager shall assess the quotation, which shall be given within seven (7) days of the request or within any longer period stated by the Project Manager and before the Variation is ordered.
- 38.3 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.
- 38.4 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.

⁷In lump sum contracts, replace GCC Sub-Clauses 36.1 as follows:

36.1 The Contractor shall provide updated Activity Schedules within 14 days of being instructed to by the Project Manager. The Activity Schedule shall contain the priced activities for the Works to be performed by the Contractor. The Activity Schedule is used to monitor and control the performance of activities on which basis the Contractor will be paid. If payment for materials on site shall be made separately, the Contractor shall show delivery of Materials to the Site separately on the Activity Schedule.

⁸In lump sum contracts, replace entire GCC Clause 37 with new GCC Sub-Clause 37.1, as follows:

The Activity Schedule shall be amended by the Contractor to accommodate changes of Program or method of working made at the Contractor's own discretion. Prices in the Activity Schedule shall not be altered when the Contractor makes such changes to the Activity Schedule.

⁹In lump sum contracts, add "and Activity Schedules" after "Programs." ¹⁰In lump sum contracts, delete this paragraph.

- 385 The Contractor shall not be entitled to additional payment for costs that could have been avoided by giving early warning
- 386 If the work in the Variation corresponds to an item description in the Bill of Quantities and if, in the opinion of the Project Manager, the quantity of work above the limit stated in Sub-Clause 39.1 or the timing of its execution do not cause the cost per unit of quantity to change, the rate in the Bill 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 Bill of Quantities, the quotation by the Contractor shall be in the form of new rates for the relevant items of work
- 387 Value Engineering: The Contractor may prepare, at its own cost, a value engineering proposal at any time during the performance of the contract. The value engineering proposal shall, at a minimum, include the following;
- a) the proposed change(s), and a description of the difference to the existing contract requirements;
 - b) a full cost/benefit analysis of the proposed change(s) including a description and estimate of costs (including life cycle costs) the Procuring Entity may incur in implementing the value engineering proposal; and
 - c) a description of any effect(s) of the change on performance/functionality.
- 388 The Procuring Entity may accept the value engineering proposal if the proposal demonstrates benefits that:
- a) accelerate the contract completion period; or
 - b) reduce the Contract Price or the life cycle costs to the Procuring Entity; or
 - c) improve the quality, efficiency, safety or sustainability of the Facilities; or
 - d) yield any other benefits to the Procuring Entity, without compromising the functionality of the Works.
- 389 If the value engineering proposal is approved by the Procuring Entity and results in:
- a) a reduction of the Contract Price; the amount to be paid to the Contractor shall be the **percentage specified in the SCC** of the reduction in the Contract Price; or
 - b) an increase in the Contract Price; but results in a reduction in life cycle costs due to any benefit described in (a) to (d) above, the amount to be paid to the Contractor shall be the full increase in the Contract Price.

39. Cash Flow Forecasts

- 39.1 When the Program¹¹, is updated, the Contractor shall provide the Project Manager with an updated cash flow forecast. The cash flow forecast shall include different currencies, as defined in the Contract, converted as necessary using the Contract exchange rates.

40. Payment Certificates

- 40.1 The Contractor shall submit to the Project Manager monthly statements of the estimated value of the work executed less the cumulative amount certified previously.
- 40.2 The Project Manager shall check the Contractor's monthly statement and certify the amount to be paid to the Contractor.
- 40.3 The value of work executed shall be determined by the Project Manager.
- 40.4 The value of work executed shall comprise the value of the quantities of work in the Bill of Quantities that have been completed¹².
- 40.5 The value of work executed shall include the valuation of Variations and Compensation Events.
- 40.6 The Project Manager may exclude any item certified in a previous certificate or reduce the proportion of any item previously certified in any certificate in the light of later information.
- 40.7 Where the contract price is different from the corrected tender price, in order to ensure the contractor is not paid less or more relative to the contract price (which would be the tender price), payment valuation certificates and variation orders on omissions and additions valued based on rates in the Bill of Quantities or schedule of rates in the Tender, will be adjusted by a plus or minus percentage. The percentage already worked out during tender evaluation is worked out as follows: $(\text{corrected tender price} - \text{tender price}) / \text{tender price} \times 100$.

41. Payments

- 41.1 Payments shall be adjusted for deductions for advance payments and retention. The Procuring Entity shall pay the Contractor the amounts certified by the Project Manager within 30 days of the date of each certificate. If the Procuring Entity makes a late payment, the Contractor shall be paid interest on the late payment in the next payment. Interest shall be calculated from the date by which the payment should have been made up to the date when the late payment is made at the prevailing rate of interest for commercial borrowing for each of the currencies in which payments are made.
- 41.2 If an amount certified is increased in a later certificate or as a result of an award by the Adjudicator or 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.
- 41.3 Unless otherwise stated, all payments and deductions shall be paid or charged in the proportions of currencies comprising the Contract Price.
- 41.4 Items of the Works for which no rate or price has been entered in shall not be paid for by the Procuring Entity and shall be deemed covered by other rates and prices in the Contract.

42. Compensation Events

42.1 The following shall be Compensation Events:

- d) The Procuring Entity does not give access to a part of the Site by the Site Possession Date pursuant to GCC Sub-Clause 20.1.
- e) The Procuring Entity modifies the Schedule of Other Contractors in a way that affects the work of the Contractor under the Contract.
- f) The Project Manager orders a delay or does not issue Drawings, Specifications, or instructions required for execution of the Works on time.
- g) The Project Manager instructs the Contractor to uncover or to carry out additional tests upon work, which is then found to have no Defects.
- h) The Project Manager unreasonably does not approve a subcontract to be let.
- i) Ground conditions are substantially more adverse than could reasonably have been assumed before issuance of the Letter of Acceptance from the information issued to bidders (including the Site Investigation Reports), from information available publicly and from a visual inspection of the Site.
- j) The Project Manager gives an instruction for dealing with an unforeseen condition, caused by the Procuring Entity, or additional work required for safety or other reasons.
- k) Other contractors, public authorities, utilities, or the Procuring Entity does not work within the dates and other constraints stated in the Contract, and they cause delay or extra cost to the Contractor.
- l) The advance payment is delayed.
- m) The effects on the Contractor of any of the Procuring Entity's Risks.
- n) The Project Manager unreasonably delays issuing a Certificate of Completion.

42.2 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.

42.3 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 shall assume that the Contractor shall react competently and promptly to the event.

¹¹In lump sum contracts, add "or Activity Schedule" after "Program."

¹²In lump sum contracts, replace this paragraph with the following: "The value of work executed shall comprise the value of completed activities in the Activity Schedule."

42.4 The Contractor shall not be entitled to compensation to the extent that the Procuring Entity's interests are adversely affected by the Contractor's not having given early warning or not having cooperated with the Project Manager.

43. Tax

43.1 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 bids for the Contract and the date of the last Completion certificate. The adjustment shall be the change in the amount of tax payable by the Contractor, provided such changes are not already reflected in the Contract Price or are a result of GCC Clause 44.

44. Currency of Payment

44.1 All payments under the contract shall be made in Kenya Shillings

45. Price Adjustment

45.1 Prices shall be adjusted for fluctuations in the cost of inputs only if **provided for in the SCC**. If so provided, the amounts certified in each payment certificate, before deducting for Advance Payment, shall be adjusted by applying the respective price adjustment factor to the payment amounts due in each currency. A separate formula of the type specified below applies:

$$P = A + B I_m/I_o$$

where:

the Contract Price payable.

P is the adjustment factor for the portion of

A and B are coefficients¹³ **specified in the SCC**, representing the non-adjustable and adjustable portions, respectively, of the Contract Price payable and I_m is the index prevailing at the end of the month being invoiced and I_o is the index prevailing 30 days before Bid opening for inputs payable.

45.2 If the value of the index is changed after it has been used in a calculation, the calculation shall be corrected and an adjustment made in the next payment certificate. The index value shall be deemed to take account of all changes in cost due to fluctuations in costs.

46. Retention

46.1 The Procuring Entity shall retain from each payment due to the Contractor the proportion stated in the SCC until Completion of the whole of the Works.

46.2 Upon the issue of a Certificate of Completion of the Works by the Project Manager, in accordance with GCC 53.1, half the total amount retained shall be repaid to the Contractor and half when the Defects Liability Period has passed and the Project Manager has certified that all Defects notified by the Project Manager to the Contractor before the end of this period have been corrected. The Contractor may substitute retention money with an "on demand" Bank guarantee.

47. Liquidated Damages

47.1 The Contractor shall pay liquidated damages to the Procuring Entity at the rate per day stated in the SCC for each day that the Completion Date is later than the Intended Completion Date. The total amount of liquidated damages shall not exceed the amount defined in the SCC. The Procuring Entity may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages shall not affect the Contractor's liabilities.

47.2 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 rates specified in GCC Sub-Clause 41.1.

48. Bonus

48.1 The Contractor shall be paid a Bonus calculated at the rate per calendar day **stated in the SCC** for each day (less any days for which the Contractor is paid for acceleration) that the Completion is earlier than the Intended Completion Date. The Project Manager shall certify that the Works are complete, although they may not be due to be complete.

49. Advance Payment

- 49.1 The Procuring Entity shall make advance payment to the Contractor of the amounts stated in the SCC by the date stated in the SCC, against provision by the Contractor of an Unconditional Bank Guarantee in a form and by a bank acceptable to the Procuring Entity in amounts and currencies equal to the advance payment. The Guarantee shall remain effective until the advance payment has been repaid, but the amount of the Guarantee shall be progressively reduced by the amounts repaid by the Contractor. Interest shall not be charged on the advance payment.
- 49.2 The Contractor is to use the advance payment only to pay for Equipment, Plant, Materials, and mobilization expenses required specifically for execution of the Contract. The Contractor shall demonstrate that advance payment has been used in this way by supplying copies of invoices or other documents to the Project Manager.
- 49.3 The advance payment shall be repaid by deducting proportionate amounts from payments otherwise due to the Contractor, following the schedule of completed percentages of the Works on a payment basis. No account shall be taken of the advance payment or its repayment in assessing valuations of work done, Variations, price adjustments, Compensation Events, Bonuses, or Liquidated Damages.

50. Securities

- 50.1 The Performance Security shall be provided to the Procuring Entity no later than the date specified in the Letter of Acceptance and shall be issued in an amount **specified in the SCC**, by a bank or surety acceptable to the Procuring Entity, and denominated in the types and proportions of the currencies in which the Contract Price is payable. The Performance Security shall be valid until a date 28 day from the date of issue of the Certificate of Completion in the case of a Bank Guarantee, and until one year from the date of issue of the Completion Certificate in the case of a Performance Bond.

51. Dayworks

- 51.1 If applicable, the Dayworks rates in the Contractor's Bid shall be used only when the Project Manager has given written instructions in advance for additional work to be paid for in that way.
- 51.2 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.
- 51.3 The Contractor shall be paid for Dayworks subject to obtaining signed Dayworks forms.

52. Cost of Repairs

- 52.1 Loss or damage to the Works or Materials to be incorporated in the Works between the Start Date and the end of the Defects Correction periods shall be remedied by the Contractor at the Contractor's cost if the loss or damage arises from the Contractor's acts or omissions.

E. Finishing the Contract

53. Completion

- 53.1 The Contractor shall request the Project Manager to issue a Certificate of Completion of the Works, and the Project Manager shall do so upon deciding that the whole of the Works is completed.

54. Taking Over

- 54.1 The Procuring Entity shall take over the Site and the Works within seven days of the Project Manager's issuing a certificate of Completion.

55. Final Account

- 55.1 The Contractor shall supply the Project Manager with a detailed account of the total amount that the Contractor considers payable 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 56 days of receiving the Contractor's account if it is correct and complete. If it is not, the Project Manager shall issue within 56 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.

¹³The sum of the two coefficients A and B should be 1 (one) in the formula for each currency. Normally, both coefficients shall be the same in the formulae for all currencies, since coefficient A, for the non-adjustable portion of the payments, is a very approximate figure (usually 0.15) to take account of fixed cost elements or other non-adjustable components. The sum of the adjustments for each currency are added to the Contract Price.

56. Operating and Maintenance Manuals

- 56.1 If “as built” Drawings and/or operating and maintenance manuals are required, the Contractor shall supply them by the dates stated in the SCC.
- 56.2 If the Contractor does not supply the Drawings and/or manuals by the dates stated in the SCC pursuant to GCC Sub-Clause 56.1, or they do not receive the Project Manager's approval, the Project Manager shall withhold the amount **stated in the SCC** from payments due to the Contractor.

57. Termination

- 57.1 The Procuring Entity or the Contractor may terminate the Contract if the other party causes a fundamental breach of the Contract.
- 57.2 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 Procuring Entity or the Contractor is made 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 Procuring Entity to the Contractor within 84 days of the date of the Project Manager's certificate;
 - 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;
 - g) the Contractor has delayed the completion of the Works by the number of days for which the maximum amount of liquidated damages can be paid, as **defined in the SCC**; or
 - h) if the Contractor, in the judgment of the Procuring Entity has engaged in Fraud and Corruption, as defined in paragraph 2.2 a of the Appendix A to the GCC, in competing for or in executing the Contract, then the Procuring Entity may, after giving fourteen (14) days written notice to the Contractor, terminate the Contract and expel him from the Site.
- 57.3 Notwithstanding the above, the Procuring Entity may terminate the Contract for convenience.
- 57.4 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.
- 57.5 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 GCC Sub-Clause 56.2 above, the Project Manager shall decide whether the breach is fundamental or not.

58. Payment upon Termination

- 58.1 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 less advance payments received up to the date of the issue of the certificate and less the percentage to apply to the value of the work not completed, as specified in the SCC. Additional Liquidated Damages shall not apply. If the total amount due to the Procuring Entity exceeds any payment due to the Contractor, the difference shall be a debt payable to the Procuring Entity.
- 58.2 If the Contract is terminated for the Procuring Entity's convenience or because of a fundamental breach of Contract by the Procuring Entity, 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, and less advance payments received up to the date of the certificate.

59. Property

- 59.1 All Materials on the Site, Plant, Equipment, Temporary Works, and Works shall be deemed to be the property of the Procuring Entity if the Contract is terminated because of the Contractor's default.

60. Release from Performance

60.1 If the Contract is frustrated by the outbreak of war or by any other event entirely outside the control of either the Procuring Entity 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 and for any work carried out afterwards to which a commitment was made.

SECTION IX - SPECIAL CONDITIONS OF CONTRACT

Except where otherwise specified, all Special Conditions of Contract should be filled in by the Procuring Entity prior to issuance of the bidding document. Schedules and reports to be provided by the Procuring Entity should be annexed.

Number of GC Clause	Amendments of, and Supplements to, Clauses in the General Conditions of Contract
A. General	
GCC 1.1 (q)	The Procuring Entity is: Mandera Water and Sewerage Co. Limited P. O Box 341-70300 Mandera Kassim H. Abdinoor (Chief Executive Officer) MANDWASCO
GCC 1.1 (u)	The Intended Completion Date for the whole of the Works shall be 30th June 2024
GCC 1.1 (x)	The Project Manager is Derrow H. Mahat Technical Manager P. O Box 341-70300 Mandera
GCC 1.1 (z)	The Site is located in Takaba Town, Mandera West Subcounty Mandera County
GCC 1.1 (cc)	The Start Date shall be April 2024
GCC 1.1 (gg)	The Construction of Takaba Water Supply Project consist of the following scopes; <ul style="list-style-type: none"> • Preliminary and General Items • Water Treatment Works • Administration Building and store • 100m³ Sump masonry tank • 24m³ Elevated steel tank (backWash tank) • 8.05 km Pipeline extension Rising main (Water pans and Darwed BH 1) • 10.08 km Pipeline Distribution network • Rehabilitation of Storage Tanks • Supply and installation of 150 consumer meters • Construction of 2 No. cattle trough • Electromechanical Works (Electricity & solar for WTP, Pan & Darweed BH)
GCC 2.2	Sectional Completions are: <i>N/A [insert nature and dates, if appropriate]</i>
GCC 5.1	The Project manager <i>may</i> delegate any of his duties and responsibilities.
GCC 8.1	Schedule of other contractors: <i>N/A</i>
GCC 9.1	Key Personnel

Number of GC Clause	Amendments of, and Supplements to, Clauses in the General Conditions of Contract
	<p>GCC 9.1 is replaced with the following:</p> <p>9.1 Key Personnel are the Contractor’s personnel named in this GCC 9.1 of the Special Conditions of Contract. The Contractor shall employ the Key Personnel and use the equipment identified in its Bid, to carry out the Works or other personnel and equipment approved by the Project Manager. The Project Manager shall approve any proposed replacement of Key Personnel and equipment only if their relevant qualifications or characteristics are substantially equal to or better than those proposed in the Bid.</p> <p>[insert the name/s of each Key Personnel agreed by the Procuring Entity prior to Contract signature.]</p> <ul style="list-style-type: none"> • Project Manager • Site Agent • Surveyor • Foreman • Environmental Specialist • Health & Safety Specialist • Sociologist
GCC 13.1	<p>The minimum insurance amounts and deductibles shall be:</p> <p>(a) for loss or damage to the Works, Plant and Materials: <i>N/A</i>.</p> <p>(b) For loss or damage to Equipment: <i>N/A</i></p> <p>(c) for loss or damage to property (except the Works, Plant, Materials, and Equipment) in connection with Contract <i>N/A</i></p> <p>(d) for personal injury or death:</p> <p>(i) of the Contractor’s employees: <i>N/A</i>.</p> <p>(ii) of other people: <i>N/A</i>.</p>
GCC 14.1	<p>Site Data are: <i>The Tenderer shall rely on contract drawings and any physical site inspections and investigations</i></p>
GCC 20.1	<p>The Site Possession Date(s) shall be: <i>Within 14 days of Commencement Date</i></p>
GCC 23.1 & GCC 23.2	<p>Appointing Authority for the Adjudicator: Chartered Institute of Arbitrators (Kenya)</p> <p>Nicholson Drive, Off Ngong Road 50163-00200 Nairobi Phone: 0722 200 496 / 0734 652 205 Email: info@ciarbkenya.org</p> <hr/> <p>Hourly rate and types of reimbursable expenses to be paid to the Adjudicator: Kshs 6,000per hour</p>
B. Time Control	
GCC 26.1	<p>The Contractor shall submit for approval a Program for the Works within 28 days from the date of the Letter of Acceptance.</p>
GCC 26.3	<p>The period between Program updates is 28 days.</p>

Number of GC Clause	Amendments of, and Supplements to, Clauses in the General Conditions of Contract
	The amount to be withheld for late submission of an updated Program is Kshs.100,000.00
C. Quality Control	
GCC 34.1	The Defects Liability Period is: 2 Months.
D. Cost Control	
GCC 38.9	If the value engineering proposal is approved by the Procuring Entity the amount to be paid to the Contractor shall be ___% (<i>N/A</i>) of the reduction in the Contract Price.
GCC 44.1	The currency of the Procuring Entity’s Country is: <i>Kenya Shillings</i> Procuring Entity’s Country].
GCC 45.1	<p>The Contract “<i>is not</i>”subject to price adjustment in accordance with GCC Clause 45, and the following information regarding coefficients “<i>does not</i>”] apply.</p> <p><i>[Price adjustment is mandatory for contracts which provide for time of completion exceeding 18 months]</i></p> <p>The coefficients for adjustment of prices are:</p> <p>(a) <i>N/A</i>] percent nonadjustable element (coefficient A).</p> <p>(ib) <i>N/A</i>]percent adjustable element (coefficient B).</p> <p>(c) The Index I for shall be <i>N/A</i>.</p>
GCC 46.1	<p>The proportion of payments retained is: <i>10%</i></p> <p><i>[The retention amount is usually close to 5 percent and in no case exceeds 10 percent.]</i></p>
GCC 47.1	The liquidated damages for the whole of the Works are <i>0.10 percent</i> per day. The maximum amount of liquidated damages for the whole of the Works is <i>7.5 percent</i> of the final Contract Price.
GCC 48.1	The Bonus for the whole of the Works is <i>N/A</i> per day. The maximum amount of Bonus for the whole of the Works is <i>[insert percentage]</i> of the final Contract Price.
GCC 49.1	The Advance Payments shall be: 20% and shall be paid to the Contractor no later than 28 days after submission and approval of <i>Performance Guarantee and Advance Payment Security</i> .
GCC 50.1	<p>The Performance Security amount is <i>10%</i> Procuring Entity</p> <p>(a) Performance Security – Bank Guarantee: in the amount(s) of <i>10%</i> (percent) of the Accepted Contract Amount and in the same currency(ies) of the Accepted Contract Amount.</p>

Number of GC Clause	Amendments of, and Supplements to, Clauses in the General Conditions of Contract
	(b) Performance Security – Performance Bond: in the amount(s) of <i>[insert related figure(s)]</i> percent of the Accepted Contract Amount and in the same currency(ies) of the Accepted Contract Amount.
E. Finishing the Contract	
GCC 56.1	The date by which operating and maintenance manuals are required is <i>28 days after substantial completion of the Works.</i> The date by which “as built” drawings are required is <i>28 days after substantial completion of the Works.</i>
GCC 56.2	The amount to be withheld for failing to produce “as built” drawings and/or operating and maintenance manuals by the date required in GCC 56.1 is Kshs 100,000.00.
GCC 57.2 (g)	The maximum number of days is: 90
GCC 58.1	The percentage to apply to the value of the work not completed, representing the Procuring Entity’s additional cost for completing the Works, is 5%

FORM No 1: NOTIFICATION OF INTENTION TO AWARD

This Notification of Intention to Award shall be sent to each Tenderer that submitted a Tender. Send this Notification to the Tenderer's Authorized Representative named in the Tender Information Form on the format below.

FORMAT

1. For the attention of Tenderer's Authorized Representative

- i) Name: *[insert Authorized Representative's name]*
- ii) Address: *[insert Authorized Representative's Address]*
- iii) Telephone: *[insert Authorized Representative's telephone/fax numbers]*
- iv) Email Address: *[insert Authorized Representative's email address]*

[IMPORTANT: insert the date that this Notification is transmitted to Tenderers. The Notification must be sent to all Tenderers simultaneously. This means on the same date and as close to the same time as possible.]

2. Date of transmission: *[email]* on *[date]* (local time)

This Notification is sent by *(Name and designation)* _____

3. Notification of Intention to Award

- i) Procuring Entity: *[insert the name of the Procuring Entity]*
- ii) Project: *[insert name of project]*
- iii) Contract title: *[insert the name of the contract]*
- iv) Country: *[insert country where ITT is issued]*
- v) ITT No: *[insert ITT reference number from Procurement Plan]*

This Notification of Intention to Award (Notification) notifies you of our decision to award the above contract. The transmission of this Notification begins the Standstill Period. During the Standstill Period, you may:

4. Request a debriefing in relation to the evaluation of your tender

Submit a Procurement-related Complaint in relation to the decision to award the contract.

a) The successful tenderer

- i) Name of successful Tender _____
- ii) Address of the successful Tender _____
- iii) Contract price of the successful Tender Kenya Shillings _____ (in words _____)

b) Other Tenderers

Names of all Tenderers that submitted a Tender. If the Tender's price was evaluated include the evaluated price as well as the Tender price as read out. For Tenders not evaluated, give one main reason the Tender was unsuccessful.

SNo	Name of Tender	Tender Price as read out	Tender's evaluated price (Note a)	One Reason Why not Evaluated
1				
2				
3				
4				
5				

(Note a) State NE if not evaluated

5. **How to request a debriefing**

- a) DEADLINE: The deadline to request a debriefing expires at midnight on [*insert date*] (*local time*).
- b) You may request a debriefing in relation to the results of the evaluation of your Tender. If you decide to request a debriefing your written request must be made within three (5) Business Days of receipt of this Notification of Intention to Award.
- c) Provide the contract name, reference number, name of the Tenderer, contact details; and address the request for debriefing as follows:
 - i) Attention: [*insert full name of person, if applicable*]
 - ii) Title/position: [*insert title/position*]
 - ii) Agency: [*insert name of Procuring Entity*]
 - iii) Email address: [*insert email address*]
- d) If your request for a debriefing is received within the 3 Days deadline, we will provide the debriefing within five (3) Business Days of receipt of your request. If we are unable to provide the debriefing within this period, the Standstill Period shall be extended by five (3) Days after the date that the debriefing is provided. If this happens, we will notify you and confirm the date that the extended Standstill Period will end.
- e) The debriefing may be in writing, by phone, video conference call or in person. We shall promptly advise you in writing how the debriefing will take place and confirm the date and time.
- f) If the deadline to request a debriefing has expired, you may still request a debriefing. In this case, we will provide the debriefing as soon as practicable, and normally no later than fifteen (15) Days from the date of publication of the Contract Award Notice.

6. **How to make a complaint**

- a) Period: Procurement-related Complaint challenging the decision to award shall be submitted by midnight, [*insert date*] (*local time*).
- b) Provide the contract name, reference number, name of the Tenderer, contact details; and address the Procurement-related Complaint as follows:
 - i) Attention: [*insert full name of person, if applicable*]
 - ii) Title/position: [*insert title/position*]
 - iii) Agency: [*insert name of Procuring Entity*]
 - iv) Email address: [*insert email address*]
- c) At this point in the procurement process, you may submit a Procurement-related Complaint challenging the decision to award the contract. You do not need to have requested, or received, a debriefing before making this complaint. Your complaint must be submitted within the Standstill Period and received by us before the Standstill Period ends.
- d) Further information: For more information refer to the Public Procurement and Disposals Act 2015 and its Regulations available from the Website info@ppra.go.ke or complaints@ppra.go.ke.

You should read these documents before preparing and submitting your complaint.

- e) There are four essential requirements:
 - i) You must be an 'interested party'. In this case, that means a Tenderer who submitted a Tender in this tendering process, and is the recipient of a Notification of Intention to Award.
 - ii) The complaint can only challenge the decision to award the contract.
 - iii) You must submit the complaint within the period stated above.
 - iv) You must include, in your complaint, all of the information required to support your complaint.

7. Standstill Period

- i) DEADLINE: The Standstill Period is due to end at midnight on [*insert date*] (local time).
- ii) The Standstill Period lasts ten (14) Days after the date of transmission of this Notification of Intention to Award.
- iii) The Standstill Period may be extended as stated in paragraph Section 5 (d) above.

If you have any questions regarding this Notification please do not hesitate to contact us. On behalf of the Procuring Entity:

Signature: _____ **Name:** _____

Title/position: _____ **Telephone:** ____ **Email:** _____

FORM NO. 2 - REQUEST FOR REVIEW

FORM FOR REVIEW(r.203(1))

PUBLIC PROCUREMENT ADMINISTRATIVE REVIEW BOARD

APPLICATION NO.....OF.....20.....

BETWEEN

.....**APPLICANT**

AND

.....**RESPONDENT (Procuring Entity)**

Request for review of the decision of the..... (Name of the Procuring Entity ofdated the...day of20.....in the matter of Tender No.....of20..... for(Tender description).

REQUEST FOR REVIEW

I/We.....,the above named Applicant(s), of address: Physical address.....P. O. Box No..... Tel. No.....Email, hereby request the Public Procurement Administrative Review Board to review the whole/part of the above mentioned decision on the following grounds , namely:

- 1.
- 2.

By this memorandum, the Applicant requests the Board for an order/orders that:

- 1.
- 2.

SIGNED(Applicant) Dated on.....day of/...20.....

FOR OFFICIAL USE ONLY Lodged with the Secretary Public Procurement Administrative Review Board on.....day of20.....

SIGNED

Board Secretary

FORM NO 3: LETTER OF AWARD

[letterhead paper of the Procuring Entity] [date]

To: *[name and address of the Contractor]*

This is to notify you that your Tender dated *[date]* for execution of the *[name of the Contract and identification number, as given in the Contract Data]* for the Accepted Contract Amount *[amount in numbers and words]* *[name of currency]*, as corrected and modified in accordance with the Instructions to Tenderers, is hereby accepted by *(name of Procuring Entity)*.

You are requested to furnish the Performance Security within 30 days in accordance with the Conditions of Contract, using, for that purpose, one of the Performance Security Forms included in Section VIII, Contract Forms, of the Tender Document.

Authorized Signature:

Name and Title of Signatory:

Name of Procuring Entity.....

Attachment: *Contract Agreement*.....

FORM NO 4: CONTRACT AGREEMENT

THIS AGREEMENT made the _____ day of _____, 20____, between _____ of _____ (hereinafter “the Procuring Entity”), of the one part, and _____ of _____ (hereinafter “the Contractor”), of the other part:

WHEREAS the Procuring Entity desires that the Works known as _____ should be executed by the Contractor, and has accepted a Tender by the Contractor for the execution and completion of these Works and the remedying of any defects therein,

The Procuring Entity and the Contractor agree as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Contract documents referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement. This Agreement shall prevail over all other Contract documents.
 - a) the Letter of Acceptance
 - b) the Letter of Tender
 - c) the addenda Nos _____ (if any)
 - d) the Special Conditions of Contract
 - e) the General Conditions of Contract;
 - f) the Specifications
 - g) the Drawings; and
 - h) the completed Schedules and any other documents forming part of the contract.
3. In consideration of the payments to be made by the Procuring Entity to the Contractor as specified in this Agreement, the Contractor hereby covenants with the Procuring Entity to execute the Works and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Procuring Entity hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the Laws of Kenya on the day, month and year specified above.

Signed and sealed by _____ (for the Procuring Entity)

Signed and sealed by _____ (for the Contractor).

FORM NO. 5 - PERFORMANCE SECURITY

[Option 1 - Unconditional Demand Bank Guarantee]

[Guarantor letterhead]

Beneficiary: _____ *[insert name and Address of Procuring Entity]* **Date:** _____

_____ *[Insert date of issue]*

Guarantor: *[Insert name and address of place of issue, unless indicated in the letterhead]*

1. We have been informed that _____ (hereinafter called "the Contractor") has entered into Contract No. _____ dated _____ with (name of Procuring Entity) _____ (the Procuring Entity as the Beneficiary), for the execution of _____ (hereinafter called "the Contract").
2. Furthermore, we understand that, according to the conditions of the Contract, a performance guarantee is required.
3. At the request of the Contractor, we as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of _____ (in words),¹ such sum being payable in the types and proportions of currencies in which the Contract Price is payable, upon receipt by us of the Beneficiary's complying demand supported by the Beneficiary's statement, whether in the demand itself or in a separate signed document accompanying or identifying the demand, stating that the Applicant is in breach of its obligation(s) under the Contract, without the Beneficiary needing to prove or to show grounds for your demand or the sum specified therein.
4. This guarantee shall expire, no later than the Day of, 2.....², and any demand for payment under it must be received by us at the office indicated above on or before that date.
5. The Guarantor agrees to a one-time extension of this guarantee for a period not to exceed *[six months]* *[one year]*, in response to the Beneficiary's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee."

[Name of Authorized Official, signature(s) and seals/stamps].

Note: *All italicized text (including footnotes) is for use in preparing this form and shall be deleted from the final product.*

¹The Guarantor shall insert an amount representing the percentage of the Accepted Contract Amount specified in the Letter of Acceptance, less provisional sums, if any, and denominated either in the currency of the Contract or a freely convertible currency acceptable to the Beneficiary.

²*Insert the date twenty-eight days after the expected completion date as described in GC Clause 11.9. The Procuring Entity should note that in the event of an extension of this date for completion of the Contract, the Procuring Entity would need to request an extension of this guarantee from the Guarantor. Such request must be in writing and must be made prior to the expiration date established in the guarantee.*

FORM No. 6 - PERFORMANCE SECURITY

[Option 2– Performance Bond]

[Note: Procuring Entities are advised to use Performance Security – Unconditional Demand Bank Guarantee instead of Performance Bond due to difficulties involved in calling Bond holder to action]

[Guarantor letterhead or SWIFT identifier code]

Beneficiary: _____ *[insert name and Address of Procuring Entity]* **Date:** _____ *[Insert date of issue]*.

PERFORMANCE BOND No.: _____

Guarantor: *[Insert name and address of place of issue, unless indicated in the letterhead]*

1. By this Bond _____ as Principal (hereinafter called “the Contractor”) and _____] as Surety (hereinafter called “the Surety”), are held and firmly bound unto _____] as Obligee (hereinafter called “the Procuring Entity”) in the amount of _____ for the payment of which sum well and truly to be made in the types and proportions of currencies in which the Contract Price is payable, the Contractor and the Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.
2. WHEREAS the Contractor has entered into a written Agreement with the Procuring Entity dated the _____ day of _____, 20, for _____ in accordance with the documents, plans, specifications, and amendments thereto, which to the extent herein provided for, are by reference made part hereof and are hereinafter referred to as the Contract.
3. NOW, THEREFORE, the Condition of this Obligation is such that, if the Contractor shall promptly and faithfully perform the said Contract (including any amendments thereto), then this obligation shall be null and void; otherwise, it shall remain in full force and effect. Whenever the Contractor shall be, and declared by the Procuring Entity to be, in default under the Contract, the Procuring Entity having performed the Procuring Entity's obligations thereunder, the Surety may promptly remedy the default, or shall promptly:
 - 1) complete the Contract in accordance with its terms and conditions; or
 - 2) obtain a tender or tenders from qualified tenderers for submission to the Procuring Entity for completing the Contract in accordance with its terms and conditions, and upon determination by the Procuring Entity and the Surety of the lowest responsive Tenderers, arrange for a Contract between such Tenderer, and Procuring Entity and make available as work progresses (even though there should be a default or a succession of defaults under the Contract or Contracts of completion arranged under this paragraph) sufficient funds to pay the cost of completion less the Balance of the Contract Price; but not exceeding, including other costs and damages for which the Surety may be liable hereunder, the amount set forth in the first paragraph hereof. The term “Balance of the Contract Price,” as used in this paragraph, shall mean the total amount payable by Procuring Entity to Contractor under the Contract, less the amount properly paid by Procuring Entity to Contractor; or
 - 3) pay the Procuring Entity the amount required by Procuring Entity to complete the Contract in accordance with its terms and conditions up to a total not exceeding the amount of this Bond.
4. The Surety shall not be liable for a greater sum than the specified penalty of this Bond.
5. Any suit under this Bond must be instituted before the expiration of one year from the date of the issuing of the Taking-Over Certificate. No right of action shall accrue on this Bond to or for the use of any person or corporation other than the Procuring Entity named herein or the heirs, executors, administrators, successors, and assigns of the Procuring Entity.
6. In testimony whereof, the Contractor has hereunto set his hand and affixed his seal, and the Surety has caused these presents to be sealed with his corporate seal duly attested by the signature of his legal representative, this day _____ of _____ 20_____.

SIGNED ON _____ on behalf of By ___ in the capacity of In the presence of

SIGNED ON _____ on behalf of By ___ in the capacity of In the presence of

FORM NO. 7 - ADVANCE PAYMENT SECURITY

[Demand Bank Guarantee]

[Guarantor letterhead]

Beneficiary: _____ *[Insert name and Address of Procuring Entity]*

Date: _____ *[Insert date of issue]*

ADVANCE PAYMENT GUARANTEE No.: _____ *[Insert guarantee reference number]*

Guarantor: _____ *[Insert name and address of place of issue, unless indicated in the letterhead]*

1. We have been informed that _____ (hereinafter called "the Contractor") has entered into Contract No. _____ dated _____ with the Beneficiary, for the execution of _____ (hereinafter called "the Contract").
2. Furthermore, we understand that, according to the conditions of the Contract, an advance payment in the sum _____ (in words) is to be made against an advance payment guarantee.
3. At the request of the Contractor, we as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of _____ (in words) ¹ upon receipt by us of the Beneficiary's complying demand supported by the Beneficiary's statement, whether in the demand itself or in a separate signed document accompanying or identifying the demand, stating either that the Applicant:
 - a) has used the advance payment for purposes other than the costs of mobilization in respect of the Works; or
 - b) has failed to repay the advance payment in accordance with the Contract conditions, specifying the amount which the Applicant has failed to repay.
4. A demand under this guarantee may be presented as from the presentation to the Guarantor of a certificate from the Beneficiary's bank stating that the advance payment referred to above has been credited to the Contractor on its account number _____ at _____.
5. The maximum amount of this guarantee shall be progressively reduced by the amount of the advance payment repaid by the Contractor as specified in copies of interim statements or payment certificates which shall be presented to us. This guarantee shall expire, at the latest, upon our receipt of a copy of the interim payment certificate indicating that ninety (90) percent of the Accepted Contract Amount, less provisional sums, has been certified for payment, or on the ____ day of _____, 2, ² whichever is earlier. Consequently, demand for payment under this guarantee must be received by us at this office on or before that date.
6. The Guarantor agrees to a one-time extension of this guarantee for a period not to exceed *[six months]**[one year]*, in response to the Beneficiary's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee.

[Name of Authorized Official, signature(s) and seals/stamps]

Note: All italicized text (including footnotes) is for use in preparing this form and shall be deleted from the final product.

¹The Guarantor shall insert an amount representing the amount of the advance payment and denominated either in the currency of the advance payment as specified

in the Contract.

²Insert the expected expiration date of the Time for Completion. The Procuring Entity should note that in the event of an extension of the time for completion of the Contract, the Procuring Entity would need to request an extension of this guarantee from the Guarantor. Such request must be in writing and must be made prior to the expiration date established in the guarantee.

FORM NO. 8 - RETENTION MONEY SECURITY

[Demand Bank Guarantee]

[Guarantor letterhead]

Beneficiary: _____ *[Insert name and Address of Procuring Entity]*

Date: _____ *[Insert date of issue]*

Advance payment guarantee no. *[Insert guarantee reference number]*

Guarantor: *[Insert name and address of place of issue, unless indicated in the letterhead]*

1. We have been informed that _____ *[insert name of Contractor, which in the case of a joint venture shall be the name of the joint venture]* (hereinafter called "the Contractor") has entered into Contract No. _____ *[insert reference number of the contract]* dated _____ with the Beneficiary, for the execution of _____ *[insert name of contract and brief description of Works]* (hereinafter called "the Contract").
2. Furthermore, we understand that, according to the conditions of the Contract, the Beneficiary retains moneys up to the limit set forth in the Contract ("the Retention Money"), and that when the Taking-Over Certificate has been issued under the Contract and the first half of the Retention Money has been certified for payment, and payment of *[insert the second half of the Retention Money]* is to be made against a Retention Money guarantee.
3. At the request of the Contractor, we, as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of *[insert amount in figures]* _____ *[insert amount in words _____]* upon receipt by us of the Beneficiary's complying demand supported by the Beneficiary's statement, whether in the demand itself or in a separate signed document accompanying or identifying the demand, stating that the Contractor is in breach of its obligation(s) under the Contract, without your needing to prove or show grounds for your demand or the sum specified therein.
4. A demand under this guarantee may be presented as from the presentation to the Guarantor of a certificate from the Beneficiary's bank stating that the second half of the Retention Money as referred to above has been credited to the Contractor on its account number _____ at _____ *[insert name and address of Applicant's bank]*.
5. This guarantee shall expire no later than the Day of, 2.....², and any demand for payment under it must be received by us at the office indicated above on or before that date.
6. The Guarantor agrees to a one-time extension of this guarantee for a period not to exceed *[six months]* *[one year]*, in response to the Beneficiary's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee.

[Name of Authorized Official, signature(s) and seals/stamps]

Note: All italicized text (including footnotes) is for use in preparing this form and shall be deleted from the final product.

¹The Guarantor shall insert an amount representing the amount of the second half of the Retention Money.

²Insert a date that is twenty-eight days after the expiry of retention period after the actual completion date of the contract. The Procuring Entity should note that in the event of an extension of this date for completion of the Contract, the Procuring Entity would need to request an extension of this guarantee from the Guarantor. Such request must be in writing and must be made prior to the expiration date established in the guarantee.

FORM NO. 9 BENEFICIAL OWNERSHIP DISCLOSURE FORM

INSTRUCTIONS TO TENDERERS: DELETE THIS BOX ONCE YOU HAVE COMPLETED THE FORM

This Beneficial Ownership Disclosure Form (“Form”) is to be completed by the successful tenderer. In case of joint venture, the tenderer must submit a separate Form for each member. The beneficial ownership information to be submitted in this Form shall be current as of the date of its submission.

For the purposes of this Form, a Beneficial Owner of a Tenderer is any natural person who ultimately owns or controls the Tenderer by meeting one or more of the following conditions:

- *Directly or indirectly holding 25% or more of the shares.*
- *Directly or in directly holding 25% or more of the voting rights.*
- *Directly or indirectly having the right to appoint a majority of the board of directors or equivalent governing body of the Tenderer.*

Tender Reference No.: _____ [insert identification no]

Name of the Assignment: _____ [insert name of the assignment] to:
 _____ [insert complete name of Procuring Entity]

In response to your notification of award dated _____ [insert date of notification of award] to furnish additional information on beneficial ownership: _____ [select one option as applicable and delete the options that are not applicable]

I) We here by provide the following beneficial ownership information.

Details of beneficial ownership

Identity of Beneficial Owner	Directly or indirectly holding 25% or more of the shares (Yes / No)	Directly or indirectly holding 25 % or more of the Voting Rights (Yes / No)	Directly or indirectly having the right to appoint a majority of the board of the directors or an equivalent governing body of the Tenderer (Yes / No)
<i>[include full name (last, middle, first), nationality, country of residence]</i>			

OR

ii) *We declare that there is no Beneficial Owner meeting one or more of the following conditions: directly or indirectly holding 25% or more of the shares. Directly or indirectly holding 25% or more of the voting rights. Directly or indirectly having the right to appoint a majority of the board of directors or equivalent governing body of the Tenderer.*

OR

We declare that we are unable to identify any Beneficial Owner meeting one or more of the following conditions. [If this option is selected, the Tenderer shall provide explanation on why it is unable to identify any Beneficial Owner]

Directly or indirectly holding 25% or more of the shares. Directly or indirectly holding 25% or more of the voting rights.

Directly or indirectly having the right to appoint a majority of the board of directors or equivalent governing body of the Tenderer”

Name of the Tenderer:[insert complete name of the Tenderer]_____*

*Name of the person duly authorized to sign the Tender on behalf of the Tenderer: ** [insert complete name of person duly authorized to sign the Tender]*

Title of the person signing the Tender: [insert complete title of the person signing the Tender]

Signature of the person named above: [insert signature of person whose name and capacity are shown above]

Date signed [insert date of signing] day of..... [Insert month], [insert year]