

COUNTY GOVERNMENT OF ISIOLO



DEPARTMENT OF AGRICULTURE, LIVESTOCK & FISHERIES
KENYA CLIMATE SMART AGRICULTURE PROJECT (KCSAP)

Request for Bids Civil Works (One-Envelope Bidding Process)

PROCUREMENT OF: *BUILDING AND CIVIL WORKS TO UPGRADE ISIOLO ABATTOIR IN BURAT WARD, ISIOLO SUB COUNTY TO INTERNATIONAL EXPORT STANDARD*

RFB No: *KE-ISIOLO COUNTY-300132-CW-RFB*

Project: *KENYA CLIMATE SMART AGRICULTURAL PROJECT (KCSAP)-ISIOLO*

Employer: *COUNTY GOVERNMENT OF ISIOLO (KCSAP)*

Country: *KENYA*

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Summary Description

SBD for Procurement of Works

PART 1 – BIDDING PROCEDURES

Section I. Instructions to Bidders (ITB)

This Section provides relevant information to help Bidders prepare their bids. Information is also provided on the submission, opening, and evaluation of bids and on the award of Contracts. **Section I contains provisions that are to be used without modification.**

Section II. Bid Data Sheet (BDS)

This Section includes of provisions that are specific to each procurement and that supplement Section I, Instructions to Bidders.

Section III. Evaluation and Qualification Criteria

This Section includes the criteria to determine the lowest evaluated bid and the qualifications of the Bidder to perform the contract.

Section IV. Bidding Forms

This Section includes the forms which are to be completed by the Bidder and submitted as part of its Bid.

Section V. Eligible Countries

This Section contains information regarding eligible countries.

Section VI. Bank Policy – Corrupt and Fraudulent Practices

This Section provides the Bidders with the reference to the Bank's policy in regard to corrupt and fraudulent practices applicable to this process.

PART 2 – WORKS REQUIREMENTS

Section VII. Works Requirements

This Section contains the Specification, the Drawings, and supplementary information that describe the Works to be procured. The Works Requirements shall also include (ES) requirements (including requirements relating to

Sexual Exploitation and Abuse (SEA) and Sexual Harassment (SH)) which are to be satisfied by the Contractor in executing the Works.

PART 3 – *CONDITIONS OF CONTRACT AND CONTRACT FORMS*

Section VIII. General Conditions of Contract (GCC)

This Section contains the general clauses to be applied in all contracts. **The text of the clauses in this Section shall not be modified.**

Section IX. Particular Conditions of Contract (PCC)

This Section consists of the Particular Conditions of Contract which contains provisions specific to each contract. The contents of this Section modify or supplement the General Conditions and shall be prepared by the Employer.

Section X. Contract Forms

This Section contains the Letter of Acceptance, Contract Agreement and other relevant forms.

Attachment: Invitation for Bids

An “Invitation for Bids” form is provided at the end of the Bidding Documents for information.

Standard Bidding Document

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PART 1 – Bidding Procedures

Section 1 - Instructions to Bidders

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Section I - Instructions to Bidders

A. General

1. Scope of Bid

1.1 In connection with the Invitation for Bids **specified in the Bid Data Sheet (BDS)**, the Employer, as **specified in the BDS**, issues these Bidding Documents for the procurement of the Works as specified in Section VII, Works Requirements. The name, identification, and number of lots (contracts) of this bidding are **specified in the BDS**.

1.2 Throughout this Bidding Document:

(a) the term “in writing” means communicated in written form and delivered against receipt;

(b) except where the context requires otherwise, words indicating the singular also include the plural and words indicating the plural also include the singular;

(c) “day” means calendar day; and

i. “**ES**” means environmental and social (including Sexual Exploitation, and Abuse (SEA) and Sexual Harassment (SH));

ii. “**Sexual Exploitation and Abuse**” “(SEA)” means the following:

“**Sexual Exploitation**” is defined as any actual or attempted abuse of position of vulnerability, differential power or trust, for sexual purposes, including, but not limited to, profiting monetarily, socially or politically from the sexual exploitation of another;

“**Sexual Abuse**” is defined as the actual or threatened physical intrusion of a sexual nature, whether by force or under unequal or coercive conditions;

iii. “**Sexual Harassment**” “(SH)” is defined as unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature by the Contractor’s Personnel with other Contractor’s or Employer’s Personnel;

iv. “**Contractor’s Personnel**” is as defined in Sub- Clause 1

(ii) of the General Conditions of Contract; and

- v. **“Employer’s personnel”** is as defined in GCC Sub-Clause 1 (nn) of the General Conditions of Contract.

A non-exhaustive list of (i) behaviors which constitute SEA and (ii) behaviors which constitute SH is attached to the Code of Conduct form in Section IV.

2. Source of Funds

2.1 The Borrower or Recipient (hereinafter called “Borrower”) **specified in the BDS** has received or has applied for financing (hereinafter called “funds”) from the International Bank for Reconstruction and Development or the International Development Association (hereinafter called “the Bank”) in an amount **specified in the BDS**, toward the project named **in the BDS**. The Borrower intends to apply a portion of the funds to eligible payments under the contract(s) for which these Bidding Documents are issued.

2.2 Payment by the Bank will be made only at the request of the Borrower and upon approval by the Bank, and will be subject, in all respects, to the terms and conditions of the Loan (or other financing) Agreement. The Loan (or other financing) Agreement prohibits a withdrawal from the Loan (or other financing) account for the purpose of any payment to persons or entities, or for any import of goods, if such payment or import, to the knowledge of the Bank, is prohibited by a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations. No party other than the Borrower shall derive any rights from the Loan (or other financing) Agreement or have any claim to the proceeds of the Loan (or other financing).

3. Corrupt and Fraudulent Practices

3.1 The Bank requires compliance with its policy in regard to corrupt and fraudulent practices as set forth in Section VI.

3.2 In further pursuance of this policy, Bidders shall permit and shall cause their agents (whether declared or not), sub-contractors, sub-consultants, service providers, suppliers, and personnel, to permit the Bank to inspect all accounts, records and other documents relating to any prequalification process, bid submission, and contract performance (in the case of award), and to have them audited by auditors appointed by the Bank.

4. Eligible Bidders

4.1 A Bidder may be a firm that is a private entity, or a government-owned entity—subject to ITB 4.5—or any combination of them 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. In the case of a joint venture, all members shall be jointly and severally liable for the execution of the 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 bidding process and, in the event the JV is awarded the Contract, during contract execution. **Unless specified in the BDS, there is no limit on the number of members in a JV.**

- 4.2 A Bidder shall not have a conflict of interest. All Bidders found to have a conflict of interest shall be disqualified. A Bidder may be considered to have a conflict of interest for the purpose of this bidding process, if the Bidder:
- (a) directly or indirectly controls, is controlled by or is under common control with another Bidder; or
 - (b) receives or has received any direct or indirect subsidy from another Bidder; or
 - (c) has the same legal representative as another Bidder; or
 - (d) has a relationship with another Bidder, directly or through common third parties, that puts it in a position to influence the bid of another Bidder, or influence the decisions of the Employer regarding this bidding process; or
 - (e) participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all Bids in which such Bidder is involved. However, this does not limit the inclusion of the same subcontractor in more than one bid; or
 - (f) or 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 bid; or
 - (g) or any of its affiliates has been hired (or is proposed to be hired) by the Employer or Borrower as Engineer for the Contract implementation;
 - (h) would be providing goods, works, or non-consulting services resulting from or directly related to consulting services for the preparation or implementation of the project specified in the BDS ITB 2.1 that it provided or were provided by any affiliate that directly or indirectly controls, is controlled by, or is under common control with that firm;

- (i) has a close business or family relationship with a professional staff of the Borrower (or of the project implementing agency, or of a recipient of a part of the loan) who: (i) are directly or indirectly involved in the preparation of the bidding documents or specifications of the contract, and/or the bid 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 Bank throughout the procurement process and execution of the contract.
- 4.3 A Bidder may have the nationality of any country, subject to the restrictions pursuant to ITB 4.7. A Bidder shall be deemed to have the nationality of a country if the Bidder 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 sub-contractors or sub-consultants for any part of the Contract including related Services.
- 4.4 A Bidder that has been sanctioned by the Bank in accordance with the above ITB 3.1, including in accordance with the Bank's Guidelines on Preventing and Combating Corruption in Projects Financed by IBRD Loans and IDA Credits and Grants ("Anti-Corruption Guidelines"), shall be ineligible to be prequalified for, bid for, or be awarded a Bank-financed contract or benefit from a Bank-financed contract, financially or otherwise, during such period of time as the Bank shall have determined. The list of debarred firms and individuals is available at the electronic address **specified in the BDS**.
- 4.5 Bidders that are Government-owned enterprises or institutions in the Employer's Country may participate only if they can establish that they (i) are legally and financially autonomous (ii) operate under commercial law, and (iii) are not dependent agencies of the Employer. To be eligible, a government-owned enterprise or institution shall establish to the Bank's satisfaction, through all relevant documents, including its Charter and other information the Bank may request, that it: (i) is a legal entity separate from the government (ii) does not currently receive substantial subsidies or budget support; (iii) operates like any commercial enterprise, and, inter alia, is not obliged to pass on its surplus to the government, can acquire rights and liabilities, borrow funds and be liable for repayment of its debts, and can be declared bankrupt; and (iv) is not bidding for a contract to be awarded by the department or agency of

the government which under their applicable laws or regulations is the reporting or supervisory authority of the enterprise or has the ability to exercise influence or control over the enterprise or institution.

- 4.6 A Bidder shall not be under suspension from bidding by the Employer as the result of the operation of a Bid-Securing Declaration.
- 4.7 Firms and individuals may be ineligible if so indicated in Section V and (a) as a matter of law or official regulations, the Borrower's country prohibits commercial relations with that country, provided that the Bank is satisfied that such exclusion does not preclude effective competition for the supply of goods or the contracting of works or services required; 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, the Borrower's country 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.
- 4.8 A Bidder shall provide such evidence of eligibility satisfactory to the Employer, as the Employer shall reasonably request.

5. Eligible Materials, Equipment and Services

- 5.1 The materials, equipment and services to be supplied under the Contract and financed by the Bank may have their origin in any country subject to the restrictions specified in Section V, Eligible Countries, and all expenditures under the Contract will not contravene such restrictions. At the Employer's request, Bidders may be required to provide evidence of the origin of materials, equipment and services.

B. Contents of Bidding Document

6. Sections of Bidding Document

- 6.1 The Bidding Document consist of Parts 1, 2, and 3, which include all the Sections specified below, and which should be read in conjunction with any Addenda issued in accordance with ITB 8.

PART 1 Bidding Procedures

Section I - Instructions to Bidders (ITB)

Section II - Bid Data Sheet (BDS)

Section III - Evaluation and Qualification Criteria

Section IV - Bidding Forms

Section V - Eligible Countries

Section VI – Bank Policy-Corrupt and Fraudulent

Practices

PART 2 Works Requirements

Section VII - Works Requirements

PART 3 Conditions of Contract and Contract Forms

Section VIII - General Conditions of Contract (GCC)

Section IX - Particular Conditions of Contract (PCC)

Section X - Contract Forms

- 6.2 The Invitation for Bids issued by the Employer is not part of the Bidding Document.
- 6.3 Unless obtained directly from the Employer, the Employer is not responsible for the completeness of the Bidding Documents, responses to requests for clarification, the minutes of the pre-Bid meeting (if any), or Addenda to the Bidding Documents in accordance with ITB 8. In case of any contradiction, documents obtained directly from the Employer shall prevail.
- 6.4 The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Documents and to furnish with its bid all information and documentation as is required by the Bidding Documents.
- 7. Clarification of Bidding Document, Site Visit, Pre-Bid Meeting**
- 7.1 A Bidder requiring any clarification of the Bidding Document shall contact the Employer in writing at the Employer's address **specified in the BDS** or raise its inquiries during the pre-bid meeting if provided for in accordance with ITB 7.4. The Employer will respond in writing to any request for clarification, provided that such request is received prior to the deadline for submission of bids within a period **specified in the BDS**. The Employer shall forward copies of its response to all Bidders who have acquired the Bidding Documents in accordance with ITB 6.3, including a description of the inquiry but without identifying its source. **If so specified in the BDS**, the Employer shall also promptly publish its response at the web page identified in the BDS. Should the clarification result in changes to the essential elements of the Bidding Documents, the Employer shall amend the Bidding Documents following the procedure under ITB 8 and ITB 22.2.
- 7.2 The Bidder is advised to visit and examine the Site of Works and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the bid and entering into a contract for construction of the Works. The costs of visiting the Site shall be at the Bidder's own expense.
- 7.3 The Bidder and any of its personnel or agents will be granted permission by the Employer to enter upon its premises and lands

for the purpose of such visit, but only upon the express condition that the Bidder, its personnel, and agents will release and indemnify the Employer and its personnel and agents from and against all liability in respect thereof, and will be responsible for death or personal injury, loss of or damage to property, and any other loss, damage, costs, and expenses incurred as a result of the inspection.

- 7.4 **If so specified in the BDS**, the Bidder's designated representative is invited to attend a pre-bid meeting. The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.
- 7.5 The Bidder is requested, to submit any questions in writing, to reach the Employer not later than one week before the meeting.
- 7.6 Minutes of the pre-bid meeting, if applicable, including the text of the questions asked by Bidders, without identifying the source, and the responses given, together with any responses prepared after the meeting, will be transmitted promptly to all Bidders who have acquired the Bidding Documents in accordance with ITB 6.3. Any modification to the Bidding Documents that may become necessary as a result of the pre-bid meeting shall be made by the Employer exclusively through the issue of an addendum pursuant to ITB 8 and not through the minutes of the pre-bid meeting. Nonattendance at the pre-bid meeting will not be a cause for disqualification of a Bidder.

8. Amendment of Bidding Document

- 8.1 At any time prior to the deadline for submission of bids, the Employer may amend the Bidding Documents by issuing addenda.
- 8.2 Any addendum issued shall be part of the Bidding Documents and shall be communicated in writing to all who have obtained the Bidding Document from the Employer in accordance with ITB 6.3. The Employer shall also promptly publish the addendum on the Employer's web page in accordance with ITB 7.1.
- 8.3 To give prospective Bidders reasonable time in which to take an addendum into account in preparing their bids, the Employer may, at its discretion, extend the deadline for the submission of bids, pursuant to ITB 22.2.

C. Preparation of Bids

9. Cost of Bidding

- 9.1 The Bidder shall bear all costs associated with the preparation

and submission of its Bid, and the Employer shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

10. Language of Bid

10.1 The Bid, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Employer, shall be written in the language **specified in the BDS**. Supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language **specified in the BDS**, in which case, for purposes of interpretation of the Bid, such translation shall govern.

11. Documents Comprising the Bid

11.1 The Bid shall comprise the following:

- D.** Letter of Bid in accordance with ITB 12;
- E.** completed Schedules, in accordance with ITB 12 and 14: **as specified in the BDS**;
- F.** Bid Security or Bid Securing Declaration, in accordance with ITB 19.1;
- G.** alternative bids, if permissible, in accordance with ITB 13;
- H.** written confirmation authorizing the signatory of the Bid to commit the Bidder, in accordance with ITB 20.2;
- I.** documentary evidence in accordance with ITB 17 establishing the Bidder's qualifications to perform the contract if its Bid is accepted;
- J.** Technical Proposal in accordance with ITB 16;
- K.** any other document **required in the BDS**.

11.2 In addition to the requirements under ITB 11.1, bids 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 bid shall be signed by all members and submitted with the bid, together with a copy of the proposed Agreement.

11.3 The Bidder shall furnish in the Letter of Bid information on commissions and gratuities, if any, paid or to be paid to agents or any other party relating to this Bid.

12. Letter of Bid and

12.1 The Letter of Bid and Schedules shall be prepared using the

Schedules

relevant forms furnished in Section IV, Bidding Forms. The forms must be completed without any alterations to the text, and no substitutes shall be accepted except as provided under ITB 20.2. All blank spaces shall be filled in with the information requested.

13. Alternative Bids

13.1 Unless otherwise **specified in the BDS**, alternative bids shall not be considered.

13.2 When alternative times for completion are explicitly invited, a statement to that effect will be **included in the BDS**, as will the method of evaluating different times for completion.

13.3 Except as provided under ITB 13.4 below, Bidders wishing to offer technical alternatives to the requirements of the Bidding Document must first price the Employer's design as described in the Bidding Document and shall further provide all information necessary for a complete evaluation of the alternative by the Employer, 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 lowest evaluated Bidder conforming to the basic technical requirements shall be considered by the Employer.

13.4 When **specified in the BDS**, Bidders are permitted to submit alternative technical solutions for specified parts of the Works. Such parts will be **identified in the BDS** and described in Section VII. Works Requirements. The method for their evaluation will be stipulated in Section III. Evaluation and Qualification Criteria.

14. Bid Prices and Discounts

14.1 The prices and discounts (including any price reduction) quoted by the Bidder in the Letter of Bid and in the Schedules shall conform to the requirements specified below.

14.2 The Bidder shall submit a bid for the whole of the works described in ITB 1.1 by filling in prices for all items of the Works, as identified in Section IV. Bidding Forms. In case of admeasurement contracts, the Bidder 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 Bidder will not be paid for by the Employer when executed and shall be deemed covered by the rates for other items and prices in the Bill of Quantities.

14.3 The price to be quoted in the Letter of Bid, in accordance with ITB 12.1, shall be the total price of the bid, excluding any

discounts offered.

14.4 The Bidder shall quote any discounts and the methodology for their application in the Letter of Bid, in accordance with ITB 12.1.

14.5 **Unless otherwise provided in the BDS** and the Conditions of Contract, the prices quoted by the Bidder shall be fixed. If the prices quoted by the Bidder are subject to adjustment during the performance of the Contract in accordance with the provisions of the Conditions of Contract, the Bidder shall furnish the indices and weightings for the price adjustment formulae in the Schedule of Adjustment Data in Section IV- Bidding Forms and the Employer may require the Bidder to justify its proposed indices and weightings.

14.6 If so specified in ITB 1.1, bids are invited for individual lots (contracts) or for any combination of lots (packages). Bidders wishing to offer discounts for the award of more than one Contract shall specify in their bid the price reductions applicable to each package, or alternatively, to individual Contracts within the package. Discounts shall be submitted in accordance with ITB 14.4, provided the bids for all lots (contracts) are opened at the same time.

14.7 All duties, taxes, and other levies payable by the Contractor under the Contract, or for any other cause, as of the date 28 days prior to the deadline for submission of bids, shall be included in the rates and prices¹ and the total bid price submitted by the Bidder.

15. Currencies of Bid and Payment

15.1 The currency(ies) of the bid and the currency(ies) of payments shall be as **specified in the BDS**.

15.2 Bidders may be required by the Employer to justify, to the Employer's satisfaction, their local and foreign currency requirements, and to substantiate that the amounts included in the unit rates and prices and shown in the Schedule of Adjustment Data are reasonable², in which case a detailed breakdown of the foreign currency requirements shall be provided by Bidders.

16. Documents Comprising the Technical

16.1 The Bidder shall furnish a Technical Proposal including a statement of work methods, equipment, personnel, schedule and any other information as stipulated in Section IV, Bidding Forms, in sufficient detail to demonstrate the adequacy of the

¹ In lump sum contracts, delete "rates and prices and the."

² For lump sum contracts, delete "unit rates and prices and shown in the Schedule of Adjustment Data are reasonable" and replace with "Lump Sum."

- Proposal** Bidders' proposal to meet the work requirements and the completion time.
- 17. Documents Establishing the Qualifications of the Bidder**
- 17.1 In accordance with Section III, Evaluation and Qualification Criteria, to establish its qualifications to perform the Contract, the Bidder shall provide the information requested in the corresponding information sheets included in Section IV, Bidding Forms.
- 17.2 If a margin of preference applies as specified in accordance with ITB 33.1, domestic Bidders, individually or in joint ventures, applying for eligibility for domestic preference shall supply all information required to satisfy the criteria for eligibility specified in accordance with ITB 33.1.
- 18. Period of Validity of Bids**
- 18.1 Bids shall remain valid until the date specified **in the BDS** or any extended date if amended by the Employer in accordance with ITB 8. A bid that is not valid until the date specified **in the BDS**, or any extended date if amended by the Employer in accordance with ITB 8, shall be rejected by the Employer as nonresponsive.
- 18.2 In exceptional circumstances, prior to the date of expiry of the bid validity, the Employer may request Bidders to extend the period of validity of their bids. The request and the responses shall be made in writing. If a bid security is requested in accordance with ITB 19, it shall also be extended for twenty-eight (28) days beyond the extended date for bid validity. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request shall not be required or permitted to modify its bid, except as provided in ITB 18.3.
- 18.3 If the award is delayed by a period exceeding fifty-six (56) days beyond the expiry of the initial bid validity, the Contract price shall be determined as follows:
- In the case of fixed price contracts, the Contract price shall be the bid price adjusted by the factor **specified in the BDS**.
 - In the case of adjustable price contracts, no adjustment shall be made.
 - In any case, bid evaluation shall be based on the bid price without taking into consideration the applicable correction from those indicated above.
- 19. Bid Security**
- 19.1 The Bidder shall furnish as part of its bid, either a Bid-Securing Declaration or a bid security **as specified in the BDS**, in original form and, in the case of a bid security, in the amount and

currency **specified in the BDS.**

19.2 A Bid Securing Declaration shall use the form included in Section IV, Bidding Forms.

19.3 If a bid security is specified pursuant to ITB 19.1, the bid security shall be a demand guarantee in any of the following forms at the Bidder's option:

(a) an unconditional guarantee issued by a bank or financial institution (such as an insurance, bonding or surety company);

(b) an irrevocable letter of credit;

(c) a cashier's or certified check; or

(d) another security **specified in the BDS.**

from a reputable source from an eligible country. If the unconditional guarantee is issued by a financial institution located outside the Employer's Country, the issuing financial institution shall have a correspondent financial institution located in the Employer's Country to make it enforceable. In the case of a bank guarantee, the bid security shall be submitted either using the Bid Security Form included in Section IV, Bidding Forms, or in another substantially similar format approved by the Employer prior to bid submission. The bid security shall be valid for twenty-eight (28) days beyond the original date of expiry of the bid validity, or beyond any extended date if requested under ITB 18.2.

19.4 If a bid security or Bid Securing Declaration is specified pursuant to ITB 19.1, any bid not accompanied by a substantially responsive bid security or Bid-Securing Declaration shall be rejected by the Employer as non responsive.

19.5 If a bid security is specified pursuant to ITB 19.1, the bid security of unsuccessful Bidders shall be returned as promptly as possible upon the successful Bidder's signing the Contract and furnishing the performance security and if required in the BDS, the Environmental and Social (ES) Performance Security pursuant to ITB 42.

19.6 The bid security of the successful Bidder shall be returned as promptly as possible once the successful Bidder has signed the Contract and furnished the required performance security and if required in the BDS, the Environmental and Social (ES)

Performance Security.

19.7 The bid security may be forfeited:

- (a) if a Bidder withdraws its bid prior to the expiry date of the bid validity specified by the Bidder on the Letter of Bid, or any extension thereto provided by the Bidder; or
- (b) if the successful Bidder fails to:
 - a. sign the Contract in accordance with ITB 41; or
 - b. furnish a performance security and if required in the BDS, the Environmental and Social (ES) Performance Security in accordance with ITB 42.

19.8 The bid security or the Bid Securing Declaration of a JV shall be in the name of the JV that submits the bid. If the JV has not been constituted into a legally-enforceable JV, at the time of bidding, the Bid Security or the Bid Securing Declaration shall be in the names of all future members as named in the letter of intent mentioned in ITB 4.1 and ITB 11.2.

19.9 If a bid security is **not required in the BDS**, and

- a. if a Bidder withdraws its bid prior to the expiry date of the Bid validity specified by the Bidder on the Letter of Bid or any extended date provided by the Bidder; or
- (b) if the successful Bidder fails to: sign the Contract in accordance with ITB 41; or furnish a performance security and if required in the BDS, the Environmental and Social (ES) Performance Security in accordance with ITB 42;

the Borrower may, **if provided for in the BDS**, declare the Bidder ineligible to be awarded a contract by the Employer for a period of time **as stated in the BDS**.

**20. Format and
Signing of Bid**

20.1 The Bidder shall prepare one original of the documents comprising the bid as described in ITB 11 and clearly mark it "ORIGINAL". Alternative bids, if permitted in accordance with ITB 13, shall be clearly marked "ALTERNATIVE". In addition, the Bidder shall submit copies of the bid in the number **specified in the BDS**, and clearly mark each of them "COPY." In the event of any discrepancy between the original and the copies, the original shall prevail.

20.2 The original and all copies of the bid shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Bidder. This authorization shall consist of a

written confirmation as **specified in the BDS** and shall be attached to the bid. The name and position held by each person signing the authorization must be typed or printed below the signature. All pages of the bid where entries or amendments have been made shall be signed or initialed by the person signing the bid.

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

20.4 Any interlineations, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the bid.

L. Submission and Opening of Bids

21. Sealing and Marking of Bids

21.1 The Bidder shall enclose the original and all copies of the bid, including alternative bids, if permitted in accordance with ITB 13, in separate sealed envelopes, duly marking the envelopes as "ORIGINAL", "ALTERNATIVE" and "COPY." These envelopes containing the original and the copies shall then be enclosed in one single envelope.

21.2 The inner and outer envelopes shall:

- (a) bear the name and address of the Bidder;
- (b) be addressed to the Employer as **provided in the BDS** pursuant to ITB 22.1;
- (c) bear the specific identification of this bidding process specified in accordance with BDS 1.1; and
- (d) bear a warning not to open before the time and date for bid opening.

21.3 If all envelopes are not sealed and marked as required, the Employer will assume no responsibility for the misplacement or premature opening of the bid.

22. Deadline for Submission of Bids

22.1 Bids must be received by the Employer at the address and no later than the date and time **specified in the BDS**. When so **specified in the BDS**, bidders shall have the option of submitting their bids electronically. Bidders submitting bids electronically shall follow the electronic bid submission procedures **specified in the BDS**.

- 22.2 The Employer may, at its discretion, extend the deadline for the submission of bids by amending the Bidding Document in accordance with ITB 8, in which case all rights and obligations of the Employer and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.
- 23. Late Bids**
- 23.1 The Employer shall not consider any bid that arrives after the deadline for submission of bids, in accordance with ITB 22. Any bid received by the Employer after the deadline for submission of bids shall be declared late, rejected, and returned unopened to the Bidder.
- 24. Withdrawal, Substitution, and Modification of Bids**
- 24.1 A Bidder may withdraw, substitute, or modify its bid 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 ITB 20.2, (except that withdrawal notices do not require copies). The corresponding substitution or modification of the bid must accompany the respective written notice. All notices must be:
- (a) prepared and submitted in accordance with ITB 20 and ITB 21 (except that withdrawal notices do not require copies), and in addition, the respective envelopes shall be clearly marked “WITHDRAWAL,” “SUBSTITUTION,” “MODIFICATION;” and
 - (b) received by the Employer prior to the deadline prescribed for submission of bids, in accordance with ITB 22.
- 24.2 Bids requested to be withdrawn in accordance with ITB 24.1 shall be returned unopened to the Bidders.
- 24.3 No bid may be withdrawn, substituted, or modified in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Letter of Bid or any extension thereof.
- 25. Bid Opening**
- 25.1 Except in the cases specified in ITB 23 and 24, the Employer shall publicly open and read out in accordance with ITB 25.3 all bids received by the deadline, at the date, time and place **specified in the BDS**, in the presence of Bidders` designated representatives and anyone who choose to attend. Any specific electronic bid opening procedures required if electronic bidding is permitted in accordance with ITB 22.1, shall be **as specified in the BDS**.
- 25.2 First, envelopes marked “WITHDRAWAL” shall be opened and read out and the envelope with the corresponding bid shall not be opened, but returned to the Bidder. No bid withdrawal shall be permitted unless the corresponding withdrawal notice contains a

valid authorization to request the withdrawal and is read out at bid opening. Next, envelopes marked "SUBSTITUTION" shall be opened and read out and exchanged with the corresponding bid being substituted, and the substituted bid shall not be opened, but returned to the Bidder. No bid substitution shall be permitted unless the corresponding substitution notice contains a valid authorization to request the substitution and is read out at bid opening. Envelopes marked "MODIFICATION" shall be opened and read out with the corresponding bid. No bid modification shall be permitted unless the corresponding modification notice contains a valid authorization to request the modification and is read out at bid opening. Only envelopes that are opened and read out at bid opening shall be considered further.

25.3 All other envelopes shall be opened one at a time, reading out: the name of the Bidder and whether there is a modification; the total Bid Price, per lot (contract) if applicable, including any discounts and alternative bids; the presence or absence of a bid security, or Bid Securing Declaration, if required; and any other details as the Employer may consider appropriate. Only discounts and alternative bids read out at bid opening shall be considered for evaluation. The Letter of Bid and the Bill of Quantities are to be initialed by representatives of the Employer attending bid opening in the manner **specified in the BDS**. The Employer shall neither discuss the merits of any bid nor reject any bid (except for late bids, in accordance with ITB 23.1).

25.4 The Employer shall prepare a record of the bid opening that shall include, as a minimum: the name of the Bidder and whether there is a withdrawal, substitution, or modification; the Bid Price, per lot (contract) if applicable, including any discounts and alternative bids; and the presence or absence of a bid security, if one was required. The Bidders' representatives who are present shall be requested to sign the record. The omission of a Bidder's signature on the record shall not invalidate the contents and effect of the record. A copy of the record shall be distributed to all Bidders.

M. Evaluation and Comparison of Bids

26. Confidentiality

26.1 Information relating to the evaluation of bids and recommendation of contract award, shall not be disclosed to Bidders or any other persons not officially concerned with the bidding process until information on Contract award is communicated to all Bidders in accordance with ITB 40.

- 26.2 Any attempt by a Bidder to influence the Employer in the evaluation of the bids or Contract award decisions may result in the rejection of its bid.
- 26.3 Notwithstanding ITB 26.2, from the time of bid opening to the time of Contract award, if a Bidder wishes to contact the Employer on any matter related to the bidding process, it shall do so in writing.
- 27. Clarification of Bids**
- 27.1 To assist in the examination, evaluation, and comparison of the bids, and qualification of the Bidders, the Employer may, at its discretion, ask any Bidder for a clarification of its bid given a reasonable time for a response. Any clarification submitted by a Bidder that is not in response to a request by the Employer shall not be considered. The Employer'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 bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the bids, in accordance with ITB 31.
- 27.2 If a Bidder does not provide clarifications of its bid by the date and time set in the Employer's request for clarification, its bid may be rejected.
- 28. Deviations, Reservations, and Omissions**
- 28.1 During the evaluation of bids, the following definitions apply:
- (a) "Deviation" is a departure from the requirements specified in the Bidding Document;
 - (b) "Reservation" is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the Bidding Document; and
 - (c) "Omission" is the failure to submit part or all of the information or documentation required in the Bidding Document.
- 29. Determination of Responsiveness**
- 29.1 The Employer's determination of a bid's responsiveness is to be based on the contents of the bid itself, as defined in ITB11.
- 29.2 A substantially responsive bid is one that meets the requirements of the Bidding Document without material deviation, reservation, or omission. A material deviation, reservation, or omission is one that,
- (a) if accepted, would:
 - (i) affect in any substantial way the scope, quality, or

performance of the Works specified in the Contract; or

- (ii) limit in any substantial way, inconsistent with the Bidding Document, the Employer's rights or the Bidder's obligations under the proposed Contract; or

- (b) if rectified, would unfairly affect the competitive position of other Bidders presenting substantially responsive bids.

29.3 The Employer shall examine the technical aspects of the bid submitted in accordance with ITB 16, Technical Proposal, in particular, to confirm that all requirements of Section VII (Works Requirements) have been met without any material deviation, reservation or omission.

29.4 If a bid is not substantially responsive to the requirements of the Bidding Document, it shall be rejected by the Employer and may not subsequently be made responsive by correction of the material deviation, reservation, or omission.

30. Nonconformities, Errors, and Omissions

30.1 Provided that a bid is substantially responsive, the Employer may waive any nonconformities in the bid.

30.2 Provided that a bid is substantially responsive, the Employer may request that the Bidder submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities in the bid related to documentation requirements. Requesting information or documentation on such nonconformities shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.

30.3 Provided that a bid is substantially responsive, the Employer shall rectify quantifiable nonmaterial nonconformities related to the Bid Price. To this effect, the Bid Price shall be adjusted, for comparison purposes only to reflect the price of a missing or non-conforming item or component, by adding the average price of the item or component quoted by substantially responsive Bidders. If the price of the item or component cannot be derived from the price of other substantially responsive bids, the Employer shall use its best estimate.

31. Correction of Arithmetical Errors

31.1 Provided that the bid is substantially responsive, the Employer shall correct arithmetical errors on the following basis:

- (a) only for admeasurement contracts, if there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall

prevail and the total price shall be corrected, unless in the opinion of the Employer there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected;

(b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and

(c) 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 subject to (a) and (b) above.

31.2 Bidders shall be requested to accept correction of arithmetical errors. Failure to accept the correction in accordance with ITB 31.1, shall result in the rejection of the Bid.

32. Conversion to Single Currency

32.1 For evaluation and comparison purposes, the currency(ies) of the Bid shall be converted into a single currency as **specified in the BDS**.

33. Margin of Preference

33.1 **Unless otherwise specified in the BDS**, a margin of preference for domestic bidders³ shall not apply.

34. Subcontractors

34.1 Unless otherwise stated in the BDS, the Employer does not intend to execute any specific elements of the Works by sub-contractors selected in advance by the Employer.

34.2 The Employer may permit subcontracting for certain specialized works as indicated in Section III. When subcontracting is permitted by the Employer, the specialized sub-contractor's experience shall be considered for evaluation. Section III describes the qualification criteria for sub-contractors.

34.3 Bidders may propose subcontracting up to the percentage of total value of contracts or the volume of works as **specified in the BDS**.

³ An individual firm is considered a domestic bidder for purposes of the margin of preference if it is registered in the country of the Employer, has more than 50 percent ownership by nationals of the country of the Employer, and if it does not subcontract more than 10 percent of the contract price, excluding provisional sums, to foreign contractors. JVs are considered as domestic bidders and eligible for domestic preference only if the individual member firms are registered in the country of the Employer or have more than 50 percent ownership by nationals of the country of the Employer, and the JV shall be registered in the country of the Borrower. The JV shall not subcontract more than 10 percent of the contract price, excluding provisional sums, to foreign firms. JVs between foreign and national firms will not be eligible for domestic preference.

35. Evaluation of Bids

35.1 The Employer shall use the criteria and methodologies listed in this Clause. No other evaluation criteria or methodologies shall be permitted.

35.2 To evaluate a bid, the Employer shall consider the following:

- (a) the bid price, excluding Provisional Sums and the provision, if any, for contingencies in the Summary Bill of Quantities⁴ for admeasurement contracts, but including Daywork⁵ items, where priced competitively;
- (b) price adjustment for correction of arithmetic errors in accordance with ITB 31.1;
- (c) price adjustment due to discounts offered in accordance with ITB 14.4;
- (d) converting the amount resulting from applying (a) to (c) above, if relevant, to a single currency in accordance with ITB 32;
- (e) price adjustment for nonconformities in accordance with ITB 30.3;
- (f) the additional evaluation factors are specified in Section III (Evaluation and Qualification Criteria);

35.3 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 taken into account in bid evaluation.

35.4 If this Bidding Document allows Bidders to quote separate prices for different lots (contracts), the methodology to determine the lowest evaluated price of the contract combinations, including any discounts offered in the Letter of Bid, is specified in Section III. Evaluation and Qualification Criteria.

35.5 If the bid for an admeasurement contract, which results in the lowest Evaluated Bid Price, is seriously unbalanced or, front loaded in the opinion of the Employer, the Employer may require the Bidder to produce detailed price analyses for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices with the construction methods and schedule

⁴ In lump sum contracts, delete “Bill of Quantities” and replace with “Activity Schedule.”

⁵ Daywork is work carried out following instructions of the Project Manager and paid for on the basis of time spent by workers, and the use of materials and the Contractor’s equipment, at the rates quoted in the Bid. For Daywork to be priced competitively for Bid evaluation purposes, the Employer must list tentative quantities for individual items to be costed against Daywork (e.g., a specific number of tractor driver staff-days, or a specific tonnage of Portland cement), to be multiplied by the bidders’ quoted rates and included in the total Bid price.

proposed. After evaluation of the price analyses, taking into consideration the schedule of estimated Contract payments, the Employer may require that the amount of the performance security be increased at the expense of the Bidder to a level sufficient to protect the Employer against financial loss in the event of default of the successful Bidder under the Contract.

- 36. Comparison of Bids** 36.1 The Employer shall compare the evaluated prices of all substantially responsive bids established in accordance with ITB 35.2 to determine the lowest evaluated bid.
- 37. Qualification of the Bidder** 37.1 The Employer shall determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated and substantially responsive bid meets the qualifying criteria specified in Section III. Evaluation and Qualification Criteria.
- 37.2 The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB 17.1.
- 37.3 Prior to Contract award, the Employer will verify that the successful Bidder (including each member of a JV) is not disqualified by the Bank due to noncompliance with contractual SEA/SH prevention and response obligations. The Employer will conduct the same verification for each subcontractor proposed by the successful Bidder. If any proposed subcontractor does not meet the requirement, the Employer will require the Bidder to propose a replacement subcontractor.
- 37.4 An affirmative determination of qualification shall be a prerequisite for award of the Contract to the Bidder. A negative determination shall result in disqualification of the bid, in which event the Employer shall proceed to the next lowest evaluated bid to make a similar determination of that Bidder's qualifications to perform satisfactorily.
- 38. Employer's Right to Accept Any Bid, and to Reject Any or All Bids** 38.1 The Employer reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to Bidders. In case of annulment, all bids submitted and specifically, bid securities, shall be promptly returned to the Bidders.

N. Award of Contract

- 39. Award Criteria** 39.1 Subject to ITB 37.1, the Employer shall award the Contract to the Bidder whose bid has been determined to be the lowest

evaluated bid and is substantially responsive to the Bidding Document, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.

40. Notification of Award

40.1 Prior to the expiration of the bid validity, the Employer shall notify the successful Bidder, in writing, via the Letter of Acceptance included in the Contract Forms, that its bid has been accepted. At the same time, the Employer shall also notify all other Bidders of the results of the bidding, and shall publish in UNDB online the results identifying the bid and lot (contract) numbers and the following information:

- (i) name of each Bidder who submitted a Bid;
- (ii) bid prices as read out at Bid Opening;
- (iii) name and evaluated prices of each Bid that was evaluated;
- (iv) name of bidders whose bids were rejected and the reasons for their rejection; and
- (v) name of the winning Bidder, and the Price it offered, as well as the duration and summary scope of the contract awarded.

40.2 Until a formal contract is prepared and executed, the notification of award shall constitute a binding Contract.

40.3 The Employer shall promptly respond in writing to any unsuccessful Bidder who, after notification of award in accordance with ITB 40.1, requests in writing the grounds on which its bid was not selected.

- 41. Signing of Contract**
- 41.1 Promptly upon notification, the Employer shall send the successful Bidder the Contract Agreement.
- 41.2 Within twenty-eight (28) days of receipt of the Contract Agreement, the successful Bidder shall sign, date, and return it to the Employer.
- 42. Performance Security**
- 42.1 Within twenty-eight (28) days of the receipt of notification of award from the Employer, the successful Bidder shall furnish the performance security and, if required in the BDS, the Environmental and Social (ES) Performance Security in accordance with the conditions of contract, subject to ITB 35.5, using for that purpose the Performance Security and ES Performance Security Forms included in Section X. Contract Forms, or another form acceptable to the Employer. If the performance security furnished by the successful Bidder is in the form of a bond, it shall be issued by a bonding or insurance company that has been determined by the successful Bidder to be acceptable to the Employer. A foreign institution providing a bond shall have a correspondent financial institution located in the Employer's Country.
- 42.2 Failure of the successful Bidder to submit the above-mentioned Performance Security and, if required in the BDS, the Environmental and Social (ES) Performance Security, or to sign the Contract Agreement shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security. In that event the Employer may award the Contract to the next lowest evaluated Bidder whose offer is substantially responsive and is determined by the Employer to be qualified to perform the Contract satisfactorily.
- 43. Adjudicator**
- 43.1 The Employer proposes the person **named in the BDS** to be appointed as Adjudicator under the Contract, at the hourly fee **specified in the BDS**, plus reimbursable expenses. If the Bidder disagrees with this proposal, the Bidder should so state in his Bid. If, in the Letter of Acceptance, the Employer does not agree on the appointment of the Adjudicator, the Employer will request the Appointing Authority designated in the Particular Conditions of Contract (PCC) pursuant to Clause 23.1 of the General Conditions of Contract (GCC), to appoint the Adjudicator.

Section II - Bid Data Sheet (BDS)

A. Introduction

ITB 1.1	The number of the Invitation for Bids is: KE-ISIOLO COUNTY-300132-CW-RFB The Employer is: COUNTY GOVERNMENT OF ISIOLO
ITB 1.1	The name of the bidding process is: ONE ENVELOPE The name of the RFB is: BUILDING AND CIVIL WORKS TO UPGRADE ISIOLO ABATTOIR IN BURAT WARD TO INTERNATIONAL EXPORT STANDARD. The number and identification of lots comprising this bidding process is: N/A
ITB 2.1	The Borrower is: GOVERNMENT OF KENYA
ITB 2.1	The name of the Project is: KENYA CLIMATE SMART AGRICULTURE PROJECT(KCSAP)
ITB 2.1	Loan or Financing Agreement amount: US\$ 250 Million
ITB 4.1	Maximum number of members in the JV shall be: THREE.
ITB 4.4	A list of debarred firms and individuals is available on the Bank's external website: http://www.worldbank.org/debarr .

B. Bidding Documents

ITB 7.1	For <u>clarification purposes</u> only, the Employer's address is: KIRIMI STANLEY, COUNTY PROJECT COORDINATOR, KENYA CLIMATE SMART AGRICULTURE PROJECT, OLD AGRICULTURE OFFICE COUNTY COMMISSIONERS OFFICE COMPOUND, P.O BOX 6 – 60300 ISIOLO KENYA
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	<p>Attention: KIRIMI STANLEY</p> <p>Street Address: AS ABOVE</p> <p>Floor/Room number: PROJECRT COORDINATOR OFFICE</p> <p>City: ISIOLO</p> <p>ZIP Code: 60300</p> <p>Country: KENYA</p> <p>Telephone:(Cell phone); 0727570554</p> <p>Electronic mail address: kcsapisiolo@gmail.com</p> <p>Requests for clarification should be received by the Employer no later than: 14 days</p>
ITB 7.1	Web page: www.isiolo.go.ke
ITB 7.4	<p>A Pre-Bid meeting “shall” take place. If a Pre-Bid meeting will take place, it will be at the following date, time and place:</p> <p>Date: 20th February 20223</p> <p>Time: 10 am</p> <p>Place: Isiolo abattoir</p> <p>A site visit conducted by the Employer shall be organized.</p>

C. Preparation of Bids

ITB 10.1	<p>The language of the bid is: ENGLISH</p> <p>All correspondence exchange shall be in ENGLISH language.</p>
ITB 11.1 (b)	The following schedules shall be submitted with the bid: Activity Schedule
ITB 11.1 (h)	<p>The Bidder shall submit the following additional documents in its Bid: As per section III evaluation criteria requirements</p> <p>Code of Conduct for Contractor’s Personnel (ES)</p> <p>The Bidder shall submit its Code of Conduct that will apply to Contractor’s Personnel (as defined in Sub- Clause 1 (ii) of the General Conditions of Contract), to ensure compliance with the Contractor’s Environmental and Social (ES) obligations under the Contract. The Bidder shall use for this purpose the Code of Conduct form provided in Section IV. No substantial</p>

	<p>modifications shall be made to this form, except that the Bidder may introduce additional requirements, including as necessary to take into account specific Contract issues/risks.</p> <p>Management Strategies and Implementation Plans (MSIP) to manage the (ES) risks</p> <p><i>The Bidder shall submit Management Strategies and Implementation Plans (MSIPs) to manage the following key Environmental and Social (ES) risks:</i></p> <p><i>[Note: insert name of any specific plan and risk/s informed by the relevant environmental and social assessment]:</i></p> <ul style="list-style-type: none"> <i>i. [e.g. Sexual Exploitation, and Abuse (SEA) prevention and response action plan]</i> <i>ii. [e.g. Traffic Management Plan to ensure safety of local communities from construction traffic];</i>
ITB 13.1	Alternative bids <i>shall not be</i> permitted.
ITB 13.2	Alternative times for completion <i>shall not be</i> permitted. If alternative times for completion are permitted, the evaluation method will be as specified in Section III (Evaluation and Qualification Criteria).
ITB 13.4	Alternative technical solutions shall be permitted for the following parts of the Works: <i>N/A</i>
ITB 14.5	The prices quoted by the Bidder <i>shall not be</i> subject to adjustment during the performance of the Contract.
ITB 15.1	The prices shall be quoted by the bidder in: <i>Kenya shillings</i>
ITB 18.1	<i>The Bid shall be valid until 150 days from the date of tender opening</i>
ITB 18.3 (a)	The bid price shall be adjusted by the following factor(s): <i>N/A</i>
ITB 19.1	A Bid Security <i>shall be</i> required. A Bid-Securing Declaration <i>shall not be</i> required. If a Bid Security shall be required, the amount and currency of the bid security shall be: <i>KENYA SHILLINGS 600,000.00(SIX HUNDRED THOUSAND SHILLINGS ONLY)</i>
ITB 19.3 (d)	Other types of acceptable securities: <i>NONE</i>

ITB 20.1	In addition to the original of the bid, the number of copies is: TWO (2)
ITB 20.2	The written confirmation of authorization to sign on behalf of the Bidder shall consist of <i>Power of Attorney, authorization letter in company stationery</i>

D. Submission and Opening of Bids

ITB 22.1	Bidders <i>shall not</i> have the option of submitting their bids electronically.
ITB 22.1	<p>For bid submission purposes only, the Employer's address is: <i>[insert all required and applicable information]</i></p> <p>Attention: THE COUNTY PROJECT COORDINATOR, KENYA CLIMATE SMART AGRICULTURE PROJECT(KCSAP)- ISIOLO</p> <p>Street Address: OLD AGRICULTURE BUILDING, ISIOLO COUNTY COMMISSIONERS OFFICE COMPOUND P.O. BOX 6- 60300</p> <p>Floor/Room number:</p> <p>City: ISIOLO</p> <p>ZIP Code: 60300</p> <p>Country: KENYA</p> <p>The deadline for bid submission is:</p> <p>Date: 6TH MARCH 2023</p> <p>Time: 11.00 A.M</p> <p>Bidders <i>shall not</i> have the option of submitting their bids electronically.</p>
ITB 25.1	<p>The bid opening shall take place at: KENYA CLIMATE SMART AGRICULTURE PROJECT – ISIOLO OFFICE</p> <p>Street Address: AS INDICATED ABOVE</p> <p>Floor/Room number: KENYA CLIMATE SMART AGRICULTURE PROJECT COORDINATOR'S – ISIOLO OFFICE</p> <p>City: ISIOLO</p> <p>Country: KENYA</p> <p>Date: 6TH MARCH 2023</p> <p>Time: 11.00 A.M</p>

ITB 25.3	The Letter of Bid and Priced Bill of Quantities shall be initialed by 3 to 5 representatives of the Employer conducting Bid opening. The procedure shall be : <i>each Bid shall be initialed by all representatives and shall be numbered.</i>
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E. Evaluation and Comparison of Bids

ITB 32.1	Not applicable.
ITB 33.1	A margin of preference <i>shall not</i> apply
ITB 34.1	At this time the Employer _____ to execute certain specific parts of the Works by sub-contractors selected in advance.
ITB 34.3	<p>Contractor's proposed subcontracting: Maximum percentage of subcontracting permitted is: <i>30% of the total contract amount .</i></p> <p>b) Bidders planning to subcontract more than 30% of total volume of work shall specify, in the Letter of Bid, the activity (ies) or parts of the works to be subcontracted along with complete details of the sub-contractors and their qualification and experience. The qualification and experience of the sub-contractors must meet the minimum criteria for the relevant work to be sub-contracted failing which such sub-contractors will not be permitted to participate.</p> <p>c) Sub-contractors' qualification and experience will not be considered for evaluation of the Bidder. The Bidder on its own (without taking into account the qualification and experience of the sub-contractor) should meet the qualification criteria.</p>

F. Award of Contract

ITB 43.1	The Adjudicator proposed by the Employer is: <i>CHARTERED INSTITUTE OF ARBITRATORS (KENYAN CHAPTER)</i> . THE hourly fee for this proposed Adjudicator shall be: <i>LOCAL MARKET RATES.</i>
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S/No.	Evaluation Criteria
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Section III - Evaluation and Qualification Criteria

This section contains all the criteria that the Employer shall use to evaluate bids and qualify Bidders if the bidding was not preceded by a prequalification exercise and post qualification is applied. In accordance with ITB 35 and ITB 37, no other methods, criteria and factors shall be used. The Bidder shall provide all the information requested in the forms included in Section 4 (Bidding Forms).

Wherever a Bidder is required to state a monetary amount, Bidders should indicate the USD equivalent using the rate of exchange determined as follows: *N/A (Use Kenya shillings)*

- (a) -For construction turnover or financial data required for each year - Exchange rate prevailing on the last day of the respective calendar year (in which the amounts for that year is to be converted) was originally established.
- (b) -Value of single contract - Exchange rate prevailing on the date of the contract.

Exchange rates shall be taken from the publicly available source identified in the ITB 32.1. Any error in determining the exchange rates in the Bid may be corrected by the Employer

Evaluation

The following are Evaluation Criteria.

- (i) Preliminary Evaluation

1.	Copy of certificate of incorporation/ registration
2.	Serialized bid document in all pages in the format 1.2.3 etc.
3.	Copy of CR12(List of shareholding directors)
4.	Tax compliance certificate valid as from the date of tender opening
5.	Copy of certificate from NCA for class 5 and above in Building Works category
6.	Copy of Current Practicing license from NCA
7.	Copy of valid business permit for the year 2023
8.	Submit certified audited accounts for the year 2019, 2020 and 2021
9.	Dully filled, signed and stamped Letter of Bid
10.	Dully filled, signed and stamped Bidder Information Form
11.	Self-declaration that shall not be involved in corrupt practices
12.	Declaration that the bidder is not debarred
13.	Tender security shall be in form of bank guarantee or insurance companies approved by PPRA of Kshs. 600,000 (Six Hundred Thousand)

(ii) Technical evaluation criteria

S/N o.	Evaluation Criteria	Evaluation Attribute	Weighting Score	Maximum Score
1.	Experience of the bidder in construction of similar building works	No. of years in construction works. (Attach certificate of incorporation/registration)	5 years and above =15 Marks Others prorated at no. of years/ 5 x15 Marks	15 Marks
		No. of projects done in construction Works (Attach LSOs/Completion Certificates/Award Letters)	5 projects and above = 10 Marks Others prorated at no. of projects / 5 x10 Marks	10 Marks
		Magnitude of projects done in building works for the last three years (Attach LSOs/Completion Certificates/Award Letters)	10 Million and above = 10 Marks Others prorated at Value/ 10 Million x10 Marks	10 Marks
2.	Financial capacity	Financial reports 1.(Attach Audited reports for year 2019, 2020 and 2021) 2.Attach Bank statement as at the tendering period	3Marks for each year audit report. (9marks) 1mark for Bank statement	10 Marks
		Evidence of access to financial resources to meet the qualification requirements. 1.Line of credit (Attach a letter from a recognized	Line of credit letter 20 Million = 10 Marks Others prorated at Value of credit x10 Marks/ 20 Million	10Marks

		financial institution by CBK)		
3.	Equipment Holding	1.Porker vibrator 2.Welding machine 3. Concrete Mixer 4. Hand drilling machine 5. Daistoc (Attach log books, hire agreements or lease agreements)	For each equipment listed = 3Marks	15Marks
Subtotal score				70 Marks

4.Key personnel Qualification

No	Personnel	Qualification	Experience	Weighting Score	Maximum Score
1.	Site Agent (1) No.	Degree in Civil/Structural Engineering (Attach Certificates and CV). Registered with the relevant professional body and in good standing. (Attach Certificates, membership registration & Valid practicing license and CV).	10 years	Degree, CV and membership (Degree=5marks Membership registration & practicing-license=3 marks CV=4marks)	12 Marks
2.	Foreman (2) No.	1. Diploma in Building Construction (Attach Certificates and CV). 2.Diploma in civil engineering (Attach Certificates and CV).	5years each	Diploma, CV and 10 years' experience (Certificate=2marks CV=3marks) For each	10 Marks
3.	Plumber (1) No.	At least Grade Test III Registered with National Construction Authority as a skilled plumber	2 years	Accreditation and 2years experience (2Marks)	2 Marks
4	Mason (3) No.	At least Grade Test III Registered with National Construction Authority as a skilled construction worker	2 years each	Accreditation and 2years experience (2Marks) for each	6 Marks
KEY PERSONNEL SUB-TOTAL					30 Marks

	TOTAL MAXIMUM SCORE	100 Marks
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1. Margin of Preference :N/A

If a margin of preference shall apply under ITB 33.1, the procedure will be as follows as:

A margin of preference of 7.5% (seven and one-half percent) shall be granted to domestic contractors, in accordance with, and subject to, the following provisions:

- (a) Contractors applying for such preference shall 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 Borrower and accepted by the Bank, a particular contractor or group of contractors qualifies for a domestic preference. The bidding documents shall clearly indicate the preference and the method that will be followed in the evaluation and comparison of bids to give effect to such preference.
- (b) After bids have been received and reviewed by the Borrower, responsive bids shall be classified into the following groups:
 - (i) Group A: bids offered by domestic contractors eligible for the preference.
 - (ii) Group B: bids offered by other contractors.

All evaluated bids in each group shall, as a first evaluation step, be compared to determine the lowest bid, and the lowest evaluated bids in each group shall be further compared with each other. If, as a result of this comparison, a bid from Group A is the lowest, it shall be selected for the award. If a bid from Group B is the lowest, as a second evaluation step, all bids from Group B shall then be further compared with the lowest evaluated bid from Group A. For the purpose of this further comparison only, an amount equal to 7.5% (seven and one-half percent) of the respective bid price corrected for arithmetical errors, including unconditional discounts and excluding provisional sums and the cost of day works, if any, shall be added to the evaluated price offered in each bid from Group B. If the bid from Group A is the lowest, it shall be selected for award. If not, the lowest evaluated bid from Group B based on the first evaluation step shall be selected

2. Evaluation

In addition to the criteria listed in ITB 35.2 (a) – (e) the following criteria shall apply:

2.1 Adequacy of Technical Proposal

Evaluation of the Bidder's Technical Proposal will include an assessment of the Bidder's technical capacity to mobilize key equipment and personnel for the contract consistent with its proposal regarding work methods, scheduling, and material sourcing in sufficient detail and fully in accordance with the requirements stipulated in Section VII (Works Requirements).

2.2 Multiple Contracts:N/A

Pursuant to Sub-Clause 35.4 of the Instructions to Bidders, if Works are grouped in multiple contracts, evaluation will be as follows:

Award Criteria for Multiple Contracts [ITB 35.4]:

Lots

Bidders have the option to Bid for any one or more lots. Bids will be evaluated lot-wise, taking into account discounts offered, if any, for combined lots. The contract(s) will be awarded to the Bidder or Bidders offering the lowest evaluated cost to the Employer for combined lots, subject to the selected Bidder(s) meeting the required qualification criteria for lot or combination of lots as the case may be.

Packages

Bidders have the option to Bid for any one or more packages and for any one or more lots within a package. Bids will be evaluated package-wise, taking into account discounts offered, if any, for combined packages and/or lots within a package. The contract(s) will be awarded to the Bidder or Bidders offering the lowest evaluated cost to the Employer for combined packages, subject to the selected Bidder(s) meeting the required qualification criteria for combination of packages and or lots as the case may be.

Qualification Criteria for Multiple Contracts:

Section III describes criteria for qualification for each lot (contract) for multiple lots (contracts). The criteria for qualification is aggregate minimum requirement for respective lots as specified under items 3.1, 3.2, 4.2(a) and 4.2(b). However, with respect to the specific experience under item 4.2 (a) of Section III, the Employer will select any one or more of the options as identified below:

N is the minimum number of contracts

V is the minimum value of a single contract

(a) For one Contract:

Option 1:

(i) N contracts, each of minimum value V;

Or

Option 2:

(i) N contracts, each of minimum value V; or

(ii) Less than or equal to N contracts, each of minimum value V, but with total value of all contracts equal or more than $N \times V$.

(b) For multiple Contracts**Option 1:**

(i) Minimum requirements for combined contract(s) shall be the aggregate requirements for each contract for which the bidder has submitted bids as follows, and N1, N2, N3, etc. shall be different contracts:

Lot 1: N1 contracts, each of minimum value V1;

Lot 2: N2 contracts, each of minimum value V2;

Lot 3: N3 contracts, each of minimum value V3;

---etc.

or

Option 2:

(i) Minimum requirements for combined contract(s) shall be the aggregate requirements for each contract for which the bidder has submitted bids as follows, and N1,N2,N3, etc. shall be different contracts:

Lot 1: N1 contracts, each of minimum value V1;

Lot 2: N2 contracts, each of minimum value V2;

Lot 3: N3 contracts, each of minimum value V3;

---etc, **or**

(ii) Lot 1: N1 contracts, each of minimum value V1; or number of contracts less than or equal to N1, each of minimum value V1, but with total value of all contracts equal or more than $N1 \times V1$.

Lot 2: N2 contracts, each of minimum value V2; or number of contracts less than or equal to N2, each of minimum value V2, but with total value of all contracts equal or more than $N2 \times V2$.

Lot 3: N3 contracts, each of minimum value V3; or number of contracts less than or equal to N3, each of minimum value V3, but with total value of all contracts equal or more than $N3 \times V3$.

---etc.

Or

Option 3:

(i) Minimum requirements for combined contract(s) shall be the aggregate requirements for each contract for which the Bidder has bid for as follows, and N1, N2, N3, etc. shall be different contracts:

Lot 1: N1 contracts, each of minimum value V1;

Lot 2: N2 contracts, each of minimum value V2;

Lot 3: N3 contracts, each of minimum value V3;

----etc, **or**

(ii) Lot 1: N1 contracts, each of minimum value V1; or number of contracts less than or equal to N1, each of minimum value V1, but with total value of all contracts equal or more than $N1 \times V1$.

Lot 2: N2 contracts, each of minimum value V2; or number of contracts less than or equal to N2, each of minimum value V2, but with total value of all contracts equal or more than $N2 \times V2$.

Lot 3: N3 contracts, each of minimum value V3; or number of contracts less than or equal to N3, each of minimum value V3, but with total value of all contracts equal or more than $N3 \times V3$.

----etc, or

(iii) Subject to compliance as per (ii) above with respect to minimum value of single contract for each lot, total number of contracts is equal or less than $N1 + N2 + N3$ ---but the total value of all such contracts is equal or more than $N1 \times V1 + N2 \times V2 + N3 \times V3$ ----.

2.3 Alternative Completion Times:N/A

An alternative Completion Time, if permitted under ITB 13.2, will be evaluated as follows:

2.4 Technical Alternatives:N/A

Technical alternatives, if permitted under ITB 13.4, will be evaluated as follows:

2.5 Specialized Subcontractors:N/A

Only the specific experience of sub-contractors for specialized works permitted by the Employer will be considered. The general experience and financial resources of the specialized sub-contractors shall not be added to those of the Bidder for purposes of qualification of the Bidder.

The specialized sub-contractors proposed shall be fully qualified for their work proposed, and meet the following criteria:

3. Qualification

Eligibility and Qualification Criteria								Compliance Requirements			Documentation
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements				
				All Parties Combined	Each Member	One Member					
1. Eligibility											
1.1	Nationality	Nationality in accordance with ITB 4.3	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Forms ELI – 1.1 and 1.2, with attachments				
1.2	Conflict of Interest	No conflicts of interest in accordance with ITB 4.2	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Letter of Bid				
1.3	Bank Eligibility	Not having been declared ineligible by the Bank, as described in ITB 4.4, 4.5, 4.6 and 4.7	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Letter of Bid				
1.4	Government Owned Entity of the Borrower country	Meets conditions of ITB 4.5	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Forms ELI – 1.1 and 1.2, with attachments				
1.5	United Nations resolution or Borrower's country law	Not having been excluded as a result of prohibition in the Borrower's country laws or official regulations against commercial relations with the Bidder's country, or by an act of compliance with UN Security Council resolution, both in accordance with ITB 4.7 and Section V.	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Forms ELI – 1.1 and 1.2, with attachments				

Eligibility and Qualification Criteria			Compliance Requirements			Documentation	
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
2. Historical Contract Non-Performance							
2.1	History of Non-Performing Contracts	Non-performance of a contract ⁶ did not occur as a result of contractor default since 1 st January 2020 .	Must meet requirement ¹²	Must meet requirements	Must meet requirement ⁷	N/A	Form CON-2
2.2	Suspension Based on Execution of Bid Securing Declaration by the Employer or withdrawal of the Bid within Bid validity	Not under suspension based on execution of a Bid Securing Declaration pursuant to ITB 4.6 or withdrawal of the Bid pursuant ITB 19.9.	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Bid Submission Form
2.3	Pending Litigation	Bidder's financial position and prospective long term profitability sound according to criteria established in 3.1 below and assuming that all pending litigation will be resolved against the Bidder	Must meet requirement	N/A	Must meet requirement	N/A	Form CON – 2

⁶ Non performance, as decided by the Employer, shall include all contracts where (a) non performance was not challenged by the contractor, including through referral to the dispute resolution mechanism under the respective contract, and (b) contracts that were so challenged but fully settled against the contractor. Non performance shall not include contracts where Employers decision was overruled by the dispute resolution mechanism. Non performance must be based on all information on fully settled disputes or litigation, i.e. dispute or litigation that has been resolved in accordance with the dispute resolution mechanism under the respective contract and where all appeal instances available to the Bidder have been exhausted.

⁷ This requirement also applies to contracts executed by the Bidder as JV member.

Eligibility and Qualification Criteria			Compliance Requirements			Documentation	
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
2.4	Litigation History	No consistent history of court/arbitral award decisions against the Bidder ⁸ since 1 st January 2020	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Form CON – 2
2.5	Declaration: Environmental and Social (ES) past performance	Declare any civil work contracts that have been suspended or terminated and/or performance security called by an employer for breach of environmental or social (including Sexual Exploitation and Abuse)) contractual obligations in the past five years. ⁹	Must make the declaration. Where there are Specialized Sub-contractor/s, the Specialized Sub-contractor/s must also make the declaration	N/A	Each must make the declaration. Where there are Specialized Sub-contractor/s, the Specialized Sub-contractor/s must also make the declaration	N/A	Form CON-3 ES Performance Declaration
2.6	Bank's SEA and/or SH Disqualification	At the time of Contract Award, not subject to disqualification by the Bank for non-compliance with SEA/SH obligations	Must meet requirement (including each subcontractor proposed by	N/A	Must meet requirement (including each subcontractor proposed by the Bidder)	N/A	Letter of Bid, Form CON-4

⁸ The Bidder shall provide accurate information on the letter of Bid about any litigation or arbitration resulting from contracts completed or ongoing under its execution over the last five years. A consistent history of court/arbitral awards against the Bidder or any member of a joint venture may result in disqualifying the Bidder.

⁹ The Employer may use this information to seek further information or clarifications in carrying out its due diligence.

Eligibility and Qualification Criteria			Compliance Requirements			Documentation	
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
			the Bidder)				
		If the Bidder had been subject to disqualification by the Bank for non-compliance with SEA/SH obligations, the Bidder shall either (i) provide evidence of an arbitral award on the disqualification made in its favour; or (ii) demonstrate that it has adequate capacity and commitment to comply with SEA/SH prevention and response obligations; or (iii) provide evidence that it has already demonstrated such capacity and commitment on another Bank financed works contract.	Must meet requirement (including each subcontractor proposed by the Bidder)	N/A	Must meet requirement (including each subcontractor proposed by the Bidder)	N/A	Letter of Bid, Form CON-4

Eligibility and Qualification Criteria			Compliance Requirements				Documentation
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
3. Financial Situation and Performance							
3.1	Financial Capabilities	<p>(i) The Bidder shall demonstrate that it 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 KSHS. 10,000,000.00 for the subject contract(s) net of the Bidders other commitments</p> <p>(ii) The Bidders shall also demonstrate, to the satisfaction of the Employer, that it has adequate sources of finance to meet the cash flow requirements on works currently in progress and for future contract commitments.</p> <p>(iii) The audited balance sheets or, if</p>	Must meet requirement	Must meet Requirement	N/A	N/A	Form FIN – 3.1, with attachments
			Must meet requirement	Must meet requirement	N/A	N/A	

Eligibility and Qualification Criteria			Compliance Requirements			Documentation	
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
		not required by the laws of the Bidder’s country, other financial statements acceptable to the Employer, for the YEARS 2019,2020 and 2021 shall be submitted and must demonstrate the current soundness of the Bidder’s financial position and indicate its prospective long-term profitability.	Must meet requirement	N/A	Must meet requirement	N/A	
3.2	Average Annual Construction Turnover	Minimum average annual construction turnover of KSHS. <i>10,000,000.00</i> calculated as total certified payments received for contracts in progress and/or completed within the last 5 years, divided by 5_years	Must meet requirement	Must meet requirement	Must meet _____%, _____of the requirement	Must meet _____%, _____of the requirement	Form FIN – 3.2

Eligibility and Qualification Criteria			Compliance Requirements			Documentation	
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
4. Experience							
4.1 (a)	General Construction Experience	Experience under construction contracts in the role of prime contractor, JV member, sub-contractor, or management contractor for at least the last THREE years, starting 1 st January 2019.	Must meet requirement	N/A	Must meet requirement	N/A	Form EXP – 4.1
4.2 (a)	Specific Construction & Contract Management Experience	(i) A minimum number of similar ¹⁰ contracts specified below that have been satisfactorily and substantially ¹¹ completed as a prime contractor, joint venture member ¹² , management contractor or sub-	Must meet requirement	Must meet requirement ¹³	N/A	N/A	Form EXP 4.2(a)

¹⁰ The similarity shall be based on the physical size, complexity, methods/technology and/or other characteristics described in Section VII, Work's Requirements. Summation of number of small value contracts (less than the value specified under requirement) to meet the overall requirement will not be accepted.

¹¹ Substantial completion shall be based on 80% or more works completed under the contract.

¹² For contracts under which the Bidder participated as a joint venture member or sub-contractor, only the Bidder's share, by value, shall be considered to meet this requirement.

¹³ In the case of JV, the value of contracts completed by its members shall not be aggregated to determine whether the requirement of the minimum value of a single contract has been met. Instead, each contract performed by each member shall satisfy the minimum value of a single contract as required for single entity. In determining whether the JV meets the requirement of total number of contracts, only the number of contracts completed by all members each of value equal or more than the minimum value required shall be aggregated.

Eligibility and Qualification Criteria			Compliance Requirements			Documentation	
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
		contractor ¹² between 1st January [<i>insert year</i>] and application submission deadline: (i) N contracts, each of minimum value V; Or (ii) Less than or equal to N contracts, each of minimum value V, but with total value of all contracts equal or more than N x V; <i>[insert values of N & V, delete (ii) above if not applicable].</i> <i>[In case the Works are to be bid as individual contracts under a slice and package (multiple contract) procedure, the minimum number of contracts required for purposes of evaluating qualification shall be selected from the options specified in ITB 35.4]</i>					
		<i>[Add the following if specialized sub-contractor is</i>	<i>“Must meet requirement for one contract (Requirement can be met</i>	<i>Must meet requirement</i>	<i>N/A</i>	<i>“Must meet requirement (Requirement can be met through a Specialized Sub-contractor)”</i>	

Eligibility and Qualification Criteria			Compliance Requirements			Documentation	
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
		<i>permitted and describe nature and characteristics of specialized works:] “(ii) For the following specialized works, the Employer permits specialized sub-contractors as per ITB 34.3”</i>	<i>through a Specialized Sub-contractor)”</i>				
4.2 (b)		For the above and any other contracts completed and under implementation as prime contractor, joint venture member, management contractor or sub-contractor ¹⁴ on or after the first day of the calendar year during the period stipulated in 4.2 (a) above, a minimum construction experience in the following key	Must meet requirements	Must meet requirements	N/A	Must meet the following requirements for the key activities listed below ¹⁶ [list key activities and the corresponding minimum requirements]	Form EXP – 4.2 (b)

¹⁴ For contracts under which the Bidder participated as a joint venture member or sub-contractor, only the Bidder’s share shall be counted to meet this requirement.

Eligibility and Qualification Criteria			Compliance Requirements			Documentation	
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
		activities successfully completed ¹⁵ : <i>[list activities indicating volume, number or rate of production as applicable]</i> ¹⁶					
4.2 (c)		For contracts [substantially completed and under implementation] as prime contractor, joint venture member, or Subcontractor between 1st January <i>[insert year]</i> and Application submission deadline, experience in managing ES risks and impacts in the following aspects: <i>[Based on the ES assessment, specify, as appropriate, specific experience requirements to manage ES aspects.]</i>	Must meet requirements	Must meet requirements	Must meet the following requirements: <i>[list key requirements to be met by each member otherwise state: "N/A"]</i>	Must meet the following requirements: <i>[list key requirements to be met by one member otherwise state: "N/A"]</i>	Form EXP – 4.2 (c)

¹⁵ Volume, number or rate of production of any key activity can be demonstrated in one or more contracts combined if executed during same time period. The rate of production shall be the annual production rate for the key construction activity (or activities).

¹⁶ The minimum experience requirement for multiple contracts will be the sum of the minimum requirements for respective individual contracts, unless specified otherwise.

5 Key Personnel

The Bidder must demonstrate that it will have suitably qualified (and in adequate numbers) Key Personnel, as described in the Specifications.

The Bidder shall provide details of the Key Personnel and such other Key Personnel that the Bidder considers appropriate to perform the Contract, together with their academic qualifications and work experience. The Bidder shall complete the relevant Forms in Section IV, Bidding Forms.

6. Equipment

The Bidder must demonstrate that it will have access to the key Contractor’s equipment listed hereafter:

[Specify requirements for each lot as applicable]

No.	Equipment Type and Characteristics	Minimum Number required
1	Concrete mixture	1
2	Porker vibrator	1
3	Daistock	1
4	Welding machine	1
5	Hand drilling machine	1

The Bidder shall provide further details of proposed items of equipment using the relevant Form in Section IV.

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Letter of Bid

The Bidder must prepare the Letter of Bid on stationery with its letterhead clearly showing the Bidder's complete name and address.

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

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

RFB No.: *[insert number of bidding process]*

To: **COUNTY GOVERNMENT OF ISIOLO,**

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (ITB 8)_____;
- (b) We meet the eligibility requirements and have no conflict of interest in accordance with ITB 4;
- (c) We have not been suspended nor declared ineligible by the Employer based on execution of a Bid Securing Declaration in the Employer's country in accordance with ITB 4.6
- (d) **Exploitation and Abuse (SEA) and/or Sexual Harassment (SH):** *[select the appropriate option from (i) to (v) below and delete the others].*

We *[where JV, insert: "including any of our JV members"]*, and any of our subcontractors:

- i. *[have not been subject to disqualification by the Bank for non-compliance with SEA/ SH obligations.]*
 - ii. *[are subject to disqualification by the Bank for non-compliance with SEA/ SH obligations.]*
 - iii. *[had been subject to disqualification by the Bank for non-compliance with SEA/ SH obligations. An arbitral award on the disqualification case has been made in our favor.]*
 - iv. *[had been subject to disqualification by the Bank for non-compliance with SEA/ SH obligations for a period of two years. We have subsequently provided and demonstrated that we have adequate capacity and commitment to comply with SEA and SH prevention and response obligations.]*
 - v. *[had been subject to disqualification by the Bank for non-compliance with SEA/ SH obligations for a period of two years. We have attached documents demonstrating that we have adequate capacity and commitment to comply with SEA and SH prevention and response obligations.]*
- (e) We offer to execute in conformity with the Bidding Documents the following Works: *[insert a brief description of the Works]*;
- (f) The total price of our Bid, excluding any discounts offered in item (f) below is:

In case of only one lot, total price of the Bid *[insert the total price of the bid in words and figures, indicating the various amounts and the respective currencies]*;

In case of multiple lots, total price of each lot [insert the total price of each lot in words and figures, indicating the various amounts and the respective currencies];

In case of multiple lots, 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];

- (g) The discounts offered and the methodology for their application are:

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

(ii) 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];

- (h) Our bid shall be valid until *[insert day, month and year in accordance with ITB 18.1]*, and it shall remain binding upon us and may be accepted at any time on or before this date;
- (i) If our bid is accepted, we commit to obtain a performance security *[and an Environmental, and Social (ES) Performance Security, **Delete if not applicable**]* in accordance with the Bidding Documents;
- (j) We are not participating, as a Bidder or as a subcontractor, in more than one bid in this bidding process in accordance with ITB 4.2(e), other than alternative bids submitted in accordance with ITB 13;
- (k) We, along with any of our subcontractors, suppliers, consultants, 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 a member of the World Bank Group or a debarment imposed by the World Bank Group in accordance with the Agreement for Mutual Enforcement of Debarment Decisions between the World Bank and other development banks. Further, we are not ineligible under the Employer’s country laws or official regulations or pursuant to a decision of the United Nations Security Council;
- (l) We are not a government owned entity/ We are a government owned entity but meet the requirements of ITB 4.5;¹⁷
- (m) We have paid, or will pay the following commissions, gratuities, or fees with respect to the bidding process or execution of the Contract: *[insert complete name of each Recipient, its full address, the reason for which each commission or gratuity*

Name of Recipient	Address	Reason	Amount
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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

- (n) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed;
- (o) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.
- (p) We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in any type of fraud and corruption

Name of the Bidder* *[insert name of the Bidder]*

Name of the person duly authorized to sign the Bid on behalf of the Bidder** *[insert complete name of person duly authorized to sign the Bid]*

Title of the person signing the Bid *[insert complete title of the person signing the Bid]*

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

¹⁷ Bidder to use as appropriate


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

*: In the case of the Bid submitted by joint venture specify the name of the Joint Venture as Bidder

** : Person signing the Bid shall have the power of attorney given by the Bidder to be attached with the Bid.

Schedules

Bill of Quantities

<p>PROJECT:</p> <p>ISIOLO ABATTOIR - ISIOLO TOWN, KENYA</p>	
<p>PROJECT DESCRIPTION:</p> <p>Alterations and Additions at the existing Isiolo Abattoir – Main Abattoir</p>	
<p style="text-align: center;">MAIN ABATTOIR CIVIL AND BUILDING WORK</p> <p style="text-align: center;">BILL OF QUANTITIES</p>	

Item No	SECTION 1 - PRELIMINARIES & GENERAL	Quantity	Rate	Amount
	<u>BILL NO 1</u>			
	<u>PRELIMINARIES</u>			
	PRICING OF PRELIMINARIES			
	The contractor should price the preliminaries as per the contract provided and specified.			

	<u>MAIN CONTRACTOR'S PRELIMINARIES</u>			
	<u>FIXED CHARGE ITEMS(P&G's)</u>			
	Contractual requirements and Establishment of Facilities On The Site Facilities For the Contractor			
1	Offices and storage sheds.		SUM	
2	Living accommodation.		SUM	
3	Ablution and latrine facilities.		SUM	
4	Tools and equipment.		SUM	
5	Water supplies, electric power, communications, dealing with water, and access.		SUM	
6	Removal of site establishment		SUM	
	Carried Forward		KES	
	Section No. 1 Bill No. 1 Preliminaries			

Fixed charge obligations:

Other

(Contractor to clearly state below any other fixed charge items identified as necessary for completion of works. The amounts will be for approval by the Principal Agent and Client and only payable to the contractor upon clear justification of the costs)

7	.....	SUM
8	.....	SUM
9	.....	SUM
10	.....	SUM
11	.....	SUM

Carried Forward

KES

Section No. 1
Bill No. 1
Preliminaries

Brought Forward		KES
<u>TIME RELATED ITEMS(P&G's)</u>		
<u>Contractual requirements:</u>		
<u>Other:</u>		
<u>Operation And Maintenance Of Facilities On Site, For Duration Of Construction, (Expected duration of project 8 months)</u>		
<u>Facilities For Contractor</u>		
12	Offices and storage sheds.	SUM
13	Living accommodation.	SUM
14	Ablution and latrine facilities.	SUM
15	Tools and equipment.	SUM
16	Water supplies, electric power, communications, dealing with water, and access.	SUM
17	Plant.	SUM
18	Supervision for duration of construction.	SUM
19	Company and head office overhead costs for duration of construction.	SUM
Carried Forward		KES
Section No. 1 Bill No. 1 Preliminaries		

Brought Forward		KES
<u>Time charge obligations:</u>		
<u>Other:</u>		
(Contractor to clearly state below any other fixed charge items identified as necessary for completion of works. The amounts will be for approval by the Principal Agent and Client and only payable to the contractor upon clear justification of the costs)		
20	.....	SUM
21	.....	SUM
22	.....	SUM
23	.....	SUM
24	.....	SUM
<u>TEMPORARY WORKS</u>		
25	Protection of adjacent buildings and structures until construction is complete.	SUM
<u>Existing Services.</u>		
26	Supply or hire of specialist equipment for the detection, exposing and connecting to existing services.	SUM
<u>Cost Of Survey In Terms Of The Land Survey Act.</u>		
27	Setting out of new buildings and levels	SUM
<u>Health & Safety</u>		
28	Compliance with Health & Safety requirements for duration	
Carried Forward		KES
Section No. 1		
Bill No. 1 Preliminaries		

Item No	Quantity	Rate	Amount
<p><u>SECTION NO 2 : CATTLE & CAMEL BLEEDING AREA ALTERATIONS</u></p>			
<p><u>BILL NO 1</u></p>			
<p><u>ALTERATIONS</u></p>			
<p><u>Supplementary Preambles</u></p>			
<p><u>General</u></p>			
<p>In taking down and removing existing work the utmost care shall be observed to prevent any structural or other damage to the remaining portions of the building and the Contractor shall provide all shoring, needling, strutting, etc. to ensure the stability of all structures during the alteration work.</p>			
<p>Special care shall be exercised during the progress of the works to ensure that any electrical installations, water pipes, telephone and other services which may be encountered are not interfered with and notice shall be given to the Principal Agent if any disconnection or alterations become necessary.</p>			
<p>Any water supply and other piping that may be encountered and which is found to be necessary to disconnect or cut shall, after such disconnection or cutting has been authorized by the Principal Agent, be effectively stopped off and any new connections that may be necessary made with proper tees, junction pieces, etc. to the satisfaction of the Principal Agent.</p>			
<p>Before submitting the tender the contractor shall visit the site and satisfy himself as to the nature and extend of the work to be done and the value of the materials contained in the building or portion of the building to be carefully removed by whatever means from site. No claims at any stage for whatever reason with respect to the nature and extend of the works or of inferior or damaged material will be entertained.</p>			
<p><u>Old Materials To Become The Property Of The Contractor</u></p>			
<p>Old materials from alterations, except where described to be re-used or handed over, become the property of the Contractor who may allow credit for same where provided for in these Bills of Quantities.</p>			
<p>Carried Forward</p>		KES	
<p>Section No. 2 Bill No. 1 Alterations</p>			

Brought Forward

KES

Old Materials To Be Carted Away

Old materials from the alterations, except where described to be re-used or handed over, as well as all rubbish, etc., must be regularly carted from the site and not be allowed to accumulate on or around the site.

Old Materials Not To Be Re-Used

None of the old materials are to be used for new work except where specifically described as being set aside for re-use.

Handing Over Of Materials

Where certain materials or articles from demolitions or alterations as described as to be "handed over" by the Contractor to the Principal Agent, such materials or articles shall be properly stored by the Contractor until handing over thereof. The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the Contractor fails to submit the receipt when requested, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Employer for the full replacement value thereof, which amount will be deducted from any monies due to the Contractor.

Disposal Of Debris Etc

The Contractor shall be responsible for the removal from site of all materials, debris and rubbish resulting from the work and is deemed to be included in the rates.

Size Pertaining To Existing Work

The Contractor is advised to take all dimensions affecting the existing building and he will be held solely responsible for the correctness of sizes of all new work.

All sizes given in relation to existing work are approximate.

Carried Forward

KES

Brought Forward

KES

Forming New Openings Or Altering Openings In Existing Walls

Descriptions of forming new openings or altering openings in existing walls shall be deemed to include breaking out for and building up new brickwork, in-situ concrete, precast lintels including all reinforcement, formwork, turning pieces, strutting, etc. the building up of reveals or portions of the openings as described with brickwork properly toothed and bonded to existing, building cavities of hollow walls solid where necessary and making good finishes all round on both sides and into reveals as described.

Building Up Of Openings

Descriptions of building up existing openings where given in number shall be deemed to include preparing existing services all round, brickwork properly toothed and bonded to existing, wedging up and making good on both sides as described.

Painting

Where plasterwork on walls, ceilings, etc. are required to be patched or made good, prices are deemed to include for the appropriate priming coat and one coat undercoat to receive paint finishing coats which are measured elsewhere, all in accordance to the relevant specification.

Demolition Of Structural Work

Breaking out and removal of any structural brickwork or concrete can only be done on the written instruction of the Engineer. The Contractor must allow the Engineer five (5) working days lead time to do the necessary inspections and issue of the relevant instructions.

Plastered Walls

Existing plastered walls to be repaired and smoothed down with "Exterior Grade" or similar approved Polyfilla where fixtures, fittings, skirting, tiling, wallpaper, etc removed

Carried Forward

KES

Brought Forward			KES
<u>REMOVAL OF EXISTING WORK</u>			
<u>Breaking Up And Removing Reinforced Concrete</u>			
1	Concrete Surfacebed	m3	3
2	Stripfootings	m3	2
3	Columns	m3	2
4	Beams	m3	2
<u>Breaking Down And Removing Stone Block Walls, Etc</u>			
5	Existing stone block walls -----	m2	21
<u>CUTTING THROUGH FLOORS AND CEILINGS</u>			
<u>Cutting through</u>			
6	150mm Thick reinforced concrete surfacebed 300mm wide concrete footing complete including removing concrete from site and making good concrete on both sides of new walls	m	15
7	150mm Thick reinforced concrete surfacebed 200mm wide for drainage complete including removing concrete from site (new concrete surfacebed measured elsewhere)	m	5
<u>MAKING GOOD OF FINISHES, ETC</u>			
<u>Making Good Cement Screeds</u>			
8	Cast screeds to falls (average thickness 100mm)	m2	54
<u>Making Good Internal Cement Plaster</u>			
9	Walls in patches	m2	451
<u>Making Good Windows</u>			
10	Replacing glazing to windows including putty and gaskets (painting measured)	m2	129
Carried Forward to Summary of Section No. 2			KES
Section No. 2			
Bill No. 1			
Alterations			

Item No	Quantity	Rate	Amount
<p><u>SECTION NO 2 : CATTLE & CAMEL BLEEDING AREA ALTERATIONS</u></p>			
<p><u>BILL NO 2</u></p>			
<p><u>EARTHWORKS</u></p>			
<p><u>Supplementary Preambles</u></p>			
<p><u>Nature Of Material To Be Excavated</u></p>			
<p>Descriptions of excavations shall be deemed to include all ground conditions classifiable as "earth" or "ground" and/or filling compacted to 95% Modified AASHTO density. Where conditions of a more difficult character are indicated, these are measured separately.</p>			
<p><u>Excavations</u></p>			
<p>Descriptions of excavations shall be deemed to include for increase in bulk and multiple handling of excavated material caused by the Contractor's method of operation.</p>			
<p><u>Carting Away Excavated Material</u></p>			
<p>Descriptions of carting away of excavated materials shall be deemed to include the breaking down of oversized materials including materials of a more difficult character complete including the loading of such excavated materials onto trucks directly from the excavations or, alternatively, from stockpiles situated on the site</p>			
<p><u>G7 - Material (Specification)</u></p>			
<p>G7 Sub-Base Material is used as filling and a base coarse under roads and paving. This material may contain approved natural fines not obtained from parent rock. The nominal maximum size for uncrushed material is 2/3 of the compacted layer and for crushed material 74mm.</p>			
<p>Carried Forward</p>		<p>KES</p>	
<p>Section No. 2 Bill No. 2 Earthworks</p>			

Brought Forward		KES
<u>Working Space</u>		
Working space for formwork to sides of all concrete, except columns, shall be measured only where the concrete face is less than 750mm from the face of the measured excavations AND only where formwork is specifically specified as a requirement by the Engineer.		
No claim shall be considered for any working space for formwork to concrete other than above described or for working space beyond the sides of trench excavations for the building of brick walls.		
Descriptions of excavations for working space shall be deemed to include for any additional risk of collapse so incurred and for returning and compacting of the excavated material so described.		

<u>EXCAVATIONS, FILLING, ETC OTHER THAN BULK</u>		
<u>EXCAVATIONS</u>		
<u>Excavate In Earth Or Compacted Earth Filling Not Exceeding 1.5m Deep Below Natural, Reduced Or Elevated Level And Stockpile On Site</u>		
1	Foundation trenches and bases	m3 28
<u>EXCAVATIONS OF A MORE DIFFICULT CHARACTER</u>		
<u>Extra Over Excavations In Earth For Excavations In</u>		
2	Soft rock	m3 2
3	Hard rock	m3 1
<u>MAINTENANCE OF EXCAVATIONS</u>		
<u>Extra Over All Excavations For The Loading And Carting Away Of</u>		
4	Surplus material from excavations and/or stock piles on site to a dumping site not exceeding 1km from site	m3 7
Carried Forward		KES
Section No. 2 Bill No. 2 Earthworks		

Brought Forward			KES
<u>Risk Of Collapse Of Excavations</u>			
5	Allow for risk of collapse to sides of trench and hole excavations exceeding 1500mm and not exceeding 3000mm deep	m2	92
<u>Keeping Excavations Free From Water</u>			
6	Allow for keeping all excavations free from water, mud, etc. by baling, pumping or other approved means, including the provision of all necessary pumps, plumbing, etc.		Item
<u>FILLING, ETC.</u>			
<u>Note:</u> All filling, whether obtained from the stockpiles or an outside source, must be approved by the Engineer			
<u>Selected Clean Earth Filling Obtained From The Excavations And/Or Prescribed Stockpiles On Site Compacted In Maximum 150mm Thick Layers To 93% Mod AASHTO Density</u>			
7	Filling under footings as foundation improvement to trenches, etc.	m3	21
<u>Selected Clean Earth Filling Supplied By The Contractor Obtained From The Commercial Sources Including Total Haul</u>			
8	Filling under surfacebeds, etc. of selected minimum G7 materials (defined in preambles) to make up levels and compact in layers not exceeding 150mm thick to minimum 95% Mod AASHTO density	m3	30
<u>Compaction Of Surfaces</u>			
9	Compaction of ground surfaces under solid floors by scarifying to a depth of 150mm, breaking down oversized material, adding suitable material where necessary and compacting to 93% Mod AASHTO density.	m2	49
<u>Prescribed Density Tests On Filling</u>			
10	Modified AASHTO density test	No	2
Carried Forward			KES
Section No. 2 Bill No. 2 Earthworks			

Brought Forward

KES

SOIL POISONING

Approved Soil Insecticide Mixed And Applied In Strict Accordance To Manufacturers Instructions

11	Soil poisoning of surface of ground or filling under solid floors, steps, etc. including raking out 75mm deep V-shaped furrows against the walls, etc. treating with poison solution, backfilling of furrows and ramming.	m2	49
12	Soil poisoning to foundation walls, etc. treating with poison solution	m2	120

Carried Forward to Summary of Section No. 2

KES

Section No. 2
 Bill No. 2
 Earthworks

Item No	<u>SECTION NO 2 : CATTLE & CAMEL BLEEDING AREA ALTERATIONS</u>	Quantity	Rate	Amount
	<u>BILL NO 3</u>			
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	<u>Supplementary Preambles</u>			
	<u>Cost Of Tests</u>			
	<p>The cost of making, storing and testing of concrete test cubes as required and shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Principal Agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval by the Principal Agent. Only successful tests will be paid for. (Test cubes are measured separately).</p>			
	<u>Rates</u>			
	<p>The rates for all concrete are to include for transporting, handling and depositing (by hoisting or lowering) in the formwork or ground and for working, vibrating and packing around reinforcement and striking off and curing.</p>			
	<u>Formwork</u>			
	<p>Description of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use</p>			
	<u>REINFORCED CONCRETE</u>			
	<u>25MPa/19mm Concrete Cast Against Excavated Surfaces</u>			
1	Strip footings	m3	4	
	Carried Forward		KES	
	<p>Section No. 2 Bill No. 3 Concrete, Formwork & Reinforcement</p>			

Brought Forward			KES
<u>30MPa/19mm Concrete Cast Against Excavated Surfaces</u>			
2	Surface beds cast in panels on plastic sheeting	m3	5
<u>30MPa/19mm Concrete Cast Against Formwork</u>			
3	Slabs including beams, inverted beams, upstand beams, etc	m3	2
4	Stairs including landings, beams and inverted beams, ect	m3	1

<u>CONCRETE SUNDRIES</u>			
<u>Finishing Top Surfaces Of Concrete Smooth With A Wood Float</u>			
5	Surface beds, slabs, etc	m2	49
<u>Dowel Bars</u>			
6	Drill 15mm Dia x 150mm deep holes in reinforced concrete and epoxy grout with " ABE - Epidermix 396 " or similar approved grout into position Y12 x 800mm long dowel bar (measured elsewhere) leaving other end exposed ready to cast in to concrete at later stage.	No	16
<u>Test Cubes</u>			
7	Making concrete strength test cubes size 150 x 150 x 150mm, sending them to an approved independent testing laboratory for testing and paying all charges in connection therewith.	Sets	1
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>			
<u>Rough Formwork To Sides Of</u>			
8	Edges, risers, ends, steps, etc. not exceeding 300mm high.	m	21
<u>To Sides And Soffits Of</u>			
9	Beams propped up exceeding 1,5 and not exceeding 3,5m high	m2	6
Carried Forward			KES
Section No. 2			
Bill No. 3			
Concrete, Formwork & Reinforcement			

Brought Forward			KES
10	Beams propped up exceeding 3,5 and not exceeding 5,0m high	m2	6
<u>Boxing In Rough Formwork To Form</u>			
11	20 x 20mm Horizontal chamfers at corners of slabs and beams	m	63
<u>Formwork To Form</u>			
12	110mm Diameter opening in concrete slab not exceeding 300mm thick	No	2

<u>MOVEMENT JOINTS ETC</u>			
<u>Saw Cut Joints Approved Joint Filler Vertical Between Concrete/Brick And/Or Steel Surfaces Complete All As Per Engineers Details And Specifications</u>			
13	Cut saw joints 3mm wide x 40 deep in top of concrete floor and ream joint to 10mm x 25 deep (Sealant measured elsewhere)	m	92

<u>REINFORCEMENT</u>			
<u>Mild Steel Bar Reinforcement To Structural Concrete</u>			
14	Various diameter bars	t	0.10
<u>High Tensile Steel Bar Reinforcement To Structural Concrete</u>			
15	Various diameter bars	t	0.90
<u>Fabric Mesh Reinforcement</u>			
16	Type reference 311 in surface beds laid with minimum 300mm laps (measured nett)	m2	49
Carried Forward to Summary of Section No. 2			KES
Section No. 2			
Bill No. 3			
Concrete, Formwork & Reinforcement			

Item No	<u>SECTION NO 2 : CATTLE & CAMEL BLEEDING AREA ALTERATIONS</u>	Quantity	Rate	Amount
	<u>BILL NO 4</u>			
	<u>BRICKWORK</u>			
	<u>Supplementary Preambles</u>			
	<u>Sizes In Descriptions</u>			
	Where referred to blocks, the size of blocks shall be standard to that which is commercially available Width as per specification			
	<u>Cavity Walls</u>			
	Descriptions of cavity walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole.			
	Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats "Brixial" bitumen emulsion waterproofing coating.			
	<u>STONE BLOCK WALLS</u>			
	<u>Stone Block Walls In Class II Cement Mortar</u>			
	<u>Foundations</u>			
1	Construct 200mm wall in foundations with solid block bricks, 10MPa mortar	m2	47	
	<u>Super Structure</u>			
2	Construct 200mm wall in foundations with solid block bricks, 10MPa mortar	m2	146	
	Carried Forward		KES	
	Section No. 2 Bill No. 4 Masonry			

		Brought Forward		KES
<u>BRICKWORK SUNDRIES</u>				
<u>Bagging Of 1:3 Cement And Sand Slurry Mixture</u>				
3	On brick walls, piers, etc	m2	114	
<u>Galvanized Reinforcement With Minimum 100mm Laps At Joints and Angles (Measured Nett)</u>				
4	Brickforce suitable for 200mm wide stone block walls	m	676	
<u>Precast Concrete Prestressed Lintels Bedded, Jointed And Pointed In Cement Mortar</u>				
5	100 x 70mm Lintels in lengths exceeding 6,0m and not exceeding 7,5m long and building into brickwork.	m	13	
Carried Forward to Summary of Section No. 2				KES
Section No. 2				
Bill No. 4				
Masonry				

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO 2 : CATTLE & CAMEL BLEEDING AREA ALTERATIONS</u></p> <p><u>BILL NO 5</u></p> <p><u>WATERPROOFING</u></p> <p><u>Supplementary Preambles</u></p> <p><u>Descriptions</u></p> <p>Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs.</p> <p>-----</p> <p><u>DAMPPROOFING TO WALLS</u></p> <p><u>One Layer Of 375 Micron "Consol Plastics Brickgrip DPC" Or Other Approved Polyethylene Sheeting</u></p>			
1	DPC to walls and cills	m2	9	
	<p><u>DAMPPROOFING UNDER FLOORS</u></p> <p><u>One Layer Of 250 Micron "Consol Plastics Gunplas USB Green" Or Other Approved Polyethylene Sheeting Sealed At Joints In Strict Accordance With The Manufacturer's Instructions</u></p>			
2	Under surface beds including all necessary turn-ups and overlaps (measured nett)	m2	49	
	<p><u>JOINT SEALANTS</u></p> <p><u>Joint Sealant, Rake Out Joint Filler To 20mm Depth And Insert Polythene Foam Backing Cord, Prime With "Epidermix 317" Or Similar Approved And Apply "Dow Coring 813 Silicon Sealant" Or Similar Approved Polysulphide Sealant</u></p>			
3	10 x 10mm Joints	m	92	
	<p>Carried Forward to Summary of Section No. 2</p>			KES
	<p>Section No. 2 Bill No. 5 Waterproofing</p>			

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO 2 : CATTLE & CAMEL BLEEDING AREA ALTERATIONS</u></p> <p><u>BILL NO 6</u></p> <p><u>METALWORK</u></p> <p><u>Supplementary Preambles</u></p> <p><u>Descriptions</u></p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete.</p> <p>Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described.</p> <p>-----</p> <p><u>SUNDRY METALWORKS</u></p> <p><u>PC Allowances</u></p> <p><u>Steel Gates & Doors</u></p>			
1	<p>Provide the sum of KES 290,000.00 (Two Hundred And Ninety Thousand Kenyan Shilling) for the supply and installation of <u>Steel Gates & Doors</u> complete</p>	Item		290 000
	<p><u>Roller Shutter Doors</u></p>			
2	<p>Provide the sum of KES 290,000.00 (Two Hundred And Ninety Five Thousand Kenyan Shilling) for the supply and installation of <u>Roller Shutter Doors</u> complete</p>	Item		290 000
	<p>Carried Forward to Summary of Section No. 2</p>		KES	
	<p>Section No. 2 Bill No. 6 Metalworks</p>			

Item No	<u>SECTION NO 2 : CATTLE & CAMEL BLEEDING AREA ALTERATIONS</u>	Quantity	Rate	Amount
	<u>BILL NO 7</u>			
	<u>IRONMONGERY</u>			
	<u>Supplementary Preambles</u>			
	<u>Fixing</u>			
	Where ironmongery is described as plugged or fixed, prices are to include for screwing to and including approved patent plugs in concrete or brickwork with plastered or tiled finish.			
	<u>FIRE SIGNAGE</u>			
	<u>Supply And Install Fire Signage</u>			
1	Photoluminescent "EXIT" signage, size 300 x 150mm in certified ABS plastic, with natural anodised aluminium frame, mounted against wall with non-corrosive screws against wall surface above door frame. Colour: White panel with red border-line, and red pictogram complete	No	1	
2	Photoluminescent double sided "FIRE CABINET" signage, size 450 x 150mm in certified ABS plastic, with natural anodised aluminium frame, mounted against wall with non-corrosive screws against wall surface above fire cabinet. Colour: White panel with red border-line, and red pictogram complete	No	1	
3	Photoluminescent "FIRE EXTINGUISHER" signage, size 300 x 150mm in certified ABS plastic, with natural anodised aluminium frame, drilled, plugged and fixed with non-corrosive screws against wall surface above fire extinguisher. Colour: White panel with red border-line, and red pictogram complete	No	2	
	Carried Forward to Summary of Section No. 2			KES
	Section No. 2 Bill No. 7 Ironmongery			

Item No		Quantity	Rate	Amount
	<u>SECTION NO 2 : CATTLE & CAMEL BLEEDING AREA</u>			
	<u>ALTERATIONS</u>			
	<u>BILL NO 8</u>			
	<u>PLASTERING</u>			
	<u>SCREEDS</u>			
	<u>1:4 Cement Plaster Screeds Wood Floated On Concrete</u>			
1	25mm Thick on floors and landings (Terrazzo Floor)	m2	54	
2	125 x 125mm triangular covings against walls, etc. (see coving details)	m	32	
3	Extra over triangular covings at corners, around columns etc.	No	24	
	<u>INTERNAL PLASTER</u>			
	<u>One Coat Internal Cement Plaster Steel Floated On Brickwork</u>			
4	On walls	m2	23	
5	On narrow widths	m2	2	
6	Extra over rounded edges of internal corners	m	43	
	<u>EXTERNAL PLASTER</u>			
	<u>One Coat External Cement Plaster Wood Floated On Brickwork</u>			
7	On walls	m2	263	
8	On narrow widths	m2	13	
	<u>One Coat External Cement Plaster Wood Floated On Concrete</u>			
9	On beams	m2	12	
	Carried Forward to Summary of Section No. 2			KES
	Section No. 2			
	Bill No. 8			
	Plastering			

Item No	<u>SECTION NO 2 : CATTLE & CAMEL BLEEDING AREA ALTERATIONS</u>	Quantity	Rate	Amount
	<u>BILL NO 9</u>			
	<u>TILING</u>			
	<u>LAY, BED AND GROUT FLOOR TILES COMPLETE (LABOUR ONLY)</u>			
	<u>Cost of the installation(only) of imported tiles (Supply of tiles measured elsewhere) with approved adhesive On Screed (Screed Elsewhere Measured)</u>			
	<u>With Straight Continuous Joints In Both Directions, Pointed In Approved Tinted Epoxy Tile Grouting(measured elsewhere), Including All Necessary Cutting And Waste, Cutting And Fitting Around Plumbing, Protection From Damage And Cleaning Down On Completion</u>			
1	On floors	m2	54	
2	On narrow widths(Floors)	m2	3	
3	100mm tiles laid on triangular covings against walls to floor junctions	m	32	
4	100mm tiles laid on triangular covings at corners of wall junctions	m	72	
5	On walls	m2	58	
6	On narrow widths(walls)	m2	3	
7	Extra over corner tiles at 45 degree angle against walls	m	43	
	Carried Forward		KES	
	Section No. 2 Bill No. 9 Tiling			

Brought Forward

KES

SUNDRIES

Triangular Edge Trim, Movement Joints, Etc

8	" Triangular Edge Trim" or similar approved 10mm high aluminium trim bedded in tile adhesive while tiles are laid	m	32
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Carried Forward to Summary of Section No. 2

KES

Section No. 2
Bill No. 9
Tiling

Item No		Quantity	Rate	Amount
	<u>SECTION NO 2 : CATTLE & CAMEL BLEEDING AREA ALTERATIONS</u>			
	<u>BILL NO 10</u>			
	<u>PAINTING</u>			
	<u>PAINTWORK ECT TO NEW WORK</u>			
	<u>ON INTERNAL FLOATED PLASTER SURFACES</u>			
	<u>Prepare, Stop And Apply Three Coats Of Anti Microbial Paint. Dulux Wash & Wear With Anti-Bac. Or Similar Approved. Colour To Be Approved.</u>			
1	Walls and columns	m2	25	
2	On ceilings and beams	m2	6	
	<u>ON METAL SURFACES</u>			
	<u>Prepare, Stop And Apply One Coat Alkyd Based Zinc Phosphate Primer And Two Coats Premium Quality Polyurethane Enamel Paint On Metal Members</u>			
3	Windows (both sides measured over full flat area)	m2	129	
4	Gates, grilles, burglar screens, balustrades, etc. (both sides measured over full flat area)	m2	40	
5	Metal sections, rails, pipes, etc not exceeding 300mm	m	5	
	<u>ON EXTERNAL FLOATED PLASTER SURFACES</u>			
	<u>Prepare, Stop And Apply One Coat Scaler, One Coat Undercoat And Two Coats Exterior Quality PVA Emulsion Paint Or Similar Approved. Colour To Be Approved.</u>			
6	Walls and columns	m2	276	
7	Ceilings and beams	m2	6	
	Carried Forward			KES
	Section No. 2 Bill No. 10 Painting			

Brought Forward

KES

PAINTWORK ECT TO EXISTING WORK

ON INTERNAL FLOATED PLASTER SURFACES

Prepare, Stop And Apply Three Coats Of Anti Microbial Paint. Dulux Wash & Wear With Anti-Bac. Or Similar Approved. Colour To Be Approved.

8	Walls and columns	m2	192
9	On ceilings and beams	m2	20

ON EXTERNAL FLOATED PLASTER SURFACES

Prepare, Stop And Apply One Coat Scaler, One Coat Undercoat And Two Coats Exterior Quality PVA Emulsion Paint Or Similar Approved. Colour To Be Approved.

10	Walls and columns	m2	240
11	Ceilings and beams	m2	20

Carried Forward to Summary of Section No. 2

KES

Section No. 2
 Bill No. 10
 Painting

SECTION SUMMARY - Cattle & Camel Bleeding Area Alterations

**Bill
No**

Amount

1 Alterations

2 Earthworks

3 Concrete, Formwork & Reinforcement

4 Masonry

5 Waterproofing

6 Metalworks

7 Ironmongery

8 Plastering

9 Tiling

10 Painting

Carried to Final Summary

KES

Section No. 2

Item No	Quantity	Rate	Amount
<p><u>SECTION NO 3 : GOAT & SHEEP BLEEDING AREA ALTERATIONS</u></p>			
<p><u>BILL NO 1</u></p>			
<p><u>ALTERATIONS</u></p>			
<p><u>Supplementary Preambles</u></p>			
<p><u>General</u></p>			
<p>In taking down and removing existing work the utmost care shall be observed to prevent any structural or other damage to the remaining portions of the building and the Contractor shall provide all shoring, needling, strutting, etc. to ensure the stability of all structures during the alteration work.</p>			
<p>Special care shall be exercised during the progress of the works to ensure that any electrical installations, water pipes, telephone and other services which may be encountered are not interfered with and notice shall be given to the Principal Agent if any disconnection or alterations become necessary.</p>			
<p>Any water supply and other piping that may be encountered and which is found to be necessary to disconnect or cut shall, after such disconnection or cutting has been authorized by the Principal Agent, be effectively stopped off and any new connections that may be necessary made with proper tees, junction pieces, etc. to the satisfaction of the Principal Agent.</p>			
<p>Before submitting the tender the contractor shall visit the site and satisfy himself as to the nature and extend of the work to be done and the value of the materials contained in the building or portion of the building to be carefully removed by whatever means from site. No claims at any stage for whatever reason with respect to the nature and extend of the works or of inferior or damaged material will be entertained.</p>			
<p><u>Old Materials To Become The Property Of The Contractor</u></p>			
<p>Old materials from alterations, except where described to be re-used or handed over, become the property of the Contractor who may allow credit for same where provided for in these Bills of Quantities.</p>			
<p>Carried Forward</p>		KES	
<p>Section No. 3 Bill No. 1 Alterations</p>			

Brought Forward

KES

Old Materials To Be Carted Away

Old materials from the alterations, except where described to be re-used or handed over, as well as all rubbish, etc., must be regularly carted from the site and not be allowed to accumulate on or around the site.

Old Materials Not To Be Re-Used

None of the old materials are to be used for new work except where specifically described as being set aside for re-use.

Handing Over Of Materials

Where certain materials or articles from demolitions or alterations as described as to be "handed over" by the Contractor to the Principal Agent, such materials or articles shall be properly stored by the Contractor until handing over thereof. The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the Contractor fails to submit the receipt when requested, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Employer for the full replacement value thereof, which amount will be deducted from any monies due to the Contractor.

Disposal Of Debris Etc

The Contractor shall be responsible for the removal from site of all materials, debris and rubbish resulting from the work and is deemed to be included in the rates.

Size Pertaining To Existing Work

The Contractor is advised to take all dimensions affecting the existing building and he will be held solely responsible for the correctness of sizes of all new work.

All sizes given in relation to existing work are approximate.

Carried Forward

KES

Section No. 3
Bill No. 1
Alterations

Brought Forward

KES

Forming New Openings Or Altering Openings In Existing Walls

Descriptions of forming new openings or altering openings in existing walls shall be deemed to include breaking out for and building up new brickwork, in-situ concrete, precast lintels including all reinforcement, formwork, turning pieces, strutting, etc. the building up of reveals or portions of the openings as described with brickwork properly toothed and bonded to existing, building cavities of hollow walls solid where necessary and making good finishes all round on both sides and into reveals as described.

Building Up Of Openings

Descriptions of building up existing openings where given in number shall be deemed to include preparing existing services all round, brickwork properly toothed and bonded to existing, wedging up and making good on both sides as described.

Painting

Where plasterwork on walls, ceilings, etc. are required to be patched or made good, prices are deemed to include for the appropriate priming coat and one coat undercoat to receive paint finishing coats which are measured elsewhere, all in accordance to the relevant specification.

Demolition Of Structural Work

Breaking out and removal of any structural brickwork or concrete can only be done on the written instruction of the Engineer. The Contractor must allow the Engineer five (5) working days lead time to do the necessary inspections and issue of the relevant instructions.

Plastered Walls

Existing plastered walls to be repaired and smoothed down with "Exterior Grade" or similar approved Polyfilla where fixtures, fittings, skirtings, dado rails, tiling, wallpaper, etc removed

Carried Forward

KES

Section No. 3
Bill No. 1
Alterations

Brought Forward			KES
<u>REMOVAL OF EXISTING WORK</u>			
<u>Breaking Up And Removing Reinforced Concrete</u>			
1	Concrete Surfacebed	m3	2
2	Stripfootings	m3	5
3	Columns	m3	1
4	Beams	m3	2
5	Stairs	No	1
<u>Breaking Down And Removing Stone Block Walls, Etc</u>			
6	Existing stone block walls	m2	45
<u>Taking Out And Removing Doors And Remove From Site, Including Frames, Thresholds, Sills, Etc, And Preparing Opening For New</u>			
7	Single doors and frame not exceeding 2,5m ²	No	1
8	Double doors and frame not exceeding 5,0m ²	No	1
9	Sliding doors and frame not exceeding 10,0m ²	No	1

<u>CUTTING THROUGH FLOORS AND CEILINGS</u>			
<u>Cutting through</u>			
10	150mm Thick reinforced concrete surfacebed 300mm wide concrete footing complete including removing concrete from site and making good concrete on both sides of new walls	m	30
11	150mm Thick reinforced concrete surfacebed 200mm wide for drainage complete including removing concrete from site (new concrete surfacebed measured elsewhere)	m	62
Carried Forward			KES
Section No. 3 Bill No. 1 Alterations			

Brought Forward			KES
<u>MAKING GOOD OF FINISHES, ETC</u>			
<u>Making Good Cement Screeds</u>			
12	Cast screeds to falls (average thickness 100mm)	m2	36
13	200mm Thick screeds to floors not exceeding 300mm wide where stone block walls are removed	m	9
<u>Making Good Internal Cement Plaster</u>			
14	Walls in patches	m2	52
<u>Making Good Windows</u>			
15	Replacing glazing to windows including putty and gaskets (painting measured)	m2	90
Carried Forward to Summary of Section No. 3			KES
Section No. 3			
Bill No. 1			
Alterations			

Item No	Quantity	Rate	Amount
<p><u>SECTION NO 3 : GOAT & SHEEP BLEEDING AREA ALTERATIONS</u></p>			
<p><u>BILL NO 2</u></p>			
<p><u>EARTHWORKS</u></p>			
<p><u>Supplementary Preambles</u></p>			
<p><u>Nature Of Material To Be Excavated</u></p>			
<p>Descriptions of excavations shall be deemed to include all ground conditions classifiable as "earth" or "ground" and/or filling compacted to 95% Modified AASHTO density. Where conditions of a more difficult character are indicated, these are measured separately.</p>			
<p><u>Excavations</u></p>			
<p>Descriptions of excavations shall be deemed to include for increase in bulk and multiple handling of excavated material caused by the Contractor's method of operation.</p>			
<p><u>Carting Away Excavated Material</u></p>			
<p>Descriptions of carting away of excavated materials shall be deemed to include the breaking down of oversized materials including materials of a more difficult character complete including the loading of such excavated materials onto trucks directly from the excavations or, alternatively, from stockpiles situated on the site</p>			
<p><u>G7 - Material (Specification)</u></p>			
<p>G7 Sub-Base Material is used as filling and a base coarse under roads and paving. This material may contain approved natural fines not obtained from parent rock. The nominal maximum size for uncrushed material is 2/3 of the compacted layer and for crushed material 74mm.</p>			
<p>Carried Forward</p>		KES	
<p>Section No. 3 Bill No. 2 Earthworks</p>			

Brought Forward		KES
<u>Working Space</u>		
<p>Working space for formwork to sides of all concrete, except columns, shall be measured only where the concrete face is less than 750mm from the face of the measured excavations AND only where formwork is specifically specified as a requirement by the Engineer.</p> <p>No claim shall be considered for any working space for formwork to concrete other than above described or for working space beyond the sides of trench excavations for the building of brick walls.</p> <p>Descriptions of excavations for working space shall be deemed to include for any additional risk of collapse so incurred and for returning and compacting of the excavated material so described.</p> <p>-----</p>		
<u>EXCAVATIONS, FILLING, ETC OTHER THAN BULK</u>		
<u>EXCAVATIONS</u>		
<u>Excavate In Earth Or Compacted Earth Filling Not Exceeding 1.5m Deep Below Natural, Reduced Or Elevated Level And Stockpile On Site</u>		
1	Foundation trenches and bases	m3 22
<u>EXCAVATIONS OF A MORE DIFFICULT CHARACTER</u>		
<u>Extra Over Excavations In Earth For Excavations In</u>		
2	Soft rock	m3 2
3	Hard rock	m3 1
<u>MAINTENANCE OF EXCAVATIONS</u>		
<u>Extra Over All Excavations For The Loading And Carting Away Of</u>		
4	Surplus material from excavations and/or stock piles on site to a dumping site not exceeding 1km from site	m3 4
Carried Forward		KES
<p>Section No. 3 Bill No. 2 Earthworks</p>		

Brought Forward			KES
<u>Risk Of Collapse Of Excavations</u>			
5	Allow for risk of collapse to sides of trench and hole excavations exceeding 1500mm and not exceeding 3000mm deep	m2	76
<u>Keeping Excavations Free From Water</u>			
6	Allow for keeping all excavations free from water, mud, etc. by baling, pumping or other approved means, including the provision of all necessary pumps, plumbing, etc.		Item
<u>FILLING, ETC.</u>			
<u>Note:</u> All filling, whether obtained from the stockpiles or an outside source, must be approved by the Engineer			
<u>Selected Clean Earth Filling Obtained From The Excavations And/Or Prescribed Stockpiles On Site Compacted In Maximum 150mm Thick Layers To 93% Mod AASHTO Density</u>			
7	Filling under footings as foundation improvement to trenches, etc.	m3	18
<u>Selected Clean Earth Filling Supplied By The Contractor Obtained From The Commercial Sources Including Total Haul</u>			
8	Filling under surfacebeds, etc. of selected minimum G7 materials (defined in preambles) to make up levels and compact in layers not exceeding 150mm thick to minimum 95% Mod AASHTO density	m3	80
<u>Compaction Of Surfaces</u>			
9	Compaction of ground surfaces under solid floors by scarifying to a depth of 150mm, breaking down oversized material, adding suitable material where necessary and compacting to 93% Mod AASHTO density.	m2	55
<u>Prescribed Density Tests On Filling</u>			
10	Modified AASHTO density test	No	1
Carried Forward			KES
Section No. 3 Bill No. 2 Earthworks			

Brought Forward

KES

SOIL POISONING

Approved Soil Insecticide Mixed And Applied In Strict Accordance To Manufacturers Instructions

11	Soil poisoning of surface of ground or filling under solid floors, steps, etc. including raking out 75mm deep V-shaped furrows against the walls, etc. treating with poison solution, backfilling of furrows and ramming.	m2	55
12	Soil poisoning to foundation walls, etc. treating with poison solution	m2	92

Carried Forward to Summary of Section No. 3

KES

Section No. 3
 Bill No. 2
 Earthworks

Item No	<u>SECTION NO 3 : GOAT & SHEEP BLEEDING AREA ALTERATIONS</u>	Quantity	Rate	Amount
	<u>BILL NO 3</u>			
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	<u>Supplementary Preambles</u>			
	<u>Cost Of Tests</u>			
	<p>The cost of making, storing and testing of concrete test cubes as required and shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Principal Agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval by the Principal Agent. Only successful tests will be paid for. (Test cubes are measured separately).</p>			
	<u>Rates</u>			
	<p>The rates for all concrete are to include for transporting, handling and depositing (by hoisting or lowering) in the formwork or ground and for working, vibrating and packing around reinforcement and striking off and curing.</p>			
	<u>Formwork</u>			
	<p>Description of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use</p> <p>-----</p>			
	<u>REINFORCED CONCRETE</u>			
	<u>25MPa/19mm Concrete Cast Against Excavated Surfaces</u>			
1	Strip footings	m3	4	
	Carried Forward		KES	
	<p>Section No. 3 Bill No. 3 Concrete, Formwork & Reinforcement</p>			

Brought Forward			KES
<u>30MPa/19mm Concrete Cast Against Excavated Surfaces</u>			
2	Surface beds cast in panels on waterproofing	m3	8
<u>30MPa/19mm Concrete Cast Against Formwork</u>			
3	Slabs including beams, inverted beams, upstand beams, etc	m3	2
4	Stairs including landings, beams and inverted beams, ect	m3	1
5	Columns	m3	2

<u>CONCRETE SUNDRIES</u>			
<u>Finishing Top Surfaces Of Concrete Smooth With A Wood Float</u>			
6	Surface beds, slabs, etc	m2	55
<u>Dowel Bars</u>			
7	Drill 15mm Dia x 150mm deep holes in reinforced concrete and epoxy grout with " ABE - Epidermix 396 " or similar approved grout into position Y12 x 800mm long dowel bar (measured elsewhere) leaving other end exposed ready to cast in to concrete at later stage.	No	23
<u>Test Cubes</u>			
8	Making concrete strength test cubes size 150 x 150 x 150mm, sending them to an approved independent testing laboratory for testing and paying all charges in connection therewith.	Sets	1

<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>			
<u>To Sides Of</u>			
9	Rectangular columns with total height exceeding 3,5m and not exceeding 5,0m above bearing level	m2	13
Carried Forward			KES
Section No. 3			
Bill No. 3			
Concrete, Formwork & Reinforcement			

Brought Forward			KES
<u>Rough Formwork To Sides Of</u>			
10	Edges, risers, ends, steps, ect not exceeding 300mm high.	m	20
<u>To Sides And Soffits Of</u>			
11	Beams propped up exceeding 1,5 and not exceeding 3,5m high	m2	9
<u>Boxing In Rough Formwork To Form</u>			
12	20 x 20mm Vertical chamfer at corners of columns	m	33
<u>Formwork To Form</u>			
13	110mm Diameter opening in concrete slab not exceeding 300mm thick	No	3

<u>MOVEMENT JOINTS ETC</u>			
<u>Saw Cut Joints Approved Joint Filler Vertical Between Concrete/Brick And/Or Steel Surfaces Complete All As Per Engineers Details And Specifications</u>			
14	Cut saw joints 3mm wide x 40 deep in top of concrete floor and ream joint to 10mm x 25 deep	m	44

<u>REINFORCEMENT</u>			
<u>Mild Steel Bar Reinforcement To Structural Concrete</u>			
15	Various diameter bars	t	0.20
<u>High Tensile Steel Bar Reinforcement To Structural Concrete</u>			
16	Various diameter bars	t	0.80
<u>Fabric Mesh Reinforcement</u>			
17	Type reference 311 in surface beds laid with minimum 300mm laps (measured nett)	m2	55
Carried Forward to Summary of Section No. 3			KES
Section No. 3			
Bill No. 3			
Concrete, Formwork & Reinforcement			

Item No	<u>SECTION NO 3 : GOAT & SHEEP BLEEDING AREA ALTERATIONS</u>	Quantity	Rate	Amount
	<u>BILL NO 4</u>			
	<u>BRICKWORK</u>			
	<u>Supplementary Preambles</u>			
	<u>Sizes In Descriptions</u>			
	Where referred to blocks, the size of blocks shall be standard commercially to that which is commercially available Width as per specification			
	<u>Cavity Walls</u>			
	Descriptions of cavity walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole.			
	Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats "Brixial" bitumen emulsion waterproofing coating.			
	<u>STONE BLOCK WALLS</u>			
	<u>Stone Block Walls In Class II Cement Mortar</u>			
	<u>Foundations</u>			
1	Construct 200mm wall in foundations with solid block bricks, 10MPa mortar	m2	42	
	<u>Super Structure</u>			
2	Construct 200mm wall in foundations with solid block bricks, 10MPa mortar	m2	74	
	Carried Forward		KES	
	Section No. 3 Bill No. 4 Masonry			

Brought Forward

KES

BRICKWORK SUNDRIES

Bagging Of 1:3 Cement And Sand Slurry Mixture

3	On brick walls, piers, etc	m2	63
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Galvanised Reinforcement With Minimum 100mm Laps At Joints and Angles (Measured Nett)

4	Brickforce suitable for one brick wall.	m	406
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Precast Concrete Prestressed Lintels Bedded, Jointed And Pointed In Cement Mortar

5	100 x 70mm Lintels in lengths not exceeding 3,0m long and building into brickwork.	m	3
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Carried Forward to Summary of Section No. 3

KES

Section No. 3
 Bill No. 4
 Masonry

Item No		Quantity	Rate	Amount
<u>SECTION NO 3 : GOAT & SHEEP BLEEDING AREA ALTERATIONS</u>				
<u>BILL NO 5</u>				
<u>WATERPROOFING</u>				
<u>Supplementary Preambles</u>				
<u>Descriptions</u>				
Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs.				

<u>DAMPPROOFING TO WALLS</u>				
<u>One Layer Of 375 Micron "Consol Plastics Brickgrip DPC" Or Other Approved Polyethylene Sheeting</u>				
1	DPC to walls and cills	m2	6	
<u>DAMPPROOFING UNDER FLOORS</u>				
<u>One Layer Of 250 Micron "Consol Plastics Gunplas USB Green" Or Other Approved Polyethylene Sheeting Sealed At Joints In Strict Accordance With The Manufacturer's Instructions</u>				
2	Under surface beds including all necessary turn-ups and overlaps (measured nett)	m2	55	
<u>JOINT SEALANTS</u>				
<u>Joint Sealant, Rake Out Joint Filler To 20mm Depth And Insert Polythene Foam Backing Cord, Prime With "Epidermix 317" Or Similar Approved And Apply "Dow Coring 813 Silicon Sealant" Or Similar Approved Polysulphide Sealant</u>				
3	10 x 10mm Joints	m	44	
Carried Forward to Summary of Section No. 3				KES
Section No. 3 Bill No. 5 Waterproofing				

Item No	Quantity	Rate	Amount
<p><u>SECTION NO 3 : GOAT & SHEEP BLEEDING AREA ALTERATIONS</u></p>			
<p><u>BILL NO 6</u></p>			
<p><u>CARPENTRY AND JOINERY</u></p>			
<p><u>Supplementary Preambles</u></p>			
<p><u>Timber</u></p>			
<p>All timber to be treated and suitable commercial grade</p>			
<p><u>Descriptions</u></p>			
<p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc.</p>			
<p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes.</p>			
<p>Descriptions of items given in linear metres shall be deemed to include for mitres, stopped ends, fitted intersections, etc.</p>			
<p>Descriptions of rounded angles, rebates, grooves, chamfers, moulded edges, etc. shall be deemed to included for angles, ends, etc.</p>			
<p><u>Fixing</u></p>			
<p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.</p>			
<p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p>			
<p><u>Joinery</u></p>			
<p>Descriptions of frames shall be deemed to include frames, transomes, rails, etc</p>			
<p>Descriptions of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts</p>			
<p>Carried Forward</p>		KES	
<p>Section No. 3 Bill No. 6 Carpentry & Joinery</p>			

Brought Forward

KES

ROOFS ETC**PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION ETC****SUPPLEMENTARY PREAMBLES**

The following is applicable in respect of roof trusses: Trusses are at maximum 1,20m centres. Roof covering is "IBR" 0,58mm thick galvanised steel sheeting on 50 x 75mm purlins at 1,20m maximum centres.

All timber to be sawn softwood in accordance with manufacturer's' instructions. Metal connector plates shall have a minimum yield strength of 228 MPa and a minimum ultimate tensile strength of 330 MPa with hot-dip galvanised finish. All joints to be close fitted butt joints.

Trusses shall be designed by a registered supplier of prefabricated trusses who shall issue an Engineers Certificate upon completion of the installation.

The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained on site before design or fabrication commences.

Tenderers must study the roof plan and sections as attached to the back of these bills of quantities and must obtain prices from a qualified and registered roof truss supplier as no claims in this regard will be entertained.

Sawn Softwood

1	38 x 114mm Wall plates	m	13
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Plate Nailed Timber Roof Trusses

2	Roof construction to mono pitched roof approx. 40m2 , including all bracing, purlins etc. complete (wall plates, fascia and barge boards measured elsewhere) - apartment roof	No	1
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Sundries

3	Two coats creosote on sawn timbers	m2	2
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Carried Forward

KES

Section No. 3
Bill No. 6
Carpentry & Joinery

Brought Forward

KES

"Everite Flexit" Pressed Nutec-Cement

4 225 x 10mm Fascias and barge boards including galvanised steel H-profile jointing strips

m

13

Carried Forward to Summary of Section No. 3

KES

Section No. 3
Bill No. 6
Carpentry & Joinery

Item No	<u>SECTION NO 3 : GOAT & SHEEP BLEEDING AREA ALTERATIONS</u>	Quantity	Rate	Amount
	<u>BILL NO 7</u>			
	<u>ROOF COVERINGS</u>			
	<u>Supplementary Preambles</u>			
	<u>Scope Of Work</u>			
	Tenderers are invited to tender on the basis of their specialist knowledge of this type of work and therefor has to do their own investigations and enquiries as to the full extent of the work required. The drawings included within this tender are not intended to define the exact scope of work but to assist the tenderers in the pricing process.			
	<u>ROOF INSULATION</u>			
	<u>"Sisalation" Insulation</u>			
1	"Sisalation 410" or similar approved reflective foil insulation with reinforced with fibreglass and flame retardant additives to the total roof area all in accordance with manufacturer's specifications	m2	40	
	<u>ROOF SHEETING</u>			
	<u>Design, Supply, Deliver And Install " IBR " 0.58mm Thick Galvanised Roof Sheeting On Timber Purlins Fixed To Timber Rafters To Engineers' Details, Including All Necessary Fixing Clips, Etc, Complete, All In Strict Accordance With The Manufacturer's Instructions</u>			
2	Roof covering to roof pitch as shown in transportable lengths as required, to the <u>roof</u>	m2	40	
3	Raking cutting and waste	m	26	
	Carried Forward		KES	
	Section No. 3 Bill No. 7 Roof Coverings			

Brought Forward			KES
<u>FLASHING, ETC</u>			
<u>Design, Supply, Deliver And Install Light Industrial Galvanised Flashings To Match Sheeting Complete Including All Necessary Fixing Clips, Etc. All In Strict Accordance With The Manufacturer's Instructions</u>			
4	Ridge cap girth 462mm	m	13
5	Gable trim girth 460mm	m	13
6	External corner trim girth 308mm	m	26
7	Internal corner trim girth 308mm	m	26

<u>RAINWATER DISPOSAL</u>			
<u>Pre-Coated Zinalume Seamless Gutter, Overall Size 150 x 100 x 0,5mm Thick In Colour To Match Roof Sheeting Including Matching Rivet-Fixed Mitres And End Caps Internally Sealed Using Silicon Mastic, Hung By Nail Fixed Internal Aluminium Hangers At 800mm Centres With Rectangular Fluted Downpipes, Size 100 x 75 x 0,5mm Thick In Colour To Match Roof Sheeting Fixed To Walls With Pre-Painted Downpipe Cleats Using Nail-In Anchor Fixings</u>			
8	150 x 100mm Eaves gutters	m	13
9	Extra over for outlet for 100 x 75mm pipe	No	3
10	100 x 75mm Rainwater downpipes	m	15
11	Extra over pipe for shoe	No	3
12	Extra over pipe for bend	No	3
13	Extra over pipe for eaves or plinth offset 600mm projection	No	3
Carried Forward to Summary of Section No. 3			KES
Section No. 3			
Bill No. 7			
Roof Coverings			

Item No	<u>SECTION NO 3 : GOAT & SHEEP BLEEDING AREA ALTERATIONS</u>	Quantity	Rate	Amount
	<u>BILL NO 8</u>			
	<u>METALWORK</u>			
	<u>Supplementary Preambles</u>			
	<u>Descriptions</u>			
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete.			
	Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described.			

	<u>SUNDRY METALWORKS</u>			
	<u>PC Allowances</u>			
	<u>Steel Gates & Doors</u>			
1	Provide the sum of KES 70,000.00 (Seventy Thousand Kenyan Shilling) for the supply and installation of <u>Steel Gates & Doors</u> complete	Item		70 000,00
	<u>Roller Shutter Doors</u>			
2	Provide the sum of KES 220,000.00 (Two Hundred And Twenty Thousand Kenyan Shilling) for the supply and installation of <u>Roller Shutter Doors</u> complete	Item		220 000,00
	<u>Steel Windows & Glazing</u>			
3	Provide the sum of KES 170,000.00 (One Hundred And Seventy Thousand Kenyan Shilling) for the supply and installation of <u>Steel Windows and Glazing</u> complete	Item		170 000,00
	Carried Forward to Summary of Section No. 3		KES	
	Section No. 3 Bill No. 8 Metalworks			

Item No		Quantity	Rate	Amount
<u>SECTION NO 3 : GOAT & SHEEP BLEEDING AREA ALTERATIONS</u>				
<u>BILL NO 9</u>				
<u>IRONMONGERY</u>				
<u>Supplementary Preambles</u>				
<u>Fixing</u>				
Where ironmongery is described as plugged or fixed, prices are to include for screwing to and including approved patent plugs in concrete or brickwork with plastered or tiled finish.				

<u>FIRE SIGNAGE</u>				
<u>Supply And Install Fire Signage</u>				
1	Photoluminescent "EXIT" signage, size 300 x 150mm in certified ABS plastic, with natural anodised aluminium frame, mounted against wall with non-corrosive screws against wall surface above door frame. Colour: White panel with red border-line, and red pictogram complete	No	2	
2	Photoluminescent double sided "FIRE CABINET" signage, size 450 x 150mm in certified ABS plastic, with natural anodised aluminium frame, mounted against wall with non-corrosive screws against wall surface above fire cabinet. Colour: White panel with red border-line, and red pictogram complete	No	1	
3	Photoluminescent "FIRE EXTINGUISHER" signage, size 300 x 150mm in certified ABS plastic, with natural anodised aluminium frame, drilled, plugged and fixed with non-corrosive screws against wall surface above fire extinguisher. Colour: White panel with red border-line, and red pictogram complete	No	2	
Carried Forward to Summary of Section No. 3			KES	
Section No. 3 Bill No. 9 Ironmongery				

Item No	<u>SECTION NO 3 : GOAT & SHEEP BLEEDING AREA ALTERATIONS</u>	Quantity	Rate	Amoun
	<u>BILL NO 10</u>			
	<u>PLASTERING</u>			
	For preambles see "Model Preambles for Trades (2008 Edition)" and applicable Supplementary Preambles as specified in the Trades. The said Model and Supplementary Preambles apply to all work described in this document. Tenderers are therefor referred to these documents for the full meaning and intention of all descriptions and no claims of any kind whatsoever will be entertained in this regard.			

	<u>SCREEDS</u>			
	<u>1:4 Cement Plaster Screeds Wood Floated On Concrete</u>			
1	25mm Thick on floors and landings (Terrazzo Floor)	m2	91	
2	100 x 100mm triangular fillets against walls, etc.	m	35	
3	Extra over triangular fillets at corners, etc.	No	20	

	<u>INTERNAL PLASTER</u>			
	<u>One Coat Internal Cement Plaster Steel Floated On Brickwork</u>			
4	On walls	m2	49	
5	On narrow widths	m2	2	
6	Extra over rounded edges of internal corners	m	36	
	Carried Forward			
	Section No. 3 Bill No. 10 Plastering		KES	

Brought Forward

KES

EXTERNAL PLASTER

One Coat External Cement Plaster Wood Floated On Brickwork

7	On walls	m2	150
8	On narrow widths	m2	2

One Coat External Cement Plaster Wood Floated On Concrete

9	On beams and columns	m2	9
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Carried Forward to Summary of Section No. 3

KES

Section No. 3
 Bill No. 10
 Plastering

Item No	<u>SECTION NO 3 : GOAT & SHEEP BLEEDING AREA ALTERATIONS</u>	Quantity	Rate	Amount
	<u>BILL NO 11</u>			
	<u>TILING</u>			
	<u>LAY, BED AND GROUT FLOOR TILES COMPLETE (LABOUR ONLY)</u>			
	<u>Cost of the installation(only) of imported tiles (Supply of tiles measured elsewhere) with approved adhesive On Screed (Screed Elsewhere Measured) With Straight Continuous Joints In Both Directions, Pointed In Approved Tinted Epoxy Tile Grouting(measured elsewhere), Including All Necessary Cutting And Waste, Cutting And Fitting Around Plumbing, Protection From Damage And Cleaning Down On Completion</u>			
1				
2	On floors	m2	91	
3	On narrow widths (Floors)	m2	5	
4	100mm tiles laid on triangular covings against walls to floor junctions	m	35	
	100mm tiles laid on triangular covings at corners of wall junctions	m	60	
5	On walls	m2	49	
6	On narrow widths (Walls)	m2	2	
7	Extra over corner tiles at 45 degree angle against walls	m	36	
	Carried Forward			
	Section No. 3 Bill No. 11 Tiling			
				KES

Brought Forward

KES

SUNDRIES

Triangular Edge Trim, Movement Joints, Etc

8	" Triangular Edge Trim" or similar approved 10mm high aluminium trim bedded in tile adhesive while tiles are laid	m	27
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Carried Forward to Summary of Section No. 3

KES

Section No. 3
Bill No. 11
Tiling

Item No		Quantity	Rate	Amount
	<u>SECTION NO 3 : GOAT & SHEEP BLEEDING AREA ALTERATIONS</u>			
	<u>BILL NO 12</u>			
	<u>PAINTING</u>			
	<u>PAINTWORK ECT TO NEW WORK</u>			
	<u>ON INTERNAL FLOATED PLASTER SURFACES</u>			
	<u>One Coat Alkali Resistant Primer And Two Coats Premium Quality Acrylic PVA "Plascon Wall And All" Or Similar Approved Paint For Interior Use</u>			
1	Walls and columns -----	m2	51	
	<u>ON METAL SURFACES</u>			
	<u>One Coat Alkyd Based Zinc Phosphate Primer And Two Coats " Plascon " Premium Quality Polyurethane Enamel Paint On Metal Members</u>			
2	Windows (both sides measured over full flat area)	m2	90	
3	Gates, grilles, burglar screens, balustrades, etc. (both sides measured over full flat area)	m2	20	
4	Metal sections, rails, pipes, etc not exceeding 300mm -----	m	5	
	<u>ON EXTERNAL FLOATED PLASTER SURFACES</u>			
	<u>One Coat Primer And Two Coats Exterior Quality Acrylic PVA "Plascon Micatex" Or Similar Approved Paint</u>			
5	Walls and columns	m2	152	
6	Columns and beams	m2	9	
	Carried Forward			KES
	Section No. 3 Bill No. 12 Painting			

Brought Forward

KES

PAINTWORK ECT TO EXISTING WORK

ON INTERNAL FLOATED PLASTER SURFACES

One Coat Alkali Resistant Primer And Two Coats Premium Quality Acrylic PVA "Plascon Wall And All" Or Similar Approved Paint For Interior Use

7	Walls and columns	m2	30
8	On ceilings and beams	m2	9

Carried Forward to Summary of Section No. 3

KES

Section No. 3
 Bill No. 12
 Painting

SECTION SUMMARY - Goat & Sheep Bleeding Area Alterations

Bill No		Page No	Amount
1	Alterations		
2	Earthworks		
3	Concrete, Formwork & Reinforcement		
4	Masonry		
5	Waterproofing		
6	Carpentry & Joinery		
7	Roof Coverings		
8	Metalworks		
9	Ironmongery		
10	Plastering		
11	Tiling		
12	Painting		
Carried to Final Summary			
Section No. 3			
		KES	

Item No	Quantity	Rate	Amount
<p><u>SECTION NO 4 : MAIN BUILDING ALTERATIONS</u></p>			
<p><u>BILL NO 1</u></p>			
<p><u>ALTERATIONS</u></p>			
<p><u>Supplementary Preambles</u></p>			
<p><u>General</u></p>			
<p>In taking down and removing existing work the utmost care shall be observed to prevent any structural or other damage to the remaining portions of the building and the Contractor shall provide all shoring, needling, strutting, etc. to ensure the stability of all structures during the alteration work.</p>			
<p>Special care shall be exercised during the progress of the works to ensure that any electrical installations, water pipes, telephone and other services which may be encountered are not interfered with and notice shall be given to the Principal Agent if any disconnection or alterations become necessary.</p>			
<p>Any water supply and other piping that may be encountered and which is found to be necessary to disconnect or cut shall, after such disconnection or cutting has been authorized by the Principal Agent, be effectively stopped off and any new connections that may be necessary made with proper tees, junction pieces, etc. to the satisfaction of the Principal Agent.</p>			
<p>Before submitting the tender the contractor shall visit the site and satisfy himself as to the nature and extend of the work to be done and the value of the materials contained in the building or portion of the building to be carefully removed by whatever means from site. No claims at any stage for whatever reason with respect to the nature and extend of the works or of inferior or damaged material will be entertained.</p>			
<p><u>Old Materials To Become The Property Of The Contractor</u></p>			
<p>Old materials from alterations, except where described to be re-used or handed over, become the property of the Contractor who may allow credit for same where provided for in these Bills of Quantities.</p>			
<p>Carried Forward</p>		KES	
<p>Section No. 4 Bill No. 1 Alterations</p>			

Brought Forward

KES

Old Materials To Be Carted Away

Old materials from the alterations, except where described to be re-used or handed over, as well as all rubbish, etc., must be regularly carted from the site and not be allowed to accumulate on or around the site.

Old Materials Not To Be Re-Used

None of the old materials are to be used for new work except where specifically described as being set aside for re-use.

Handing Over Of Materials

Where certain materials or articles from demolitions or alterations as described as to be "handed over" by the Contractor to the Principal Agent, such materials or articles shall be properly stored by the Contractor until handing over thereof. The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the Contractor fails to submit the receipt when requested, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Employer for the full replacement value thereof, which amount will be deducted from any monies due to the Contractor.

Disposal Of Debris Etc

The Contractor shall be responsible for the removal from site of all materials, debris and rubbish resulting from the work and is deemed to be included in the rates.

Size Pertaining To Existing Work

The Contractor is advised to take all dimensions affecting the existing building and he will be held solely responsible for the correctness of sizes of all new work.

All sizes given in relation to existing work are approximate.

Carried Forward

KES

Brought Forward

KES

Forming New Openings Or Altering Openings In Existing Walls

Descriptions of forming new openings or altering openings in existing walls shall be deemed to include breaking out for and building up new brickwork, in-situ concrete, precast lintels including all reinforcement, formwork, turning pieces, strutting, etc. the building up of reveals or portions of the openings as described with brickwork properly toothed and bonded to existing, building cavities of hollow walls solid where necessary and making good finishes all round on both sides and into reveals as described.

Building Up Of Openings

Descriptions of building up existing openings where given in number shall be deemed to include preparing existing services all round, brickwork properly toothed and bonded to existing, wedging up and making good on both sides as described.

Painting

Where plasterwork on walls, ceilings, etc. are required to be patched or made good, prices are deemed to include for the appropriate priming coat and one coat undercoat to receive paint finishing coats which are measured elsewhere, all in accordance to the relevant specification.

Demolition Of Structural Work

Breaking out and removal of any structural brickwork or concrete can only be done on the written instruction of the Engineer. The Contractor must allow the Engineer five (5) working days lead time to do the necessary inspections and issue of the relevant instructions.

Plastered Walls

Existing plastered walls to be repaired and smoothed down with "Exterior Grade" or similar approved Polyfilla where fixtures, fittings, skirtings, dado rails, tiling, wallpaper, etc removed

Carried Forward

KES

Brought Forward			KES
<u>REMOVAL OF EXISTING WORK</u>			
<u>Breaking Up And Removing Reinforced Concrete</u>			
1	Concrete Surfacebed	m3	4
2	Stripfootings	m3	7
3	Columns	m3	2
4	Beams	m3	2
5	Suspended slabs	m3	4
6	Stairs	No	2
<u>Breaking Down And Removing Stone Block Walls, Etc</u>			
7	Existing stone block walls	m2	35
<u>Taking Out And Removing Doors And Remove From Site, Including Frames, Thresholds, Sills, Etc, And Preparing Opening For New</u>			
8	Single doors and frame not exceeding 2,5m ²	No	4
9	Double doors and frame not exceeding 5,0m ²	No	5
10	Sliding doors and frame not exceeding 10,0m ²	No	4
<u>Taking Down And Removing Roofs, Floors, Panelling, Ceilings, Partitions Etc, And Remove From Site</u>			
11	Pitched roof of timber trusses and purlins, roof coverings, eaves soffit covering, fascias, barge boards, gutters and rainwater pipes -----	m2	20
<u>CUTTING THROUGH FLOORS AND CEILINGS</u>			
<u>Cutting through</u>			
12	150mm Thick reinforced concrete surfacebed 300mm wide concrete footing complete including removing concrete from site and making good concrete on both sides of new walls	m	67
Carried Forward			KES
Section No. 4 Bill No. 1 Alterations			

Brought Forward			KES
13	150mm Thick reinforced concrete surfacebed 200mm wide for drainage complete including removing concrete from site (new concrete surfacebed measured elsewhere)	m	158
<u>MAKING GOOD OF FINISHES, ETC</u>			
<u>Making Good Cement Screeds</u>			
14	Cast screeds to falls (average thickness 100mm)	m2	749
15	200mm Thick screeds to floors not exceeding 300mm wide where stone block walls are removed	m	47
<u>Making Good Internal Cement Plaster</u>			
16	Walls in patches	m2	1 054
<u>Making Good Windows</u>			
17	Replacing glazing to windows including putty and gaskets	m2	301
Carried Forward to Summary of Section No. 4			KES
Section No. 4			
Bill No. 1			
Alterations			

Item No	Quantity	Rate	Amount
<p><u>SECTION NO 4 : MAIN BUILDING ALTERATIONS</u></p>			
<p><u>BILL NO 2</u></p>			
<p><u>EARTHWORKS</u></p>			
<p><u>Supplementary Preambles</u></p>			
<p><u>Nature Of Material To Be Excavated</u></p>			
<p>Descriptions of excavations shall be deemed to include all ground conditions classifiable as "earth" or "ground" and/or filling compacted to 95% Modified AASHTO density. Where conditions of a more difficult character are indicated, these are measured separately.</p>			
<p><u>Excavations</u></p>			
<p>Descriptions of excavations shall be deemed to include for increase in bulk and multiple handling of excavated material caused by the Contractor's method of operation.</p>			
<p><u>Carting Away Excavated Material</u></p>			
<p>Descriptions of carting away of excavated materials shall be deemed to include the breaking down of oversized materials including materials of a more difficult character complete including the loading of such excavated materials onto trucks directly from the excavations or, alternatively, from stockpiles situated on the site</p>			
<p><u>G7 - Material (Specification)</u></p>			
<p>G7 Sub-Base Material is used as filling and a base coarse under roads and paving. This material may contain approved natural fines not obtained from parent rock. The nominal maximum size for uncrushed material is 2/3 of the compacted layer and for crushed material 74mm.</p>			
<p>Carried Forward</p>		<p>KES</p>	
<p>Section No. 4 Bill No. 2 Earthwork</p>			

Brought Forward			KES
<u>Risk Of Collapse Of Excavations</u>			
5	Allow for risk of collapse to sides of trench and hole excavations exceeding 1500mm and not exceeding 3000mm deep	m2	172
<u>Keeping Excavations Free From Water</u>			
6	Allow for keeping all excavations free from water, mud, etc. by baling, pumping or other approved means, including the provision of all necessary pumps, plumbing, etc.		Item
<u>FILLING, ETC.</u>			
<u>Note:</u> All filling, whether obtained from the stockpiles or an outside source, must be approved by the Engineer			
<u>Selected Clean Earth Filling Obtained From The Excavations And/Or Prescribed Stockpiles On Site Compacted In Maximum 150mm Thick Layers To 93% Mod AASHTO Density</u>			
7	Filling under footings as foundation improvement to trenches, etc.	m3	39
<u>Selected Clean Earth Filling Supplied By The Contractor Obtained From The Commercial Sources Including Total Haul</u>			
8	Filling under surfacebeds, etc. of selected minimum G7 materials (defined in preambles) to make up levels and compact in layers not exceeding 150mm thick to minimum 95% Mod AASHTO density	m3	57
<u>Compaction Of Surfaces</u>			
9	Compaction of ground surfaces under solid floors by scarifying to a depth of 150mm, breaking down oversized material, adding suitable material where necessary and compacting to 93% Mod AASHTO density.	m2	162
<u>Prescribed Density Tests On Filling</u>			
10	Modified AASHTO density test	No	5
Carried Forward			KES
Section No. 4 Bill No. 2 Earthwork			

Brought Forward

KES

SOIL POISONING

Approved Soil Insecticide Mixed And Applied In Strict Accordance To Manufacturers Instructions

11	Soil poisoning of surface of ground or filling under solid floors, steps, etc. including raking out 75mm deep V-shaped furrows against the walls, etc. treating with poison solution, backfilling of furrows and ramming.	m2	162
12	Soil poisoning to foundation walls, etc. treating with poison solution	m2	224

Carried Forward to Summary of Section No. 4

KES

Section No. 4
 Bill No. 2
 Earthwork

Item No		Quantity	Rate	Amount
	<u>SECTION NO 4 : MAIN BUILDING ALTERATIONS</u>			
	<u>BILL NO 3</u>			
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	<u>Supplementary Preambles</u>			
	<u>Cost Of Tests</u>			
	The cost of making, storing and testing of concrete test cubes as required and shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Principal Agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval by the Principal Agent. Only successful tests will be paid for. (Test cubes are measured separately).			
	<u>Rates</u>			
	The rates for all concrete are to include for transporting, handling and depositing (by hoisting or lowering) in the formwork or ground and for working, vibrating and packing around reinforcement and striking off and curing.			
	<u>Formwork</u>			
	Description of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use			
	<u>REINFORCED CONCRETE</u>			
	<u>25MPa/19mm Concrete Cast Against Excavated Surfaces</u>			
1	Strip footings	m3	7	
	<u>30MPa/19mm Concrete Cast Against Excavated Surfaces</u>			
2	Surface beds cast in panels on plastic sheeting	m3	6	
	Carried Forward			
	Section No. 4 Bill No. 3 Concrete, Formwork & Reinforcement			
			KES	

Brought Forward			KES
<u>30MPa/19mm Concrete Cast Against Formwork</u>			
3	Slabs including beams, inverted beams, upstand beams, etc -----	m3	2
<u>CONCRETE SUNDRIES</u>			
<u>Finishing Top Surfaces Of Concrete Smooth With A Wood Float</u>			
4	Surface beds, slabs, etc	m2	39
<u>Cast In Items</u>			
5	Take delivery, temporary store and cast in exact position set of four (4) holding down bolts into top of concrete columns, bases, etc including all necessary tolerance pockets, formwork, bending of reinforcement, etc complete	Sets	2
<u>Non-Shrink Grout</u>			
6	"Samson" or other approved bedding under baseplates and holding down bolts, including all necessary ramming, clearing, formwork, and chamfered edge finishes, etc	m3	0.1
<u>Dowel Bars</u>			
7	Drill 15mm Dia x 150mm deep holes in reinforced concrete and epoxy grout with " ABE - Epidermix 396 " or similar approved grout into position Y12 x 800mm long dowel bar (measured elsewhere) leaving other end exposed ready to cast in to concrete at later stage.	No	245
<u>Test Cubes</u>			
8	Making concrete strength test cubes size 150 x 150 x 150mm, sending them to an approved independent testing laboratory for testing and paying all charges in connection therewith.	Sets	1
Carried Forward			KES
Section No. 4			
Bill No. 3			
Concrete, Formwork & Reinforcement			

Brought Forward			KES
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>			
<u>Rough Formwork To Sides Of</u>			
9	Edges, risers, ends, steps, ect not exceeding 300mm high.	m	37
<u>To Sides And Soffits Of</u>			
10	Beams propped up exceeding 1,5 and not exceeding 3,5m high	m2	20
<u>Boxing In Rough Formwork To Form</u>			
11	20 x 20mm Horizontal chamfers at corners of slabs and beams	m	74

<u>MOVEMENT JOINTS ETC</u>			
<u>Saw Cut Joints Approved Joint Filler Vertical Between Concrete/Brick And/Or Steel Surfaces Complete All As Per Engineers Details And Specifications</u>			
12	Cut saw joints 3mm wide x 40 deep in top of concrete floor and ream joint to 10mm x 25 deep	m	135

<u>REINFORCEMENT</u>			
<u>Mild Steel Bar Reinforcement To Structural Concrete</u>			
13	Various diameter bars	t	0.10
<u>High Tensile Steel Bar Reinforcement To Structural Concrete</u>			
14	Various diameter bars	t	0.90
<u>Fabric Mesh Reinforcement</u>			
15	Type reference 311 in surface beds laid with minimum 300mm laps (measured nett)	m2	39
Carried Forward to Summary of Section No. 4			KES
Section No. 4			
Bill No. 3			
Concrete, Formwork & Reinforcement			

Item No		Quantity	Rate	Amount
	<u>SECTION NO 4 : MAIN BUILDING ALTERATIONS</u>			
	<u>BILL NO 4</u>			
	<u>BRICKWORK</u>			
	<u>Supplementary Preambles</u>			
	<u>Sizes In Descriptions</u>			
	Where referred to blocks, the size of blocks shall be standard commercially to that which is commercially available Width as per specification			
	<u>Cavity Walls</u>			
	Descriptions of cavity walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole.			
	Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats "Brixeal" bitumen emulsion waterproofing coating.			

	<u>STONE BLOCK WALLS</u>			
	<u>Stone Block Walls In Class II Cement Mortar</u>			
	<u>Foundations</u>			
1	Construct 200mm wall in foundations with solid block bricks, 10MPa mortar	m2	37	
	<u>Super Structure</u>			
2	Construct 200mm wall in superstructure with hollow block bricks, 10MPa mortar	m2	245	
3	Construct 200mm wall in foundations with solid block bricks, 10MPa mortar	m2	185	
	Carried Forward		KES	
	Section No. 4 Bill No. 4 Masonry			

		Brought Forward		KES
<u>BRICKWORK SUNDRIES</u>				
<u>Bagging Of 1:3 Cement And Sand Slurry Mixture</u>				
4	On brick walls, piers, etc	m2	74	
<u>Galvanised Reinforcement With Minimum 100mm Laps At Joints and Angles (Measured Nett)</u>				
5	Brickforce suitable for 200mm wide stone block walls	m	1 634	
<u>Precast Concrete Prestressed Lintels Bedded, Jointed And Pointed In Cement Mortar</u>				
6	100 x 70mm Lintels in lengths exceeding 3,0m and not exceeding 4,5m long and building into brickwork.	m	18	
Carried Forward to Summary of Section No. 4				KES
Section No. 4				
Bill No. 4				
Masonry				

Item No		Quantity	Rate	Amount
	<u>SECTION NO 4 : MAIN BUILDING ALTERATIONS</u>			
	<u>BILL NO 5</u>			
	<u>WATERPROOFING</u>			
	<u>Supplementary Preambles</u>			
	<u>Descriptions</u>			
	Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs.			

	<u>DAMPPROOFING TO WALLS</u>			
	<u>One Layer Of 375 Micron "Consol Plastics Brickgrip DPC" Or Other Approved Polyethylene Sheeting</u>			
1	DPC to walls and cills	m2	17	
	<u>DAMPPROOFING UNDER FLOORS</u>			
	<u>One Layer Of 250 Micron "Consol Plastics Gunplas USB Green" Or Other Approved Polyethylene Sheeting Sealed At Joints In Strict Accordance With The Manufacturer's Instructions</u>			
2	Under surface beds including all necessary turn-ups and overlaps (measured nett)	m2	39	
	<u>JOINT SEALANTS</u>			
	<u>Joint Sealant, Rake Out Joint Filler To 20mm Depth And Insert Polythene Foam Backing Cord, Prime With "Epidermix 317" Or Similar Approved And Apply "Dow Coring 813 Silicon Sealant" Or Similar Approved Polysulphide Sealant</u>			
3	10 x 10mm Joints	m	135	
	Carried Forward to Summary of Section No. 4			KES
	Section No. 4 Bill No. 5 Waterproofing			

Item No	Quantity	Rate	Amount
<p><u>SECTION NO 4 : MAIN BUILDING ALTERATIONS</u></p>			
<p><u>BILL NO 6</u></p>			
<p><u>CARPENTRY AND JOINERY</u></p>			
<p><u>Supplementary Preambles</u></p>			
<p><u>Timber</u></p>			
<p>All timber to be treated and suitable commercial grade</p>			
<p><u>Descriptions</u></p>			
<p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc.</p>			
<p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes.</p>			
<p>Descriptions of items given in linear metres shall be deemed to include for mitres, stopped ends, fitted intersections, etc.</p>			
<p>Descriptions of rounded angles, rebates, grooves, chamfers, moulded edges, etc. shall be deemed to included for angles, ends, etc.</p>			
<p><u>Fixing</u></p>			
<p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.</p>			
<p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p>			
<p><u>Joinery</u></p>			
<p>Descriptions of frames shall be deemed to include frames, transomes, rails, etc</p>			
<p>Descriptions of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts</p>			
<p>Carried Forward</p>		KES	
<p>Section No. 4 Bill No. 6 Carpentry & Joinery</p>			

Brought Forward

KES

ROOFS ETC**PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION ETC****SUPPLEMENTARY PREAMBLES**

The following is applicable in respect of roof trusses: Trusses are at maximum 1,20m centres. Roof covering is "IBR" 0,58mm thick galvanised steel sheeting on 50 x 75mm purlins at 1,20m maximum centres.

All timber to be sawn softwood in accordance with manufacturer's' instructions. Metal connector plates shall have a minimum yield strength of 228 MPa and a minimum ultimate tensile strength of 330 MPa with hot-dip galvanised finish. All joints to be close fitted butt joints.

Trusses shall be designed by a registered supplier of prefabricated trusses who shall issue an Engineers Certificate upon completion of the installation.

The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained on site before design or fabrication commences.

Tenderers must study the roof plan and sections as attached to the back of these bills of quantities and must obtain prices from a qualified and registered roof truss supplier as no claims in this regard will be entertained.

Sawn Softwood

1	38 x 114mm Wall plates	m	32
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Plate Nailed Timber Roof Trusses

2	Roof construction to mono pitched roof approx. 133m ² , including all bracing, purlins etc. complete (wall plates, fascia and barge boards measured elsewhere) - roof	No	1
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Sundries

3	Two coats creosote on sawn timbers	m ²	5
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Carried Forward

KES

Section No. 4
Bill No. 6
Carpentry & Joinery

Brought Forward

KES

"Everite Flexit" Pressed Nutec-Cement

4 225 x 10mm Fascias and barge boards including galvanised steel H-profile jointing strips

m

45

Carried Forward to Summary of Section No. 4

KES

Section No. 4
Bill No. 6
Carpentry & Joinery

Item No		Quantity	Rate	Amount
	<u>SECTION NO 4 : MAIN BUILDING ALTERATIONS</u>			
	<u>BILL NO 7</u>			
	<u>ROOF COVERINGS</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Scope Of Work</u>			
	Tenderers are invited to tender on the basis of their specialist knowledge of this type of work and therefor has to do their own investigations and enquiries as to the full extent of the work required. The drawings included within this tender are not intended to define the exact scope of work but to assist the tenderers in the pricing process.			

	<u>ROOF INSULATION</u>			
	<u>"Sisalation" Insulation</u>			
1	"Sisalation 410" or similar approved reflective foil insulation with reinforced with fibreglass and flame retardant additives to the total roof area all in accordance with manufacturer's specifications	m2	133	

	<u>ROOF SHEETING</u>			
	<u>Design, Supply, Deliver And Install " IBR " 0.58mm Thick Galvanised Roof Sheeting On Timber Purlins Fixed To Timber Rafters To Engineers' Details, Including All Necessary Fixing Clips, Etc. Complete, All In Strict Accordance With The Manufacturer's Instructions</u>			
2	Roof covering to roof pitch as shown in transportable lengths as required, to the <u>roof</u>	m2	133	
3	Raking cutting and waste	m	42	
	Carried Forward			KES
	Section No. 4 Bill No. 7 Roof Coverings			

Brought Forward			KES
<u>FLASHING, ETC</u>			
<u>Design, Supply, Deliver And Install Light Industrial Galvanised Flashings To Match Sheeting Complete Including All Necessary Fixing Clips, Etc. All In Strict Accordance With The Manufacturer's Instructions</u>			
4	Ridge cap girth 462mm	m	32
5	Gable trim girth 460mm	m	12
6	External corner trim girth 308mm	m	45
7	Internal corner trim girth 308mm	m	45

<u>RAINWATER DISPOSAL</u>			
<u>Pre-Coated Zinalume Seamless Gutter, Overall Size 150 x 100 x 0,5mm Thick In Colour To Match Roof Sheeting Including Matching Rivet-Fixed Mitres And End Caps Internally Sealed Using Silicon Mastic, Hung By Nail Fixed Internal Aluminium Hangers At 800mm Centres With Rectangular Fluted Downpipes, Size 100 x 75 x 0,5mm Thick In Colour To Match Roof Sheeting Fixed To Walls With Pre-Painted Downpipe Cleats Using Nail-In Anchor Fixings</u>			
8	150 x 100mm Eaves gutters	m	40
9	Extra over for outlet for 100 x 75mm pipe	No	8
10	100 x 75mm Rainwater downpipes	m	28
11	Extra over pipe for shoe	No	8
12	Extra over pipe for bend	No	8
13	Extra over pipe for eaves or plinth offset 600mm projection	No	8
Carried Forward to Summary of Section No. 4			KES
Section No. 4			
Bill No. 7			
Roof Coverings			

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO 4 : MAIN BUILDING ALTERATIONS</u></p> <p><u>BILL NO 8</u></p> <p><u>METALWORK</u></p> <p><u>Supplementary Preambles</u></p> <p><u>Descriptions</u></p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete.</p> <p>Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described.</p> <p>-----</p> <p><u>SUNDRY METALWORKS</u></p> <p><u>PC Allowances</u></p> <p><u>Roller Shutter Doors</u></p>			
1	<p>Provide the sum of KES 290,000.00 (Two Hundred And Ninet Five Thousand Kenyan Shilling) for the supply and installation of <u>Roller Shutter Doors</u> complete</p>	Item		290 000.00
	<p style="text-align: right;">Carried Forward to Summary of Section No. 4</p>		KES	
	<p>Section No. 4 Bill No. 8 Metalwork</p>			

Item No		Quantity	Rate	Amount
<u>SECTION NO 4 : MAIN BUILDING ALTERATIONS</u>				
<u>BILL NO 9</u>				
<u>IRONMONGERY</u>				
<u>Supplementary Preambles</u>				
<u>Fixing</u>				
Where ironmongery is described as plugged or fixed, prices are to include for screwing to and including approved patent plugs in concrete or brickwork with plastered or tiled finish.				

<u>FIRE SIGNAGE</u>				
<u>Supply And Install Fire Signage</u>				
1	Photoluminescent "EXIT" signage, size 300 x 150mm in certified ABS plastic, with natural anodised aluminium frame, mounted against wall with non-corrosive screws against wall surface above door frame. Colour: White panel with red border-line, and red pictogram complete	No	6	
2	Photoluminescent double sided "FIRE CABINET" signage, size 450 x 150mm in certified ABS plastic, with natural anodised aluminium frame, mounted against wall with non-corrosive screws against wall surface above fire cabinet. Colour: White panel with red border-line, and red pictogram complete	No	6	
3	Photoluminescent "FIRE EXTINGUISHER" signage, size 300 x 150mm in certified ABS plastic, with natural anodised aluminium frame, drilled, plugged and fixed with non-corrosive screws against wall surface above fire extinguisher. Colour: White panel with red border-line, and red pictogram complete	No	12	
Carried Forward to Summary of Section No. 4			KES	
Section No. 4 Bill No. 9 Ironmongery				

Item No	<u>SECTION NO 4 : MAIN BUILDING ALTERATIONS</u>	Quantity	Rate	Amount
	<u>BILL NO 10</u>			
	<u>PLASTERING</u>			
	<u>SCREEDS</u>			
	<u>1:4 Cement Plaster Screeds Wood Floated On Concrete</u>			
1	25mm Thick on floors and landings (Terrazzo Floor)	m2	749	
2	125 x 125mm triangular covings against walls, etc. (see coving details)	m	400	
3	Extra over triangular covings at corners, etc.	No	196	

	<u>INTERNAL PLASTER</u>			
	<u>One Coat Internal Cement Plaster Steel Floated On Brickwork</u>			
4	On walls	m2	693	
5	On narrow widths	m2	69	
6	Extra over rounded edges of internal corners	m	353	

	<u>EXTERNAL PLASTER</u>			
	<u>One Coat External Cement Plaster Wood Floated On Brickwork</u>			
7	On walls	m2	185	
8	On narrow widths	m2	19	
	Carried Forward to Summary of Section No. 4			KES
	Section No. 4 Bill No. 10 Plastering			

Item No	<u>SECTION NO 4 : MAIN BUILDING ALTERATIONS</u>	Quantity	Rate	Amount
	<u>BILL NO 11</u>			
	<u>TILING</u>			
	<u>LAY, BED AND GROUT FLOOR TILES COMPLETE</u>			
	<u>(LABOUR ONLY)</u>			
	<u>Cost of the installation(only) of imported tiles (Supply of tiles measured elsewhere) with approved adhesive On Screed (Screed Elsewhere Measured)</u>			
	<u>With Straight Continuous Joints In Both Directions, Pointed In Approved Tinted Epoxy Tile Grouting(measured elsewhere), Including All Necessary Cutting And Waste, Cutting And Fitting Around Plumbing, Protection From Damage And Cleaning Down On Completion</u>			
1	On floors	m2	749	
2	On narrow widths(floors)	m2	37	
3	100mm tiles laid on triangular covings against walls to floor junctions	m	400	
4	100mm tiles laid on triangular covings at corners of wall junctions	m	588	
5	On walls	m2	720	
6	On narrow widths(Walls)	m2	36	
7	Extra over corner tiles at 45 degree angle against walls	m	353	
	<u>SUNDRIES</u>			
	<u>Triangular Edge Trim, Movement Joints, Etc</u>			
8	" Triangular Edge Trim" or similar approved 10mm high aluminium trim bedded in tile adhesive while tiles are laid	m	400	
	Carried Forward to Summary of Section No. 4			
	Section No. 4 Bill No. 11 Tiling		KES	

Item No	SECTION NO 4 : MAIN BUILDING ALTERATIONS	Quantity	Rate	Amount
	<u>BILL NO 12</u>			
	<u>PAINTING</u>			
	<u>PAINTWORK ECT TO NEW WORK</u>			
	<u>ON INTERNAL FLOATED PLASTER SURFACES</u>			
	<u>Prepare, Stop And Apply Three Coats Of Anti Microbial Paint. Dulux Wash & Wear With Anti-Bac. Or Similar Approved. Colour To Be Approved.</u>			
1	Walls and columns	m2	762	
2	On ceilings and beams	m2	80	

	<u>ON METAL SURFACES</u>			
	<u>Prepare, Stop And Apply One Coat Alkyd Based Zinc Phosphate Primer And Two Coats Premium Quality Polyurethane Enamel Paint On Metal Members</u>			
3	Windows (both sides measured over full flat area)	m2	301	
4	Gates, grilles, burglar screens, balustrades, etc. (both sides measured over full flat area)	m2	20	
5	Metal sections, rails, pipes, etc not exceeding 300mm	m	5	

	<u>ON EXTERNAL FLOATED PLASTER SURFACES</u>			
	<u>Prepare, Stop And Apply One Coat Scaler, One Coat Undercoat And Two Coats Exterior Quality PVA Emulsion Paint Or Similar Approved. Colour To Be Approved.</u>			
6	Walls and columns	m2	204	
7	Ceilings and beams	m2	40	
	Carried Forward			
	Section No. 4 Bill No. 12 Painting			
				KES

Brought Forward

KES

PAINTWORK ECT TO EXISTING WORK

ON INTERNAL FLOATED PLASTER SURFACES

Prepare, Stop And Apply Three Coats Of Anti Microbial Paint. Dulux Wash & Wear With Anti-Bac. Or Similar Approved. Colour To Be Approved.

8	Walls and columns	m2	1 105
9	On ceilings and beams	m2	80

ON EXTERNAL FLOATED PLASTER SURFACES

Prepare, Stop And Apply One Coat Scaler, One Coat Undercoat And Two Coats Exterior Quality PVA Emulsion Paint Or Similar Approved. Colour To Be Approved.

10	Walls and columns	m2	420
11	Ceilings and beams	m2	40

Carried Forward to Summary of Section No. 4

KES

Section No. 4
 Bill No. 12
 Painting

SECTION SUMMARY - Main Building Alterations

Bill No		Page No	Amount
1	Alterations		
2	Earthwork		
3	Concrete, Formwork & Reinforcement		
4	Masonry		
5	Waterproofing		
6	Carpentry & Joinery		
7	Roof Coverings		
8	Metalworks		
9	Ironmongery		
10	Plastering		
11	Tiling		
12	Painting		
Carried to Final Summary			
Section No. 4			KES

Item No	Quantity	Rate	Amount
<p><u>SECTION NO 5 : NEW CHILLERS AREA</u></p>			
<p><u>BILL NO 1</u></p>			
<p><u>ALTERATIONS</u></p>			
<p><u>Supplementary Preambles</u></p>			
<p><u>General</u></p>			
<p>In taking down and removing existing work the utmost care shall be observed to prevent any structural or other damage to the remaining portions of the building and the Contractor shall provide all shoring, needling, strutting, etc. to ensure the stability of all structures during the alteration work.</p>			
<p>Special care shall be exercised during the progress of the works to ensure that any electrical installations, water pipes, telephone and other services which may be encountered are not interfered with and notice shall be given to the Principal Agent if any disconnection or alterations become necessary.</p>			
<p>Any water supply and other piping that may be encountered and which is found to be necessary to disconnect or cut shall, after such disconnection or cutting has been authorized by the Principal Agent, be effectively stopped off and any new connections that may be necessary made with proper tees, junction pieces, etc. to the satisfaction of the Principal Agent.</p>			
<p>Before submitting the tender the contractor shall visit the site and satisfy himself as to the nature and extend of the work to be done and the value of the materials contained in the building or portion of the building to be carefully removed by whatever means from site. No claims at any stage for whatever reason with respect to the nature and extend of the works or of inferior or damaged material will be entertained.</p>			
<p><u>Old Materials To Become The Property Of The Contractor</u></p>			
<p>Old materials from alterations, except where described to be re-used or handed over, become the property of the Contractor who may allow credit for same where provided for in these Bills of Quantities.</p>			
<p>Carried Forward</p>		KES	
<p>Section No. 5 Bill No. 1 Alterations</p>			

Brought Forward

KES

Old Materials To Be Carted Away

Old materials from the alterations, except where described to be re-used or handed over, as well as all rubbish, etc., must be regularly carted from the site and not be allowed to accumulate on or around the site.

Old Materials Not To Be Re-Used

None of the old materials are to be used for new work except where specifically described as being set aside for re-use.

Handing Over Of Materials

Where certain materials or articles from demolitions or alterations as described as to be "handed over" by the Contractor to the Principal Agent, such materials or articles shall be properly stored by the Contractor until handing over thereof. The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the Contractor fails to submit the receipt when requested, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Employer for the full replacement value thereof, which amount will be deducted from any monies due to the Contractor.

Disposal Of Debris Etc

The Contractor shall be responsible for the removal from site of all materials, debris and rubbish resulting from the work and is deemed to be included in the rates.

Size Pertaining To Existing Work

The Contractor is advised to take all dimensions affecting the existing building and he will be held solely responsible for the correctness of sizes of all new work.

All sizes given in relation to existing work are approximate.

Carried Forward

KES

Brought Forward

KES

Forming New Openings Or Altering Openings In Existing Walls

Descriptions of forming new openings or altering openings in existing walls shall be deemed to include breaking out for and building up new brickwork, in-situ concrete, precast lintels including all reinforcement, formwork, turning pieces, strutting, etc. the building up of reveals or portions of the openings as described with brickwork properly toothed and bonded to existing, building cavities of hollow walls solid where necessary and making good finishes all round on both sides and into reveals as described.

Building Up Of Openings

Descriptions of building up existing openings where given in number shall be deemed to include preparing existing services all round, brickwork properly toothed and bonded to existing, wedging up and making good on both sides as described.

Painting

Where plasterwork on walls, ceilings, etc. are required to be patched or made good, prices are deemed to include for the appropriate priming coat and one coat undercoat to receive paint finishing coats which are measured elsewhere, all in accordance to the relevant specification.

Demolition Of Structural Work

Breaking out and removal of any structural brickwork or concrete can only be done on the written instruction of the Engineer. The Contractor must allow the Engineer five (5) working days lead time to do the necessary inspections and issue of the relevant instructions.

Plastered Walls

Existing plastered walls to be repaired and smoothed down with "Exterior Grade" or similar approved Polyfilla where fixtures, fittings, skirtings, dado rails, tiling, wallpaper, etc removed

Carried Forward

KES

Brought Forward			KES
<u>REMOVAL OF EXISTING WORK</u>			
<u>Breaking Up And Removing Reinforced Concrete</u>			
1	Concrete Surfacebed	m3	2
2	Stripfootings	m3	3
3	Stairs	No	2
<u>Breaking Down And Removing Stone Block Walls, Etc</u>			
4	Existing stone block walls	m2	123
<u>Taking Out And Removing Doors And Remove From Site, Including Frames, Thresholds, Sills, Etc, And Preparing Opening For New</u>			
5	Double doors and frame not exceeding 5,0m ²	No	2
<u>Taking Up And Setting Aside Paving Blocks Including Removing River Sand Bed, Etc</u>			
6	Paving blocks	m2	317

<u>MAKING GOOD OF FINISHES, ETC</u>			
<u>Making Good Cement Screeds</u>			
7	Cast screeds to falls (average thickness 100mm)	m2	70
Carried Forward to Summary of Section No. 5			KES
Section No. 5			
Bill No. 1			
Alterations			

Item No	Quantity	Rate	Amount
<p><u>SECTION NO 5 : NEW CHILLERS AREA</u></p>			
<p><u>BILL NO 2</u></p>			
<p><u>EARTHWORKS</u></p>			
<p><u>Supplementary Preambles</u></p>			
<p><u>Nature Of Material To Be Excavated</u></p>			
<p>Descriptions of excavations shall be deemed to include all ground conditions classifiable as "earth" or "ground" and/or filling compacted to 95% Modified AASHTO density. Where conditions of a more difficult character are indicated, these are measured separately.</p>			
<p><u>Excavations</u></p>			
<p>Descriptions of excavations shall be deemed to include for increase in bulk and multiple handling of excavated material caused by the Contractor's method of operation.</p>			
<p><u>Carting Away Excavated Material</u></p>			
<p>Descriptions of carting away of excavated materials shall be deemed to include the breaking down of oversized materials including materials of a more difficult character complete including the loading of such excavated materials onto trucks directly from the excavations or, alternatively, from stockpiles situated on the site</p>			
<p><u>G7 - Material (Specification)</u></p>			
<p>G7 Sub-Base Material is used as filling and a base coarse under roads and paving. This material may contain approved natural fines not obtained from parent rock. The nominal maximum size for uncrushed material is 2/3 of the compacted layer and for crushed material 74mm.</p>			
<p>Carried Forward</p>		<p>KES</p>	
<p>Section No. 5 Bill No. 2 Earthworks</p>			

Brought Forward

KES

Working Space

Working space for formwork to sides of all concrete, except columns, shall be measured only where the concrete face is less than 750mm from the face of the measured excavations AND only where formwork is specifically specified as a requirement by the Engineer.

No claim shall be considered for any working space for formwork to concrete other than above described or for working space beyond the sides of trench excavations for the building of brick walls.

Descriptions of excavations for working space shall be deemed to include for any additional risk of collapse so incurred and for returning and compacting of the excavated material so described.

SITE CLEARANCE ECT

Site Clearance

1	Clear, strip, grub, dig up, etc. and remove from site to a dumping site to be found by the Contractor all rubble, rubbish, plant material, trees of girth up to 1m measured 1m above ground complete including total haul	m2	555
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TOPSOIL REMOVAL

Excavate And Remove Topsoil To A Nominal Depth Of 100mm And

2	Stockpile selected topsoil free from plant roots on site to be available for paved roads including total haul	m3	51
3	Remove from site to a dump site to be found by the contractor including total haul not exceeding 1km away	m3	51

Carried Forward

KES

Brought Forward		KES
<u>BULK EXCAVATIONS, FILLING, ECT</u>		
<u>Excavate In All Materials For Reduced Levels To Ordered Depths Over Sloping Site And</u>		
4	Backfill and recompact (cut to fill) approved material in 150mm thick layers to 95% Mod AASHTO density in bulk earthworks platform including total haul	m3 103
<u>Extra Over Bulk Excavations In Earth For Excavations In</u>		
5	Soft rock	m3 10
6	Hard rock	m3 5

<u>IMPORTING OF MATERIALS FOR FILLING,ETC</u>		
<u>Selected Clean Earth Filling Supplied By The Contractor Obtained From The Commercial Sources Including Total Haul</u>		
7	Filling under surfacebeds, paving areas, building platforms, etc. of selected minimum G5 materials to make up levels and compact in layers not exceeding 150mm thick to minimum 95% Mod AASHTO density	m3 555

<u>EXCAVATIONS, FILLING, ETC OTHER THAN BULK</u>		
<u>EXCAVATIONS</u>		
<u>Excavate In Earth Or Compacted Earth Filling Not Exceeding 1.5m Deep Below Natural, Reduced Or Elevated Level And Stockpile On Site</u>		
8	Foundation trenches and bases	m3 270
Carried Forward		KES
Section No. 5 Bill No. 2 Earthworks		

Brought Forward			KES
<u>EXCAVATIONS OF A MORE DIFFICULT CHARACTER</u>			
<u>Extra Over Excavations In Earth For Excavations In</u>			
9	Soft rock	m3	27
10	Hard rock	m3	14
<u>MAINTENANCE OF EXCAVATIONS</u>			
<u>Extra Over All Excavations For The Loading And Carting Away Of</u>			
11	Surplus material from excavations and/or stock piles on site to a dumping site not exceeding 1km from site	m3	49
<u>Risk Of Collapse Of Excavations</u>			
12	Allow for risk of collapse to sides of trench and hole excavations exceeding 1500mm and not exceeding 3000mm deep	m2	551
<u>Keeping Excavations Free From Water</u>			
13	Allow for keeping all excavations free from water, mud, etc. by baling, pumping or other approved means, including the provision of all necessary pumps, plumbing, etc.		Item
<u>FILLING, ETC.</u>			
<u>Note:</u> All filling, whether obtained from the stockpiles or an outside source, must be approved by the Engineer			
<u>Selected Clean Earth Filling Obtained From The Excavations And/Or Prescribed Stockpiles On Site Compacted In Maximum 150mm Thick Layers To 93% Mod AASHTO Density</u>			
14	Filling under footings as foundation improvement to trenches, etc.	m3	80
Carried Forward			KES
Section No. 5 Bill No. 2 Earthworks			

Brought Forward		KES
<u>Selected Clean Earth Filling Supplied By The Contractor Obtained From The Commercial Sources Including Total Haul</u>		
15	Filling under surfacebeds, etc. of selected minimum G7 materials to make up levels and compact in layers not exceeding 150mm thick to minimum 95% Mod AASHTO density	m3 48
<u>Compaction Of Surfaces</u>		
16	Compaction of ground surfaces under solid floors by scarifying to a depth of 150mm, breaking down oversized material, adding suitable material where necessary and compacting to 93% Mod AASHTO density.	m2 317
<u>Prescribed Density Tests On Filling</u>		
17	Modified AASHTO density test -----	No 10
<u>SOIL POISONING</u>		
<u>Approved Soil Insecticide Mixed And Applied In Strict Accordance To Manufacturers Instructions</u>		
18	Soil poisoning of surface of ground or filling under solid floors, steps, etc. including raking out 75mm deep V-shaped furrows against the walls, etc. treating with poison solution, backfilling of furrows and ramming.	m2 317
19	Soil poisoning to foundation walls, etc. treating with poison solution	m2 584
Carried Forward to Summary of Section No. 5		KES
Section No. 5 Bill No. 2 Earthworks		

Item No	<u>SECTION NO 5 : NEW CHILLERS AREA</u>	Quantity	Rate	Amount
	<u>BILL NO 3</u>			
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	<u>Supplementary Preambles</u>			
	<u>Cost Of Tests</u>			
	<p>The cost of making, storing and testing of concrete test cubes as required and shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Principal Agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval by the Principal Agent. Only successful tests will be paid for. (Test cubes are measured separately).</p>			
	<u>Rates</u>			
	<p>The rates for all concrete are to include for transporting, handling and depositing (by hoisting or lowering) in the formwork or ground and for working, vibrating and packing around reinforcement and striking off and curing.</p>			
	<u>Formwork</u>			
	<p>Description of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use</p> <p>-----</p>			
	<u>REINFORCED CONCRETE</u>			
	<u>25MPa/19mm Concrete Cast Against Excavated Surfaces</u>			
1	Strip footings	m3	49	
	Carried Forward		KES	
	<p>Section No. 5 Bill No. 3 Concrete, Formwork & Reinforcement</p>			

Brought Forward			KES
<u>30MPa/19mm Concrete Cast Against Excavated Surfaces</u>			
2	Surface beds cast in panels on plastic sheeting	m3	49
<u>30MPa/19mm Concrete Cast Against Formwork</u>			
3	Slabs including beams, inverted beams, upstand beams, etc	m3	10
4	Stairs including landings, beams and inverted beams, ect	m3	3
<u>CONCRETE SUNDRIES</u>			
<u>Finishing Top Surfaces Of Concrete Smooth With A Wood Float</u>			
5	Surface beds, slabs, etc	m2	317
<u>Cast In Items</u>			
6	Take delivery, temporary store and cast in exact position set of four (4) holding down bolts into top of concrete columns, bases, etc including all necessary tolerance pockets, formwork, bending of reinforcement, etc complete	Sets	26
<u>Non-Shrink Grout</u>			
7	"Samson" or other approved bedding under baseplates and holding down bolts, including all necessary ramming, clearing, formwork, and chamfered edge finishes, etc	m3	0.1
<u>Dowel Bars</u>			
8	Drill 15mm Dia x 150mm deep holes in reinforced concrete and epoxy grout with " ABE - Epidermix 396 " or similar approved grout into position Y12 x 800mm long dowel bar (measured elsewhere) leaving other end exposed ready to cast in to concrete at later stage.	No	503
<u>Test Cubes</u>			
9	Making concrete strength test cubes size 150 x 150 x 150mm, sending them to an approved independent testing laboratory for testing and paying all charges in connection therewith.	Sets	3
Carried Forward			KES
Section No. 5			
Bill No. 3			
Concrete, Formwork & Reinforcement			

Brought Forward			KES
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>			
<u>Rough Formwork To Sides Of</u>			
10	Edges, risers, ends, steps, ect not exceeding 300mm high.	m	72
<u>To Sides And Soffits Of</u>			
11	Beams propped up exceeding 3,5 and not exceeding 5,0m high	m2	80
<u>Formwork To Form</u>			
12	110mm Diameter opening in concrete slab not exceeding 300mm thick	No	11

<u>MOVEMENT JOINTS ETC</u>			
<u>Saw Cut Joints Approved Joint Filler Vertical Between Concrete/Brick And/Or Steel Surfaces Complete All As Per Engineers Details And Specifications</u>			
13	Cut saw joints 3mm wide x 40 deep in top of concrete floor and ream joint to 10mm x 25 deep	m	345

<u>REINFORCEMENT</u>			
<u>Mild Steel Bar Reinforcement To Structural Concrete</u>			
14	Various diameter bars	t	0.92
<u>High Tensile Steel Bar Reinforcement To Structural Concrete</u>			
15	Various diameter bars	t	3.71
<u>Fabric Mesh Reinforcement</u>			
16	Type reference 311 in surface beds laid with minimum 300mm laps (measured nett)	m2	317
Carried Forward to Summary of Section No. 5			KES
Section No. 5			
Bill No. 3			
Concrete, Formwork & Reinforcement			

Item No		Quantity	Rate	Amount
	<u>SECTION NO 5 : NEW CHILLERS AREA</u>			
	<u>BILL NO 4</u>			
	<u>BRICKWORK</u>			
	<u>Supplementary Preambles</u>			
	<u>Sizes In Descriptions</u>			
	Where referred to blocks, the size of blocks shall be standard commercially to that which is commercially available Width as per specification			
	<u>Cavity Walls</u>			
	Descriptions of cavity walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole.			
	Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats "Brixeal" bitumen emulsion waterproofing coating.			

	<u>STONE BLOCK WALLS</u>			
	<u>Stone Block Walls In Class II Cement Mortar</u>			
	<u>Foundations</u>			
1	Construct 200mm wall in foundations with solid block bricks, 10MPa mortar	m2	152	

	<u>BRICKWORK SUNDRIES</u>			
	<u>Bagging Of 1:3 Cement And Sand Slurry Mixture</u>			
2	On brick walls, piers, etc	m2	152	
	Carried Forward		KES	
	Section No. 5 Bill No. 4 Masonry			

Brought Forward

KES

Galvanised Reinforcement With Minimum 100mm Laps At Joints and Angles (Measured Nett)

3	Brickforce suitable for 200mm wide stone block walls	m	542
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Carried Forward to Summary of Section No. 5

KES

Section No. 5
Bill No. 4
Masonry

Item No		Quantity	Rate	Amount
	<u>SECTION NO 5 : NEW CHILLERS AREA</u>			
	<u>BILL NO 5</u>			
	<u>WATERPROOFING</u>			
	<u>Supplementary Preambles</u>			
	<u>Descriptions</u>			
	Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs.			

	<u>DAMPPROOFING TO WALLS</u>			
	<u>One Layer Of 375 Micron "Consol Plastics Brickgrip DPC" Or Other Approved Polyethylene Sheeting</u>			
1	DPC to walls and cills	m2	32	
	<u>DAMPPROOFING UNDER FLOORS</u>			
	<u>One Layer Of 250 Micron "Consol Plastics Gunplas USB Green" Or Other Approved Polyethylene Sheeting Sealed At Joints In Strict Accordance With The Manufacturer's Instructions</u>			
2	Under surface beds including all necessary turn-ups and overlaps (measured nett)	m2	317	
	<u>JOINT SEALANTS</u>			
	<u>Joint Sealant, Rake Out Joint Filler To 20mm Depth And Insert Polythene Foam Backing Cord, Prime With "Epidermix 317" Or Similar Approved And Apply "Dow Coring 813 Silicon Sealant" Or Similar Approved Polysulphide Sealant</u>			
3	10 x 10mm Joints	m	345	
	Carried Forward to Summary of Section No. 5			KES
	Section No. 5			
	Bill No. 5			
	Waterproofing			

Item No	<u>SECTION NO 5 : NEW CHILLERS AREA</u>	Quantity	Rate	Amount
	<u>BILL NO 6</u>			
	<u>ROOF COVERINGS</u>			
	<u>Supplementary Preambles</u>			
	<u>Scope Of Work</u>			
	Tenderers are invited to tender on the basis of their specialist knowledge of this type of work and therefor has to do their own investigations and enquiries as to the full extent of the work required. The drawings included within this tender are not intended to define the exact scope of work but to assist the tenderers in the pricing process.			
	<u>ROOF INSULATION</u>			
	<u>"Sisalation" Insulation</u>			
1	"Sisalation 410" or similar approved reflective foil insulation with reinforced with fibreglass and flame retardant additives to the total roof area all in accordance with manufacturer's specifications	m2	380	
	<u>ROOF SHEETING</u>			
	<u>Design, Supply, Deliver And Install " IBR " 0.58mm Thick Galvanised Roof Sheeting On Timber Purlins Fixed To Timber Rafters To Engineers' Details, Including All Necessary Fixing Clips, Etc. Complete, All In Strict Accordance With The Manufacturer's Instructions</u>			
2	Roof covering to roof pitch as shown in transportable lengths as required, to the <u>roof</u>	m2	380	
3	Extra over roof sheeting for bullnose	m2	125	
4	Raking cutting and waste	m	78	
	Carried Forward			KES
	Section No. 5 Bill No. 6 Roof Coverings			

Brought Forward			KES
<u>FLASHING, ETC</u>			
<u>Design, Supply, Deliver And Install Light Industrial Galvanised Flashings To Match Sheeting Complete Including All Necessary Fixing Clips, Etc. All In Strict Accordance With The Manufacturer's Instructions</u>			
5	Ridge cap girth 462mm	m	16
6	Gable trim girth 460mm	m	47
7	External corner trim girth 308mm	m	78
8	Internal corner trim girth 308mm	m	78

<u>RAINWATER DISPOSAL</u>			
<u>Pre-Coated Zinalume Seamless Gutter, Overall Size 150 x 100 x 0,5mm Thick In Colour To Match Roof Sheeting Including Matching Rivet-Fixed Mitres And End Caps Internally Sealed Using Silicon Mastic, Hung By Nail Fixed Internal Aluminium Hangers At 800mm Centres With Rectangular Fluted Downpipes, Size 100 x 75 x 0,5mm Thick In Colour To Match Roof Sheeting Fixed To Walls With Pre-Painted Downpipe Cleats Using Nail-In Anchor Fixings</u>			
9	150 x 100mm Eaves gutters	m	31
10	Extra over for outlet for 100 x 75mm pipe	No	10
11	100 x 75mm Rainwater downpipes	m	55
12	Extra over pipe for shoe	No	10
13	Extra over pipe for bend	No	10
14	Extra over pipe for eaves or plinth offset 600mm projection	No	10
Carried Forward to Summary of Section No. 5			KES
Section No. 5			
Bill No. 6			
Roof Coverings			

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO 5 : NEW</u></p> <p><u>CHILLERS AREA BILL NO 7</u></p> <p><u>METALWORK</u></p> <p><u>Supplementary Preambles</u></p> <p><u>Descriptions</u></p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete.</p> <p>Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described.</p> <p>-----</p> <p><u>SUNDRY METALWORKS</u></p> <p><u>PC Allowances</u></p> <p><u>Structural Steel Portal Frame</u></p>			
1	<p>Provide the sum of KES 3,300,000.00 (Three Million Three Hundred Thousand Kenyan Shilling) for the supply and installation of <u>Structural Steel Portal Frame</u> complete</p>	Item		3 300 000.00
	<p>Carried Forward to Summary of Section No. 5 KES</p>			
	<p>Section No. 5 Bill No. 7 Metalworks</p>			

Item No		Quantity	Rate	Amount
	<u>SECTION NO 5 : NEW CHILLERS AREA</u>			
	<u>BILL NO 8</u>			
	<u>IRONMONGERY</u>			
	<u>Supplementary Preambles</u>			
	<u>Fixing</u>			
	Where ironmongery is described as plugged or fixed, prices are to include for screwing to and including approved patent plugs in concrete or brickwork with plastered or tiled finish.			

	<u>FIRE SIGNAGE</u>			
	<u>Supply And Install Fire Signage</u>			
1	Photoluminescent "EXIT" signage, size 300 x 150mm in certified ABS plastic, with natural anodised aluminium frame, mounted against wall with non-corrosive screws against wall surface above door frame. Colour: White panel with red border-line, and red pictogram complete	No	10	
2	Photoluminescent double sided "FIRE CABINET" signage, size 450 x 150mm in certified ABS plastic, with natural anodised aluminium frame, mounted against wall with non-corrosive screws against wall surface above fire cabinet. Colour: White panel with red border-line, and red pictogram complete	No	2	
3	Photoluminescent "FIRE EXTINGUISHER" signage, size 300 x 150mm in certified ABS plastic, with natural anodised aluminium frame, drilled, plugged and fixed with non-corrosive screws against wall surface above fire extinguisher. Colour: White panel with red border-line, and red pictogram complete	No	4	
	Carried Forward to Summary of Section No. 5			
	Section No. 5		KES	
	Bill No. 8			
	Ironmongery			

Item No		Quantity	Rate	Amount
	<u>SECTION NO 5 : NEW CHILLERS AREA</u>			
	<u>BILL NO 9</u>			
	<u>PLASTERING</u>			
	<u>SCREEDS</u>			
	<u>1:4 Cement Plaster Screeds Wood Floated On Concrete</u>			
1	25mm Thick on floors and landings (Terrazzo Floor)	m2	317	
2	125 x 125mm triangular covings against walls, etc. (see coving details)	m	192	
3	Extra over triangular covings at corners, etc.	No	61	

	<u>INTERNAL PLASTER</u>			
	<u>One Coat Internal Cement Plaster Steel Floated On Brickwork</u>			
4	Extra over rounded edges of internal corners	m	76	
	Carried Forward to Summary of Section No. 5			KES
	Section No. 5			
	Bill No. 9			
	Plastering			

Item No	<u>SECTION NO 5 : NEW CHILLERS AREA</u>	Quantity	Rate	Amount
	<u>BILL NO 10</u>			
	<u>TILING</u>			
	<u>LAY, BED AND GROUT FLOOR TILES COMPLETE (INSTALLATION ONLY)</u>			
	Cost of the installation(only) of imported tiles (Supply of tiles measured elsewhere) with approved adhesive On Screed (Screed Elsewhere Measured)			
	With Straight Continuous Joints In Both Directions, Pointed In Approved Tinted Epoxy Tile Grouting(measured elsewhere), Including All Necessary Cutting And Waste, Cutting And Fitting Around Plumbing, Protection From Damage And Cleaning Down On Completion			
1	On floors	m2	317	
2	On narrow widths (Floors)	m2	3	
3	100mm tiles laid on triangular covings against walls to floor junctions	m	192	
4	100mm tiles laid on triangular covings at corners of wall junctions	m	61	
5	On walls	m2	35	
6	On narrow widths (Walls)	m2	2	
7	Extra over corner tiles at 45 degree angle against walls	m	22	
	<u>SUNDRIES</u>			
	<u>Triangular Edge Trim, Movement Joints, Etc</u>			
8	" Triangular Edge Trim" or similar approved 10mm high aluminium trim bedded in tile adhesive while tiles are laid	m	19	
	Carried Forward to Summary of Section No. 5			KES
	Section No. 5 Bill No. 10 Tiling			

Item No		Quantity	Rate	Amount
	<u>SECTION NO 5 : NEW CHILLERS AREA</u>			
	<u>BILL NO 11</u>			
	<u>PAINTING</u>			
	<u>PAINTWORK ECT TO NEW WORK</u>			
	<u>ON METAL SURFACES</u>			
	<u>Prepare, Stop And Apply One Coat Alkyd Based Zinc Phosphate Primer And Two Coats Premium Quality Polyurethane Enamel Paint On Metal Members</u>			
1	Gates, grilles, burglar screens, balustrades, etc. (both sides measured over full flat area)	m2	20	
2	Metal sections, rails, pipes,etc not exceeding 300mm	m	5	
	<u>ON EXTERNAL FLOATED PLASTER SURFACES</u>			
	<u>Prepare, Stop And Apply One Coat Scaler, One Coat Undercoat And Two Coats Exterior Quality PVA Emulsion Paint Or Similar Approved. Colour To Be Approved.</u>			
3	Walls and columns -----	m2	95	
	<u>PAINTWORK ECT TO EXISTING WORK</u>			
	<u>ON INTERNAL FLOATED PLASTER SURFACES</u>			
	<u>Prepare, Stop And Apply Three Coats Of Anti Microbial Paint. Dulux Wash & Wear With Anti-Bac. Or Similar Approved. Colour To Be Approved.</u>			
4	Walls and columns	m2	35	
	Carried Forward to Summary of Section No. 5			KES
	Section No. 5 Bill No. 11 Painting			

SECTION SUMMARY - New Chillers Additions

Bill No

- 1 Alterations
- 2 Earthworks
- 3 Concrete, Formwork & Reinforcement
- 4 Masonry
- 5 Waterproofing
- 6 Roof Coverings
- 7 Metalworks
- 8 Ironmongery
- 9 Plastering
- 10 Tiling
- 11 Painting

Page No

Amount

Carried to Final Summary

KES

Section No. 5

Item No	Quantity	Rate	Amount
<p><u>SECTION NO 6 : DEBONING & BOXING ALTERATIONS</u></p>			
<p><u>BILL NO 1</u></p>			
<p><u>ALTERATIONS</u></p>			
<p><u>Supplementary Preambles</u></p>			
<p><u>General</u></p>			
<p>In taking down and removing existing work the utmost care shall be observed to prevent any structural or other damage to the remaining portions of the building and the Contractor shall provide all shoring, needling, strutting, etc. to ensure the stability of all structures during the alteration work.</p>			
<p>Special care shall be exercised during the progress of the works to ensure that any electrical installations, water pipes, telephone and other services which may be encountered are not interfered with and notice shall be given to the Principal Agent if any disconnection or alterations become necessary.</p>			
<p>Any water supply and other piping that may be encountered and which is found to be necessary to disconnect or cut shall, after such disconnection or cutting has been authorized by the Principal Agent, be effectively stopped off and any new connections that may be necessary made with proper tees, junction pieces, etc. to the satisfaction of the Principal Agent.</p>			
<p>Before submitting the tender the contractor shall visit the site and satisfy himself as to the nature and extend of the work to be done and the value of the materials contained in the building or portion of the building to be carefully removed by whatever means from site. No claims at any stage for whatever reason with respect to the nature and extend of the works or of inferior or damaged material will be entertained.</p>			
<p><u>Old Materials To Become The Property Of The Contractor</u></p>			
<p>Old materials from alterations, except where described to be re-used or handed over, become the property of the Contractor who may allow credit for same where provided for in these Bills of Quantities.</p>			
<p>Carried Forward</p>		KES	
<p>Section No. 6 Bill No. 1 Alterations</p>			

Brought Forward

KES

Old Materials To Be Carted Away

Old materials from the alterations, except where described to be re-used or handed over, as well as all rubbish, etc., must be regularly carted from the site and not be allowed to accumulate on or around the site.

Old Materials Not To Be Re-Used

None of the old materials are to be used for new work except where specifically described as being set aside for re-use.

Handing Over Of Materials

Where certain materials or articles from demolitions or alterations as described as to be "handed over" by the Contractor to the Principal Agent, such materials or articles shall be properly stored by the Contractor until handing over thereof. The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the Contractor fails to submit the receipt when requested, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Employer for the full replacement value thereof, which amount will be deducted from any monies due to the Contractor.

Disposal Of Debris Etc

The Contractor shall be responsible for the removal from site of all materials, debris and rubbish resulting from the work and is deemed to be included in the rates.

Size Pertaining To Existing Work

The Contractor is advised to take all dimensions affecting the existing building and he will be held solely responsible for the correctness of sizes of all new work.

All sizes given in relation to existing work are approximate.

Carried Forward

KES

Brought Forward

KES

Forming New Openings Or Altering Openings In Existing Walls

Descriptions of forming new openings or altering openings in existing walls shall be deemed to include breaking out for and building up new brickwork, in-situ concrete, precast lintels including all reinforcement, formwork, turning pieces, strutting, etc. the building up of reveals or portions of the openings as described with brickwork properly toothed and bonded to existing, building cavities of hollow walls solid where necessary and making good finishes all round on both sides and into reveals as described.

Building Up Of Openings

Descriptions of building up existing openings where given in number shall be deemed to include preparing existing services all round, brickwork properly toothed and bonded to existing, wedging up and making good on both sides as described.

Painting

Where plasterwork on walls, ceilings, etc. are required to be patched or made good, prices are deemed to include for the appropriate priming coat and one coat undercoat to receive paint finishing coats which are measured elsewhere, all in accordance to the relevant specification.

Demolition Of Structural Work

Breaking out and removal of any structural brickwork or concrete can only be done on the written instruction of the Engineer. The Contractor must allow the Engineer five (5) working days lead time to do the necessary inspections and issue of the relevant instructions.

Plastered Walls

Existing plastered walls to be repaired and smoothed down with "Exterior Grade" or similar approved Polyfilla where fixtures, fittings, skirtings, dado rails, tiling, wallpaper, etc removed

Carried Forward

KES

Brought Forward			KES
<u>REMOVAL OF EXISTING WORK</u>			
<u>Breaking Up And Removing Reinforced Concrete</u>			
1	Concrete Surfacebed	m3	2
2	Stripfootings	m3	4
3	Columns	m3	4
4	Beams	m3	4
<u>Breaking Down And Removing Stone Block Walls, Etc</u>			
5	Existing stone block walls	m2	155
<u>Taking Out And Removing Doors And Remove From Site, Including Frames, Thresholds, Sills, Etc, And Preparing Opening For New</u>			
6	Single doors and frame not exceeding 2,5m ²	No	1
7	Double doors and frame not exceeding 5,0m ²	No	1
8	Sliding doors and frame not exceeding 10,0m ²	No	3

<u>CUTTING THROUGH FLOORS AND CEILINGS</u>			
<u>Cutting through</u>			
9	150mm Thick reinforced concrete surfacebed 300mm wide concrete footing complete including removing concrete from site and making good concrete on both sides of new walls	m	51
10	150mm Thick reinforced concrete surfacebed 200mm wide for drainage complete including removing concrete from site (new concrete surfacebed measured elsewhere)	m	87
Carried Forward			KES
Section No. 6 Bill No. 1 Alterations			

Brought Forward			KES
<u>MAKING GOOD OF FINISHES, ETC</u>			
<u>Making Good Cement Screeds</u>			
11	Cast screeds to falls (average thickness 100mm)	m2	195
12	200mm Thick screeds to floors not exceeding 300mm wide where stone block walls are removed	m	52
<u>Making Good Internal Cement Plaster</u>			
13	Walls in patches	m2	568
<u>Making Good Windows</u>			
14	Replacing glazing to windows including putty and gaskets (painting measured))	m2	150
Carried Forward to Summary of Section No. 6			KES
Section No. 6			
Bill No. 1			
Alterations			

Item No	Quantity	Rate	Amount
<p><u>SECTION NO 6 : DEBONING & BOXING ALTERATIONS</u></p>			
<p><u>BILL NO 2</u></p>			
<p><u>EARTHWORKS</u></p>			
<p><u>Supplementary Preambles</u></p>			
<p><u>Nature Of Material To Be Excavated</u></p>			
<p>Descriptions of excavations shall be deemed to include all ground conditions classifiable as "earth" or "ground" and/or filling compacted to 95% Modified AASHTO density. Where conditions of a more difficult character are indicated, these are measured separately.</p>			
<p><u>Excavations</u></p>			
<p>Descriptions of excavations shall be deemed to include for increase in bulk and multiple handling of excavated material caused by the Contractor's method of operation.</p>			
<p><u>Carting Away Excavated Material</u></p>			
<p>Descriptions of carting away of excavated materials shall be deemed to include the breaking down of oversized materials including materials of a more difficult character complete including the loading of such excavated materials onto trucks directly from the excavations or, alternatively, from stockpiles situated on the site</p>			
<p><u>G7 - Material (Specification)</u></p>			
<p>G7 Sub-Base Material is used as filling and a base coarse under roads and paving. This material may contain approved natural fines not obtained from parent rock. The nominal maximum size for uncrushed material is 2/3 of the compacted layer and for crushed material 74mm.</p>			
<p>Carried Forward</p>		<p>KES</p>	
<p>Section No. 6 Bill No. 2 Earthworks</p>			

Brought Forward

KES

Working Space

Working space for formwork to sides of all concrete, except columns, shall be measured only where the concrete face is less than 750mm from the face of the measured excavations AND only where formwork is specifically specified as a requirement by the Engineer.

No claim shall be considered for any working space for formwork to concrete other than above described or for working space beyond the sides of trench excavations for the building of brick walls.

Descriptions of excavations for working space shall be deemed to include for any additional risk of collapse so incurred and for returning and compacting of the excavated material so described.

EXCAVATIONS, FILLING, ETC OTHER THAN BULK

EXCAVATIONS

Excavate In Earth Or Compacted Earth Filling Not Exceeding 1.5m Deep Below Natural, Reduced Or Elevated Level And Stockpile On Site

1	Foundation trenches and bases	m3	10
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EXCAVATIONS OF A MORE DIFFICULT CHARACTER

Extra Over Excavations In Earth For Excavations In

2	Soft rock	m3	1
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3	Hard rock	m3	1
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MAINTENANCE OF EXCAVATIONS

Risk Of Collapse Of Excavations

4	Allow for risk of collapse to sides of trench and hole excavations exceeding 1500mm and not exceeding 3000mm deep	m2	33
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Carried Forward

KES

Section No. 6
 Bill No. 2
 Earthworks

Brought Forward			KES
<u>Keeping Excavations Free From Water</u>			
5	Allow for keeping all excavations free from water, mud, etc. by baling, pumping or other approved means, including the provision of all necessary pumps, plumbing, etc.	Item	
<u>FILLING, ETC.</u>			
<u>Note:</u> All filling, whether obtained from the stockpiles or an outside source, must be approved by the Engineer			
<u>Selected Clean Earth Filling Obtained From The Excavations And/Or Prescribed Stockpiles On Site Compacted In Maximum 150mm Thick Layers To 93% Mod AASHTO Density</u>			
6	Filling under footings as foundation improvement to trenches, etc.	m3	10
<u>Compaction Of Surfaces</u>			
7	Compaction of ground surfaces under solid floors by scarifying to a depth of 150mm, breaking down oversized material, adding suitable material where necessary and compacting to 93% Mod AASHTO density.	m2	20
<u>Prescribed Density Tests On Filling</u>			
8	Modified AASHTO density test -----	No	1
<u>SOIL POISONING</u>			
<u>Approved Soil Insecticide Mixed And Applied In Strict Accordance To Manufacturers Instructions</u>			
9	Soil poisoning of surface of ground or filling under solid floors, steps, etc. including raking out 75mm deep V-shaped furrows against the walls, etc. treating with poison solution, backfilling of furrows and ramming.	m2	20
10	Soil poisoning to foundation walls, etc. treating with poison solution	m2	33
Carried Forward to Summary of Section No. 6			KES
Section No. 6 Bill No. 2 Earthworks			

Item No	<u>SECTION NO 6 : DEBONING & BOXING ALTERATIONS</u>	Quantity	Rate	Amount
	<u>BILL NO 3</u>			
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	<u>Supplementary Preambles</u>			
	<u>Cost Of Tests</u>			
	<p>The cost of making, storing and testing of concrete test cubes as required and shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Principal Agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval by the Principal Agent. Only successful tests will be paid for. (Test cubes are measured separately).</p>			
	<u>Rates</u>			
	<p>The rates for all concrete are to include for transporting, handling and depositing (by hoisting or lowering) in the formwork or ground and for working, vibrating and packing around reinforcement and striking off and curing.</p>			
	<u>Formwork</u>			
	<p>Description of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use</p> <p>-----</p>			
	<u>REINFORCED CONCRETE</u>			
	<u>30MPa/19mm Concrete Cast Against Excavated Surfaces</u>			
1	Surface beds cast in panels on plastic sheeting	m3	3	
	Carried Forward		KES	
	<p>Section No. 6 Bill No. 3 Concrete, Formwork & Reinforceent</p>			

Brought Forward		KES
<u>CONCRETE SUNDRIES</u>		
<u>Finishing Top Surfaces Of Concrete Smooth With A Wood Float</u>		
2	Surface beds, slabs, etc	m2 20
<u>Dowel Bars</u>		
3	Drill 15mm Dia x 150mm deep holes in reinforced concrete and epoxy grout with " ABE - Epidermix 396 " or similar approved grout into position Y12 x 800mm long dowel bar (measured elsewhere) leaving other end exposed ready to cast in to concrete at later stage.	No 165
<u>Test Cubes</u>		
4	Making concrete strength test cubes size 150 x 150 x 150mm, sending them to an approved independent testing laboratory for testing and paying all charges in connection therewith.	Sets 1

<u>MOVEMENT JOINTS ETC</u>		
<u>Saw Cut Joints Approved Joint Filler Vertical Between Concrete/Brick And/Or Steel Surfaces Complete All As Per Engineers Details And Specifications</u>		
5	Cut saw joints 3mm wide x 40 deep in top of concrete floor and ream joint to 10mm x 25 deep	m 66

<u>REINFORCEMENT</u>		
<u>Fabric Mesh Reinforcement</u>		
6	Type reference 311 in surface beds laid with minimum 300mm laps (measured nett)	m2 29
Carried Forward to Summary of Section No. 6		KES
Section No. 6		
Bill No. 3		
Concrete, Formwork & Reinforceent		

Item No	<u>SECTION NO 6 : DEBONING & BOXING ALTERATIONS</u>	Quantity	Rate	Amount
	<u>BILL NO 4</u>			
	<u>BRICKWORK</u>			
	<u>Supplementary Preambles</u>			
	<u>Sizes In Descriptions</u>			
	Where referred to blocks, the size of blocks shall be standard commercially to that which is commercially available Width as per specification			
	<u>Cavity Walls</u>			
	Descriptions of cavity walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole.			
	Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats "Brixial" bitumen emulsion waterproofing coating.			
	<u>STONE BLOCK WALLS</u>			
	<u>Stone Block Walls In Class II Cement Mortar</u>			
	<u>Foundations</u>			
1	Construct 200mm wall in foundations with solid block bricks, 10MPa mortar	m2	6	
	<u>Super Structure</u>			
2	Construct 200mm wall in superstructure with hollow block bricks, 10MPa mortar	m2	17	
3	Construct 200mm wall in foundations with solid block bricks, 10MPa mortar	m2	17	
	Carried Forward		KES	
	Section No. 6 Bill No. 4 Masonry			

Brought Forward

KES

BRICKWORK SUNDRIES

Bagging Of 1:3 Cement And Sand Slurry Mixture

4	On brick walls, piers, etc	m2	6
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Galvanised Reinforcement With Minimum 100mm Laps At Joints and Angles (Measured Nett)

5	Brickforce suitable for 200mm wide stone block walls	m	130
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Carried Forward to Summary of Section No. 6

KES

Section No. 6
 Bill No. 4
 Masonry

Item No	<u>SECTION NO 6 : DEBONING & BOXING ALTERATIONS</u>	Quantity	Rate	Amount
	<u>BILL NO 5</u>			
	<u>WATERPROOFING</u>			
	<u>Supplementary Preambles</u>			
	<u>Descriptions</u>			
	Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs. -----			
	<u>DAMPPROOFING TO WALLS</u>			
	<u>One Layer Of 375 Micron "Consol Plastics Brickgrip DPC" Or Other Approved Polyethylene Sheeting</u>			
1	DPC to walls and cills	m2	1	
	<u>DAMPPROOFING UNDER FLOORS</u>			
	<u>One Layer Of 250 Micron "Consol Plastics Gunplas USB Green" Or Other Approved Polyethylene Sheeting Sealed At Joints In Strict Accordance With The Manufacturer's Instructions</u>			
2	Under surface beds including all necessary turn-ups and overlaps (measured nett)	m2	29	
	<u>JOINT SEALANTS</u>			
	<u>Joint Sealant, Rake Out Joint Filler To 20mm Depth And Insert Polythene Foam Backing Cord, Prime With "Epidermix 317" Or Similar Approved And Apply "Dow Coring 813 Silicon Sealant" Or Similar Approved Polysulphide Sealant</u>			
3	10 x 10mm Joints	m	66	
	Carried Forward to Summary of Section No. 6			KES
	Section No. 6 Bill No. 5 Waterproofing			

Item No	<u>SECTION NO 6 : DEBONING & BOXING ALTERATIONS</u>	Quantity	Rate	Amount
	<u>BILL NO 6</u>			
	<u>ROOF COVERINGS</u>			
	<u>Supplementary Preambles</u>			
	<u>Scope Of Work</u>			
	Tenderers are invited to tender on the basis of their specialist knowledge of this type of work and therefor has to do their own investigations and enquiries as to the full extent of the work required. The drawings included within this tender are not intended to define the exact scope of work but to assist the tenderers in the pricing process.			
	<u>ROOF INSULATION</u>			
	<u>"Sisalation" Insulation</u>			
1	Extra over "Sisalation 410" or similar approved reflective foil insulation with reinforced with fibreglass and flame retardant additives to the total roof area all in accordance with manufacturer's specifications	m2	53	
	<u>ROOF SHEETING</u>			
	<u>Design, Supply, Deliver And Install " IBR " 0.58mm Thick Galvanised Roof Sheeting On Timber Purlins Fixed To Timber Rafters To Engineers' Details, Including All Necessary Fixing Clips, Etc, Complete, All In Strict Accordance With The Manufacturer's Instructions</u>			
2	Roof covering to roof pitch as shown in transportable lengths as required, to the <u>roof</u>	m2	53	
3	Raking cutting and waste	m	21	
	Carried Forward			KES
	Section No. 6 Bill No. 6 Roof Coverings			

Brought Forward

KES

FLASHING, ETC

Design, Supply, Deliver And Install Light Industrial Galvanised Flashings To Match Sheeting Complete Including All Necessary Fixing Clips, Etc. All In Strict Accordance With The Manufacturer's Instructions

4	Ridge cap girth 462mm	m	15
5	External corner trim girth 308mm	m	21
6	Internal corner trim girth 308mm	m	21

RAINWATER DISPOSAL

Pre-Coated Zincalume Seamless Gutter, Overall Size 150 x 100 x 0,5mm Thick In Colour To Match Roof Sheeting Including Matching Rivet-Fixed Mitres And End Caps Internally Sealed Using Silicon Mastic, Hung By Nail Fixed Internal Aluminium Hangers At 800mm Centres With Rectangular Fluted Downpipes, Size 100 x 75 x 0,5mm Thick In Colour To Match Roof Sheeting Fixed To Walls With Pre-Painted Downpipe Cleats Using Nail-In Anchor Fixings

7	150 x 100mm Eaves gutters	m	21
8	Extra over for outlet for 100 x 75mm pipe	No	3
9	100 x 75mm Rainwater downpipes	m	15
10	Extra over pipe for shoe	No	3
11	Extra over pipe for bend	No	3
12	Extra over pipe for eaves or plinth offset 600mm projection	No	3

Carried Forward to Summary of Section No. 6

KES

Section No. 6
 Bill No. 6
 Roof Coverings

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO 6 : DEBONING & BOXING ALTERATIONS</u></p> <p><u>BILL NO 8</u></p> <p><u>IRONMONGERY</u></p> <p><u>Supplementary Preambles</u></p> <p><u>Fixing</u></p> <p>Where ironmongery is described as plugged or fixed, prices are to include for screwing to and including approved patent plugs in concrete or brickwork with plastered or tiled finish.</p> <p>-----</p> <p><u>FIRE SIGNAGE</u></p> <p><u>Supply And Install Fire Signage</u></p>			
1	Photoluminescent "EXIT" signage, size 300 x 150mm in certified ABS plastic, with natural anodised aluminium frame, mounted against wall with non-corrosive screws against wall surface above door frame. Colour: White panel with red border-line, and red pictogram complete	No	3	
2	Photoluminescent double sided "FIRE CABINET" signage, size 450 x 150mm in certified ABS plastic, with natural anodised aluminium frame, mounted against wall with non-corrosive screws against wall surface above fire cabinet. Colour: White panel with red border-line, and red pictogram complete	No	2	
3	Photoluminescent "FIRE EXTINGUISHER" signage, size 300 x 150mm in certified ABS plastic, with natural anodised aluminium frame, drilled, plugged and fixed with non-corrosive screws against wall surface above fire extinguisher. Colour: White panel with red border-line, and red pictogram complete	No	2	
	Carried Forward to Summary of Section No. 6			KES
	Section No. 6 Bill No. 7 Ironmongery			

Item No	<u>SECTION NO 6 : DEBONING & BOXING ALTERATIONS</u>	Quantity	Rate	Amount
	<u>BILL NO 9</u>			
	<u>PLASTERING</u>			
	<u>SCREEDS</u>			
	<u>1:4 Cement Plaster Screeds Wood Floated On Concrete</u>			
1	25mm Thick on floors and landings (Terrazzo Floor)	m2	207	
2	125 x 125mm triangular covings against walls, etc. (see coving details)	m	82	
3	Extra over triangular covings at corners, etc.	No	21	

	<u>INTERNAL PLASTER</u>			
	<u>One Coat Internal Cement Plaster Steel Floated On Brickwork</u>			
4	On walls	m2	33	
5	On narrow widths	m2	2	
6	Extra over rounded edges of internal corners	m	61	

	<u>EXTERNAL PLASTER</u>			
	<u>One Coat External Cement Plaster Wood Floated On Brickwork</u>			
7	On walls	m2	39	
8	On narrow widths	m2	2	
	Carried Forward to Summary of Section No. 6			KES
	Section No. 6 Bill No. 8 Plastering			

Item No	<u>SECTION NO 6 : DEBONING & BOXING ALTERATIONS</u>	Quantity	Rate	Amount
	<u>BILL NO 10</u>			
	<u>TILING</u>			
	<u>LAY, BED AND GROUT FLOOR TILES COMPLETE (LABOUR ONLY)</u>			
	<u>Cost of the installation(only) of imported tiles (Supply of tiles measured elsewhere) with approved adhesive On Screed (Screed Elsewhere Measured)</u>			
	<u>With Straight Continuous Joints In Both Directions, Pointed In Approved Tinted Epoxy Tile Grouting(measured elsewhere), Including All Necessary Cutting And Waste, Cutting And Fitting Around Plumbing, Protection From Damage And Cleaning Down On Completion</u>			
1	On floors	m2	207	
2	On narrow widths (On floors)	m2	21	
3	100mm tiles laid on triangular covings against walls to floor junctions	m	82	
4	100mm tiles laid on triangular covings at corners of wall junctions	m	65	
5	On walls	m2	52	
6	On narrow widths (On walls)	m2	5	
7	Extra over corner tiles at 45 degree angle against walls	m	38	
	Carried Forward	KES		
	Section No. 6 Bill No. 9 Tiling			

Brought Forward

SUNDRIES

Triangular Edge Trim, Movement Joints, Etc

8	" Triangular Edge Trim" or similar approved 10mm high aluminium trim bedded in tile adhesive while tiles are laid	m	29
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KES

Carried Forward to Summary of Section No. 6

Section No. 6
Bill No. 9
Tiling

KES

Item No	<u>SECTION NO 6 : DEBONING & BOXING ALTERATIONS</u>	Quantity	Rate	Amount
	<u>BILL NO 11</u>			
	<u>PAINTING</u>			
	<u>PAINTWORK ECT TO NEW WORK</u>			
	<u>ON INTERNAL FLOATED PLASTER SURFACES</u>			
	<u>Prepare, Stop And Apply Three Coats Of Anti Microbial Paint. Dulux Wash & Wear With Anti-Bac. Or Similar Approved. Colour To Be Approved.</u>			
1	Walls and columns	m2	35	
	<u>ON METAL SURFACES</u>			
	<u>Prepare, Stop And Apply One Coat Alkyd Based Zinc Phosphate Primer And Two Coats Premium Quality Polyurethane Enamel Paint On Metal Members</u>			
2	Windows (both sides measured over full flat area)	m2	150	
	<u>ON EXTERNAL FLOATED PLASTER SURFACES</u>			
	<u>Prepare, Stop And Apply One Coat Scaler, One Coat Undercoat And Two Coats Exterior Quality PVA Emulsion Paint Or Similar Approved. Colour To Be Approved.</u>			
3	Walls and columns	m2	41	

	<u>PAINTWORK ECT TO EXISTING WORK</u>			
	<u>ON INTERNAL FLOATED PLASTER SURFACES</u>			
	<u>Prepare, Stop And Apply Three Coats Of Anti Microbial Paint. Dulux Wash & Wear With Anti-Bac. Or Similar Approved. Colour To Be Approved.</u>			
4	Walls and columns	m2	286	
	Carried Forward			
	Section No. 6 Bill No. 10 Painting			KES

Brought Forward

KES

ON EXTERNAL FLOATED PLASTER SURFACES

Prepare, Stop And Apply One Coat Scaler, One Coat Undercoat And Two Coats Exterior Quality PVA Emulsion Paint Or Similar Approved. Colour To Be Approved.

5	Walls and columns	m2	149
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Carried Forward to Summary of Section No. 6

KES

Section No. 6
Bill No. 10
Painting

SECTION SUMMARY - Deboning & Boxing Alterations

Bill No		Page No	Amount
1	Alterations		
2	Earthworks		
3	Concrete, Formwork & Reinforceent		
4	Masonry		
5	Waterproofing		
6	Roof Coverings		
7	Ironmongery		
8	Plastering		
9	Tiling		
10	Painting		
Carried to Final Summary			
Section No. 6			KES

Item No	SECTION NO 7 : INSULATION PANELS	Quantity	Rate	Amount
	<u>BILL NO 1</u>			
	<u>INSULATION PANELS</u>			
	<p>-----</p> <p>The insulated pre-fabricated panels shall be manufactured from 0.5 mm thick galvanized (Aluminium Zinc - AZ150) pre-painted sheet steel lining finished in silicon polyester white acrylic 25 micron paint with the reverse side suitably adhesive bonded with 2 parts catalyst and heat polymerising type to 15 kg/m³ Expanded Polystyrene (EPS).</p>			
	<u>INSULATION WALL PANELLING</u>			
	<p><u>Manufacture, Supply, Transport, Erect And Install Pre-Fabricated Chromadek Finished Polystyrene Insulation Panels(EPS) As Per Specification Including Delivery, Erection, Supports From Steelwork Or Roof Structure, Joint Sealants, Flashings, Forming Of Openings, Aluminium Fixing Angles, Etc All Necessary Items To Be Included For Complete Installation</u></p>			
1	Chiller wall panels 100mm thick (not exceeding 6m high)	m2	1 100	
	<u>INSULATION CEILINGS</u>			
2	Ceiling panels 100mm thick (not exceeding 5m high) in other areas	m2	860	
3	Ceiling panels 100mm thick in Chiller areas	m2	540	
	Carried Forward			
	Section No. 7 Bill No. 1 Insulation Panels		KES	

Brought Forward		KES
<u>INSULATION DOORS</u>		
<u>Cut Opening In 100mm Thick Walls Panels Including Manufacture, Supply And Install 100mm Thick Polystyrene Core Doors Complete With Frame, Sliding Gear, Locks, Handles, Door Stops, Seals, Flaps, Etc. As Per Manufacturer's Instructions</u>		
4	For clear opening size 1400 x 3500mm rail height as per Drawings	No 6
5	For clear opening size 1400 x 2700mm rail height as per drawings	No 1
6	For clear opening size 1600 x 2300mm height as per drawings	No 2
7	Sectional vertical sliding door for opening size 2800 x 4000mm high as per drawings	No 4

<u>PERSONNEL DOORS</u>		
<u>Supply And Install PE 500 Polyethylene High Traffic, Food Proofed, Fat, Chemical And Shock Resistant 15mm Thick Double Swing Doors (To And Fro) With Double Sided Working Stainless Steel Hinges Including Aluminium Frames Fixed Into Brick Walls</u>		
8	For double leaf door opening size 1614 x 2032mm high	No 5
<u>Supply And Install Hinged Doors Formed Of 40mm Thick Insulation Panel With Aluminium Channel Surround Including Aluminium Frames Fixed Into Brick Walls</u>		
9	For single leaf door opening size 813 x 2032mm high	No 8
10	For double leaf door opening size 1614 x 2032mm high	No 6
Carried Forward		KES
Section No. 7 Bill No. 1 Insulation Panels		

Brought Forward

KES

IRONMONGERY FOR PERSONNEL DOORS

PC Allowances

11 Provide the prime cost amount of KES 550,000.00 (Five Hundred And Fifty Thousand Kenyan Shilling) for the supply and installation of Ironmongery

Item

550 000.00

Carried to Final Summary

KES

Section No. 7
Bill No. 1
Insulation Panels

Item No	Quantity	Rate	Amount
<p><u>SECTION NO 8 : PLUMBING & DRAINAGE</u></p>			
<p><u>BILL NO 1</u></p>			
<p><u>WATER & SEWER RETICULATION</u></p>			
<p><u>Supplementary Preambles</u></p>			
<p><u>uPVC Pipes And Fittings:</u></p>			
<p>Soil, waste and vent pipes and fittings shall be solvent weld jointed.</p>			
<p><u>uPVC Pressure Pipes And Fittings:</u></p>			
<p>Pipes for water supply shall be of the class stated.</p>			
<p>Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings.</p>			
<p>Pipes of 50mm diameter and greater shall have sockets and spigots with push in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints.</p>			
<p><u>Copper Pipes:</u></p>			
<p>Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" or similar approved. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground.</p>			
<p><u>Fixing Of Pipes</u></p>			
<p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls etc, casting in, building in or suspending not exceeding 1m below suspension level.</p>			
<p>Carried Forward</p>		KES	
<p>Section No. 8 Bill No. 1 Water & Sewer Reticulation</p>			

Brought Forward

KES

Reducing Fittings

Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained.

Exposed Concrete Surfaces

Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gully tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster.

Excavations

No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling.

"Soft rock" and "hard rock" shall be as defined in "Earthworks".

Laying, Backfilling, Bedding, Etc. Of Pipes

Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions.

Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium-pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200 DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200 LB : Bedding (Pipes). Unless otherwise described bedding of rigid pipes shall be class B bedding.

Flush Pans

Flush pans shall have straight or side outlets and "P" or "S" traps as necessary.

Carried Forward

KES

Section No. 8
Bill No. 1
Water & Sewer Reticulation

Brought Forward		KES
<u>Stainless Steel Basins, Sinks, Wash Troughs, Urinals, Etc.</u>		
Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable.		
<u>Waste Unions</u>		
Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings.		

<u>SOIL DRAINAGE</u>		
<u>Connection To Existing Services</u>		
1	Search for, locate and excavate as necessary for existing sewer main, cut into and connect up new 110mm diameter uPVC pipe (elsewhere measured) including all necessary fittings, couplings, backfilling and compaction.	No 1
<u>Excavations</u>		
2	Excavation in earth or compacted earth filling not exceeding 1m deep below natural, reduced or made up ground level, for pipe trenches	m3 39
3	Excavation in earth or compacted earth filling exceeding 1m and not exceeding 2m deep below natural, reduced or made up ground level, for pipe trenches	m3 27
4	Extra over excavations in earth for pipe trenches, valve chambers, etc. for excavation, removal, etc in soft rock	m3 5
5	Extra over excavations in earth for pipe trenches, valve chambers, etc. for excavation, removal, etc in hard rock	m3 3
6	Extra over al excavations for loading and carting away of surplus excavated material and unloading to selected stockpile on site	m3 3
Carried Forward		KES
Section No. 8		
Bill No. 1		
Water & Sewer Reticulation		

Brought Forward			KES
<u>Backfilling And Bedding</u>			
7	Selected clean granular fill material from the excavations, in bedding under and backfilling over and around pipes and compacted in layers not exceeding 150mm thick to 95% modified AASHTO density	m3	63
<u>uPVC Pipes</u>			
8	50mm Pipes laid in trenches not exceeding 1m deep	m	37
9	75mm Pipes laid in trenches not exceeding 1m deep	m	13
10	110mm Pipes laid in trenches not exceeding 1m deep	m	88
11	160mm Pipes laid in trenches not exceeding 1m deep	m	154
12	160mm Pipes laid in trenches exceeding 1m and not exceeding 2m deep	m	60
<u>Extra Over uPVC Pipes For Fittings</u>			
13	50mm Bend	No	34
14	75mm Bend	No	14
15	110mm Bend	No	14
16	110mm Junction	No	8
17	160mm Bend	No	10
18	160mm Junction	No	9
Carried Forward			KES
Section No. 8 Bill No. 1 Water & Sewer Reticulation			

Brought Forward		KES
<u>Pump Sump</u>		
19	Excavate in earth exceeding 2000mm and not exceeding 3000mm deep for and build pump sump internally sized 3000mm x 3000mm complete including all necessary excavations, working space and backfilling, with and including in situ compaction of soil to 95% Mod AASHTO density to form base for foundation, 3000 x 3000mm 20MPa cast in-situ concrete base 150mm thick with "Ref 395" mesh to form foundation, 15MPa benching finished smooth with a steel trowel to falls and currents, 150mm thick reinforced concrete walls. (allow	No 1
<u>Spoon Floor Drain</u>		
20	Design, supply & install approx. size 500mm wide x 35000mm long spoon drain in accordance with Engineer drawing with and including excavations, alterations, concrete, waterproofing, etc complete - Drawing No 1525-C3-02 (Channel detail)	No 2
21	Design, supply & install approx. size 400mm wide x 20000mm long spoon drain in accordance with Engineer drawing with and including excavations, alterations, concrete, waterproofing, etc complete - Drawing No 1525-C3-02 (Channel detail)	No 1
Carried Forward		KES

Section No. 8
 Bill No. 1
 Water & Sewer Reticulation

Brought Forward		KES
<u>Box Channel Floor Drain</u>		
22	Design, supply & install approx. size 150mm wide x 3500mm long box channel drain in accordance with Engineer drawing with and including excavations, alterations, concrete, waterproofing, etc complete - Drawing No 1525-C3-02 (Channel detail)	No 1
23	Design, supply & install approx. size 150mm wide x 5500mm long x box channel drain in accordance with Engineer drawing with and including excavations, alterations, concrete, waterproofing, etc complete - Drawing No 1525-C3-02 (Channel detail)	No 1
24	Design, supply & install approx. size 350mm wide x 3000mm long x box channel drain in accordance with Engineer drawing with and including excavations, alterations, concrete, waterproofing, etc complete - Drawing No 1525-C3-02 (Channel detail)	No 1
<u>Supply And Install Manholes, Catchpits, Grid Inlets, Etc.</u>		
25	Excavate in earth exceeding 750mm and not exceeding 1000mm deep for and build soil drainage manhole and/or grid inlet internally sized 700mm x 800mm complete including all necessary excavations, working space and backfilling, with and including in situ compaction of soil to 95% Mod AASHTO density to form base for foundation, 700 x 800mm 20MPa cast in-situ concrete base 150mm thick with "Ref 395" mesh to form foundation, 15MPa benching finished smooth with a steel trowel to falls and currents, 200mm stone walls in Class II mortar to sides of chamber, brickforce every 3rd layer, with one coat cement plaster including waterproofing compound on insides of stone block walls, reinforced cast in-situ concrete deck slab 150mm thick with "Ref 395" mesh to form chamber complete	No 8
26	Ditto, but exceeding 1000mm and not exceeding 2000mm deep	No 3
<u>Manhole Covers, Grid Inlets, Frames, Etc.</u>		
27	Heavy duty steel soil drainage manhole cover and frame (Besaans-du Plessis or similar) size 700 x 800mm with frame laid in 1:3 cement/sand mortar bedding and fixed on chamber cover slab complete	No 11
Carried Forward		KES
Section No. 8 Bill No. 1 Water & Sewer Reticulation		

Brought Forward			KES
<u>Cast In Items</u>			
29	Take delivery, temporary store and cast in exact position floor drains into top of concrete surfacebeds, etc including all necessary tolerance pockets, formwork, bending of reinforcement, etc complete	Sets	25

<u>WATER SUPPLY</u>			
<u>GALVANISED STEEL PIPING</u>			
<u>Supply And Install Medium Class Approved Galvanised Steel Pipes. Rate To Include Coupling Connections Between Pipes And Fixed/Sliding Supports, Holderbats And Mounting Of Pipes To Walls, Trusses And Ceilings/Ssoffits.</u>			
30	15mm Nominal diameter pipe	m	60
31	20mm Nominal diameter pipe	m	48
32	25mm Nominal diameter pipe	m	95
33	32mm Nominal diameter pipe	m	5
34	50mm Nominal diameter pipe	m	30
35	65mm Nominal diameter pipe	m	62
<u>Supply And Install Appropriate Valves And Fittings Of Nominal Diameter As Indicated Below. Rate To Include Any Additional Fittings Required (i.e. Unions, Adapters, Flange Connectors Etc.). All Valves To Be Full Bore</u>			
<u>15mm Nominal Diameter Pipe</u>			
36	Galvanised steel elbow	No	10
37	Galvanise steel tee	No	4
38	Ball valve	No	30
<u>20mm Nominal Diameter Pipe</u>			
39	Galvanised steel reducing tee (reduce to 15mm)	No	2
Carried Forward			KES
Section No. 8			
Bill No. 1			
Water & Sewer Reticulation			

Brought Forward			KES
40	Galvanise steel reducer (reduce to 15mm)	No	27
41	Ball valve	No	28
	<u>25mm Nominal Diameter Pipe</u>		
42	Galvanised steel reducing tee (reduce to 25mm)	No	18
43	Galvanise steel reducer (reduce to 25mm)	No	26
	<u>32mm Nominal Diameter Pipe</u>		
44	Galvanised steel reducing tee (reduce to 25mm)	No	1
45	Galvanise steel reducer (reduce to 25mm)	No	1
46	Pressure reducing valve	No	1
47	Y Strainer	No	1
48	Ball valve	No	2
	<u>50mm Nominal Diameter Pipe</u>		
49	Galvanised steel elbow	No	8
	<u>65mm Nominal Diameter Pipe</u>		
50	Galvanised steel elbow	No	8
51	Pressure reducing valve	No	1
52	Y Strainer	No	1
53	Ball valve	No	2
54	Water meter	No	1
	<u>PPR PIPING</u>		
	<u>Supply And Install PPR Approved Pipes. Rate To Include Coupling Connections Between Pipes And Fixed/Sliding Supports, Holderbats And Mounting Of Pipes To Walls, Trusses And Ceilings/Ssoffits.</u>		
55	15mm Nominal diameter pipe	m	70
Carried Forward			KES
Section No. 8			
Bill No. 1			
Water & Sewer Reticulation			

Brought Forward			KES
56	20mm Nominal diameter pipe	m	70
57	25mm Nominal diameter pipe	m	35
58	32mm Nominal diameter pipe	m	18
59	50mm Nominal diameter pipe	m	35
60	65mm Nominal diameter pipe	m	205
<p><u>Supply And Install Appropriate Valves And Fittings Of Nominal Diameter As Indicated Below. Rate To Include Any Additional Fittings Required (i.e. Unions, Adapters, Flange Connectors Etc.). All Valves To Be Full Bore</u></p>			
<u>15mm Nominal Diameter Pipe</u>			
61	PPR elbow	No	50
62	PPR tee	No	8
<u>20mm Nominal Diameter Pipe</u>			
63	PPR elbow	No	28
64	PPR tee	No	10
65	PPR straight reducer (20mm - 15mm)	No	35
66	PPR reducing tee (20mm - 15mm)	No	12
67	Ball valve	No	28
<u>25mm Nominal Diameter Pipe</u>			
68	PPR elbow	No	4
69	PPR straight reducer (25mm - 20mm)	No	4
70	PPR reducing tee (25mm - 20mm)	No	10
<u>40mm Nominal Diameter Pipe</u>			
71	PPR elbow	No	4
Carried Forward			KES
<p>Section No. 8 Bill No. 1 Water & Sewer Reticulation</p>			

Brought Forward			KES
72	Ball valve	No	1
	<u>50mm Nominal Diameter Pipe</u>		
73	PPR elbow	No	20
74	PPR tee	No	8
75	PPR reducing tee (50mm - 20mm)	No	50
76	Ball valve	No	8
	<u>HDPE PIPING</u>		
	<u>Supply And Install HDPE Approved Pipes. Rate To Include Coupling Connections Between Pipes And Fixed/Sliding Supports, Holderbats And Mounting Of Pipes To Walls, Trusses And Ceilings/Soffits.</u>		
77	63mm Nominal diameter pipe	m	110
	<u>Supply And Install Appropriate Valves And Fittings Of Nominal Diameter As Indicated Below. Rate To Include Any Additional Fittings Required (i.e. Unions, Adapters, Flange Connectors Etc.). All Valves To Be Full Bore</u>		
	<u>63mm Nominal Diameter Pipe</u>		
78	HDPE elbow	No	8
79	Coupling to 65mm Galvanised steel	No	2
	<u>STAINLESS STEEL PIPING</u>		
	<u>Supply And Install Stainless Steel Approved Pipes. Rate To Include Coupling Connections Between Pipes And Fixed/Sliding Supports, Holderbats And Mounting Of Pipes To Walls, Trusses And Ceilings/Soffits.</u>		
80	15mm Nominal diameter pipe	m	195
81	20mm Nominal diameter pipe	m	110
82	25mm Nominal diameter pipe	m	20
Carried Forward			KES
Section No. 8			
Bill No. 1			
Water & Sewer Reticulation			

Brought Forward			KES
<u>Supply And Install Appropriate Valves And Fittings Of Nominal Diameter As Indicated Below. Rate To Include Any Additional Fittings Required (i.e. Unions, Adapters, Flange Connectors Etc.). All Valves To Be Full Bore</u>			
<u>15mm Nominal Diameter Pipe</u>			
83	Stainless steel elbow	No	10
84	Stainless steel tee	No	8
85	Angle valve	No	42
86	Flexihose 300mm long	No	42
<u>20mm Nominal Diameter Pipe</u>			
87	Angle valve	No	10
88	Flexihose 300mm long	No	10
89	Ball valve	No	11
<u>SUNDRY ITEMS</u>			
<u>PC Allowances</u>			
<u>Water Tank</u>			
90	Provide the sum of KES 80,000.00 (Eighty Thousand Kenyan Shilling) for the supply and installation of <u>Water Tank</u> complete	Item	80 000.00
<u>Heat Pump</u>			
91	Provide the sum of KES 140,000.00 (One Hundred And Forty Thousand Kenyan Shilling) for the supply and installation of <u>Heat Pump</u> complete	Item	140 000.00
<u>Hot Water Generation</u>			
92	Provide the sum of KES 3,500,000.00 (Three Million Five Hundred Thousand Kenyan Shilling) for the supply and installation of <u>Hot Water Generation</u> complete.	Item	3 500 000.00
Carried Forward			KES
Section No. 8			
Bill No. 1			
Water & Sewer Reticulation			

Brought Forward		KES
<u>Water Treatment</u>		
93	Provide the sum of KES 10, 000,000.00 (Ten Million Kenyan Shilling) for the supply and installation of <u>Water Treatment</u> complete	10 000 000.00
	Item	
 <u>FIRE APPLIANCES, ETC</u>		
<u>"Safequip" Or Similar Approved</u>		
94	"Everyway" hose reel complete with 20m plastic hose, chromium plated stopcock, shu-off nozzle and wall bracket, including galvanised steel stand pipe, fittings, couplings, etc. complete	9
95	4,5kg Carbon dioxide fire extinguisher complete with 520 x 115 x 22mm thick timber backboard plugged to wall and varnished	18
96	9,0kg Carbon dioxide fire extinguisher complete with 520 x 115 x 22mm thick timber backboard plugged to wall and varnished	18
97	Double door, closed back, fire hose reel cabinet, size 850 x 295 x 850mm high, complete with key, and including 3 No, 65mm fire hoses and 16mm diameter nozzle	9

<u>SUNDRY FITTINGS</u>		
<u>" Rofo "</u>		
98	Supply and install "Rofo - RO 200" or similar approved stainless steel floor drains with holed lid, round flange for concrete floors, etc complete	25
Carried Forward		KES
Section No. 8 Bill No. 1 Water & Sewer Reticulation		

Brought Forward

SUNDRY METALWORKS

PC Allowances

Steel Grating

99 Provide the sum of KES 850,000.00 (Eight Hundred And Fifty Thousand Kenyan Shilling) for the supply and installation of Steel Gratings complete

Item

850 000.00

TESTING AND CONNECTIONS

Connection

101 Search for, locate, opening up and connecting to main water supply or existing connection, including all excavation, filling, compaction etc. complete.

Item

Testing

102 Testing water pipe system

Item

Carried to Final Summary

KES

Section No. 8
 Bill No. 1
 Water & Sewer Reticulation

Item No	Quantity	Rate	Amount
<p><u>SECTION NO 9 : EXTERNAL WORKS & GENERAL</u></p>			
<p><u>BILL NO 1</u></p>			
<p><u>EARTHWORKS</u></p>			
<p><u>Supplementary Preambles</u></p>			
<p><u>Nature Of Material To Be Excavated</u></p>			
<p>Descriptions of excavations shall be deemed to include all ground conditions classifiable as "earth" or "ground" and/or filling compacted to 95% Modified AASHTO density. Where conditions of a more difficult character are indicated, these are measured separately.</p>			
<p><u>Excavations</u></p>			
<p>Descriptions of excavations shall be deemed to include for increase in bulk and multiple handling of excavated material caused by the Contractor's method of operation.</p>			
<p><u>Carting Away Excavated Material</u></p>			
<p>Descriptions of carting away of excavated materials shall be deemed to include the breaking down of oversized materials including materials of a more difficult character complete including the loading of such excavated materials onto trucks directly from the excavations or, alternatively, from stockpiles situated on the site</p>			
<p><u>G7 - Material (Specification)</u></p>			
<p>G7 Sub-Base Material is used as filling and a base coarse under roads and paving. This material may contain approved natural fines not obtained from parent rock. The nominal maximum size for uncrushed material is 2/3 of the compacted layer and for crushed material 74mm.</p>			
<p>Carried Forward</p>		KES	
<p>Section No. 9 Bill No. 1 Earthworks</p>			

Brought Forward		KES
<u>Working Space</u>		
<p>Working space for formwork to sides of all concrete, except columns, shall be measured only where the concrete face is less than 750mm from the face of the measured excavations AND only where formwork is specifically specified as a requirement by the Engineer.</p> <p>No claim shall be considered for any working space for formwork to concrete other than above described or for working space beyond the sides of trench excavations for the building of brick walls.</p> <p>Descriptions of excavations for working space shall be deemed to include for any additional risk of collapse so incurred and for returning and compacting of the excavated material so described.</p> <p>-----</p>		
<u>SITE CLEARANCE ECT</u>		
<u>Site Clearance</u>		
1	<p>Clear, strip, grub, dig up, etc. and remove from site to a dumping site to be found by the Contractor all rubble, rubbish, plant material, trees of girth up to 1m measured 1m above ground complete including total haul</p> <p>-----</p>	m2 550
<u>TOPSOIL REMOVAL</u>		
<u>Excavate And Remove Topsoil To A Nominal Depth Of 100mm And</u>		
2	<p>Stockpile selected topsoil free from plant roots on site to be available for paved roads including total haul</p>	m3 83
Carried Forward		KES
<p>Section No. 9 Bill No. 1 Earthworks</p>		

Brought Forward		KES
<u>EXCAVATIONS, FILLING, ETC OTHER THAN BULK</u>		
<u>EXCAVATIONS</u>		
<u>Excavate In Earth Or Compacted Earth Filling Exceeding 2m And Not Exceeding 4m Deep Below Natural, Reduced Or Elevated Level And Stockpile On Site</u>		
3	Foundation trenches	m3 59
<u>MAINTENANCE OF EXCAVATIONS</u>		
<u>Extra Over All Excavations For The Loading And Carting Away Of</u>		
4	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor not exceeding 1km away	m3 26
<u>Risk Of Collapse Of Excavations</u>		
5	Allow for risk of collapse to sides of trench and hole excavations exceeding 1500mm and not exceeding 3000mm deep	m2 198
<u>Keeping Excavations Free From Water</u>		
6	Allow for keeping all excavations free from water, mud, etc. by baling, pumping or other approved means, including the provision of all necessary pumps, plumbing, etc.	Item
<u>FILLING, ETC.</u>		
<u>Note:</u> All filling, whether obtained from the stockpiles or an outside source, must be approved by the Engineer		
<u>Selected Clean Earth Filling Obtained From The Excavations And/Or Prescribed Stockpiles On Site Compacted In Maximum 150mm Thick Layers To 93% Mod AASHTO Density</u>		
7	Filling under footings as foundation improvement to trenches, etc.	m3 36
Carried Forward		KES
Section No. 9 Bill No. 1 Earthworks		

Brought Forward			KES
<u>Selected Clean Earth Filling Supplied By The Contractor Obtained From The Commercial Sources Including Total Haul</u>			
8	Filling under surfacebeds, etc. of selected minimum G7 materials to make up levels and compact in layers not exceeding 150mm thick to minimum 95% Mod AASHTO density	m3	83
<u>Compaction Of Surfaces</u>			
9	Compaction of ground surfaces under solid floors by scarifying to a depth of 150mm, breaking down oversized material, adding suitable material where necessary and compacting to 93% Mod AASHTO density.	m2	550
<u>Prescribed Density Tests On Filling</u>			
10	Modified AASHTO density test -----	No	2
<u>SOIL POISONING</u>			
<u>Approved Soil Insecticide Mixed And Applied In Strict Accordance To Manufacturers Instructions</u>			
11	Soil poisoning of surface of ground or filling under solid floors, steps, etc. including raking out 75mm deep V-shaped furrows against the walls, etc. treating with poison solution, backfilling of furrows and ramming.	m2	550
12	Soil poisoning to foundation walls, etc. treating with poison solution	m2	302
Carried Forward to Summary of Section No. 9			KES
Section No. 9 Bill No. 1 Earthworks			

Item No	SECTION NO 9 : EXTERNAL WORKS & GENERAL	Quantity	Rate	Amount
	<p><u>BILL NO 2</u></p> <p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p><u>Supplementary Preambles</u></p> <p><u>Cost Of Tests</u></p> <p>The cost of making, storing and testing of concrete test cubes as required and shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Principal Agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval by the Principal Agent. Only successful tests will be paid for. (Test cubes are measured separately).</p> <p><u>Rates</u></p> <p>The rates for all concrete are to include for transporting, handling and depositing (by hoisting or lowering) in the formwork or ground and for working, vibrating and packing around reinforcement and striking off and curing.</p> <p><u>Formwork</u></p> <p>Description of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use</p> <p>-----</p> <p><u>REINFORCED CONCRETE</u></p> <p><u>25MPa/19mm Concrete Cast Against Excavated Surfaces</u></p>			
1	Strip footings	m3	26	
	Carried Forward			KES
	Section No. 9 Bill No. 2 Concrete, Formwork & Reinforcement			

Brought Forward			KES
<u>30MPa/19mm Concrete Cast Against Excavated Surfaces</u>			
2	Surface beds cast in panels on plastic sheeting -----	m3	89
<u>CONCRETE SUNDRIES</u>			
<u>Finishing Top Surfaces Of Concrete Smooth With A Wood Float</u>			
3	Surface beds, slabs, etc	m2	582
<u>Test Cubes</u>			
4	Making concrete strength test cubes size 150 x 150 x 150mm, sending them to an approved independent testing laboratory for testing and paying all charges in connection therewith. -----	Sets	6
<u>MOVEMENT JOINTS ETC</u>			
<u>Saw Cut Joints Approved Joint Filler Vertical Between Concrete/Brick And/Or Steel Surfaces Complete All As Per Engineers Details And Specifications</u>			
5	Cut saw joints 3mm wide x 40 deep in top of concrete floor and ream joint to 10mm x 25 deep -----	m	184
<u>REINFORCEMENT</u>			
<u>Mild Steel Bar Reinforcement To Structural Concrete</u>			
6	Various diameter bars	t	0.44
<u>High Tensile Steel Bar Reinforcement To Structural Concrete</u>			
7	Various diameter bars	t	1.76
<u>Fabric Mesh Reinforcement</u>			
8	Type reference 311 in surface beds laid with minimum 300mm laps (measured nett)	m2	586
Carried Forward to Summary of Section No. 9			KES
Section No. 9 Bill No. 2 Concrete, Formwork & Reinforcement			

Item No		Quantity	Rate	Amount
	<u>SECTION NO 9 : EXTERNAL WORKS & GENERAL</u>			
	<u>BILL NO 3</u>			
	<u>BRICKWORK</u>			
	<u>Supplementary Preambles</u>			
	<u>Sizes In Descriptions</u>			
	Where referred to blocks, the size of blocks shall be standard commercially to that which is commercially available Width as per specification			
	<u>Cavity Walls</u>			
	Descriptions of cavity walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole.			
	Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats "Brixeal" bitumen emulsion waterproofing coating.			

	<u>STONE BLOCK WALLS</u>			
	<u>Stone Block Walls In Class II Cement Mortar</u>			
	<u>Foundations</u>			
1	Construct 200mm wall in foundations with solid block bricks, 10MPa mortar	m2	59	

	<u>BRICKWORK SUNDRIES</u>			
	<u>Bagging Of 1:3 Cement And Sand Slurry Mixture</u>			
2	On brick walls, piers, etc	m2	118	
	Carried Forward		KES	
	Section No. 9 Bill No. 3 Masonry			

Brought Forward

KES

Galvanised Reinforcement With Minimum 100mm Laps At Joints and Angles (Measured Nett)

3	Brickforce suitable for 200mm wide stone block walls	m	207
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Carried Forward to Summary of Section No. 9

KES

Section No. 9
Bill No. 3
Masonry

Item No		Quantity	Rate	Amount
	<u>SECTION NO 9 : EXTERNAL WORKS & GENERAL</u>			
	<u>BILL NO 4</u>			
	<u>WATERPROOFING</u>			
	<u>Supplementary Preambles</u>			
	<u>Descriptions</u>			
	Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs.			

	<u>DAMPPROOFING TO WALLS</u>			
	<u>One Layer Of 375 Micron "Consol Plastics Brickgrip DPC" Or Other Approved Polyethylene Sheeting</u>			
1	DPC to walls and cills	m2	35	
	<u>DAMPPROOFING UNDER FLOORS</u>			
	<u>One Layer Of 250 Micron "Consol Plastics Gunplas USB Green" Or Other Approved Polyethylene Sheeting Sealed At Joints In Strict Accordance With The Manufacturer's Instructions</u>			
2	Under surface beds including all necessary turn-ups and overlaps (measured nett)	m2	582	
	<u>JOINT SEALANTS</u>			
	<u>Joint Sealant, Rake Out Joint Filler To 20mm Depth And Insert Polythene Foam Backing Cord, Prime With "Epidermix 317" Or Similar Approved And Apply "Dow Coring 813 Silicon Sealant" Or Similar Approved Polysulphide Sealant</u>			
3	10 x 10mm Joints	m	184	
	Carried Forward to Summary of Section No. 9			KES
	Section No. 9 Bill No. 4 Waterproofing			

Item No		Quantity	Rate	Amount
	<u>SECTION NO 9 : EXTERNAL WORKS & GENERAL</u>			
	<u>BILL NO 5</u>			
	<u>EXTERNAL WORKS</u>			
	<u>Supplementary Preambles</u>			
	<u>Trades</u>			
	Supplementary preambles as detailed in the individual trades in these bill of quantities apply equally to this External Works bill			

	<u>PRECAST CONCRETE BLOCK PAVED ROADS</u>			
	<u>SURFACE PREPARATION</u>			
	<u>Compaction Of Surfaces</u>			
1	Compaction of ground surface under paved roadways, parking areas, etc. to falls including scarifying for a depth of 150mm, breaking down oversized material, adding suitable material where necessary and compacting to minimum 95% Mod AASHTO density.	m2	370	
	<u>FILLING, ETC.</u>			
	<u>Note:</u>			
	All filling, whether obtained from the stockpiles or an outside source, must be approved by the Engineer.			
	<u>Selected Clean Earth Filling Obtained From Stock Piles On Site And Stabilized By Contractor With 3% Cement And Compacted In Maximum 150mm Thick Layers To 98% Mod AASHTO Density</u>			
2	Base layer under paved roadways, parking areas, etc to falls	m3	56	
	Carried Forward			
	Section No. 9 Bill No. 5 External Works		KES	

Brought Forward		KES
<u>Protection Against Weeds</u>		
3	"Hyvar X" or similar approved weedkiller applied to earth or earth filling under roadways, parking areas, etc. in strict accordance with the manufacturer's instructions	m2 370
<u>Prescribed Density Tests On Filling</u>		
4	The contractor is to carry out the specified required compaction tests on a minimum 30 x 30m grid to satisfy himself that the required compaction and densities specified for roadbed preparation and all filling under roadways, parking areas, etc. has been achieved and submit results to the Engineer for approval	No 2
<u>PRECAST CONCRETE BLOCK PAVING</u>		
<u>Approved Grey Interlocking Precast Concrete Paving Blocks (Wet Crushing Strength Not Less Than 25MPa) Laid To Slight Falls In Patterns In Strict Accordance With The Manufacturer's Instructions On And Including a 25mm Thick Bed Of Clean River Sand With All Joints Filled In With Sand And To Comply With SANS 1200MJ In All Aspects</u>		
5	80mm Thick blocks to paving of roadways, parking areas, etc. including all required edge blocks, straight and raking cutting and rolling to locked-up position	m2 370
<u>Unreinforced Concrete</u>		
6	25MPa/19mm concrete restraining beams 125mm wide x 175mm deep with and including contraction joints every 3.0m and all necessary excavations, formwork, etc. complete	m 32
<u>KERBING AND CHANNELLING</u>		
<u>Precast Concrete Kerbing Finished Smooth On Exposed Surfaces Including Bedding, Jointing And Pointing All To Be Carried Out In Accordance With SABS 1200MK</u>		
7	Figure 7 barrier kerb with minimum 300 x 300 x 300mm unreinforced concrete haunching at back of each joint including all necessary excavations, backfilling, etc.	m 40
8	Ditto but circular on plan not exceeding 4m radius formed with short lengths of straight kerb, ditto	m 2
Carried Forward		KES
Section No. 9 Bill No. 5 External Works		

		Brought Forward		KES
9	Ditto but circular on plan exceeding 4m radius formed with short lengths of straight kerb, ditto	m	2	

<u>SUNDRY METALWORKS</u>				
<u>Steel Entrance Gate</u>				
10	Provide the sum of KES 290,000.00 (Two Hundred And Ninety Thousand Kenyan Shilling) for the supply and installation of <u>Steel Entrance Gate</u> complete		Item	290 000.00
<u>Steel Pipe Extension For Incinerator</u>				
11	Provide the sum of KES 100,000.00 (One Hundred Thousand Kenyan Shilling) for the supply and installation of <u>Steel Pipe For Incinerator</u> complete		Item	100 000.00
Carried Forward to Summary of Section No. 9				KES
Section No. 9				
Bill No. 5				
External Works				

Item No		Quantity	Rate	Amount
	<u>SECTION NO 9 : EXTERNAL WORKS & GENERAL</u>			
	<u>BILL NO 6</u>			
	<u>BUDGETARY ALLOWANCES</u>			
	<u>Lairages</u>			
1	Provide the budgetary allowance of KES 550,000.00 (Five Hundred And Fifty Thousand Kenyan Shilling) for the renovation work at the Lairages complete to be executed by the Contractor and measured and priced at scheduled rates	Item		550 000.00
	<u>Import of high specification tiles</u>			
2	Provide the budgetary allowance of KES 15,000,000.00 (Fifteen Million Kenyan Shilling) for the import and transport of high specification industrial floor tiles applicable to Abattoir and food facilities.	Item		15 000 000.00
	<u>Repair Gutters & Downpipes</u>			
3	Provide the budgetary allowance of KES 350,000.00 (Three Hundred And Fifty Thousand Kenyan Shilling) to repair gutter & downpipes complete to be executed by the Contractor and measured and priced at scheduled rates	Item		350 000.00
	<u>Repair External Fence</u>			
4	Provide the budgetary allowance of KES 1,300,000.00 (One Million Three Hundred Thousand Kenyan Shillings) to repair external fence complete to be executed by the Contractor and measured and priced at scheduled rates	Item		1 300 000.00
	<u>External Landscaping</u>			
5	Provide the budgetary allowance of KES 500,000.00 (Five Hundred Thousand Kenyan Shillings) for external landscaping complete to be executed by the Contractor and measured and priced at scheduled rates	Item		500 000.00
	Carried Forward to Summary of Section No. 9			KES
	Section No. 9			
	Bill No. 6			
	Budgetary Allowances			

SECTION SUMMARY - External Works & General

**Bill
No**

- 1 Earthworks
- 2 Concrete, Formwork & Reinforcement
- 3 Masonry
- 4 Waterproofing
- 5 External Works
- 6 Budgetary Allowances

**Page
No**

Amount

Carried to Final Summary

KES

Section No. 9

**Isiolo County Abattoir
Main Abattoir Civil and Building work**

Section No	<u>FINAL SUMMARY – MAIN ABATTOIR CIVIL AND BUILDING WORK</u>	Page No		Amount
1	Preliminaries & General			
2	Cattle & Camel Bleeding Area Alterations			
3	Goat & Sheep Bleeding Area Alterations			
4	Main Building Alterations			
5	New Chillers Additions			
6	Deboning & Boxing Alterations			
7	Insulation Paneling			
8	Plumbing And Drainage			
9	External Works & General			
	Sub-Total		KES	
	<u>Contingency Allowance</u>			
	Allow the amount equal to 5% of the tender amount for contingency to be expended or deducted by the Principal Agent/Engineer in whole or in part if not required.	SUM		
	TOTAL COST – CIVIL AND BUILDING WORK (CARRIED TO TENDER FORM)		KES	

PROJECT:
ISIOLO ABATTOIR - ISIOLO TOWN, KENYA



PROJECT DESCRIPTION:

Alterations and Additions at the existing Isiolo Abattoir – Main

**MAIN ABATTOIR CIVIL AND BUILDING WORK
BILL OF QUANTITIES**

2. Schedule of Payment Currencies

Forinsert name of Section of the Works

Separate tables may be required if the various sections of the Works (or of the Bill of Quantities) will have substantially different foreign and local currency requirements. The Employer should insert the names of each Section of the Works.

	A	B	C	D
Name of Payment Currency	Amount of Currency	Rate of Exchange to Local Currency	Local Currency Equivalent $C = A \times B$	Percentage of Total Bid Price (TBP) $\frac{100 \times C}{TBP}$
Local currency _____		1.00		
Foreign Currency #1 _____				
Foreign Currency #2 _____				
Foreign Currency #3 _____				
Total Bid Price				100.00
Provisional Sums Expressed in Local Currency		1.00		
TOTAL BID PRICE (Including provisional sum)				

Schedule(s) of Adjustment Data

Table A - Local Currency

Index Code	Index Description	Source of Index	Base Value and Date	Bidder's Local Currency Amount	Bidder's Proposed Weighting
	Nonadjustable	—	—	—	A: _____* B: _____* C: _____* D: _____* E: _____*
Total					1.00

[* To be entered by the Employer. Whereas “A” should a fixed percentage, B, C, D and E should specify a range of values and the Bidder will be required to specify a value within the range such that the total weighting = 1.00]

Table B - Foreign Currency

Name of Currency: _____

If the Bidder wishes to quote in more than one foreign currency, this table should be repeated for each foreign currency.

Index Code	Index Description	Source of Index	Base Value and Date	Bidder's Currency in Type/Amount	Equivalent in FC1	Bidder's Proposed Weighting
	Nonadjustable	—	—	—		A: _____* B: _____* C: _____* D: _____* E: _____*
Total						1.00

[* To be entered by the Employer. Whereas “A” should a fixed percentage, B, C, D and E should specify a range of values and the Bidder will be required to specify a value within the range such that the total weighting = 1.00]

Form of Bid Security (Bank Guarantee)

[Guarantor letterhead or SWIFT identifier code]

Beneficiary:

[Insert name and address of the Employer]

Invitation for Bids No: *[Insert reference number for the Invitation for Bids]*

Date: *[Insert date of issue]*

BID GUARANTEE No.: *[Insert guarantee reference number]*

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

We have been informed that *[insert name of the Bidder, which in the case of a joint venture shall be the name of the joint venture (whether legally constituted or prospective) or the names of all members thereof]* (hereinafter called "the Applicant") has submitted or will submit to the Beneficiary its bid (hereinafter called "the Bid") for the execution of *[insert description of contract]* under Invitation for Bids No. *[insert number]* ("the IFB").

Furthermore, we understand that, according to the Beneficiary's conditions, bids must be supported by a bid guarantee.

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 *[insert amount in letters]* (*insert amount in numbers*) upon receipt by us of the Beneficiary's complying supported by the Beneficiary's statement, whether in the demand itself or a separate signed document accompanying or identifying the demand, stating either that the Applicant:

- (a) has withdrawn its bid prior to the Bid validity expiry date specified by the Applicant in the Letter of Bid, or any extended date provided by the Applicant; or
- (b) having been notified of the acceptance of its Bid by the Beneficiary prior to the expiry date of the Bid validity or any extension thereto provided by the Applicant, (i) fails to execute the Contract Agreement or (ii) fails to furnish the performance security, and, if required, the Environmental and Social (ES) Performance Security, in accordance with the Instructions to Bidders ("ITB") of the Beneficiary's bidding document.

This guarantee will expire: (a) if the Applicant is the successful Bidder, upon our receipt of copies of the contract agreement signed by the Applicant and the performance security and, if required, the Environmental and Social (ES) Performance Security, issued to the Beneficiary upon the instruction of the Applicant; and (b) if the Applicant is not the successful Bidder, upon the earlier of (i) our receipt of a copy of the Beneficiary's notification to the Applicant of the results of the bidding process; or (ii) twenty-eight days after the expiry date of the Bid validity.

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

This guarantee is subject to the Uniform Rules for Demand Guarantees (URDG) 2010 Revision, ICC Publication No. 758.

[signature(s)]

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

Form of Bid Security (Bid Bond)

[The Surety shall fill in this Bid Bond Form in accordance with the instructions indicated.]

BOND NO. _____

BY THIS BOND [*name of Bidder*] as Principal (hereinafter called “the Principal”), and [*name, legal title, and address of surety*], authorized to transact business in [*name of country of Employer*], as Surety (hereinafter called “the Surety”), are held and firmly bound unto [*name of Employer*] as Obligee (hereinafter called “the Employer”) in the sum of [*amount of Bond*]¹⁹ [*amount in words*], for the payment of which sum, well and truly to be made, we, the said Principal and Surety, bind ourselves, our successors and assigns, jointly and severally, firmly by these presents.

WHEREAS the Principal has submitted a written Bid to the Employer dated the ____ day of _____, 20__, for the supply of [*name of Contract*] (hereinafter called the “Bid”).

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that if the Principal:

- (a) has withdrawn its Bid prior to the Bid validity expiry date set forth in the Principal’s Letter of Bid or any extended date provided by the Principal; or
- (b) having been notified of the acceptance of its Bid by the Employer prior to the expiry date of the Bid validity or any extension thereto provided by the Principal: (i) failed to execute the contract agreement; or (ii) has failed to furnish the Performance Security and, if required, the Environmental and Social (ES) Performance Security, in accordance with the Instructions to Bidders (“ITB”) of the Employer’s bidding document.

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

The Surety hereby agrees that its obligation will remain in full force and effect up to and including the date 28 days after the date of expiration Bid validity set forth in the Principal’s Letter of Bid or any extension thereto provided by the Principal.

IN TESTIMONY WHEREOF, the Principal and the Surety have caused these presents to be executed in their respective names this ____ day of _____ 20__.

Principal: _____ Surety: _____
 Corporate Seal (where appropriate)

 (Signature)
 (Printed name and title)

 (Signature)
 (Printed name and title)

¹⁹ The amount of the Bond shall be denominated in the currency of the Employer’s country or the equivalent amount in a freely convertible currency.

Form of Bid-Securing Declaration

Date: *[insert date (as day, month and year)]*

Bid No.: *[insert number of bidding process]*

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

To: *[insert complete name of Employer]*

We, the undersigned, declare that:

We understand that, according to your conditions, bids must be supported by a Bid-Securing Declaration.

We accept that we will automatically be suspended from being eligible for bidding or submitting proposals in any contract with the Employer for the period of time specified in Section II – Bid Data Sheet, if we are in breach of our obligation(s) under the bid conditions, because we:

- (a) have withdrawn our Bid prior to the expiry date of the Bid validity specified in the Letter of Bid or any extended date provided by us; or
- (b) having been notified of the acceptance of our Bid by the Employer prior to the expiry date of the Bid validity in the Letter of Bid or any extended date provided by us, (i) fail or refuse to execute the Contract, if required, or (ii) fail or refuse to furnish the Performance Security and, if required, the Environmental and Social (ES) Performance Security, in accordance with the ITB.

We understand this Bid-Securing Declaration shall expire if we are not the successful Bidder, upon the earlier of (i) our receipt of your notification to us of the name of the successful Bidder; or (ii) twenty-eight days after the expiry date of the Bid validity.

Name of the Bidder* _____

Name of the person duly authorized to sign the Bid on behalf of the Bidder**

Title of the person signing the Bid

Signature of the person named above _____

Date signed _____ day of _____, _____

*: In the case of the Bid submitted by joint venture specify the name of the Joint Venture as Bidder

** : Person signing the Bid shall have the power of attorney given by the Bidder to be attached with the Bid

[Note: In case of a Joint Venture, the Bid-Securing Declaration must be in the name of all members to the Joint Venture that submits the bid.]

Technical Proposal

Technical Proposal Forms

- **Key Personnel Schedule**
-
- **Equipment**
-
- **Site Organization**

- **Method Statement**

- **Mobilization Schedule**

- **Construction Schedule**

- **ES Management Strategies and Implementation Plans**

- **Code of Conduct (ES)**

- **Others**

Form PER -1

Key Personnel Schedule

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

Key Personnel

1.	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>
2.	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.	Title of position: Mason	
	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: Plumber	
	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>
	Title of position: <i>[insert title]</i>	
	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>

Form PER-2: Resume and Declaration Key Personnel

Name of Bidder											
Position [#1]: <i>[title of position from Form PER-1]</i>											
Personnel information	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">Name:</td> <td>Date of birth:</td> </tr> <tr> <td>Address:</td> <td>E-mail:</td> </tr> <tr> <td colspan="2">Professional qualifications:</td> </tr> <tr> <td colspan="2">Academic qualifications:</td> </tr> <tr> <td colspan="2">Language proficiency: <i>[language and levels of speaking, reading and writing skills]</i></td> </tr> </table>	Name:	Date of birth:	Address:	E-mail:	Professional qualifications:		Academic qualifications:		Language proficiency: <i>[language and levels of speaking, reading and writing skills]</i>	
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	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Address of employer:</td> </tr> <tr> <td>Telephone:</td> <td>Contact (manager / personnel officer):</td> </tr> <tr> <td>Fax:</td> <td></td> </tr> <tr> <td>Job title:</td> <td>Years with present employer:</td> </tr> </table>	Address of employer:		Telephone:	Contact (manager / personnel officer):	Fax:		Job title:	Years with present employer:		
Address of employer:											
Telephone:	Contact (manager / personnel officer):										
Fax:											
Job title:	Years with present employer:										

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 Key Personnel, 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 Bid:

Commitment	Details
Commitment to duration of contract:	<i>[insert period (start and end dates) for which this Key Personnel is available to work on this contract]</i>
Time commitment:	<i>[insert the number of days/week/months/ that this Key Personnel will be engaged]</i>

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

- (i) be taken into consideration during Bid evaluation;
- (ii) my disqualification from participating in the Bid;
- (iii) my dismissal from the contract.

Name of Key Personnel: *[insert name]*

Signature: _____

Date: (day month year): _____

Countersignature of authorized representative of the Bidder:

Signature: _____

Date: (day month year): _____

Equipment

The Bidder 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 Bidder. The Bidder shall provide all the information requested below, to the extent possible. Fields with asterisk (*) shall be used for evaluation.

Type 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	

The following information shall be provided only for equipment not owned by the Bidder.

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	

Site Organization

[insert Site Organization information]

Method Statement

[insert Method Statement]

Mobilization Schedule

[insert Mobilization Schedule]

Construction Schedule

[insert Construction Schedule]

ES Management Strategies and Implementation Plans

(ES-MSIP)

The Bidder shall submit comprehensive and concise Environmental and Social Management Strategies and Implementation Plans (ES-MSIP) as required by ITB 11.1 (h) of the Bid Data Sheet. These strategies and plans shall describe in detail the actions, materials, equipment, management processes etc. that will be implemented by the Contractor, and its subcontractors.

In developing these strategies and plans, the Bidder shall have regard to the ES provisions of the contract including those as may be more fully described in the Works Requirements in Section VII.

Code of Conduct for Contractor's Personnel (ES) Form

Note to the Employer:

The following minimum requirements shall not be modified. The Employer may add additional requirements to address identified issues, informed by relevant environmental and social assessment.

The types of issues identified could include risks associated with: labor influx, spread of communicable diseases, and Sexual Exploitation and Abuse (SEA), Sexual Harassment (SH)etc.

Delete this Box prior to issuance of the bidding documents.

Note to the Bidder:

The minimum content of the Code of Conduct form as set out by the Employer shall not be substantially modified. However, the Bidder may add requirements as appropriate, including to take into account Contract-specific issues/risks.

The Bidder shall initial and submit the Code of Conduct form as part of its bid.

CODE OF CONDUCT FOR CONTRACTOR'S PERSONNEL

We are the Contractor, [*enter name of Contractor*]. We have signed a contract with [*enter name of Employer*] for [*enter description of the Works*]. These Works will be carried out at [*enter the Site and other locations where the Works will be carried out*]. Our contract requires us to implement measures to address environmental and social risks related to the Works, including the risks of sexual exploitation, sexual abuse and sexual harassment.

This Code of Conduct is part of our measures to deal with environmental and social risks related to the Works. It applies to all our staff, laborers and other employees at the Works Site or other places where the Works are being carried out. It also applies to the personnel of each subcontractor and any other personnel assisting us in the execution of the Works. All such persons are referred to as “**Contractor's Personnel**” and are subject to this Code of Conduct.

This Code of Conduct identifies the behavior that we require from all Contractor's Personnel.

Our workplace is an environment where unsafe, offensive, abusive or violent behavior will not be tolerated and where all persons should feel comfortable raising issues or concerns without fear of retaliation.

REQUIRED CONDUCT

Contractor's Personnel shall:

- i. carry out his/her duties competently and diligently;
- ii. comply with this Code of Conduct and all applicable laws, regulations and other requirements, including requirements to protect the health, safety and well-being of other Contractor's Personnel and any other person;
- iii. maintain a safe working environment including by:
 - o ensuring that workplaces, machinery, equipment and processes under each person's control are safe and without risk to health;
 - o wearing required personal protective equipment;
 - o using appropriate measures relating to chemical, physical and biological substances and agents; and
 - o following applicable emergency operating procedures.
- iv. report work situations that he/she believes are not safe or healthy and remove himself/herself from a work situation which he/she reasonably believes presents an imminent and serious danger to his/her life or health;
- v. treat other people with respect, and not discriminate against specific groups such as women, people with disabilities, migrant workers or children;
- vi. not engage in Sexual Harassment, which means unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature with other Contractor's or Employer's Personnel;
- vii. not engage in Sexual Exploitation, which means any actual or attempted abuse of position of vulnerability, differential power or trust, for sexual purposes, including, but not limited to, profiting monetarily, socially or politically from the sexual exploitation of another;
- viii. not engage in Sexual Abuse, which means the actual or threatened physical intrusion of a sexual nature, whether by force or under unequal or coercive conditions;
- ix. not engage in any form of sexual activity with individuals under the age of 18, except in case of pre-existing marriage;

- x. complete relevant training courses that will be provided related to the environmental and social aspects of the Contract, including on health and safety matters, and Sexual Exploitation and Abuse (SEA), and Sexual Harassment (SH);
- xi. report violations of this Code of Conduct; and
- xii. not retaliate against any person who reports violations of this Code of Conduct, whether to us or the Employer, or who makes use of the grievance mechanism for Contractor's Personnel or the project's Grievance Redress Mechanism.

RAISING CONCERNS

If any person observes behavior that he/she believes may represent a violation of this Code of Conduct, or that otherwise concerns him/her, he/she should raise the issue promptly. This can be done in either of the following ways:

- i. Contact [*enter name of the Contractor's Social Expert with relevant experience in handling gender-based violence, or if such person is not required under the Contract, another individual designated by the Contractor to handle these matters*] in writing at this address [] or by telephone at [] or in person at []; or
- ii. Call [] to reach the Contractor's hotline (*if any*) and leave a message.

The person's identity will be kept confidential, unless reporting of allegations is mandated by the country law. Anonymous complaints or allegations may also be submitted and will be given all due and appropriate consideration. We take seriously all reports of possible misconduct and will investigate and take appropriate action. We will provide warm referrals to service providers that may help support the person who experienced the alleged incident, as appropriate.

There will be no retaliation against any person who raises a concern in good faith about any behavior prohibited by this Code of Conduct. Such retaliation would be a violation of this Code of Conduct.

CONSEQUENCES OF VIOLATING THE CODE OF CONDUCT

Any violation of this Code of Conduct by Contractor's Personnel may result in serious consequences, up to and including termination and possible referral to legal authorities.

FOR CONTRACTOR'S PERSONNEL:

I have received a copy of this Code of Conduct written in a language that I comprehend. I understand that if I have any questions about this Code of Conduct, I can contact [*enter name of Contractor's contact person with relevant experience*] requesting an explanation.

Name of Contractor's Personnel: [insert name]

Signature: _____

Date: (day month year): _____

Countersignature of authorized representative of the Contractor:

Signature: _____

Date: (day month year): _____

ATTACHMENT 1: Behaviors constituting Sexual Exploitation and Abuse (SEA) and behaviors constituting Sexual Harassment (SH)

ATTACHMENT 1 TO THE CODE OF CONDUCT FORM
BEHAVIORS CONSTITUTING SEXUAL EXPLOITATION AND ABUSE (SEA) AND
BEHAVIORS CONSTITUTING SEXUAL HARASSMENT (SH)

The following non-exhaustive list is intended to illustrate types of prohibited behaviors:

- a. **Examples of sexual exploitation and abuse** include, but are not limited to:
 - i. A Contractor's Personnel tells a member of the community that he/she can get them jobs related to the work site (e.g. cooking and cleaning) in exchange for sex.
 - ii. A Contractor's Personnel that is connecting electricity input to households says that he can connect women headed households to the grid in exchange for sex.
 - iii. A Contractor's Personnel rapes, or otherwise sexually assaults a member of the community.
 - iv. A Contractor's Personnel denies a person access to the Site unless he/she performs a sexual favor.
 - v. A Contractor's Personnel tells a person applying for employment under the Contract that he/she will only hire him/her if he/she has sex with him/her.
- b. **Examples of sexual harassment in a work context**
 - vi. Contractor's Personnel comment on the appearance of another Contractor's Personnel (either positive or negative) and sexual desirability.
 - vii. When a Contractor's Personnel complains about comments made by another Contractor's Personnel on his/her appearance, the other Contractor's Personnel comment that he/she is "asking for it" because of how he/she dresses.
 - viii. Unwelcome touching of a Contractor's or Employer's Personnel by another Contractor's Personnel.
 - ix. A Contractor's Personnel tells another Contractor's Personnel that he/she will get him/her a salary raise, or promotion if he/she sends him/her naked photographs of himself/herself.

Others

Bidder's Qualification

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

Form ELI -1.1: Bidder Information Form

Date: _____
 ICB No. and title: _____
 Page _____ of _____ pages

Bidder's name
In case of Joint Venture (JV), name of each member:
Bidder's actual or intended country of registration: <i>[indicate country of Constitution]</i>
Bidder's actual or intended year of incorporation:
Bidder's legal address [in country of registration]:
Bidder's authorized representative information Name: _____ Address: _____ Telephone/Fax numbers: _____ E-mail address: _____
1. Attached are copies of original documents of <ul style="list-style-type: none"> <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 ITB 4.3. <input type="checkbox"/> In case of JV, letter of intent to form JV or JV agreement, in accordance with ITB 4.1. <input type="checkbox"/> In case of Government-owned enterprise or institution, in accordance with ITB 4.5 documents establishing: <ol style="list-style-type: none"> 1. Legal and financial autonomy 2. Operation under commercial law 3. Establishing that the Bidder is not dependent agency of the Employer 2. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.

Form ELI -1.2: Information Form for JV Bidders

(to be completed for each member of Joint Venture)

Date: _____

ICB No. and title: _____

Page _____ of _____ pages

Bidder's Joint Venture 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: _____
1. Attached are copies of original documents of <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 ITB 4.3. <input type="checkbox"/> In case of a Government-owned enterprise or institution, documents establishing legal and financial autonomy, operation in accordance with commercial law, and absence of dependent status, in accordance with ITB 4.5.
2. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.

Form CON – 2: Historical Contract Non-Performance, Pending Litigation and Litigation History

Bidder's Name: _____

Date: _____

Joint Venture Member's Name _____

ICB No. and title: _____

Page _____ of _____ pages

Year	Non-performed portion of contract	Contract Identification	Total Contract Amount (current value, currency, exchange rate and US\$ equivalent)
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			
<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 Employer: <i>[insert full name]</i> Address of Employer: <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), USD Equivalent (exchange rate)
		Contract Identification: _____ Name of Employer: _____ Address of Employer: _____ Matter in dispute: _____ Party who initiated the dispute: _____ Status of dispute: _____	
		Contract Identification: Name of Employer: Address of Employer: 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), USD Equivalent (exchange rate)

<i>[insert year]</i>	<i>[insert percentage]</i>	Contract Identification: [indicate complete contract name, number, and any other identification] Name of Employer: <i>[insert full name]</i> Address of Employer: <i>[insert street/city/country]</i> Matter in dispute: <i>[indicate main issues in dispute]</i> Party who initiated the dispute: <i>[indicate "Employer" or "Contractor"]</i> Reason(s) for Litigation and award decision <i>[indicate main reason(s)]</i>	<i>[insert amount]</i>
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Form CON – 3: Environmental and Social Performance Declaration

[The following table shall be filled in for the Bidder, each member of a Joint Venture and each Specialized Subcontractor]

Bidder's Name: *[insert full name]*

Date: *[insert day, month, year]*

Joint Venture Member's or Specialized Subcontractor's Name: *[insert full name]*

ICB No. and title: *[insert ICB number and title]*

Page *[insert page number]* of *[insert total number]* pages

Environmental and Social Performance Declaration in accordance with Section III, Qualification Criteria, and Requirements			
<input type="checkbox"/> No suspension or termination of contract: An employer has not suspended or terminated a contract and/or called the performance security for a contract for reasons related to Environmental, or Social (ES) performance since the date specified in Section III, Evaluation and Qualification Criteria, Sub-Factor 2.5.			
<input type="checkbox"/> Declaration of suspension or termination of contract: The following contract(s) has/have been suspended or terminated and/or Performance Security called by an employer(s) for reasons related to Environmental or Social (ES) performance since the date specified in Section III, Evaluation and Qualification Criteria, Sub-Factor 2.5. Details are described below:			
Year	Suspended or terminated portion of contract	Contract Identification	Total Contract Amount (current value, currency, exchange rate and US\$ 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 Employer: <i>[insert full name]</i> Address of Employer: <i>[insert street/city/country]</i> Reason(s) for suspension or termination: <i>[indicate main reason(s) e.g. for gender-based violence; sexual exploitation or sexual abuse breaches]</i>	<i>[insert amount]</i>

<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 Employer: <i>[insert full name]</i> Address of Employer: <i>[insert street/city/country]</i> Reason(s) for suspension or termination: <i>[indicate main reason(s)]</i>	<i>[insert amount]</i>
...	...	<i>[list all applicable contracts]</i>	...
Performance Security called by an employer(s) for reasons related to ES performance			
Year	Contract Identification		Total Contract Amount (current value, currency, exchange rate and US\$ equivalent)
<i>[insert year]</i>	Contract Identification: <i>[indicate complete contract name/ number, and any other identification]</i> Name of Employer: <i>[insert full name]</i> Address of Employer: <i>[insert street/city/country]</i> Reason(s) for calling of performance security: <i>[indicate main reason(s) e.g. for gender-based violence; sexual exploitation, or sexual abuse breaches]</i>		<i>[insert amount]</i>

Form CON – 4 Sexual Exploitation and Abuse (SEA) and/or Sexual Harassment Performance Declaration

[The following table shall be filled in by the Bidder, each member of a Joint Venture and each subcontractor proposed by the Bidder]

Bidder's Name: *[insert full name]*

Date: *[insert day, month, year]*

Joint Venture Member's or Subcontractor's Name: *[insert full name]*

RFB No. and title: *[insert RFB number and title]*

Page *[insert page number]* of *[insert total number]* pages

<p>SEA and/or SH Declaration</p> <p>in accordance with Section III, Evaluation and Qualification Criteria</p>
<p>We:</p> <p><input type="checkbox"/> (a) have not been subject to disqualification by the Bank for non-compliance with SEA/ SH obligations</p> <p style="padding-left: 40px;"><input type="checkbox"/> (b) are subject to disqualification by the Bank for non-compliance with SEA/ SH obligations</p> <p><input type="checkbox"/> (c) had been subject to disqualification by the Bank for non-compliance with SEA/ SH obligations. An arbitral award on the disqualification case has been made in our favor.</p> <p><input type="checkbox"/> (d) had been subject to disqualification by the Bank for non-compliance with SEA/ SH obligations for a period of two years. We have subsequently demonstrated that we have adequate capacity and commitment to comply with SEA/ SH obligations.</p> <p><input type="checkbox"/> (e) had been subject to disqualification by the Bank for non-compliance with SEA/ SH obligations for a period of two years. We have attached evidence demonstrating that we have adequate capacity and commitment to comply with SEA/ SH obligations.</p>
<p>[If (c) above is applicable, attach evidence of an arbitral award reversing the findings on the issues underlying the disqualification.]</p>
<p>[If (d) or (e) above are applicable, provide the following information:]</p>
<p>Period of disqualification: From: _____ To: _____</p>
<p>If previously provided on another Bank financed works contract, details of evidence that demonstrated adequate capacity and commitment to comply with SEA/ SH obligations (as per (d) above)</p>

<p>Name of Employer: _____</p> <p>Name of Project: _____</p> <p>Contract description: _____</p> <p>Brief summary of evidence provided: _____</p> <p>_____</p> <p>Contact Information: (Tel, email, name of contact person): _____</p> <p>_____</p>
<p>As an alternative to the evidence under (d), other evidence demonstrating adequate capacity and commitment to comply with SEA/ SH obligations (as per (e) above) [attach details as appropriate].</p>

Form CCC: Current Contract Commitments / Works in Progress

Bidders and each partner 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.

Name of contract	Employer, contact address/tel/fax	Value of outstanding work (current US\$ equivalent)	Estimated completion date	Average monthly invoicing over last six months (US\$/month)
1.				
2.				
3.				
4.				
5.				
etc.				

Form FIN – 3.1: Financial Situation and Performance

Bidder's Name: _____

Date: _____

Joint Venture Member's Name _____

ICB No. and title: _____

Page _____ of _____ pages

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	Year4	Year 5
Statement of Financial Position (Information from Balance Sheet)					
Total Assets (TA)					
Total Liabilities (TL)					
Total Equity/Net Worth (NW)					
Current Assets (CA)					
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					

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 (US\$ equivalent)
1		
2		
3		

2. Financial documents

The Bidder and its parties shall provide copies of financial statements for **THREE** years pursuant Section III, Evaluation and Qualifications Criteria, Sub-factor 3.2. The financial statements shall:

- (a) reflect the financial situation of the Bidder 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 statements²⁰ for the _____ years required above; and complying with the requirements

²⁰ If the most recent set of financial statements is for a period earlier than 12 months from the date of bid, the reason for this should be justified.

Form FIN - 3.2: Average Annual Construction Turnover

Bidder's Name: _____

Date: _____

Joint Venture Member's Name _____

ICB No. and title: _____

Page _____ of _____ pages

		Annual turnover data (construction only)	
Year	Amount Currency	Exchange rate	USD 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.

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)

Source of financing	Amount (US\$ equivalent)
1.	
2.	
3.	
4.	

Form EXP - 4.1: General Construction Experience

Bidder's Name: _____

Date: _____

Joint Venture Member's Name _____

ICB No. and title: _____

Page _____ of _____ pages

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

Form EXP - 4.2(a): Specific Construction and Contract Management Experience

Bidder's Name: _____

Date: _____

Joint Venture Member's Name _____

ICB No. and title: _____

Page _____ of _____ pages

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			US\$ *	
If member in a JV or sub-contractor, specify participation in total Contract amount			*	
Employer's Name:				
Address:				
Telephone/fax number				
E-mail:				

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	

Form EXP - 4.2(b): Construction Experience in Key Activities

Bidder's Name: _____

Date: _____

Joint Venture Member's Name _____

Sub-contractor's Name²¹ (as per ITB 34.2 and 34.3): _____

ICB No. and title: _____

Page _____ of _____ pages

Sub-contractor's Name (as per ITB 34.2 and 34.3): _____

All Sub-contractors for key activities must complete the information in this form as per ITB 34.2 and 34.3 and Section III, Qualification Criteria and Requirements, 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				US\$
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				
Employer's Name:				

²¹ If applicable.

Form EXP - 4.2(c): Specific Experience in Managing ES aspects

[The following table shall be filled in for contracts performed by the Bidder, and each member of a Joint Venture]

Bidder's Name: _____

Date: _____

Bidder's JV Member Name: _____

RFB No. and title: _____

Page _____ of _____ pages

1. Key Requirement no 1 in accordance with 4.2 (c): _____

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"/>	Subcontractor <input type="checkbox"/>
Total Contract Amount			US\$	
Details of relevant experience				

2. Key Requirement no 2 in accordance with 4.2 (c): _____

3. Key Requirement no 3 in accordance with 4.2 (c): _____

Section V - Eligible Countries

Eligibility for the Provision of Goods, Works and Services in Bank-Financed Procurement

1. In reference to ITB 4.7, and 5.1, for the information of the Bidders, at the present time firms, goods and services from the following countries are excluded from this bidding process:

Under ITB 4.7 (a) and 5.1 *[insert a list of the countries following approval by the Bank to apply the restriction or state “none”]*

Under ITB 4.7 (b) and 5.1 *[insert a list of the countries following approval by the Bank to apply the restriction or state “none”]*

Section VI. Bank Policy - Corrupt and Fraudulent Practices

(Section VI shall not be modified)

Guidelines for Procurement of Goods, Works, and Non-Consulting Services under IBRD Loans and IDA Credits & Grants by World Bank Borrowers, dated January 2011:

“Fraud and Corruption:

1.16 It is the Bank’s policy to require that Borrowers (including beneficiaries of Bank loans), bidders, suppliers, contractors and their agents (whether declared or not), sub-contractors, sub-consultants, service providers or suppliers, and any personnel thereof, observe the highest standard of ethics during the procurement and execution of Bank-financed contracts.²² In pursuance of this policy, the Bank:

- (a) defines, for the purposes of this provision, 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;²³
 - (ii) “fraudulent practice” is any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;²⁴
 - (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;²⁵
 - (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;²⁶
 - (v) “obstructive practice” is
 - (aa) deliberately destroying, falsifying, altering, or concealing of evidence material to the investigation or making false statements to

²² In this context, any action to influence the procurement process or contract execution for undue advantage is improper.

²³ For the purpose of this sub-paragraph, “*another party*” refers to a public official acting in relation to the procurement process or contract execution. In this context, “*public official*” includes World Bank staff and employees of other organizations taking or reviewing procurement decisions.

²⁴ For the purpose of this sub-paragraph, “*party*” refers to a public official; the terms “*benefit*” and “*obligation*” relate to the procurement process or contract execution; and the “*act or omission*” is intended to influence the procurement process or contract execution.

²⁵ For the purpose of this sub-paragraph, “*parties*” refers to participants in the procurement process (including public officials) attempting either themselves, or through another person or entity not participating in the procurement or selection process, to simulate competition or to establish bid prices at artificial, non-competitive levels, or are privy to each other’s bid prices or other conditions.

²⁶ For the purpose of this sub-paragraph, “*party*” refers to a participant in the procurement process or contract execution.

investigators in order to materially impede a Bank investigation 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

- (bb) acts intended to materially impede the exercise of the Bank's inspection and audit rights provided for under paragraph 1.16(e) below.
- (b) will reject a proposal for award if it determines that the bidder recommended for award, or 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;
- (c) will declare misprocurement and cancel the portion of the loan allocated to a contract if it determines at any time that representatives of the Borrower or of a recipient of any part of the proceeds of the loan engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices during the procurement or the implementation of the contract in question, without the Borrower having taken timely and appropriate action satisfactory to the Bank to address such practices when they occur, including by failing to inform the Bank in a timely manner at the time they knew of the practices;
- (d) will sanction a firm or individual, at any time, in accordance with the prevailing Bank's sanctions procedures,²⁷ including by publicly declaring such firm or individual ineligible, either indefinitely or for a stated period of time: (i) to be awarded a Bank-financed contract; and (ii) to be a nominated²⁸ sub-contractor, consultant, supplier, or service provider of an otherwise eligible firm being awarded a Bank-financed contract;
- (e) will require that a clause be included in bidding documents and in contracts financed by a Bank loan, requiring bidders, suppliers and contractors, and their sub-contractors, agents, personnel, consultants, service providers, or suppliers, to permit the Bank to inspect all accounts, records, and other documents relating to the submission of bids and contract performance, and to have them audited by auditors appointed by the Bank.”

²⁷ A firm or individual may be declared ineligible to be awarded a Bank financed contract upon: (i) completion of the Bank's sanctions proceedings as per its sanctions procedures, including, inter alia, cross-debarment as agreed with other International Financial Institutions, including Multilateral Development Banks, and through the application the World Bank Group corporate administrative procurement sanctions procedures for fraud and corruption; and (ii) as a result of temporary suspension or early temporary suspension in connection with an ongoing sanctions proceeding. See footnote 14 and paragraph 8 of Appendix 1 of these Guidelines.

²⁸ A nominated sub-contractor, consultant, manufacturer or supplier, or service provider (different names are used depending on the particular bidding document) is one which has either been: (i) included by the bidder in its pre-qualification application or bid because it brings specific and critical experience and know-how that allow the bidder to meet the qualification requirements for the particular bid; or (ii) appointed by the Borrower.

PART 2 – Works Requirements

Section VII - Works Requirements

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Specifications

<p>PROJECT:</p> <p>ISIOLO ABATTOIR - ISIOLO TOWN, KENYA</p>	
<p>PROJECT DESCRIPTION:</p> <p>Alterations and Additions at the existing Isiolo Abattoir – Main Abattoir Building</p>	

**CIVIL AND BUILDING WORK
TENDER SPECIFICATION**

(a) SCOPE OF WORK

The Isiolo County Government (*Name of procuring entity*) invites sealed tenders for Civil, Building Work required for the upgrading of existing Isiolo abattoir to export standards.

The type of construction work and finish of buildings required, is to meet a high hygienic standard for the abattoir facility to achieve export food factory status.

Majority of the work will consist of alterations to the existing building. A new cold rooms facility is to be constructed next to the existing building. The new building will consist of steel roof structure with insulated panel wall and ceiling.

The work includes the preparation of the building for the installation of mechanical slaughter and refrigeration equipment and therefore will be completed in conjunction with the mechanical and refrigeration work. These contracts have already been awarded and therefore construction work program will be coordinated with the manufacture and installation of these equipment.

The work includes (however, not limited to) the following:

Civil and Building Work

- a. Clearing vegetation
- b. Excavating and backfill for foundations, piping and cabling.
- c. Casting concrete elements such as foundation, new floors, etc.
- d. Breaking and removing of existing walls, tiles and structural elements
- e. Construction of walls
- f. Erection of timber roofs and trusses
- g. Carpentry, joinery and installation of high spec ironmongery
- h. Plastering, painting and tiling of walls and floors.
- i. Shaping and finishing of covings and sloped surfaces out of concrete, plaster and tiles required for hygienic purposes.
- j. Plumbing and drainage of buildings
- k. Sourcing and installation of items of specialist nature applicable to food facilities. (Stainless steel floor drains, floor grating, stainless steel conduits and piping, etc.)

(b) SITE DATA

The facility is located approximately 6.5km outside central Isiolo town and is accessible via well-established dirt road. (Site Coordinates: 0°19'44"N ; 37°32'30"E)

The site consists of an existing abattoir facility, fenced with paved and gravel roads surrounding the site and multiple points of access. The building is a concrete framed building with concrete blockwork walls build between concrete columns and ring beams.

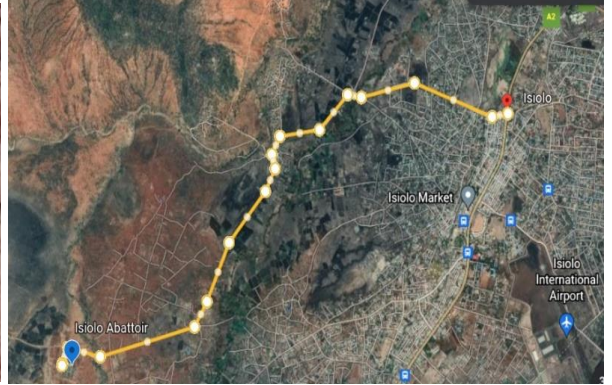
Existing structures include:

- Guard house
- Office building
- Main slaughter building including chillers and offal rooms
- Changeroom amenities
- Hides/skins shed
- Incinerator
- Refrigerated container
- Electrical generator house
- Livestock Offloading facilities
- Water tower and reservoir
- Biofiltration effluent treatment system

It should be noted that contractor understand site conditions should it be so necessary as no claim will be recognized on the grounds of lack of knowledge of any conditions pertaining to the site, building dimensions, available space, misunderstanding the nature of the site or any other information available regarding the site being considered.

Water and electrical supply is not currently available. Municipal (water and power) and borehole connections are present on site, however, have been disconnected. These connections will be restored during the course of the project, upon which supply will be granted to contractors.

Allowance should be made to travel to the facility to obtain all the necessary information before manufacturing of items required in this contract.



(c) SCHEDULE OF QUANTITIES

- a. The quantities in the Schedule of Quantities shall not be used for the ordering of material. The successful Tenderer shall ascertain the correct quantities before ordering
- b. In all instances the depth of trench shall be measured from ground level to the specified invert level of the relevant pipe
- c. The Contractor must establish the nature of the soil in which excavations are to be executed and his prices are to include for all types of material which may be encountered. The Contractor must satisfy himself as to the exact soil strata composition before pricing his excavation.
- d. Rates for brickwork/blockwork shall include for all ordinary rough cutting, plumbing angles, forming reveals, fitting between concrete or steel columns and up to the underside of concrete or steel beams, slabs and the like, supplying and building in of wire ties to cavity walls etc., soaking bricks in water, hoisting bricks, mortar and the like to various floor levels and for raking out joints of brickwork to be plastered or tiled.
- e. The rates of all plastering, granolithic and paving shall include for curing as specified, for narrow widths, thickening and dubbing out to line up with finishing on adjacent surfaces, mouldings, rounded angled, V-joints, fair edges, etc., and for preparing surfaces as specified and working up to corrugated or fluted roof profiles. In all plastering on brickwork a portion will be on concrete to piers, beams, lintels, etc., occurring in same. The rates for plastering to concrete shall include for the removal of grease spots and laitance, washing down and applying a cement/sand slurry prior to plastering operations.
- f. Fabricated steelwork where measured by mass, will be measured net and no allowance will be made for cutting and waste, rolling margin or other permissible deviations from standard mass
- g. The Tenderer is at liberty to insert a rate of his own choice for each item in the Schedule and his attention is drawn to the fact that the Contractor has the right under various circumstances, to payment for additional works carried out and that the Engineer is obliged to base his assessment of the rates to be paid for such additional work on the rates inserted in the Schedule by the Contractor.
- h. Unless otherwise stated, items are measured nett in accordance with the drawings, and no allowance has been made for waste.
- i. The prices and rates to be inserted in the Schedule of Quantities are to be the full inclusive prices to the Employer for the work described under the various items. Such prices shall cover all costs and expenses that may be required in and for the construction of the work described, and shall cover the cost of all general risks, liabilities and obligations set forth or implied in the documents on which the tender is based
- j. VAT is not to be included in unit rates but is added to the final summary total.
- k. A price or rate is to be entered against each item in the Schedule of Quantities,

whether the quantities are stated or not. An item against which no price is entered will be considered to be covered by the other prices or rates in the Schedule.

- l. Should any unit price be considered high or low, the right is reserved to negotiate with the Tenderer to obtain mutually acceptable unit prices or to reject the tender as a whole.
- m. The quantities in the Schedule of Quantities are not fixed and can be increased or decreased during the construction stage.
- n.

(d) **PRELIMINARY AND GENERAL ITEMS**

- a. The Tenderers attention is drawn to the fact that these items are provided to cover the specific conditions pertaining to this project. Should Tenderers, however, insert abnormally high prices against these items in order to finance the contract during the initial stages, the Client reserves the right to reject the tender.
- b. Payment for time-related items will be effected monthly, either in proportion to the lapsed time or in proportion to the value of work done, whichever method results into the smallest payment.
- c. Payment for site establishment items [non-time-related] will be effected once all obligations under the specific item have been fulfilled.

(e) **CONSTRUCTION PROGRAMME**

The successful Tenderer shall submit a program, within 14 days after receiving the Letter of Acceptance showing the order of procedure and method in which he proposes to carry out the Works.

This program shall reflect the completion time as stated in the Tender and program shall include a bar chart to show the proposed scheduling and methods of execution of the works and resources to be allocated to each item or phase of the work.

CIVIL AND BUILDING WORK SPECIFICATIONS

All work shall conform to the standard building regulations and codes of Republic of Kenya. Where no applicable regulation or specification is available, the following standardized specifications shall be used:

SABS 1200	A	-1986	: General
SABS 1200	AB	-1986	: Engineers Office
SABS 1200	C	-1986	: Site Clearance
SABS 1200	D	-1986	: Earthworks
SABS 1200	DA	-1986	: Earthworks [Small Works]
SABS 1200	DB	-1986	: Earthworks [Pipe Trenches]
SABS 1200	DM	-1986	: Earthworks [Roads, sub-grade]
SABS 1200	G	-1982	: Concrete (structural)
SABS 1200	GA	-1982	: Concrete [Small Works]
SABS 1200	GB	-1984	: Concrete (ordinary buildings)
SABS 1200	GE	-1984	: Precast concrete (structural)
SABS 1200	GF	-1984	: Pre-stressed concrete
SABS 1200	H	-1990	: Structural Steelwork
SABS 1200	HA	-1990	: Structural steelwork (sundry items)
SABS 1200	HB	-1988	: Cladding and sheeting
SABS 1200	HC	-1988	: Corrosion protection of structural steelwork
SABS 1200	L	-1983	: Medium Pressure Pipe Lines
SABS 1200	LB	-1983	: Bedding (Pipes)
SABS 1200	LC	-1981	: Cable Ducts
SABS 1200	LD	-1982	: Sewers
SABS 1200	LE	-1986	: Storm water Drainage
SABS 1200	M	-1986	: Roads general
SABS 1200	ME	-1986	: Sub-base
SABS 1200	MF	-1986	: Base
SABS 1200	MJ	-1984	: Segmented Paving
SABS 1200	MM	-1986	: Ancillary Roadworks
SANS 2001	CS1	-2012	: Structural Steelwork
SANS 2001	CC1	-2012	: Concrete works (structural)
SANS 2001	CM1	-2012	: Masonry walling
SANS 2001	EM1	-2007	: Cement plaster
SANS 10064	- -	-2011	: Preparation of steel surfaces for coating

PSP SPECIFICATION FOR BUILDING WORK**PSEM CEMENT PLASTER [SANS 2001 EM1]****PSEM.1. Plastering - [Sub-clause 4.2.3]**

All plaster will be finished smooth, unless otherwise indicated on drawing. All angles and edges to be arris round. Plaster shall not be more than 12mm thick when applied in one coat.

Should any defects appear in the plaster during the period of upholding, it shall be at the discretion of the Engineer to have the defective portions stripped and replastered at the Contractor's expense.

PSNT PAINT**PSNT 1 Paint Preparatory Work****Plastered Surfaces**

Plastered surfaces shall be thoroughly inspected and, if necessary, washed down and brushed in order to remove any traces of efflorescence and allowed to dry completely before any paint finish is applied. Before any paint is applied, holes, cracks and irregularities in plaster and other surfaces shall be filled with a suitable filler and finished smooth. Unfinished concrete surfaces shall have all projections rubbed off and shall be thoroughly cleaned with a spirits-of-salts solution (1-part concentrated spirits-of-salts to 4 parts water).

PSNT 2 Paint requirements

All internal wall paint must be Anti Fungi and/or Anti-Bacterial type. All other paint approved by engineer.

All paint to be of the best quality and highest grade produced by approved manufacturers. All paints, oils, etc. shall be used from the original containers of the manufacturers and such containers are to be brought onto the site unopened. No adulteration will be permitted. Ready-mixed paint shall be used direct from its original container,

without any addition or changes and strictly in accordance with the manufacturer's direction.

PSH STRUCTURAL STEELWORK [SANS 1200 H & SANS CS1]**PSHB CLADDING & SHEETING [SANS 1200 HB]****PSH 1 Thickness of sheeting [Sub-Clause 3.1]**

Roof sheeting shall be galvanised IBR manufactured from Z600 24 gauge (ISQ G550steel 0.58mm thick. The Contractor is to submit a certificate, signed by the Merchant, stating that the galvanized roof covering supplied complies with the required thickness specified.

PSH 2 Fixings & Laps [Sub-Clause 5.5.3]

Roof sheets shall be in single lengths to each slope of roof or to both roof slopes where a ridge is to be formed by bending the sheets over the ridge.

Unless otherwise specified in this section, profiled metal roofing sheets shall be used and fixed all in accordance with SASS Code of Practice 0237.

PSHC CORROSION PROTECTION [SANS 1200 HC & SANS CS1]**PSHC 1 Protective treatment [Sub-Clause 5.4.3.1]**

Structural steelwork shall be cleaned and prepared by wire brushing and all surfaces shall be primed as specified to a minimum dry film thickness of 30 micrometres before leaving the workshop. Upon delivery to the site and again after erection all bared surfaces shall be made good with similar primer

PSHC 2 Galvanizing of steel [Sub-Clause 5.9]

Steelwork described as “galvanized” shall be galvanized by means of the hot-dip process after fabrication. Where welding on site is unavoidable, such welded joints shall be cleaned down and cold galvanized to approval

PSHC 3 Aluminium

Aluminium extrusions shall be of 6063-T6 alloy and tempered.

Aluminium sheet and strips shall be of 1200-H4 alloy and temper.

Joints in all aluminium members shall be formed in an approved manner so that the joints are practically invisible. Screw heads, pins, rivets, etc. shall be concealed as far as possible. 300 Series stainless steel screws and bolts shall be used for jointing and fixing aluminium work

The surfaces of all aluminium which are in contact with other materials when fixed shall be suitably insulated with a non-absorbent insulating material to prevent corrosion. All aluminium work shall be suitably protected against damage, deterioration or discolouration caused by mortar droppings, paint, etc. by taping with removable tape, covering with temporary casings or by covering with motor oil

Aluminium described as “anodized” shall be treated with Grade 25 coating thickness for exterior use or Grade 15 for interior use as specified, to the required finish. All alloys to be anodized shall be suited to anodizing

PSG 4 Supervision

A competent and experienced foreman shall superintend personally the whole of the concrete construction and pay special attention to:

- (a) The quality, testing and mixing of materials,
- (b) The placing and compaction of concrete,
- (c) The construction and removal of formwork and
- (d) The sizes and position of reinforcement

The Contractor shall obtain the permission of the Engineer before commencing concreting of foundations or reinforced structure

No inspection, approval, authorisation to proceed, comment or instructions following from such an inspection, or failure of the Engineer to comment on any particular aspect of the work, shall be deemed to relieve the Contractor in any way from his obligation to ensure through his own supervision that the work is constructed in every way in accordance with the Drawings, Specification and Conditions of Contract, nor relieve him from his obligations to make good any fault or defect, nor shall it be deemed that there is any obligation on the Engineer to inspect all or any part of the Works or that such inspection is necessarily complete in every respect

PP: COLD ROOM INSULATION**PP1. General**

This Specification covers the supply and insulation of thermal insulation systems for cold rooms and refrigerated area generally, including the supply and installation of cold room doors and the like.

PP2. Guarantee

All materials and workmanship shall be guaranteed for a minimum period of five years against failure. The guarantee shall include for the removal of defective materials and all labour and replacement materials to complete the insulation work to the specified standards.

PP3. Pre-fabricated walls and ceiling

The insulated pre-fabricated panels shall be manufactured from 0.5 mm thick galvanized (Aluminium Zinc - AZ150) pre-painted sheet steel lining finished in silicon polyester white acrylic 25 micron paint with the reverse side suitably adhesive bonded with 2 parts catalyst and heat polymerising type to 15 kg/m³ Expanded Polystyrene (EPS).

Panel joints shall be of the male-female type configuration. The joints between the panels must ensure a continuous insulation with no thermal bridges or air gaps. Top and bottom restraint for wall panels shall be provided together with appropriate intermediate supports where required.

Roof panel suspension shall be by means of steel cables secured to the roof steelwork or concrete in positions approved by Engineer, and to the panels by means of a pre-fabricated “T” section hanger bracket. (No thermal bridging).

Ceiling panels shall not deflect more than 1/240th of the span and shall be capable of carrying the mass of a man walking on them (100 kg).

Generally, ceiling support hangers shall not penetrate the ceilings. Where this is unavoidable the hanger shall be made of non-conductive material and shall be effectively vapour-sealed at the points of penetration.

Roof to wall joints and wall corner joints shall be affected by butting panels separated by mineral wool layer and cavity filled where condition occurs with polystyrene blocks.

The floor to wall joints shall be finished with an aluminium angle or channel and the design/installation of the panels shall be such that neat sealed joints, without any ledges, shall be formed between the concrete up stands and the panels.

All wall to wall corners, shall be rounded to a minimum radius of 25 mm and wall to ceiling corners shall be formed with a 50 x 50 x 3 aluminium angle, without any cavity being left behind the surface material.

All junctions between panels shall have vapour seals. Flashings are to be provided, where necessary over the vapour seal for cosmetic purposes.

All joints must be sealed. Outer face joints shall be sealed with a moisture curing polyurethane based sealant to ensure that no moisture or vapour can infiltrate the insulation.

The bonding agents and the sealing agents shall be to the Engineer's approval. If required, the Contractor shall submit sections of panels for testing.

Any fixings to the outside of the panels shall be sealed to form a continuation of the vapour barrier and prevent the ingress of moisture.

PP4. COLD ROOM DOORS

The doors for all cold rooms, freezers and refrigerated areas shall be of robust construction, hand operated and with the same insulation characteristics as the walls of the room to which they are fitted. Sliding doors and hinged doors shall be used as directed.

Door frames shall be aluminium framed. Thermal bridges must be avoided. Door reveals should be constructed in a manner, which avoids cold tracking and the consequent formation of moisture or ice.

Suitable gaskets shall be provided to form a seal around the door opening.

All freezer doors shall incorporate door frame heating elements between double gaskets. Heater tapes or other suitable heating devices shall be incorporated in the door edge and/or frame reveals and floor below the door in order to avoid build-up of ice or condensation in room operating below 0°C.

All freezer doors shall incorporate door frame heating elements between double gaskets.

PP5. THERMAL INSULATION OF PIPING AND ELECTRICAL OPENINGS

Wherever openings are built into refrigerated rooms, ceilings or walls for piping and electric cables, the openings shall be fitted with sleeves constructed from fibre glass or equal and approve non-conductive material.

The sleeves shall be installed before the thermal insulation of the room is commenced. The vapour barriers in the rooms shall be fixed in one continuous layer to the outside of the sleeves, great care being taken to seal against moisture penetration at the corners.

After piping and electrical cables have been run through the sleeves, the contractor shall thermally insulate the sleeves and complete the vapour barrier, ensuring that it is continuous with the vapour barrier in the room.

PP6. VAPOUR BARRIERS

The contractor shall ensure that the vapour barrier fully and completely envelopes each group of chillers and freezers and is not damaged by subsequent operations. No insulation materials shall be applied until the vapour barrier has been inspected and approved by the Engineer.

a) Vapour Barrier to floors of Freezers

Vapour barrier to freezer floors shall be 250 micron Hyperlastic SABS approved, to be laid on top of a 25 mm thick, 25 kg/m³ density, polystyrene sheet. The vapour barrier shall have overlapping joints of 200 mm and shall be carefully glued and finished off with at least 50 mm wide strip of bituthene adhesive tape. The manufacturer recommended adhesive tape shall be used throughout.

In the case of the floor to wall joint for prefabricated wall panels, the vapour barrier shall be turned up by 200 mm and sealed to the outside

of the external panel walls of each group of cold rooms, between cold rooms the vapour barrier shall continue under the partitioning panels.

Special care must be taken to ensure that no holes or pin holes are made in the vapour barrier during construction. Any such holes shall be covered with the same sheeting and the edges of the patch shall be 200 mm from the extremity of the holes and glued and sealed with tape as specified for the overlaps. Should damage be extensive the engineer might instruct to replace the vapour barrier.

PP7. INSULATION TO FREEZER FLOORS

After application of the vapour barrier, two layers of moulded (virgin Grade) 24kg/m³ density polystyrene panels 75 mm thick shall be laid. The panels shall be laid so that the joints in the top and bottom layers are staggered. A layer of 150 micron polythene sheet shall be laid on top of the insulation with 150 mm overlap which shall not be sealed. The concrete floor slab, as specified, shall be cast over the polythene sheeting.

PP8. UNDERFLOOR ELECTRICAL HEATING

Two separate heating circuits shall be installed on the sub floor of 9 W/m² each, the circuits must be staggered.

The heating tape size, spacing and electrical requirements shall be submitted by the contractor to the Engineer for approval.

A temperature sensor probe shall be installed underneath the heating mat. The sensor probe shall be installed within a P.V.C conduit with the end of the conduit located above the concrete floor in order that the probe can be removed and be replaced if necessary. The cold tails shall be located within the conduit. The probe shall be located approximately 3 m in from the walls.

A control box shall be installed which will automatically switch on the heating mat when the temperature drops to a pre-set temperature. The control box shall be fitted with a pilot light. The electrical supply to the control box will be done by others. The control box shall be installed in a position to be indicated by the Engineer. The complete system shall be tested prior to screeding and immediate thereafter.

PP9. DRAWINGS TO BE SUBMITTED BY CONTRACTOR

As soon after the award of contract as practicable, and at least 3 weeks before commencement of any insulation work, the Contractor shall submit for the Engineer's approval the following details and drawings:

At a scale of not less than 1:10:

- i. The cross-sections of the panels to be used;
- ii. The joint detail between panels;
- iii. The joint detail at corners between panels;
- iv. The joint detail between floor and panel;
- v. The joint detail between ceiling and wall panels;
- vi. Door and door frame details where applicable;

Environmental and Social Requirements

The Employer should include a suitably qualified Environmental and Social specialist/s.

The Employer should attach or refer to the Employer’s environmental and social, policies that will apply to the project. If these are not available, the Employer should use the following guidance in drafting an appropriate policy for the Works.]

SUGGESTED CONTENT FOR AN ENVIRONMENTAL AND SOCIAL POLICY (STATEMENT)

The Works’ policy goal, as a minimum, should be stated to integrate environmental protection, occupational and community health and safety, gender, equality, child protection, vulnerable people (including those with disabilities), sexual harassment, gender-based violence, Sexual Exploitation and Abuse (SEA), HIV/AIDS awareness and prevention and wide stakeholder engagement in the planning processes, programs, and activities of the parties involved in the execution of the Works. The Employer is advised to consult with the World Bank to agree the issues to be included which may also address: climate adaptation, land acquisition and resettlement, indigenous people, etc. The policy should set the frame for monitoring, continuously improving processes and activities and for reporting on the compliance with the policy.

The policy shall include a statement that, for the purpose of the policy and/or code of conduct, the term “child” / “children” means any person(s) under the age of 18 years.

The policy should, as far as possible, be brief but specific and explicit, and measurable, to enable reporting of compliance with the policy in accordance with Sub-Clause 30.3 of the General Conditions of Contract.

As a minimum, the policy is set out to the commitments to:

- 9 apply good international industry practice to protect and conserve the natural environment and to minimize unavoidable impacts;*
- 10 provide and maintain a healthy and safe work environment and safe systems of work;*
- 11 protect the health and safety of local communities and users, with particular concern for those who are disabled, elderly, or otherwise vulnerable;*
- 12 be intolerant of, and enforce disciplinary measures for illegal activities. To be intolerant of, and enforce disciplinary measures for gender-based violence, inhumane treatment, sexual exploitation, rape, sexual abuse, sexual activity with children, and sexual harassment;*
- 13 incorporate a gender perspective and provide an enabling environment where women and men have equal opportunity to participate in, and benefit from, planning and development of the Works;*
- 14 work co-operatively, including with end users of the Works, relevant authorities, contractors and local communities;*

- 15 *engage with and listen to affected persons and organizations and be responsive to their concerns, with special regard for vulnerable, disabled, and elderly people;*
- 16 *provide an environment that fosters the exchange of information, views, and ideas that is free of any fear of retaliation, and protects whistleblowers;*
- 17 *minimize the risk of communicable diseases and to mitigate the effects of communicable diseases associated with the execution of the Works;*

The policy should be signed by the senior manager of the Employer. This is to signal the intent that it will be applied rigorously.

MINIMUM CONTENT OF ES REQUIREMENTS

In preparing detailed specifications for ES requirements, the specialists should refer to and consider:

- *project reports e.g. ESIA/ESMP*
- *consent/permit conditions*
- *required standards including World Bank Group EHS Guidelines*
- *relevant international conventions or treaties etc., national legal and/or regulatory requirements and standards (where these represent higher standards than the WBG EHS Guidelines)*
- *relevant international standards e.g. WHO Guidelines for Safe Use of Pesticides*
- *relevant sector standards e.g. EU Council Directive 91/271/EEC Concerning Urban Waste Water Treatment*
- *grievance redress mechanism including types of grievances to be recorded and how to protect confidentiality e.g. of those reporting allegations of SEA.*
- *SEA prevention and management.*

The detail specifications for ES should, to the extent possible, describe the intended outcome rather than the method of working. The ES requirements should be prepared in manner that does not conflict with the relevant General Conditions of Contract and Particular Conditions of Contract.

PAYMENT FOR ES REQUIREMENTS

The Employer's ES and procurement specialists should consider how the Contractor will cost the delivery of the ES requirements. In the majority of cases, the payment for the delivery of ES requirements shall be a subsidiary obligation of the Contractor covered under the prices quoted for other Bill of Quantity items or activities. For example, normally the cost of implementing workplace safe systems of work, including the measures necessary for ensuring traffic safety, shall be covered by the Bidder's rates for the relevant works. Alternatively, provisional sums could be set aside for discrete activities for example for HIV counselling service, and, and, GBV/SEA awareness and sensitization awareness and sensitization or to encourage the contractor to deliver additional ES outcomes beyond the requirement of the Contract.

Key Personnel

[Note: Insert in the following table, the minimum key specialists required to execute the contract, taking into account the nature, scope, complexity and risks of the contract.]

Key Personnel

Item No.	Position/specialization	Relevant academic qualifications	Minimum years of relevant work experience
	Contractor's Representative		
1.	<i>Site Agent (1 no.)</i>	<i>Degree in Civil/Structural Engineering and registered with the relevant professional body</i>	<i>10 years working experience in construction works.</i>
2.	<i>Foreman(2no.)</i>	<i>1.Diploma in Building/Construction 2.Diploma in Civil Engineering</i>	<i>5 years working experience in construction works for each</i>
3.	<i>Mason(3 no.)</i>	<i>At least Grade Test III in Masonry. Registered with National Construction Authority as a skilled construction worker</i>	<i>3 years working experience</i>
4.	<i>Plumber(1 no)</i>	<i>At least Grade Test III in Plumbing. Registered with National Construction Authority as a skilled construction worker</i>	<i>3 years working experience</i>

Supplementary Information

PART 3 – Conditions of Contract and Contract Forms

Section VIII. General Conditions of Contract

These General Conditions of Contract (GCC), read in conjunction with the Particular Conditions of Contract (PCC) 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.

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General Conditions of Contract

A. General

1. Definitions

Boldface 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 Employer and the Contractor to resolve disputes in the first instance, as provided for in GCC Clause 23.
- (d) “**Bank**” means the financing institution **named in the PCC**.
- (e) “**Bill of Quantities**” means the priced and completed Bill of Quantities forming part of the Bid.
- (f) “**Compensation Events**” are those defined in GCC Clause 44 hereunder.
- (g) The “**Completion Date**” is the date of completion of the Works as certified by the Project Manager, in accordance with GCC Sub-Clause 55.1.
- (h) The “**Contract**” is the Contract between the Employer and the Contractor to execute, complete, and maintain the Works. It consists of the documents listed in GCC Sub-Clause 2.3 below.
- (i) The “**Contractor**” is the party whose Bid to carry out the Works has been accepted by the Employer.
- (j) The “**Contractor’s Bid**” is the completed bidding document submitted by the Contractor to the Employer.
- (k) The “**Contract Price**” is the Accepted Contract Amount stated in the Letter of Acceptance and thereafter as adjusted in accordance with the Contract.
- (l) “**Days**” are calendar days; months are calendar months.
- (m) “**Dayworks**” 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.

- (n) A “**Defect**” is any part of the Works not completed in accordance with the Contract.
- (o) The “**Defects Liability Certificate**” is the certificate issued by Project Manager upon correction of defects by the Contractor.
- (p) The “**Defects Liability Period**” is the period **named in the PCC** pursuant to GCC Sub-Clause 36.1 and calculated from the Completion Date.
- (q) “**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 Employer in accordance with the Contract, include calculations and other information provided or approved by the Project Manager for the execution of the Contract.
- (r) The “**Employer**” is the party who employs the Contractor to carry out the Works, **as specified in the PCC**.
- (s) “**Equipment**” is the Contractor’s machinery and vehicles brought temporarily to the Site to construct the Works.
- (t) “**In writing**” or “**written**” means hand-written, type-written, printed or electronically made, and resulting in a permanent record;
- (u) The “**Initial Contract Price**” is the Contract Price listed in the Employer’s Letter of Acceptance.
- (v) 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 PCC**. The Intended Completion Date may be revised only by the Project Manager by issuing an extension of time or an acceleration order.
- (w) “**Materials**” are all supplies, including consumables, used by the Contractor for incorporation in the Works.
- (x) “**Plant**” is any integral part of the Works that shall have a mechanical, electrical, chemical, or biological function.
- (y) The “**Project Manager**” is the person **named in the PCC** (or any other competent person appointed by the Employer and notified to the Contractor, to act in replacement of the Project Manager) who is responsible for supervising the execution of the Works and

administering the Contract.

- (z) **“PCC”** means Particular Conditions of Contract.
- (aa) The **“Site”** is the area **defined as such in the PCC**.
- (bb) **“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.
- (cc) **“Specifications”** means the Specifications of the Works included in the Contract and any modification or addition made or approved by the Project Manager.
- (dd) The **“Start Date”** is **given in the PCC**. 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.
- (ee) 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.
- (ff) **“Temporary Works”** are works designed, constructed, installed, and removed by the Contractor that are needed for construction or installation of the Works.
- (gg) A **“Variation”** is an instruction given by the Project Manager which varies the Works.
- (hh) The **“Works”** are what the Contract requires the Contractor to construct, install, and turn over to the Employer, **as defined in the PCC**.
- (ii) **“Contractor’s Personnel”** refers to all personnel whom the Contractor utilizes on the Site or other places where the Works are carried out, including the staff, labor and other employees of each Subcontractor.
- (jj) **“Key Personnel”** means the positions (if any) of the Contractor’s personnel that are stated in the Specifications.
- (kk) **“ES”** means Environmental and Social (including Sexual Exploitation and Abuse (SEA) and Sexual Harassment (SH);
- (ll) **“Sexual Exploitation and Abuse” “(SEA)”** means the following:
 - “Sexual Exploitation”** is defined as any actual or attempted abuse of position of vulnerability, differential power or trust, for sexual purposes, including, but not

limited to, profiting monetarily, socially or politically from the sexual exploitation of another;

“**Sexual Abuse**” is defined as the actual or threatened physical intrusion of a sexual nature, whether by force or under unequal or coercive conditions;

- (mm) “**Sexual Harassment**” “(SH)” is defined as unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature by the Contractor’s Personnel with other Contractor’s or Employer’s Personnel; and
- (nn) “**Employer’s Personnel**” refers to the Project Manager and all other staff, labor and other employees (if any) of the Project Manager and of the Employer engaged in fulfilling the Employer’s obligations under the Contract; and any other personnel identified as Employer’s Personnel, by a notice from the Employer or the Project Manager to the Contractor.

2. Interpretation

- 2.1 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.
- 2.2 If sectional completion is **specified in the PCC**, 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).
- 2.3 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) Particular Conditions of Contract,
 - (e) General Conditions of Contract, including Appendices,
 - (f) Specifications,
 - (g) Drawings,

- (h) Bill of Quantities,²⁹ and
 - (i) any other document **listed in the PCC** as forming part of the Contract.
- 3. Language and Law**
- 3.1 The language of the Contract and the law governing the Contract are **stated in the PCC**.
 - 3.2 Throughout the execution of the Contract, the Contractor shall comply with the import of goods and services prohibitions in the Employer’s country when
 - 44.** as a matter of law or official regulations, the Borrower’s country prohibits commercial relations with that country; or
 - 45.** 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, the Borrower’s Country 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 Employer and the Contractor in the role representing the Employer.
- 5. Delegation**
- 5.1 Otherwise **specified in the PCC**, 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 Employer in writing. Subcontracting shall not alter the Contractor’s obligations. The Contractor shall require that its Subcontractors execute the Works in accordance with the Contract, including complying with the relevant ES requirements and the obligations set out in GCC Sub-Clause 26.1 of the General Conditions of Contract.
 - 7.2 Submission by the Contractor for approval of the Project Manager, addition of any Subcontractor not named in the Contract, shall also include the Subcontractor’s declaration in accordance with Appendix C- Sexual exploitation and Abuse (SEA) and/or Sexual Harassment (SH) Performance

²⁹ In lump-sum contracts, delete “Bill of Quantities” and replace with “Activity Schedule.”

Declaration.

**8. Other
Contractors**

- 8.1 The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities, and the Employer between the dates given in the Schedule of Other Contractors, as **referred to in the PCC**. The Contractor shall also provide facilities and services for them as described in the Schedule. The Employer 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 The Project Manager may require the Contractor to remove (or cause to be removed) any person employed on the Site or Works, including the Key Personnel (if any), who:
- i. persists in any misconduct or lack of care;
 - ii. carries out duties incompetently or negligently;
 - iii. fails to comply with any provision of the Contract;
 - iv. persists in any conduct which is prejudicial to safety, health, or the protection of the environment;
 - v. based on reasonable evidence, is determined to have engaged in Fraud and Corruption during the execution of the Works;
 - vi. has been recruited from the Employer's Personnel;
 - vii. undertakes behavior which breaches the Code of Conduct for Contractor's Personnel (ES).

If appropriate, the Contractor shall then promptly appoint (or cause to be appointed) a suitable replacement with equivalent skills and experience.

Notwithstanding any requirement from the Project Manager to remove or cause to remove any person, the Contractor shall take immediate action as appropriate in response to any violation of (a) through (g) above. Such immediate action shall include removing (or causing to be removed) from the Site or other places where the Works are being carried out, any Contractor's Personnel who engages in (a), (b), (c), (d), (e) or (g) above or has been recruited as stated in (f) above.

9.3 Labor

- 9.3.1 *Engagement of Staff and Labor.* The Contractor shall provide and employ on the Site for the execution of the Works such skilled, semi-skilled and unskilled labor as is necessary for the proper and timely execution of the Contract. The Contractor is encouraged, to the extent practicable and reasonable, to employ staff and labor with appropriate qualifications and experience from sources within the Employer's country.

Unless otherwise provided in the Contract, the Contractor shall be responsible for the recruitment, transportation, accommodation and welfare facilities in accordance with GCC Sub-Clause 9.3.6, of the Contractor's Personnel, and for all payments in connection therewith.

- 9.3.2 *Conditions of Labor.* The Contractor shall pay rates of wages

- 10. Employer’s and Contractor’s Risks**
- 10.1 The Employer carries the risks which this Contract states are Employer’s risks, and the Contractor carries the risks which this Contract states are Contractor’s risks.
- 11. Employer’s Risks**
- 11.1 From the Start Date until the Defects Liability Certificate has been issued, the following are Employer’s risks:
- (a) The risk of personal injury, death, or loss of or damage to property (excluding the Works, Plant, Materials, and Equipment), which are due to
 - (i) use or occupation of the Site by the Works or for the purpose of the Works, which is the unavoidable result of the Works or
 - (ii) negligence, breach of statutory duty, or interference with any legal right by the Employer or by any person employed by or contracted to him except the Contractor.
 - (b) The risk of damage to the Works, Plant, Materials, and Equipment to the extent that it is due to a fault of the Employer or in the Employer’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 an Employer’s risk except loss or damage due to
- (a) a Defect which existed on the Completion Date,
 - (b) an event occurring before the Completion Date, which was not itself an Employer’s risk, or
 - (c) 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 Employer’s risks are Contractor’s risks.
- 13. Insurance**
- 13.1 The Contractor shall provide, in the joint names of the Employer and the Contractor, insurance cover from the Start Date to the end of the Defects Liability Period, in the amounts and deductibles **stated in the PCC** 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 Employer may effect the insurance which the Contractor should have provided and recover the premiums the Employer 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 PCC**, 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.
- 16.2 The Contractor shall not carry out mobilization to the Site unless the Project Manager gives approval, an approval that shall not be unreasonably delayed, to the measures the Contractor proposes to address environmental and social risks and impacts, which at a minimum shall include applying the Management Strategies and Implementation Plans (MSIPs) and Code of Conduct for Contractor's Personnel submitted as part of the Bid and agreed as part of the Contract.

The Contractor shall submit, to the Project Manager for its approval any additional MSIPs as are necessary to manage the ES risks and impacts of ongoing Works. These MSIPs collectively comprise the Contractor's Environmental and Social Management Plan (C-ESMP). The Contractor shall review the C-ESMP, periodically (but not less than every six (6) months), and update it as required to ensure that it contains measures appropriate to the Works. The updated C-ESMP shall be submitted to the Project Manager for its approval.

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. Health, Safety and Protection of the Environment

- 18.1 The Contractor shall be responsible for the safety of all activities on the Site.
- 18.2 The Contractor shall:
- i. comply with all applicable health and safety regulations and Laws;
 - ii. comply with all applicable health and safety obligations specified in the Contract;
 - iii. take care for the health and safety of all persons entitled to be on the Site and other places, if any, where the Works are being executed;
 - iv. keep the Site and Works clear of unnecessary obstruction so as to avoid danger to these persons;
 - v. provide fencing, lighting, safe access, guarding and watching of:
1. the Works until the Works are taken over by the Employer; and
 2. any part of the Works where the Contractor is executing outstanding works or remedying any defects during the

Defects Liability Period; and

- vi. provide any Temporary Works (including roadways, footways, guards and fences) which may be necessary, because of the execution of the Works, for the use and protection of the public and of owners and occupiers of adjacent land.

18.3 Protection of the environment

The Contractor shall take all necessary measures to:

- i. protect the environment (both on and off the Site); and
- ii. limit damage and nuisance to people and property resulting from pollution, noise and other results of the Contractor's operations and/ or activities.

The Contractor shall ensure that emissions, surface discharges, effluent and any other pollutants from the Contractor's activities shall exceed neither the values indicated in the Specification, nor those prescribed by applicable laws.

In the event of damage to the environment, property and/or nuisance to people, on or off Site as a result of the Contractor's operations, the Contractor shall agree with the Project Manager the appropriate actions and time scale to remedy, as practicable, the damaged environment to its former condition. The Contractor shall implement such remedies at its cost to the satisfaction of the Project Manager

19. Archaeological and Geological Findings

19.1 All fossils, coins, articles of value or antiquity, structures, groups of structures, and other remains or items of geological, archaeological, paleontological, historical, architectural or religious interest found on the Site shall be placed under the care and custody of the Employer. The Contractor shall:

- 1. take all reasonable precautions, including fencing-off the area or site of the finding, to avoid further disturbance and prevent Contractor's Personnel or other persons from removing or damaging any of these findings;
- 2. train relevant Contractor's Personnel on appropriate actions to be taken in the event of such findings; and
- 3. implement any other action consistent with the requirements of the Specifications and relevant laws.

The Contractor shall, as soon as practicable after discovery of any such finding, 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 Employer shall give possession of all parts of the Site to the Contractor. If possession of a part is not given by the date **stated in the PCC**, the Employer 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 subconsultants 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 Inspections & Audit by the Bank
- Pursuant to paragraph 1.16 (e) of Appendix A to the GCC-Fraud and Corruption, the Contractor shall permit and shall cause its agents (where declared or not), subcontractors, subconsultants, service providers, suppliers, and personnel, to permit, the Bank and/or persons appointed by the Bank to inspect the site and/or the accounts, records and other documents relating to the procurement process, selection and/or contract execution, and to have such accounts, records and other documents audited by auditors appointed by the Bank. The Contractor's and its Subcontractors' and subconsultants' attention is drawn to GCC Sub-Clause 25.1 (Fraud and Corruption) which provides, inter alia, that acts intended to materially impede the exercise of the Bank's inspection and audit rights constitute a prohibited practice subject to contract termination (as well as to a determination of ineligibility pursuant to the Bank's prevailing sanctions procedures).
- 23. Appointment of the Adjudicator** 23.1 The Adjudicator shall be appointed jointly by the Employer and the Contractor, at the time of the Employer's issuance of the Letter of Acceptance. If, in the Letter of Acceptance, the Employer does not agree on the appointment of the Adjudicator, the Employer will request the Appointing Authority **designated in the PCC**, to appoint the Adjudicator within 14 days of receipt of such request.

23.2 Should the Adjudicator resign or die, or should the Employer 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 Employer and the Contractor. In case of disagreement between the Employer and the Contractor, within 30 days, the Adjudicator shall be designated by the Appointing Authority **designated in the PCC** at the request of either party, within 14 days of receipt of such request.

24. Procedure for Disputes

24.1 If the Contractor believes that a decision taken by the Project Manager was either outside the authority given to the Project Manager by the Contract or that the decision was wrongly taken, the decision shall be referred to the Adjudicator within 14 days of the notification of the Project Manager's decision.

24.2 The Adjudicator shall give a decision in writing within 28 days of receipt of a notification of a dispute.

24.3 The Adjudicator shall be paid by the hour at the **rate specified in the PCC**, together with reimbursable expenses of the types **specified in the PCC**, and the cost shall be divided equally between the Employer and the Contractor, whatever decision is reached by the Adjudicator. Either party may refer a decision of the Adjudicator to an Arbitrator within 28 days of the Adjudicator's written decision. If neither party refers the dispute to arbitration within the above 28 days, the Adjudicator's decision shall be final and binding.

24.4 The arbitration shall be conducted in accordance with the arbitration procedures published by the institution named and in the place **specified in the PCC**.

25. Fraud and Corruption

25.1 The Bank requires compliance with the Bank's Anti-Corruption Guidelines and its prevailing sanctions policies and procedures as set forth in the WBG's Sanctions Framework, as set forth in Appendix A to the GCC.

25.2 The Employer 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.

26. Code of Conduct

26.1 The Contractor shall have a Code of Conduct for the Contractor's Personnel.

The Contractor shall take all necessary measures to ensure that

each Contractor's Personnel is made aware of the Code of Conduct including specific behaviors that are prohibited, and understands the consequences of engaging in such prohibited behaviors.

These measures include providing instructions and documentation that can be understood by the Contractor's Personnel and seeking to obtain that person's signature acknowledging receipt of such instructions and/or documentation, as appropriate.

The Contractor shall also ensure that the Code of Conduct is visibly displayed in multiple locations on the Site and any other place where the Works will be carried out, as well as in areas outside the Site accessible to the local community and project affected people. The posted Code of Conduct shall be provided in languages comprehensible to Contractor's Personnel, Employer's Personnel and the local community.

The Contractor's Management Strategy and Implementation Plans shall include appropriate processes for the Contractor to verify compliance with these obligations.

27. Security of the Site

27.1 The Contractor shall be responsible for the security of the Site, and:

- i. for keeping unauthorized persons off the Site;
- ii. authorized persons shall be limited to the Contractor's Personnel, the Employer's personnel, and to any other personnel identified as authorized personnel (including the Employer's other contractors on the Site), by a notice from the Employer or the Project Manager to the Contractor.

The Contractor shall (i) conduct appropriate background checks on any personnel retained to provide security; (ii) train the security personnel adequately (or determine that they are properly trained) in the use of force (and where applicable, firearms), and appropriate conduct towards Contractor's Personnel, Employer's Personnel and affected communities; and (iii) require the security personnel to act within the applicable Laws and any requirements set out in the Specification.

The Contractor shall not permit any use of force by security personnel in providing security except when used for preventive and defensive purposes in proportion to the nature and extent of the threat.

In making security arrangements, the Contractor shall also

comply with any additional requirements stated in the Specification.

B. Time Control

28. Program

- 28.1 Within the time **stated in the PCC**, 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. 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.
- 28.2 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.
- 28.3 The Contractor shall monitor progress of the Works and submit to the Project manager progress report and any updated Program showing the actual progress achieved and the effect of the progress achieved on the timing of the remaining Works, including any changes to the sequence of the activities, at intervals no longer than the period **stated in the PCC**. If the Contractor does not submit an updated Program within this period, the Project Manager may withhold the amount **stated in the PCC** 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 lump-sum Contract, the Contractor shall provide an updated Activity Schedule within 14 days of being instructed to by the Project Manager.
- 28.4 Unless otherwise stated in the Specification, each progress report shall include the Environmental and Social (ES) metrics set out in Appendix B
- 28.5 In addition to the progress report, the Contractor shall inform the Project Manager immediately of any allegation, incident or accident in the Site, which has or is likely to have a significant adverse effect on the environment, the affected communities, the public, Employer's Personnel, or Contractor's Personnel. This includes, but is not limited to, any incident or accident causing fatality or serious injury; significant adverse effects or damage to private property; or any allegation of SEA and/or SH. In case of

SEA and/or SH, while maintaining confidentiality as appropriate, the type of allegation (sexual exploitation, sexual abuse or sexual harassment), gender and age of the person who experienced the alleged incident should be included in the information.

The Contractor, upon becoming aware of the allegation, incident or accident, shall also immediately inform the Project Manager of any such incident or accident on the Subcontractors' or suppliers' premises relating to the Works which has or is likely to have a significant adverse effect on the environment, the affected communities, the public, Employer's Personnel, or Contractor's, its Subcontractors' and suppliers' personnel. The notification shall provide sufficient detail regarding such incidents or accidents. The Contractor shall provide full details of such incidents or accidents to the Project Manager within the timeframe agreed with the Project Manager.

The Contractor shall require its Subcontractors and suppliers (other than Subcontractors) to immediately notify the Contractor of any incidents or accidents referred to in this Subclause.

29. Extension of the Intended Completion Date

29.1 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.

29.2 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.

30. Acceleration

30.1 When the Employer 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 Employer accepts these proposals, the Intended Completion Date shall be adjusted accordingly and confirmed by both the Employer and the Contractor.

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

31. Delays

31.1 The Project Manager may instruct the Contractor to delay the

Ordered by the Project Manager start or progress of any activity within the Works.

- 32. Management Meetings**
- 32.1 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.
- 32.2 The Project Manager shall record the business of management meetings and provide copies of the record to those attending the meeting and to the Employer. The responsibility of the parties for actions to be taken shall be decided by the Project Manager either at the management meeting or after the management meeting and stated in writing to all who attended the meeting.
- 33. Early Warning**
- 33.1 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.
- 33.2 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

- 34. Identifying Defects**
- 34.1 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.
- 35. Tests**
- 35.1 If the Project Manager instructs the Contractor to carry out a test not specified in the Specifications 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.

- 36. Correction of Defects**
- 36.1 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 PCC**. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.
- 36.2 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.
- 37. Uncorrected Defects**
- 37.1 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

- 38. Contract Price³⁰**
- 38.1 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.
- 39. Changes in the Contract Price³¹**
- 39.1 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 Employer.
- 39.2 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.
- 40. Variations**
- 40.1 All Variations shall be included in updated Programs³²

³⁰ In lump-sum contracts, replace GCC Sub-Clauses 38.1 as follows:

38.1 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.

³¹ In lump-sum contracts, replace entire GCC Clause 39 with new GCC Sub-Clause 39.1, as follows:

39.1 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.

produced by the Contractor.

- 40.2 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 Contractor shall also provide information of any ES risks and impacts of the Variation. 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.
- 40.3 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.
- 40.4 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.
- 40.5 The Contractor shall not be entitled to additional payment for costs that could have been avoided by giving early warning.
- 40.6 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 GCC 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.³³

41. Cash Flow Forecasts

- 41.1 When the Program,³⁴ 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.

42. Payment Certificates

- 42.1 The Contractor shall submit to the Project Manager monthly statements of the estimated value of the work executed less the cumulative amount certified previously.
- 42.2 The Project Manager shall check the Contractor's monthly

³² In lump-sum contracts, add "and Activity Schedules" after "Programs."

³³ In lump-sum contracts, delete this paragraph.

³⁴ In lump-sum contracts, add "or Activity Schedule" after "Program."

statement and certify the amount to be paid to the Contractor.

- 42.3 The value of work executed shall be determined by the Project Manager.
- 42.4 The value of work executed shall comprise the value of the quantities of work in the Bill of Quantities that have been completed.³⁵
- 42.5 The value of work executed shall include the valuation of Variations and Compensation Events.
- 42.6 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.
- 42.7 If the Contractor was, or is, failing to perform any ES obligations or work under the Contract, the value of this work or obligation, as determined by the Project Manager, may be withheld until the work or obligation has been performed, and/or the cost of rectification or replacement, as determined by the Project Manager, may be withheld until rectification or replacement has been completed. Failure to perform includes, but is not limited to the following:
- x. failure to comply with any ES obligations or work described in the Works' Requirements which may include: working outside site boundaries, excessive dust, failure to keep public roads in a safe usable condition, damage to offsite vegetation, pollution of water courses from oils or sedimentation, contamination of land e.g. from oils, human waste, damage to archeology or cultural heritage features, air pollution as a result of unauthorized and/or inefficient combustion;
 - xi. failure to regularly review C-ESMP and/or update it in a timely manner to address emerging ES issues, or anticipated risks or impacts;
 - xii. failure to implement the C-ESMP e.g. failure to provide required training or sensitization;
 - xiii. failing to have appropriate consents/permits prior to undertaking Works or related activities;
 - xiv. failure to submit ES report/s (as described in Appendix B), or failure to submit such reports in a timely manner;
- failure to implement remediation as instructed by the Project

³⁵ In 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."

Manager within the specified timeframe (e.g. remediation addressing non-compliance/s).

43. Payments

- 43.1 Payments shall be adjusted for deductions for advance payments and retention. The Employer shall pay the Contractor the amounts certified by the Project Manager within 28 days of the date of each certificate. If the Employer 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.
- 43.2 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.
- 43.3 Unless otherwise stated, all payments and deductions shall be paid or charged in the proportions of currencies comprising the Contract Price.
- 43.4 Items of the Works for which no rate or price has been entered in shall not be paid for by the Employer and shall be deemed covered by other rates and prices in the Contract.

44. Compensation Events

- 44.1 The following shall be Compensation Events:
- (a) The Employer does not give access to a part of the Site by the Site Possession Date pursuant to GCC Sub-Clause 20.1.
 - (b) The Employer modifies the Schedule of Other Contractors in a way that affects the work of the Contractor under the Contract.
 - (c) The Project Manager orders a delay or does not issue Drawings, Specifications, or instructions required for execution of the Works on time.
 - (d) The Project Manager instructs the Contractor to uncover or to carry out additional tests upon work, which is then found to have no Defects.
 - (e) The Project Manager unreasonably does not approve a subcontract to be let.
 - (f) Ground conditions are substantially more adverse than could reasonably have been assumed before issuance of

the Letter of Acceptance from the information issued to bidders (including the Site Investigation Reports), from information available publicly and from a visual inspection of the Site.

- (g) The Project Manager gives an instruction for dealing with an unforeseen condition, caused by the Employer, or additional work required for safety or other reasons.
- (h) Other contractors, public authorities, utilities, or the Employer does not work within the dates and other constraints stated in the Contract, and they cause delay or extra cost to the Contractor.
- (i) The advance payment is delayed.
- (j) The effects on the Contractor of any of the Employer's Risks.
- (k) The Project Manager unreasonably delays issuing a Certificate of Completion.

44.2 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.

44.3 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.

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

45. Tax

45.1 The Project Manager shall adjust the Contract Price if taxes, duties, and other levies are changed between the date 28 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 47.

46. Currencies

46.1 Where payments are made in currencies other than the currency of the Employer's country **specified in the PCC**, the exchange rates used for calculating the amounts to be paid shall be the exchange rates stated in the Contractor's Bid.

47. Price Adjustment

47.1 Prices shall be adjusted for fluctuations in the cost of inputs only if **provided for in the PCC**. 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 to each Contract currency:

$$P_c = A_c + B_c \text{ Imc/Ioc}$$

where:

P_c is the adjustment factor for the portion of the Contract Price payable in a specific currency "c."

A_c and B_c are coefficients³⁶ **specified in the PCC**, representing the nonadjustable and adjustable portions, respectively, of the Contract Price payable in that specific currency "c;" and

Imc is the index prevailing at the end of the month being invoiced and Ioc is the index prevailing 28 days before Bid opening for inputs payable; both in the specific currency "c."

47.2 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.

48. Retention

48.1 The Employer shall retain from each payment due to the Contractor the proportion **stated in the PCC** until Completion of the whole of the Works.

48.2 Upon the issue of a Certificate of Completion of the Works by the Project Manager, in accordance with GCC Sub-Clause 55.1, 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

³⁶ The sum of the two coefficients A_c and B_c 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 nonadjustable portion of the payments, is a very approximate figure (usually 0.15) to take account of fixed cost elements or other nonadjustable components. The sum of the adjustments for each currency are added to the Contract Price.

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.

49. Liquidated Damages

- 49.1 The Contractor shall pay liquidated damages to the Employer at the rate per day **stated in the PCC** 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 PCC**. The Employer may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages shall not affect the Contractor’s liabilities.
- 49.2 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 43.1.

50. Bonus

- 50.1 The Contractor shall be paid a Bonus calculated at the rate per calendar day **stated in the PCC** 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.

51. Advance Payment

- 51.1 The Employer shall make advance payment to the Contractor of the amounts **stated in the PCC** by the date **stated in the PCC**, against provision by the Contractor of an Unconditional Bank Guarantee in a form and by a bank acceptable to the Employer 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.
- 51.2 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.
- 51.3 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.

- 52. Securities** 52.1 The Performance Security, and if so **specified in the PCC** an environmental and social (ES) performance security, shall be provided to the Employer no later than the date specified in the Letter of Acceptance and shall be issued in an amount **specified in the PCC**, by a bank or surety acceptable to the Employer, 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 days 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 Certificate of Completion in the case of a Performance Bond.
- 53. Dayworks** 53.1 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.
- 53.2 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.
- 53.3 The Contractor shall be paid for Dayworks subject to obtaining signed Dayworks forms.
- 54. Cost of Repairs** 54.1 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

- 55. Completion** 55.1 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.
- 56. Taking Over** 56.1 The Employer shall take over the Site and the Works within seven days of the Project Manager's issuing a certificate of Completion.
- 57. Final Account** 57.1 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.

58. Operating and Maintenance Manuals

58.1 If "as built" Drawings and/or operating and maintenance manuals are required, the Contractor shall supply them by the dates **stated in the PCC**.

58.2 If the Contractor does not supply the Drawings and/or manuals by the dates **stated in the PCC** pursuant to GCC Sub-Clause 58.1, or they do not receive the Project Manager's approval, the Project Manager shall withhold the amount **stated in the PCC** from payments due to the Contractor.

59. Termination

59.1 The Employer or the Contractor may terminate the Contract if the other party causes a fundamental breach of the Contract.

59.2 Fundamental breaches of Contract shall include, but shall not be limited to, the following:

1. the Contractor stops work for 28 days when no stoppage of work is shown on the current Program and the stoppage has not been authorized by the Project Manager;
2. the Project Manager instructs the Contractor to delay the progress of the Works, and the instruction is not withdrawn within 28 days;
3. the Employer or the Contractor is made bankrupt or goes into liquidation other than for a reconstruction or amalgamation;
4. a payment certified by the Project Manager is not paid by the Employer to the Contractor within 84 days of the date of the Project Manager's certificate;
5. 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;

6. the Contractor does not maintain a Security, which is required;
7. 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 PCC**; or
8. if the Contractor, in the judgment of the Employer has engaged in Fraud and Corruption, as defined in paragraph 1.16 of Appendix A to the GCC, in competing for or in executing the Contract, then the Employer may, after giving fourteen (14) days written notice to the Contractor, terminate the Contract and expel him from the Site.

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

59.4 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.

59.5 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 59.2 above, the Project Manager shall decide whether the breach is fundamental or not.

60. Payment upon Termination

60.1 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 PCC**. Additional Liquidated Damages shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor, the difference shall be a debt payable to the Employer.

60.2 If the Contract is terminated for the Employer's convenience or because of a fundamental breach of Contract by the Employer, the Project Manager shall issue a certificate for the value of the work done, Materials ordered, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works, and less advance payments received up to the date of the

certificate.

- 61. Property** 61.1 All Materials on the Site, Plant, Equipment, Temporary Works, and Works shall be deemed to be the property of the Employer if the Contract is terminated because of the Contractor's default.
- 62. Release from Performance** 62.1 If the Contract is frustrated by the outbreak of war or by any other event entirely outside the control of either the Employer or the Contractor, the Project Manager shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop work as quickly as possible after receiving this certificate and shall be paid for all work carried out before receiving it and for any work carried out afterwards to which a commitment was made.
- 63. Suspension of Bank Loan or Credit** 63.1 In the event that the Bank suspends the Loan or Credit to the Employer, from which part of the payments to the Contractor are being made:
- (a) The Employer is obligated to notify the Contractor of such suspension within 7 days of having received the Bank's suspension notice.
 - (b) If the Contractor has not received sums due to it within the 28 days for payment provided for in GCC Sub-Clause 43.1, the Contractor may immediately issue a 14-day termination notice

APPENDIX A

TO GENERAL CONDITIONS

Bank’s Policy- Corrupt and Fraudulent Practices

(text in this Appendix shall not be modified)

Guidelines for Procurement of Goods, Works, and Non-Consulting Services under IBRD Loans and IDA Credits & Grants by World Bank Borrowers, dated January 2011:

“Fraud and Corruption:

1.16 It is the Bank’s policy to require that Borrowers (including beneficiaries of Bank loans), bidders, suppliers, contractors and their agents (whether declared or not), sub-contractors, sub-consultants, service providers or suppliers, and any personnel thereof, observe the highest standard of ethics during the procurement and execution of Bank-financed contracts.³⁷ In pursuance of this policy, the Bank:

- (a) defines, for the purposes of this provision, 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;³⁸
 - (ii) “fraudulent practice” is any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;³⁹
 - (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;⁴⁰
 - (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;⁴¹

³⁷ In this context, any action to influence the procurement process or contract execution for undue advantage is improper.

³⁸ For the purpose of this sub-paragraph, “another party” refers to a public official acting in relation to the procurement process or contract execution. In this context, “public official” includes World Bank staff and employees of other organizations taking or reviewing procurement decisions.

³⁹ For the purpose of this sub-paragraph, “party” refers to a public official; the terms “benefit” and “obligation” relate to the procurement process or contract execution; and the “act or omission” is intended to influence the procurement process or contract execution.

⁴⁰ For the purpose of this sub-paragraph, “parties” refers to participants in the procurement process (including public officials) attempting either themselves, or through another person or entity not participating in the procurement or selection process, to simulate competition or to establish bid prices at artificial, non-competitive levels, or are privy to each other’s bid prices or other conditions.

- (v) “obstructive practice” is
 - (aa) deliberately destroying, falsifying, altering, or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede a Bank investigation 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
 - (bb) acts intended to materially impede the exercise of the Bank’s inspection and audit rights provided for under paragraph 1.16(e) below.
- (b) will reject a proposal for award if it determines that the bidder recommended for award, or 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;
- (c) will declare misprocurement and cancel the portion of the loan allocated to a contract if it determines at any time that representatives of the Borrower or of a recipient of any part of the proceeds of the loan engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices during the procurement or the implementation of the contract in question, without the Borrower having taken timely and appropriate action satisfactory to the Bank to address such practices when they occur, including by failing to inform the Bank in a timely manner at the time they knew of the practices;
- (d) will sanction a firm or individual, at any time, in accordance with the prevailing Bank’s sanctions procedures,⁴² including by publicly declaring such firm or individual ineligible, either indefinitely or for a stated period of time: (i) to be awarded a Bank-financed contract; and (ii) to be a nominated⁴³ sub-contractor, consultant, supplier, or service provider of an otherwise eligible firm being awarded a Bank-financed contract;

⁴¹ For the purpose of this sub-paragraph, “party” refers to a participant in the procurement process or contract execution.

⁴² A firm or individual may be declared ineligible to be awarded a Bank financed contract upon: (i) completion of the Bank’s sanctions proceedings as per its sanctions procedures, including, inter alia, cross-debarment as agreed with other International Financial Institutions, including Multilateral Development Banks, and through the application the World Bank Group corporate administrative procurement sanctions procedures for fraud and corruption; and (ii) as a result of temporary suspension or early temporary suspension in connection with an ongoing sanctions proceeding. See footnote 14 and paragraph 8 of Appendix 1 of these Guidelines.

⁴³ A nominated sub-contractor, consultant, manufacturer or supplier, or service provider (different names are used depending on the particular bidding document) is one which has either been: (i) included by the bidder in its pre-qualification application or bid because it brings specific and critical experience and know-how that allow the bidder to meet the qualification requirements for the particular bid; or (ii) appointed by the Borrower.

- (e) will require that a clause be included in bidding documents and in contracts financed by a Bank loan, requiring bidders, suppliers and contractors, and their sub-contractors, agents, personnel, consultants, service providers, or suppliers, to permit the Bank to inspect all accounts, records, and other documents relating to the submission of bids and contract performance, and to have them audited by auditors appointed by the Bank.”

APPENDIX B

Environmental and Social (ES)

Metrics for Progress Reports

[Note to Employer: the following metrics may be amended to reflect the specifics of the Contract. The Employer shall ensure that the metrics provided are appropriate for the Works and impacts/key issues identified in the environmental and social assessment]

Metrics for regular reporting:

- 1. environmental incidents or non-compliances with contract requirements, including contamination, pollution or damage to ground or water supplies;*
- c. health and safety incidents, accidents, injuries that require treatment and all fatalities;*
- d. interactions with regulators: identify agency, dates, subjects, outcomes (report the negative if none);*
- e. status of all permits and agreements:*
 - xv. work permits: number required, number received, actions taken for those not received;
 - xvi. status of permits and consents:
 - *list areas/facilities with permits required (quarries, asphalt & batch plants), dates of application, dates issued (actions to follow up if not issued), dates submitted to resident engineer (or equivalent), status of area (waiting for permits, working, abandoned without reclamation, decommissioning plan being implemented, etc.);*
 - *list areas with landowner agreements required (borrow and spoil areas, camp sites), dates of agreements, dates submitted to resident engineer (or equivalent);*
 - *identify major activities undertaken in each area in the reporting period and highlights of environmental and social protection (land clearing, boundary marking, topsoil salvage, traffic management, decommissioning planning, decommissioning implementation);*
 - *for quarries: status of relocation and compensation (completed, or details of activities and current status in the reporting period).*
- f. health and safety supervision:*

- vii. safety officer: number days worked, number of full inspections & partial inspections, reports to construction/project management;
- viii. number of workers, work hours, metric of PPE use (percentage of workers with full personal protection equipment (PPE), partial, etc.), worker violations observed (by type of violation, PPE or otherwise), warnings given, repeat warnings given, follow-up actions taken (if any);
- g. *worker accommodations:*
 - i. number of expats housed in accommodations, number of locals;
 - ii. date of last inspection, and highlights of inspection including status of accommodations' compliance with national and local law and good practice, including sanitation, space, etc.;
 - ix. actions taken to recommend/require improved conditions, or to improve conditions.
- h. *Health services: provider of health services, information and/or training, location of clinic, number of non-safety disease or illness treatments and diagnoses (no names to be provided);*
- i. *gender (for expats and locals separately): number of female workers, percentage of workforce, gender issues raised and dealt with (cross-reference grievances or other sections as needed);*
- j. *training:*
 - i. number of new workers, number receiving induction training, dates of induction training;
 - ii. number and dates of toolbox talks, number of workers receiving Occupational Health and Safety (OHS), environmental and social training;
 - xvii. number and dates of communicable diseases (including STDs) sensitization and/or training, no. workers receiving training (in the reporting period and in the past); same questions for gender sensitization, flag person training.
 - xviii. number and date of SEA and SH prevention sensitization and/or training events, including number of workers receiving training on Code of Conduct for Contractor's Personnel (in the reporting period and in the past), etc.
- k. *environmental and social supervision:*
 - environmentalist: days worked, areas inspected and numbers of inspections of each (road section, work camp, accommodations, quarries, borrow areas, spoil areas, swamps, forest crossings, etc.), highlights of activities/findings (including violations of environmental and/or social

- best practices, actions taken), reports to environmental and/or social specialist/construction/site management;
- xix. sociologist: days worked, number of partial and full site inspections (by area: road section, work camp, accommodations, quarries, borrow areas, spoil areas, clinic, HIV/AIDS center, community centers, etc.), highlights of activities (including violations of environmental and/or social requirements observed, actions taken), reports to environmental and/or social specialist/construction/site management; and
- xx. community liaison person(s): days worked (hours community center open), number of people met, highlights of activities (issues raised, etc.), reports to environmental and/or social specialist /construction/site management.
- l. *Grievances*: list new grievances (e.g. number of allegations of SEA and SH) received in the reporting period and number of unresolved past grievances by date received, complainant's age and sex, how received, to whom referred to for action, resolution and date (if completed), data resolution reported to complainant, any required follow-up (Cross-reference other sections as needed).
- i. Worker grievances;
 - ii. Community grievances
- m. *Traffic, road safety and vehicles/equipment*:
- 46.** traffic and road safety incidents and accidents involving project vehicles & equipment: provide date, location, damage, cause, follow-up;
- 47.** traffic and road safety incidents and accidents involving non-project vehicles or property (also reported under immediate metrics): provide date, location, damage, cause, follow-up;
- 48.** overall condition of vehicles/equipment (subjective judgment by environmentalist); non-routine repairs and maintenance needed to improve safety and/or environmental performance (to control smoke, etc.).
- n. *Environmental mitigations and issues (what has been done)*:
- i. dust: number of working bowsers, number of waterings/day, number of complaints, warnings given by environmentalist, actions taken to resolve; highlights of quarry dust control (covers, sprays, operational status); % of rock/spoil lorries with covers, actions taken for uncovered vehicles;
 - ii. erosion control: controls implemented by location, status of water crossings, environmentalist inspections and results, actions taken to resolve issues, emergency repairs needed to control erosion/sedimentation;

- iii. quarries, borrow areas, spoil areas, asphalt plants, batch plants: identify major activities undertaken in the reporting period at each, and highlights of environmental and social protection: land clearing, boundary marking, topsoil salvage, traffic management, decommissioning planning, decommissioning implementation;
 - iv. blasting: number of blasts (and locations), status of implementation of blasting plan (including notices, evacuations, etc.), incidents of off-site damage or complaints (cross-reference other sections as needed);
 - v. spill cleanups, if any: material spilled, location, amount, actions taken, material disposal (report all spills that result in water or soil contamination);
 - vi. waste management: types and quantities generated and managed, including amount taken offsite (and by whom) or reused/recycled/disposed on-site;
 - vii. details of tree plantings and other mitigations required undertaken in the reporting period;
 - viii. details of water and swamp protection mitigations required undertaken in the reporting period.
- o. compliance:*
- 1. compliance status for conditions of all relevant consents/permits, for the Work, including quarries, etc.): statement of compliance or listing of issues and actions taken (or to be taken) to reach compliance;
 - (a) compliance status of C-ESMP/ESIP requirements: statement of compliance or listing of issues and actions taken (or to be taken) to reach compliance
 - (b) compliance status of SEA and SH prevention and response action plan: statement of compliance or listing of issues and actions taken (or to be taken) to reach compliance
 - (c) compliance status of Health and Safety Management Plan re: statement of compliance or listing of issues and actions taken (or to be taken) to reach compliance
 - (d) other unresolved issues from previous reporting periods related to environmental and social: continued violations, continued failure of equipment, continued lack of vehicle covers, spills not dealt with, continued compensation or blasting issues, etc. Cross-reference other sections as needed.

APPENDIX C

Sexual Exploitation and Abuse (SEA) and/or Sexual Harassment (SH) Performance Declaration for Subcontractors

[The following table shall be filled in by each subcontractor proposed by the Contractor, that was not named in the Contract]

Subcontractor’s Name: *[insert full name]*
 Date: *[insert day, month, year]*
 Contract reference *[insert contract reference]*
 Page *[insert page number]* of *[insert total number]* pages

SEA and/or SH Declaration
<p>We:</p> <p><input type="checkbox"/> (a) have not been subject to disqualification by the Bank for non-compliance with SEA/ SH obligations.</p> <p><input type="checkbox"/> (b) are subject to disqualification by the Bank for non-compliance with SEA/ SH obligations.</p> <p><input type="checkbox"/> (c) had been subject to disqualification by the Bank for non-compliance with SEA/ SH obligations. An arbitral award on the disqualification case has been made in our favor.</p> <p><input type="checkbox"/> (d) had been subject to disqualification by the Bank for non-compliance with SEA/ SH obligations for a period of two years. We have subsequently demonstrated that we have adequate capacity and commitment to comply with SEA /SH obligations.</p> <p><input type="checkbox"/> (e) had been subject to disqualification by the Bank for non-compliance with SEA/ SH obligations for a period of two years. We have attached specific evidence demonstrating that we have adequate capacity and commitment to comply with SEA and SH obligations.</p>
<p><i>[If (c) above is applicable, attach evidence of an arbitral award reversing the findings on the issues underlying the disqualification.]</i></p>
<p><i>[If (d) or (e) above are applicable, provide the following information:]</i></p>
<p>Period of disqualification: From: _____ To: _____</p>
<p>If previously provided on another Bank financed works contract, details of evidence that demonstrated adequate capacity and commitment to comply with SEA/SH obligations (as per (d) above)</p> <p style="margin-left: 40px;">Name of Employer: _____</p> <p style="margin-left: 40px;">Name of Project: _____</p> <p style="margin-left: 40px;">Contract description: _____</p>

<p>Brief summary of evidence provided: _____</p> <p>_____</p> <p>Contact Information: (Tel, email, name of contact person): _____</p> <p>_____</p>
<p>As an alternative to the evidence under (d), other evidence demonstrating adequate capacity and commitment to comply with SEA/SH obligations (as per (e) above) [<i>attach details as appropriate</i>].</p> <p>_____</p> <p>_____</p>

Name of the Subcontractor _____

Name of the person duly authorized to sign on behalf of the Subcontractor _____

Title of the person signing on behalf of the Subcontractor _____

Signature of the person named above _____

Date signed _____ day of _____, _____

Countersignature of authorized representative of the Contractor:

Signature: _____

Date signed _____ day of _____,

Section IX. Particular Conditions of Contract

Except where otherwise specified, all PCC should be filled in by the Employer prior to issuance of the Bidding Documents. Schedules and reports to be provided by the Employer should be annexed.

A. General	
GCC 1.1 (d)	The financing institution is: WORLD BANK
GCC 1.1 (r)	The Employer is: COUNTY GOVERNMENT OF ISIOLO, DEPARTMENT OF AGRICULTURE (KCSAP). P.O. BOX 6-60300 ISIOLO.
GCC 1.1 (v)	The Intended Completion Date for the whole of the Works shall be <i>150 days from the date of signing the contract</i>
GCC 1.1 (y)	The Project Manager is <i>will be allocated by the employer.</i>
GCC 1.1 (aa)	The Site is located at Isiolo Abattoir in Kilimani location, Burat Ward, Isiolo Sub County
GCC 1.1 (dd)	The Start Date shall be <i>stated in the contract agreement</i>
GCC 1.1 (hh)	The Works consist of Civil works to upgrade the existing abattoir. (Kindly refer to the specifications) .
GCC 2.2	Sectional Completions are: Not Applicable
GCC 2.3(i)	The following documents also form part of the Contract: <i>(a) Notification of Award, (b) Letter of Acceptance, (c) the Bid document, (d) All Addenda, if any, (e) Specifications, (f) Drawings, (g) Completed Schedules, (h) Particular Conditions and (i) General Conditions</i>
GCC 3.1	The language of the contract is <i>English</i> . The law that applies to the Contract is the law of <i>Kenya</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>Not appropriate</i>
GCC 13.1	The minimum insurance amounts and deductibles shall be: <i>(As per laws of Kenya)</i>

	<p>(a) for loss or damage to the Works, Plant and Materials: <i>[insert amounts]</i>.</p> <p>(b) For loss or damage to Equipment: <i>[insert amounts]</i>.</p> <p>(c) for loss or damage to property (except the Works, Plant, Materials, and Equipment) in connection with Contract <i>[insert amounts]</i>.</p> <p>(d) for personal injury or death:</p> <ol style="list-style-type: none"> 1. of the Contractor's employees: <i>[amount]</i>. 2. of other people: <i>[amount]</i>.
GCC 14.1	Site Data are:
GCC 20.1	The Site Possession Date(s) shall be: <i>within one week upon signing of the Contract</i>
GCC 23.1 & GCC 23.2	Appointing Authority for the Adjudicator: <i>Chartered Institute of Arbitrators (Kenya Chapter)</i>
GCC 24.3	Hourly rate and types of reimbursable expenses to be paid to the Adjudicator: <i>Local market rates.</i>
GCC 24.4	<p><i>[For smaller contracts, the institution is usually from the Employer's country. For larger contracts, and contracts that are likely to be awarded to international contractors, it is recommended that the arbitration procedure of an international institution]</i></p> <p>Institution whose arbitration procedures shall be used: <i>Chartered Institute of Arbitrators (Kenya Chapter)</i></p> <p>The place of arbitration shall be: <i>ISIOLO, KENYA</i></p>
B. Time Control	
GCC 28.1	(a)The Contractor shall submit for approval a Program for the Works within <i>[number]</i> days from the date of the Letter of Acceptance.
GCC 28.3	<p>The period between Program updates is 30 days.</p> <p>The amount to be withheld for late submission of an updated Program is <i>Kenya Shillings 200,000.00</i>.</p> <p>The period for submission of progress reports is 30 days.</p>
C. Quality Control	
GCC 36.1	The Defects Liability Period is: <i>180</i> days.

D. Cost Control	
GCC 46.1	The currency of the Employer’s country is: KENYA SHILLINGS
GCC 47.1	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.
GCC 48.1	The liquidated damages for the whole of the Works are 0.1% per day. The maximum amount of liquidated damages for the whole of the Works is 5% of the final Contract Price.
GCC 49.1	The Bonus for the whole of the Works is :N/A
GCC 50.1	The Bonus for the whole of the Works is :N/A
GCC 51.1	The Advance Payments shall be: N/A
GCC 52.1	The Performance Security will be in the form of a Bank guarantee in the amount(s) of 10 percent of the Accepted Contract Amount and in the same currency (ies) of the Accepted Contract Amount.
E. Finishing the Contract	
GCC 58.1	The date by which operating and maintenance manuals are required is ... The date by which “as built” drawings are required is.. .
GCC 58.2	The amount to be withheld for failing to produce “as built” drawings and/or operating and maintenance manuals by the date required in GCC Sub-Clause 58.1 is <i>[insert amount in local currency]</i> .
GCC 59.2 (g)	The maximum number of days is: 45 days <i>on liquidated damages</i>
GCC 60.1	The percentage to apply to the value of the work not completed, representing the Employer’s additional cost for completing the Works, is 10%

Section X - Contract Forms

This Section contains forms which, once completed, will form part of the Contract. The forms for Performance Security and Advance Payment Security, when required, shall only be completed by the successful Bidder after contract award.

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Letter of Acceptance

[on letterhead paper of the Employer]

..... *[date]*

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

Subject: *[Notification of Award Contract No]*

This is to notify you that your Bid dated *[insert date]*... for execution of the
..... *[insert name of the contract and identification number, as given in the PCC]* for
the Accepted Contract Amount of *[insert amount in numbers and words and name of
currency]*, as corrected and modified in accordance with the Instructions to Bidders is
hereby accepted by our Agency.

You are requested to furnish the Performance Security and an Environmental and
Social, Performance Security ***[Delete ES Performance Security if it is not required
under the contract]*** within 28 days in accordance with the Conditions of Contract, using
for that purpose the of the Performance Security Form and the ES Performance Security
Form, ***[Delete reference to the ES Performance Security Form if it is not required
under the contract]*** included in Section X - Contract Forms, of the bidding document.

[Choose one of the following statements:]

We accept that _____ *[insert the name of Adjudicator proposed by
the Bidder]* be appointed as the Adjudicator.

[or]

We do not accept that _____ *[insert the name of the Adjudicator
proposed by the Bidder]* be appointed as the Adjudicator, and by sending a copy of this
Letter of Acceptance to _____ *[insert name of
the Appointing Authority]*, the Appointing Authority, we are hereby requesting such
Authority to appoint the Adjudicator in accordance with ITB 43.1 and GCC 23.1.

Authorized Signature:

Name and Title of Signatory:

Name of Agency:

Attachment: Contract Agreement

Contract Agreement

THIS AGREEMENT made theday of,, between
 . [name of the Employer]. (hereinafter “the Employer”), of the one part, and
 [name of the Contractor].(hereinafter “the Contractor”), of the other part:

WHEREAS the Employer desires that the Works known as [name of the Contract].
 .should be executed by the Contractor, and has accepted a Bid by the Contractor for the
 execution and completion of these Works and the remedying of any defects therein,

The Employer 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.
 1. the Letter of Acceptance
 2. the Letter of Bid
 3. the addenda Nos _____(if any)
 4. the Particular Conditions
 5. the General Conditions of Contract, including Appendices;
 6. the Specification
 7. the Drawings
 8. Bill of Quantities;⁴⁴ and
 9. any other document listed in the PCC as forming part of the Contract, but not limited to;

48.1 the ES Management Strategies and Implementation Plans; and

48.2 Code of Conduct for Contractor’s Personnel (ES;

3. In consideration of the payments to be made by the Employer to the Contractor as specified in this Agreement, the Contractor hereby covenants with the Employer to execute the Works and to remedy defects therein in conformity in all respects with the provisions of the Contract.

⁴⁴ In lump sum contracts, delete “Bill of Quantities” and replace with “Activity Schedule.”

4. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of [*name of the borrowing country*].on the day, month and year specified above.

Signed by: _____
for and on behalf of the Employer

Signed by: _____
for and on behalf the Contractor

in the
presence of: _____
Witness, Name, Signature, Address, Date

in the
presence of: _____
Witness, Name, Signature, Address, Date

Performance Security (Bank Guarantee)

Option 1: (Bank Guarantee)

[Guarantor letterhead or SWIFT identifier code]

Beneficiary: *[insert name and Address of Employer]*

Date: *_ [Insert date of issue]*

PERFORMANCE GUARANTEE No.: *[Insert guarantee reference number]*

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

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 Applicant") has entered into Contract No. *[insert reference number of the contract]* dated *[insert date]* with the Beneficiary, for the execution of *_ [insert name of contract and brief description of Works]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, a performance guarantee is required.

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 *[insert amount in figures]* (_____) *[insert amount 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.

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 this office indicated above on or before that date.

¹ *The 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(cies) 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 Sub-Clause 55.1. The Employer should note that in the event of an extension of this date for completion of the Contract, the Employer 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. In preparing this guarantee, the Employer might consider adding the following text to the form, at the end of the penultimate paragraph: "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."*

This guarantee is subject to the Uniform Rules for Demand Guarantees (URDG) 2010 Revision, ICC Publication No. 758, except that the supporting statement under Article 15(a) is hereby excluded.

[signature(s)]

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

Performance Security (Performance Bond)

Option 2: Performance Bond

By this Bond *[insert name of Principal]* as Principal (hereinafter called “the Contractor”) and *[insert name of Surety]* as Surety (hereinafter called “the Surety”), are held and firmly bound unto *[insert name of Employer]* as Obligee (hereinafter called “the Employer”) in the amount of *[insert amount in words and figures]*, 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.

WHEREAS the Contractor has entered into a written Agreement with the Employer dated the _____ day of _____, 20 ____, for *[name of contract and brief description of Works]* 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.

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 Employer to be, in default under the Contract, the Employer having performed the Employer’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 Bid or bids from qualified Bidders for submission to the Employer for completing the Contract in accordance with its terms and conditions, and upon determination by the Employer and the Surety of the lowest responsive Bidder, arrange for a Contract between such Bidder and Employer 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 Employer to Contractor under the Contract, less the amount properly paid by Employer to Contractor; or
- (3) pay the Employer the amount required by Employer to complete the Contract in accordance with its terms and conditions up to a total not exceeding the amount of this Bond.

The Surety shall not be liable for a greater sum than the specified penalty of this Bond.

Any suit under this Bond must be instituted before the expiration of one year from the date of issue of the Certificate of Completion.

No right of action shall accrue on this Bond to or for the use of any person or corporation other than the Employer named herein or the heirs, executors, administrators, successors, and assigns of the Employer.

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 _____

Environmental and Social(ES) Performance Security

ES Demand Guarantee

[Guarantor letterhead or SWIFT identifier code]

Beneficiary: *[insert name and Address of Employer]*

Date: *[Insert date of issue]*

ES PERFORMANCE GUARANTEE No.: *[Insert guarantee reference number]*

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

We have been informed that _____ (hereinafter called "the Applicant") has entered into Contract No. _____ dated _____ with the Beneficiary, for the execution of _____ (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, a performance guarantee is required.

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 _____ (_____),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 Environmental and/or Social (ES) obligation(s) under the Contract, without the Beneficiary needing to prove or to show grounds for your demand or the sum specified therein.

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 this office indicated above on or before that date.

¹ *The 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 (cies) 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 55.1. The Employer should note that in the event of an extension of this date for completion of the Contract, the Employer 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. In preparing this guarantee, the Employer might consider adding the following text to the form, at the end of the penultimate paragraph: "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."*

This guarantee is subject to the Uniform Rules for Demand Guarantees (URDG) 2010 Revision, ICC Publication No. 758, except that the supporting statement under Article 15(a) is hereby excluded.

[signature(s)]

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

Advance Payment Security

[Guarantor letterhead or SWIFT identifier code]

Beneficiary: *[Insert name and Address of Employer]*

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]*

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 Applicant") has entered into Contract No. *[insert reference number of the contract]* dated *[insert date]* with the Beneficiary, for the execution of *[insert name of contract and brief description of Works]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, an advance payment in the sum *[insert amount in figures]* () *[insert amount in words]* is to be made against an advance payment guarantee.

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 *[insert amount in figures]* () *[insert amount 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:

- i. has used the advance payment for purposes other than the costs of mobilization in respect of the Works; or
- (a) has failed to repay the advance payment in accordance with the Contract conditions, specifying the amount which the Applicant has failed to repay.

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

¹ *The Guarantor shall insert an amount representing the amount of the advance payment and denominated either in the currency(ies) of the advance payment as specified in the Contract, or in a freely convertible currency acceptable to the Employer.*

above has been credited to the Applicant on its account number *[insert number]* at *[insert name and address of Applicant's bank]*..

The maximum amount of this guarantee shall be progressively reduced by the amount of the advance payment repaid by the Applicant 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 *[insert day]* day of *[insert month]*, 2 *[insert year]*,² whichever is earlier. Consequently, any demand for payment under this guarantee must be received by us at this office on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees (URDG) 2010 Revision, ICC Publication No. 758, except that the supporting statement under Article 15(a) is hereby excluded.

[signature(s)]

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

² *Insert the expected completion date as described in GC Clause 55.1. The Employer should note that in the event of an extension of the expected completion date, the Employer 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. In preparing this guarantee, the Employer might consider adding the following text to the form, at the end of the penultimate paragraph: "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."*

SAMPLE FORMAT:**Invitation for Bids****[COUNTRY]****[NAME OF PROJECT]**

Loan No./Credit No./ Grant No.: _____

Contract Title: _____**Reference No.** (as per Procurement Plan): _____

1. The *[insert name of Borrower/Beneficiary/Recipient]* *[has received/has applied for/intends to apply for]* financing from the World Bank toward the cost of the *[insert name of project or grant]*, and intends to apply part of the proceeds toward payments under the contract⁴⁵ for *[insert title of contract]*⁴⁶.
2. The *[insert name of implementing agency]* now invites sealed bids from eligible bidders for *[insert brief description of Works required, including quantities, location, construction period, margin of preference if applicable, etc.]*⁴⁷.
3. Bidding will be conducted through the International Competitive Bidding procedures as specified in the World Bank's *Guidelines: Procurement of Goods, Works and Non-Consulting Services under IBRD Loans and IDA Credits & Grants by World Bank Borrowers* *[insert correct title and date of applicable Guidelines edition as per legal agreement]* ("Procurement Guidelines"), and is open to all eligible bidders as defined in the Procurement Guidelines. In addition, please refer to paragraphs 1.6 and 1.7 setting forth the World Bank's policy on conflict of interest.
4. Interested eligible bidders may obtain further information from *[insert name of implementing agency, insert name and e-mail of officer in charge]* and inspect the bidding

⁴⁵ Substitute "contracts" where bids are called concurrently for multiple contracts. Add a new para. 3 and renumber paras 3 - 8 as follows: "Bidders may bid for one or several contracts, as further defined in the bidding document. Bidders wishing to offer discounts in case they are awarded more than one contract will be allowed to do so, provided those discounts are included in the Letter of Bid."

⁴⁶ Insert if applicable: "This contract will be jointly financed by *[insert name of cofinancing agency]*. Bidding process will be governed by the World Bank's rules and procedures."

⁴⁷ A brief description of the type(s) of Works should be provided, including quantities, location of Project, construction period, application of margin of preference and other information necessary to enable potential bidders to decide whether or not to respond to the Invitation. Bidding Documents may require bidders to have specific experience or capabilities; such qualification requirements should also be included in this paragraph.

documents during office hours *[insert office hours if applicable i.e. 0900 to 1700 hours]* at the address given below *[state address at the end of this invitation]*⁴⁸.

5. A complete set of bidding documents in *[insert name of language]* may be purchased by interested eligible bidders upon the submission of a written application to the address below and upon payment of a nonrefundable fee⁴⁹ of *[insert amount in Borrower's currency or in a convertible currency]*. The method of payment will be *[insert method of payment]*.⁵⁰ The document will be sent by *[insert delivery procedure]*.⁵¹

6. Bids must be delivered to the address below *[state address at the end of this invitation]*⁵² on or before *[insert time and date]*. Electronic bidding will *[will not]* be permitted. Late bids will be rejected. Bids will be publicly opened in the presence of the bidders' designated representatives and anyone who choose to attend at the address below *[state address at the end of this invitation]* on *[insert time and date]*.

7. All bids must be accompanied by a *[insert "Bid Security" or "Bid-Securing Declaration," as appropriate]* of *[insert amount and currency in case of a Bid Security]*.

8. The address(es) referred to above is(are): *[insert detailed address(es)]*

[insert name of office, room number]

Attn: *[insert name of officer & title]*

[insert postal address and/or street address]

[insert postal code, city, country]

Tel: *[include the country and city code]*

Fax: *[include the country and city code]*

E-mail: *[insert electronic address if electronic bidding is permitted]*

Web site:

⁴⁸ The office for inquiry and issuance of bidding documents and that for bid submission may or may not be the same.

⁴⁹ The fee chargeable should only be nominal to defray reproduction and mailing costs. An amount between US\$50 and US\$300 or equivalent is deemed appropriate.

⁵⁰ For example, cashier's check, direct deposit to specified account number, etc.

⁵¹ The delivery procedure is usually airmail for overseas delivery and surface mail or courier for local delivery. If urgency or security dictates, courier services may be required for overseas delivery. With the agreement of the World Bank, documents may be distributed by e-mail.

⁵² Substitute the address for bid submission if it is different from address for inquiry and issuance of bidding documents.