

REPUBLIC OF KENYA



MANDERA COUNTY GOVERNMENT

**PROPOSED ERECTION AND COMPLETION OF MORDERN
SLAUGHTER HOUSE (PHASE 2) IN MANDERA EAST SUB
COUNTY**

IN

MANDERA COUNTY

TENDER DOCUMENTS

TENDER NO:MCG/OT/28/2019-20.....

IFMIS NEGOTIATION NUMBER: 779022

FEBRUARY, 2020

TABLE OF CONTENTS

	INTRODUCTION
SECTION I	INVITATION FOR TENDERS
SECTION II	INSTRUCTIONS TO TENDERERS
SECTION III	CONDITIONS OF CONTRACT
	APPENDIX TO CONDITIONS OF CONTRACT
SECTION IV	STANDARD FORMS
SECTION V	SPECIFICATIONS, DRAWINGS AND BILLS OF QUANTITIES/SCHEDULE OF RATES...

INTRODUCTION

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

SECTION I

INVITATION FOR TENDERS

Tender reference no. : **MCG/OT/28/2019-20**

Tender Name: PROPOSED ERECTION AND COMPLETION OF MORDERN SLAUGHTER HOUSE (PHASE 2) IN MANDERA EAST SUB COUNTY

The Mandera *County Government* invites sealed PROPOSED ERECTION AND COMPLETION OF MORDERN SLAUGHTER HOUSE (PHASE 2) IN MANDERA EAST SUB COUNTY candidates may obtain further information from the office of the director supply chain management services at the county treasury during normal working hours and via email on supplychain@mandera.go.ke.

1.2 Invitation to tender containing detailed information, tenders number and negotiation numbers and the tender documents can be downloaded free of charge at the county's website www.mandera.go.ke. and also at the tenders portal at tenders.go.ke which can also be accessed from supplier's portal

1.3 Completed set of tender documents shall be scanned and submitted electronically through IFMIS SUPPLIER PORTAL at supplier.treasury.go.ke using the specific IFMIS negotiation number provided in the tender documents as per the requirements contained in the tender documents so as to be received on or before **Thursday 5th March 2020**.

1.4 Bidders must upload a copy of original bid security to the ifmis portal and deliver ORIGINAL bid security to the office of the director supply chain management.

NOTE: The system will automatically close at the time and date of tender closing specified on the IFMIS portal and tender documents. The system does not have provisions for late submission.

MANUAL SUBMISSIONS WILL NOT BE ACCEPTED, all tenders must be submitted through IFMIS PORTAL

All bidders are advised to regularly check the county's website during the bidding period,

Director of Supply Chain Management services
FOR: COUNTY CHIEF OFFICER ACCOUNTING AND FINANCIAL SERVICES

SECTION II
INSTRUCTIONS TO TENDERERS
TABLE OF CONTENTS

CLAUSE

1 . GENERAL -----
2. TENDER DOCUMENTS -----
3. PREPARATION OF TENDERS -----
4. SUBMISSION OF TENDERS -----
5. TENDER OPENING AND EVALUATON -----
6. AWARD OF CONTRACT -----

INSTRUCTIONS TO TENDERERS.

1. General
 - 1.1 The Employer as defined in the Appendix to Conditions of Contract invites tenders for Works Contract as described in the tender documents. The successful Tenderer will be expected to complete the Works by the Intended Completion Date specified in the said Appendix.
 - 1.2 Tenderers shall include the following information and documents with their tenders, unless otherwise stated:
 - (a) copies of certificates of registration, and principal place of business;
 - (b) total monetary value of construction work performed for each of the last five years;
 - (c) experience in works of a similar nature and size for each of the last five years, and clients who may be contacted for further information on these contracts;
 - (d) major items of construction equipment owned;
 - (e) qualifications and experience of key site management and technical personnel proposed for the Contract;
 - (f) reports on the financial standing of the Tenderer, such as profit and loss statements and auditor's reports for the last five years;
 - (g) authority to seek references from the Tenderer's bankers.
 - 1.3 The Tenderer shall bear all costs associated with the preparation and submission of his tender, and the Employer will in no case be responsible or liable for those costs.
 - 1.4 The Tenderer, at the Tenderer's own responsibility and risk, is encouraged to visit and examine the Site of the Works and its surroundings, and obtain all information that may be necessary for preparing the tender and entering into a contract for construction of the Works. The costs of visiting the Site shall be at the Tenderer's own expense.
 - 1.5 The procurement entity's employees, committee members, board members and their relative (spouse and children) are not eligible to participate in the tender.
 - 1.6 The price to be charged for the tender document shall not exceed Kshs.1,000/=
 - 1.7 The procuring entity shall allow the tenderer to review the tender document free of charge before purchase.
2. Tender Documents

- 2.1 The complete set of tender documents comprises the documents listed here below and any addenda issued in accordance with clause 2.4 Here below:-
- (a) These instructions to Tenderers
 - (b) Form of Tender
 - (c) Conditions of Contract and Appendix to Conditions of Contract
 - (d) Specifications
 - (e) Drawings
 - (f) Bills of Quantities/Schedule of Rates (whichever is applicable)
 - (g) Other materials required to be filled and submitted in accordance with these Instructions and Conditions
- 2.2 The Tenderer shall examine all instructions, forms and specifications in the tender documents. Failure to furnish all information required by the tender documents may result in rejection of his tender.
- 2.3 A prospective Tenderer making inquiries of the tendering documents may notify the Employer in writing or by cable, telex or facsimile at the address indicated in the letter of invitation to tender. The Employer will respond to any request for clarification received earlier than seven [7] days prior to the deadline for submission of tenders. Copies of the Employer's response will be forwarded to all persons issued with tendering documents, including a description of the inquiry, but without identifying its source.
- 2.4 Before the deadline for submission of tenders, the Employer may modify the tendering documents by issuing addenda. Any addendum thus issued shall be part of the tendering documents and shall be communicated in writing or by cable, telex or facsimile to all Tenderers. Prospective Tenderers shall acknowledge receipt of each addendum in writing to the Employer.
- 2.5 To give prospective Tenderers reasonable time in which to take an addendum into account in preparing their tenders, the Employer shall extend, as necessary, the deadline for submission of tenders in accordance with clause 4.2 here below.

3. Preparation of Tenders

- 3.1 All documents relating to the tender and any correspondence shall be in English Language.
- 3.2 The tender submitted by the Tenderer shall comprise the following:-
- (a) The Tender;

- (b) Tender Security;
- (c) Priced Bill of Quantities/Schedule of Rates for lump-sum Contracts
- (d) Any other materials required to be completed and submitted by Tenderers.

- 3.3 The Tenderer shall fill in rates and prices for all items of the Works described in the Bill of Quantities/Schedule of Rates. Items for which no rate or price is entered by the Tenderer will not be paid for when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities/Schedule of Rates. All duties, taxes and other levies payable by the Contractor under the Contract, as of 30 days prior to the deadline for submission of tenders, shall be included in the tender price submitted by the Tenderer.
- 3.4 The rates and prices quoted by the Tenderer shall not be subject to any adjustment during the performance of the Contract.
- 3.5 The unit rates and prices shall be in Kenya Shillings.
- 3.6 Tenders shall remain valid for a period of sixty (60) days from the date of submission. However in exceptional circumstances, the Employer may request that the Tenderers extend the period of validity for a specified additional period. The request and the Tenderers' responses shall be made in writing.
- 3.7 The Tenderer shall prepare one original and a copy of the documents comprising the tender documents as described in these Instructions to Tenderers.
- 3.8 The original shall be typed or written in indelible ink and shall be signed by a person or persons duly authorized to sign on behalf of the Tenderer. All pages of the tender where alterations or additions have been made shall be initialed by the person or persons signing the tender.
- 3.9 Clarification of tenders shall be requested by the tenderer to be received by the procuring entity not later than 7 days prior to the deadline for submission of tenders.
- 3.10 The procuring entity shall reply to any clarifications sought by the tenderer within 3 days of receiving the request to enable the tenderer to make timely submission of its tender.

4. Submission of Tenders

- 4.1 The tender duly filled and sealed in an envelope shall;-

- (a) be addressed to the Employer at the address provided in the invitation to tender;
- [b] bear the name and identification number of the Contract as defined in the invitation to tender; and
- [c] provide a warning not to open before the specified time and date for tender opening.

4.2 Tenders shall be delivered to the Employer at the address specified above not later than the time and date specified in the invitation to tender.

4.3 The tenderer shall not submit any alternative offers unless they are specifically required in the tender documents.

Only one tender may be submitted by each tenderer. Any tenderer who fails to comply with this requirement will be disqualified.

4.4 Any tender received after the deadline for opening tenders will be returned to the tenderer un-opened.

4.5 The Employer may extend the deadline for submission of tenders by issuing an amendment in accordance with sub-clause 2.5 in which case all rights and obligations of the Employer and the Tenderers previously subject to the original deadline will then be subject to the new deadline.

5. Tender Opening and Evaluation

5.1 The tenders will be opened in the presence of the Tenderers' representatives who choose to attend at the time and in the place specified in the invitation to tender.

5.2 The Tenderers' names, the total amount of each tender and such other details as may be considered appropriate, will be announced at the opening by the Employer. Minutes of the tender opening, including the information disclosed to those present will also be prepared by the Employer.

5.3 Information relating to the examination, clarification, evaluation and comparison of tenders and recommendations for the award of the Contract shall not be disclosed to Tenderers or any other persons not officially concerned with such process until the award to the successful Tenderer has been announced. Any effort by a Tenderer to influence the Employer's officials, processing of tenders or award

decisions may result in the rejection of his tender.

5.4 Tenders determined to be substantially responsive will be checked for any arithmetic errors. Errors will be corrected as follows:

- (a) where there is a discrepancy between the amount in figures and the amount in words, the amount in words will prevail; and
- (b) where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will prevail, unless in the opinion of the Employer's representative, there is an obvious typographical error, in which case the adjustment will be made to the entry containing that error.
- (c) In the event of a discrepancy between the tender amount as stated in the Form of Tender and the corrected tender figure in the main summary of the Bill of Quantities/Quotation, the amount as stated in the Form of Tender shall prevail.
- (d) The Error Correction Factor shall be computed by expressing the difference between the tender amount and the corrected tender sum as a percentage of the Corrected Builder's Work (i.e. corrected tender sum less P.C. and Provisional Sums).
- (e) The Error Correction Factor shall be applied to all Builder's Work (as a rebate or addition as the case may be) for the purposes of valuations for Interim Certificates and valuation of variations.
- (f) The amount stated in the tender will be adjusted in accordance with the above procedure for the correction of errors and with concurrence of the Tenderer, shall be considered as binding upon the Tenderer. If the Tenderer does not accept the corrected amount, the tender may be rejected and the Tender Security forfeited.

5.5 The tender evaluation committee shall evaluate the tender within 30 days of the validity period from the date of opening the tender.

5.6 Contract price variations shall not be allowed for contracts not exceeding one year (12 months)

5.7 Where contract price variation is allowed, the valuation shall not exceed 15% of the original contract price.

5.8 Price variation requests shall be processed by the procuring entity within 30 days of receiving the request. Preference where allowed in

the evaluation of tenders shall not exceed 15%

- 5.9 To assist in the examination, evaluation, and comparison of tenders, the Employer at his discretion, may request [in writing] any Tenderer for clarification of the tender, including breakdowns of unit rates. The request for clarification and the response shall be in writing or by cable, telex or facsimile but no change in the tender price or substance of the tender shall be sought, offered or permitted.
- 5.10 The Tenderer shall not influence the Employer on any matter relating to his tender from the time of the tender opening to the time the Contract is awarded. Any effort by the Tenderer to influence the Employer or his employees in his decision on tender evaluation, tender comparison or Contract award may result in the rejection of the tender.

6. Award of Contract

- 6.1 The award of the Contract will be made to the Tenderer who has offered the lowest evaluated tender price.
- 6.2 Notwithstanding the provisions of clause 6.1 above, the Employer reserves the right to accept or reject any tender and to cancel the tendering process and reject all tenders at any time prior to the award of Contract without thereby incurring any liability to the affected Tenderer or Tenderers or any obligation to inform the affected Tenderer or Tenderers of the grounds for the action.
- 6.3 The Tenderer whose tender has been accepted will be notified of the award prior to expiration of the tender validity period in writing or by cable, telex or facsimile. This notification (hereinafter and in all Contract documents called the "Letter of Acceptance") will state the sum [hereinafter and in all Contract documents called the "Contract Price" which the Employer will pay the Contractor in consideration of the execution, completion, and maintenance of the Works by the Contractor as prescribed by the Contract. The contract shall be formed on the parties signing the contract. At the same time the other tenderers shall be informed that their tenders have not been successful.
- 6.4 The Contract Agreement will incorporate all agreements between the Employer and the successful Tenderer. It will be signed by the Employer and sent to the successful Tenderer, within 30 days following the notification of award. Within 21 days of receipt, the successful Tenderer will sign the Agreement and return it to the Employer.
- 6.5 Within 21 days after receipt of the Letter of Acceptance, the successful Tenderer shall deliver to the Employer a Performance Security amount

stipulated in the Appendix to Conditions of Contract.

- 6.6 The parties to the contract shall have it signed within 30 days from the date of notification of contract award unless there is an administrative review request.
- 6.7 The procuring entity may at any time terminate procurement proceedings before contract award and shall not be liable to any person for the termination.
- 6.8 The procuring entity shall give prompt notice of the termination to the tenderers and on request give its reasons for termination within 14 days of receiving the request from any tenderer.

7. Corrupt and fraudulent practices

- 7.1 The procuring entity requires that the tenderer observes the highest standard of ethics during the procurement process and execution of the contract. A tenderer shall sign a declaration that he has not and will not be involved in corrupt and fraudulent practices.
- 7.2 The procuring entity will reject a tender if it determines that the tenderer recommended for award has engaged in corrupt and fraudulent practices in competing for the contract in question.
- 7.3 Further a tenderer who is found to have indulged in corrupt and fraudulent practices risks being debarred from participating in public procurement in Kenya.

Appendix to Instructions to Tenderers

Notes on the Appendix to the Instruction to Tenderers

1. The Appendix to instructions to tenderers is intended to assist the procuring entity in providing specific information in relation to the corresponding clause in the instructions to Tenderers and has to be prepared for each specific procurement.
2. The procuring entity should specify in the appendix information and requirements specific to the circumstances of the procuring entity, the goods to be procured and the tender evaluation criteria that will apply to the tenders.
3. In preparing the Appendix the following aspects should be taken into consideration;
 - (a) The information that specifies and complements provisions of Instruction to tenderers to be incorporated
 - (b) Amendments and/or supplements if any, to provisions of Section 2.0 as necessitated by the circumstances of the goods to be procured to be also incorporated
4. Section II should remain unchanged and can only be amended through the Appendix.
5. Clauses to be included in this part must be consistent with the public procurement law and the regulations.

Appendix to Instructions to Tenderers/General information

The following information regarding the particulars of the tender shall complement supplement or amend the provisions of the instructions to tenderers. Wherever there is a conflict between the provision of the instructions to tenderers and the provisions of the appendix, the provisions of the appendix herein shall prevail over those of the instructions to tenderers

INSTRUCTIONS TO TENDERERS REFERENCE	PARTICULARS OF APPENDIX TO INSTRUCTIONS TO TENDERS
	<i>The bidders shall submit their bid through ifmis supplier portal by the negotiations numbers attached to the tender document on or before Thursday, 5TH MARCH 2020 at 10.00 Am</i>
	<i>The bidder shall submit a minimum bid security of 2% OF TENDER SUM from a reputable bank or recognized insurance company</i>
	<i>Bidders who do not submit their bids through ifmis portal will be not be considered for evaluation of the bids.</i>

EVALUATION AND COMPARISON OF TENDERS

Evaluation and comparison of Tenders: the following evaluation criteria shall be applied notwithstanding any other requirement in the tender documents.

a) Mandatory requirements(MR)

The following requirements must be met by the tenderer

PRELIMINARY EVALUATION CRITERIA

S/No	REQUIREMENTS	Score Mandatory	B1	B2	B3	B4	B5	B6
1	Dully filled and stamped confidential business questionnaire	Mandatory (Yes/No)						
2	Form of tender duly filled, signed and stamped	Mandatory (Yes/No)						
3	The form of power of attorney shall be duly filled, signed and stamped	Mandatory (Yes/No)						
4	Bid Security (2% of tender sum from a reputable bank or insurance firm)	Mandatory (Yes/No)						
5	Certified Valid current year business permits.	Mandatory (Yes/No)						
6	Certified Valid current year tax compliance certificate.	Mandatory (Yes/No)						
7	Certified Certificate of incorporation.	Mandatory (Yes/No)						
8	Certified PIN/VAT certificate from KRA	Mandatory						

		(Yes/No)							
9	Certified Certificate of Registration with NCA for building works (4 and above)	Mandatory (Yes/No)							
10	Certified CR 12 form	Mandatory (Yes/No)							

KEY

Bidder 1: B1
 Bidder 2: B2
 Bidder 3: B3
 Bidder 4: B4
 Bidder 5: B5
 Bidder 6: B6
 Bidder 7: B7
 Bidder 8: B8

NB: At this stage, the tender's submission will either be responsive or non-responsive. The non-responsive submission will be eliminated from the entire evaluation process and will not be considered further.

TECHNICAL EVALUATION CRITERIA SUMMARY

No.	REQUIREMENTS									
A. Personnel (Must attach CV and copy of certificates)	Score card 70)	B1	B2	B3	B4	B5	B6	B7	B8	
1.	One Site Agent / Contract manager (Registered Civil Engineer/QS/Structural/Architect)	3 Marks								
2.	Environment officer at least bachelor degree in environmental science or equivalent	3 Marks								
3.	2No inspector of building works (must be holders of at least diploma/HND in civil engineering or equivalent)	4 Marks								

4.	Bidders attach valid proof of at least three similar projects(building construction works)of similar magnitude.	15Marks								
5.	Bidders shall attach audited financial reports for the last two years (2018,2017) certified	10 Marks								
6.	Duly filled, signed and stamped BQ attached to the company profile	25 Marks								
7	Attach proof of ownership/lease of equipment	5 Marks								
8	Attach bank statement for the last 6 months	5Marks								
	Total	70 Marks								

a) Technical evaluations scores

This section (technical evaluation) will be marked out of 70 and will determine the technical scorers (TS). Note: at this stage any firm that failed to score above 0r 49/70 shall NOT be evaluated financially.

SECTION III – CONDITIONS OF CONTRACT

1. Definitions

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

“Bills of Quantities” means the priced and completed Bill of Quantities forming part of the tender [where applicable].

“Schedule of Rates” means the priced Schedule of Rates forming part of the tender [where applicable].

“The Completion Date” means the date of completion of the Works as certified by the Employer’s Representative.

“The Contract” means the agreement entered into by the Employer and the Contractor as recorded in the Agreement Form and signed by the parties.

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

“The Contractor’s Tender” is the completed tendering document submitted by the Contractor to the Employer.

“The Contract Price” is the price stated in the Letter of Acceptance.

“Days” are calendar days; “Months” are calendar months.

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

“The Defects Liability Certificate” is the certificate issued by Employer’s Representative upon correction of defects by the Contractor.

“The Defects Liability Period” is the period named in the Appendix to Conditions of Contract and calculated from the Completion Date.

“Drawings” include calculations and other information provided or approved by the Employer’s Representative for the execution of the Contract.

“Employer” Includes Central or Local Government administration, Universities, Public Institutions and Corporations and is the party

who employs the Contractor to carry out the Works.

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

“Site” means the place or places where the permanent Works are to be carried out including workshops where the same is being prepared.

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

“Employer’s Representative” is the person appointed by the Employer and notified to the Contractor for the purpose of supervision of the Works.

“Specification” means the Specification of the Works included in the Contract.

“Start Date” is the date when the Contractor shall commence execution of the Works.

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

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

“ A Variation” is an instruction given by the Employer’s Representative which varies the Works.

“The Works” are what the Contract requires the Contractor to construct, install, and turnover to the Employer.

2. Contract Documents

2.1 The following documents shall constitute the Contract documents and shall be interpreted in the following order of priority;

- (1) Agreement,
- (2) Letter of Acceptance,
- (3) Contractor’s Tender,
- (4) Conditions of Contract,
- (5) Specifications,
- (6) Drawings,
- (7) Bills of Quantities or Schedule of Rates [whichever is applicable]

3. Employer’s Representative’s Decisions

3.1 Except where otherwise specifically stated, the Employer's Representative will decide contractual matters between the Employer and the Contractor in the role representing the Employer.

4. Works, Language and Law of Contract

4.1 The Contractor shall construct and install the Works in accordance with the Contract documents. The Works may commence on the Start Date and shall be carried out in accordance with the Program submitted by the Contractor, as updated with the approval of the Employer's Representative, and complete them by the Intended Completion Date.

4.2 The ruling language of the Contract shall be English language and the law governing the Contract shall be the law of the Republic of Kenya.

5. Safety, Temporary works and Discoveries

5.1 The Contractor shall be responsible for design of temporary works and shall obtain approval of third parties to the design of the temporary works where required.

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

5.3 Any thing of historical or other interest or significant value unexpectedly discovered on the Site shall be the property of the Employer. The Contractor shall notify the Employer's Representative of such discoveries and carry out the Employer's Representative's instructions for dealing with them.

6 Work Program and Sub-contracting

6.1 Within seven days after Site possession date, the Contractor shall submit to the Employer's Representative for approval a program showing the general methods, arrangements, order and timing for all the activities in the Works.

6.2 The Contractor may sub-contract the Works (but only to a maximum of 25 percent of the Contract Price) with the approval of the Employer's Representative. However, he shall not assign the Contract without the approval of the Employer in writing. Sub-contracting shall not alter the Contractor's obligations.

7 The site

7.1 The Employer shall give possession of all parts of the Site to the Contractor. The Contractor shall allow the Employer's

Representative and any other person authorised by the Employer's Representative, 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.

8 Instructions

- 8.1 The Contractor shall carry out all instructions of the Employer's Representative which are in accordance with the Contract.

9 Extension of Completion Date

- 9.1 The Employer's Representative shall extend the Completion Date if an occurrence arises which makes it impossible for completion to be achieved by the Intended Completion Date. The Employer's Representative shall decide whether and by how much to extend the Completion Date.
- 9.2 For the purposes of this clause, the following occurrences shall be valid for consideration;

Delay by:-

- (a) force majeure, or
- (b) reason of any exceptionally adverse weather conditions, or
- (c) reason of civil commotion, strike or lockout affecting any of the trades employed upon the Works or any of the trades engaged in the preparation, manufacture or transportation of any of the goods or materials required for the Works, or
- (d) reason of the Employer's Representative's instructions issued under these Conditions, or
- (e) reason of the contractor not having received in due time necessary instructions, drawings, details or levels from the Employer's Representative for which he specifically applied in writing on a date which having regard to the date for Completion stated in the appendix to these Conditions or to any extension of time then fixed under this clause was neither unreasonably distant from nor unreasonably close to the date on which it was necessary for him to receive the same, or
- (f) delay on the part of artists, tradesmen or others engaged by the Employer in executing work not forming part of this Contract, or
- (g) reason of delay by statutory or other services providers or similar bodies engaged directly by the Employer, or

- (h) reason of opening up for inspection of any Work covered up or of the testing or any of the Work, materials or goods in accordance with these conditions unless the inspection or test showed that the Work, materials or goods were not in accordance with this Contract, or
- (i) reason of delay in appointing a replacement Employer's Representative, or
- (j) reason of delay caused by the late supply of goods or materials or in executing Work for which the Employer or his agents are contractually obliged to supply or to execute as the case may be, or
- (k) delay in receiving possession of or access to the Site.

10 Management Meetings

- 10.1 A Contract management meeting shall be held regularly and attended by the Employer's Representative and the Contractor. Its business shall be to review the plans for the remaining Work. The Employer's Representative shall record the business of management meetings and provide copies of the record to those attending the meeting and the Employer. The responsibility of the parties for actions to be taken shall be decided by the Employer's Representative either at the management meeting or after the management meeting and stated in writing to all who attend the meeting.
- 10.2 Communication between parties shall be effective only when in writing.

11 Defects

- 11.1 The Employer's Representative shall inspect the Contractor's work and notify the Contractor of any defects that are found. Such inspection shall not affect the Contractor's responsibilities. The Employer's Representative may instruct the Contractor to search for a defect and to uncover and test any Work that the Employer's Representative considers may have a defect. Should the defect be found, the cost of uncovering and making good shall be borne by the Contractor. However if there is no defect found, the cost of uncovering and making good shall be treated as a variation and added to the Contract Price.
- 11.2 The Employer's Representative shall give notice to the Contractor of any defects before the end of the Defects Liability Period, which begins at Completion, and is defined in the Appendix to

Conditions of Contract.

- 11.3 Every time notice of a defect is given, the Contractor shall correct the notified defect within the length of time specified by the Employer's Representative's notice. If the Contractor has not corrected a defect within the time specified in the Employer's Representative's notice, the Employer's Representative will assess the cost of having the defect corrected by other parties and such cost shall be treated as a variation and be deducted from the Contract Price.

12 Bills of Quantities/Schedule of Rates

- 12.1 The Bills of Quantities/Schedule of Rates shall contain items for the construction, installation, testing and commissioning of the Work to be done by the Contractor. The Contractor will be paid for the quantity of the Work done at the rates in the Bills of Quantities/Schedule of Rates for each item. Items against which no rate is entered by the Tenderer will not be paid for when executed and shall be deemed covered by the rates for other items in the Bills of Quantities/Schedule of Rates.
- 12.2 Where Bills of Quantities do not form part of the Contract, the Contract Price shall be a lump sum (which shall be deemed to have been based on the rates in the Schedule of Rates forming part of the tender) and shall be subject to re-measurement after each stage.

13 Variations

- 13.1 The Contractor shall provide the Employer's Representative with a quotation for carrying out the variations when requested to do so. The Employer's Representative shall assess the quotation and shall obtain the necessary authority from the Employer before the variation is ordered.
- 13.2 If the Work in the variation corresponds with an item description in the Bill of Quantities/Schedule of Rates, the rate in the Bill of Quantities/Schedule of Rates shall be used to calculate the value of the variation. If the nature of the Work in the variation does not correspond with items in the Bill of Quantities/Schedule of Rates, the quotation by the Contractor shall be in the form of new rates for the relevant items of Work.
- 13.3 If the Contractor's quotation is unreasonable, the Employer's Representative may order the variation and make a change to the Contract Price, which shall be based on the Employer's Representative's own forecast of the effects of the variation on the Contractor's costs.

14 Payment Certificates and Final Account

- 14.1 The Contractor shall be paid after each of the following stages of Work listed herebelow (subject to re-measurement by the Employer's Representative of the Work done in each stage before payment is made). In case of lump-sum Contracts, the valuation for each stage shall be based on the quantities so obtained in the re-measurement and the rates in the Schedule of Rates.
- (i) Advance payment_
(percent of Contract Price,
[after Contract execution] *to be inserted by the Employer*).
 - (ii) First stage (*define stage*) _
 - (iii) Second stage (*define stage*)_
 - (iv) Third stage (*define stage*) _
 - (v) After defects liability period .
- 14.2 Upon deciding that Works included in a particular stage are complete, the Contractor shall submit to the Employer's Representative his application for payment. The Employer's Representative shall check, adjust if necessary and certify the amount to be paid to the Contractor within 21 days of receipt of the Contractor's application .The Employer shall pay the Contractor the amounts so certified within 30 days of the date of issue of each Interim Certificate.
- 14.3 The Contractor shall supply the Employer's Representative with a detailed final account of the total amount that the Contractor considers payable under the Contract before the end of the Defects Liability Period. The Employer's Representative shall issue a Defect Liability Certificate and certify any final payment that is due to the Contractor within 30 days of receiving the Contractor's account if it is correct and complete. If it is not, the Employer's Representative shall issue within 21 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 Employer's Representative shall decide on the amount payable to the Contractor and issue a Final Payment Certificate. The Employer shall pay the Contractor the amount so certified within 60 days of the issue of the Final Payment Certificate.
- 14.4 If the period laid down for payment to the Contractor upon each of the Employer's Representative's Certificate by the Employer has been exceeded, the Contractor shall be entitled to claim simple interest

calculated pro-rata on the basis of the number of days delayed at the Central Bank of Kenya's average base lending rate prevailing on the first day the payment becomes overdue. The Contractor will be required to notify the Employer within 15 days of receipt of delayed payments of his intentions to claim interest.

15. Insurance

15.1 The Contractor shall be responsible for and shall take out appropriate cover against, among other risks, personal injury; loss of or damage to the Works, materials and plant; and loss of or damage to property.

16. Liquidated Damages

16.1 The Contractor shall pay liquidated damages to the Employer at the rate 0.001 per cent of the Contract price per day for each day that the actual Completion Date is later than the Intended Completion Date except in the case of any of the occurrences listed under clause 9.2. The Employer may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages shall not affect the Contractor's liabilities.

17. Completion and Taking Over

17.1 Upon deciding that the Work is complete the Contractor shall request the Employer's Representative to issue a Certificate of Completion of the Works, upon deciding that the Work is completed.

The Employer shall take over the Site and the Works within seven days of the Employer's Representative issuing a Certificate of Completion.

18. Termination

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

- (a) the Contractor stops Work for 30 days continuously without reasonable cause or authority from the Employer's Representative;
- (b) the Contractor is declared bankrupt or goes into liquidation other than for a reconstruction or amalgamation;
- (c) a payment certified by the Employer's Representative is not paid by the Employer to the Contractor within 30 days after the

expiry of the payment periods stated in sub clauses 14.2 and 14.3 hereinabove.

- (d) the Employer's Representative 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.

18.2 If the Contract is terminated, the Contractor shall stop Work immediately, and leave the Site as soon as reasonably possible. The Employer's Representative shall immediately thereafter arrange for a meeting for the purpose of taking record of the Works executed and materials, goods, equipment and temporary buildings on Site.

19. Payment Upon Termination

19.1 The Employer may employ and pay other persons to carry out and complete the Works and to rectify any defects and may enter upon the Works and use all materials on Site, plant, equipment and temporary works.

19.2 The Contractor shall, during the execution or after the completion of the Works under this clause, remove from the Site as and when required within such reasonable time as the Employer's Representative may in writing specify, any temporary buildings, plant, machinery, appliances, goods or materials belonging to him, and in default thereof, the Employer may (without being responsible for any loss or damage) remove and sell any such property of the Contractor, holding the proceeds less all costs incurred to the credit of the Contractor.

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

20. Corrupt Gifts and Payments of Commission

20.1 The Contractor shall not;

- (a) Offer or give or agree to give to any person in the service of the Employer any gifts or consideration of any kind as an inducement or reward for doing or forbearing to do or for having

done or forborne to do any act in relation to the obtaining or execution of this or any other contract with the Employer or for showing or forbearing to show favour or disfavour to any person in relation to this or any other contract with the Employer.

- (b) Any breach of this Condition by the Contractor or by anyone employed by him or acting on his behalf (whether with or without the knowledge of the Contractor) shall be an offence under the Laws of Kenya.

21. Settlement of Disputes

- 21.1 Any dispute arising out of the Contract which cannot be amicably settled between the parties shall be referred by either party to the arbitration and final decision of a person to be agreed between the parties. Failing agreement to concur in the appointment of an Arbitrator, the Arbitrator shall be appointed by the chairman of the Chartered Institute of Arbitrators, Kenya branch, on the request of the applying party.

SECTION IV – APPENDIX TO CONDITIONS OF CONTRACT

THE EMPLOYER IS

Name: **GOVERNOR - Mandera County Government**
Address: **P.O Box 13, MANDERA**

Name of Authorized Representative: **County Executive Committee Member – AGRICULTURE, LIVESTOCK AND FISHERIES**

Cell phone:
E-mail:/Fax:

Name of Alternative Representative: **Chief Officer – LIVESTOCK AND FISHERIES**

Cell phone:
E-mail:/Fax:

The Project Manager is: **County Director – PUBLIC WORKS, Mandera County.**
Address: **P.O. BOX 13, MANDERA**
Cell phone:

1.2 The name (and identification number) of the Contract is: PROPOSED ERECTION AND COMPLETION OF MORDERN SLAUGHTER HOUSE (PHASE 2) IN MANDERA EAST SUB COUNTY

1.3 The works consist of: PROPOSED ERECTION AND COMPLETION OF MORDERN SLAUGHTER HOUSE (PHASE 2) IN MANDERA EAST SUB COUNTY

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

The Intended Completion Date for the whole of the Works shall be **fifty two weeks (52)** from the commencement date as agreed with the Project Manager.

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

The Contractor shall submit a revised program for the Works within **fourteen days(14)** days of delivery of the Letter of Acceptance.

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

The Defects Liability period is **180** days

The minimum insurance covers shall be; **“ALL RISKS INSURANCE”**

The following events shall also be Compensation Events:

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

2. _____

3. _____

4. _____

The period between Program updates is **15** days.

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

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

The Price Adjustment Clause **SHALL NOT** apply

The liquidated damages for the whole of the Works is Kshs.**1,000.00** (per week)

The Performance Security shall be for the following minimum amounts equivalent as a percentage of the Contract Price **10 percent (%)**

The Completion Period for the Works is **fifty two weeks (52)**

The rate of exchange for calculation of foreign currency payments is **not applicable**

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

Advance Payment **SHALL NOT be** granted.

The Bidder should submit **ONLY ONE (1 NO.) ORIGINAL AND A COPY** of the Bills of Quantities as indicated in Clause 4.1 of the Instruction to Tenderers.

This Tender must be accompanied by a Bid Bond or else the tender shall be disqualified.

SECTION V- STANDARD FORM

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

FORM OF TENDER

TO: MANDERA COUNTY GOVERNMENT

_____ [Date]

1.4 **REF:** TENDER FOR PROPOSED ERECTION AND COMPLETION OF MORDERN SLAUGHTER HOUSE (PHASE 2) IN MANDERA EAST SUB COUNTY

Dear Sir,

1. In accordance with the Conditions of Contract, Specifications, Drawings and Bills of Quantities for the execution of the above named Works, we, the undersigned offer to construct, install and complete such Works and remedy any defects therein for the sum of Kshs. _____ [Amount in figures] Kenya Shillings _____ [Amount in words]
2. We undertake, if our tender is accepted, to commence the Works as soon as is reasonably possible after the receipt of the Project Manager's notice to commence, and to complete the whole of the Works comprised in the Contract within the time stated in the Appendix to Conditions of Contract.
3. We agree to abide by this tender for 120 days from the date of submission, and it shall remain binding upon us and may be accepted at any time before that date.
4. Unless and until a formal Agreement is prepared and executed this tender together with your written acceptance thereof, shall constitute a binding Contract between us.
5. We understand that you are not bound to accept the lowest or any tender you may receive.

Dated this _____ day of _____ 20_____

Signature _____ in the capacity of _____

duly authorized to sign tenders for and on behalf of
 _____ [Name of Employer]
 of _____ [Address of Employer]

Witness; Name _____

Address _____

Signature _____

Date _____

LETTER OF ACCEPTANCE

[letterhead paper of the Employer]

_____ [date]

To: _____
[name of the Contractor]

[address of the Contractor]

Dear Sir,

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

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

Authorized Signature

Name and Title of Signatory

Attachment : Agreement

FORM OF AGREEMENT

THIS AGREEMENT, made the _____ day of _____ 20 _____ between **MANDERA COUNTY GOVERNMENT** of [or whose registered office is situated at] **P.O BOX 13, MANDERA, KENYA** (hereinafter called “the Employer”) of the one part AND _____ of [or whose registered office is situated at] _____ (hereinafter called “the Contractor”) of the other part.

WHEREAS THE Employer is desirous that the Contractor executes PROPOSED ERECTION AND COMPLETION OF MORDERN SLAUGHTER HOUSE (PHASE 2) IN MANDERA EAST SUB COUNTY

MCG/OT/28/2019-20

(*name and identification number of Contract*) (herein after called “the Works”) located at **Mandera County** [*Place/location of the Works*] and the Employer has accepted the tender submitted by the Contractor for the execution and completion of such Works and the remedying of any defects therein for the Contract Price of

Kshs _____ [*Amount in figures*], Kenya

Shillings _____ [*Amount in words*].

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents shall be deemed to form and shall be read and construed as part of this Agreement i.e.
 - (i) Letter of Acceptance
 - (ii) Form of Tender
 - (iii) Conditions of Contract Part I
 - (iv) Conditions of Contract Part II and Appendix to Conditions of Contract
 - (v) Specifications
 - (vi) Drawings
 - (vii) Priced Bills of Quantities
3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby

covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all respects with the provisions of the Contract.

1. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

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

The common Seal of _____

Was hereunto affixed in the presence of _____

Signed Sealed, and Delivered by the said _____

Binding Signature of Employer _____

Binding Signature of Contractor _____

In the presence of (i) Name _____

Address _____

Signature _____

[ii] Name _____

Address _____

Signature _____

FORM OF TENDER SECURITY

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

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

THE CONDITIONS of this obligation are:

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

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

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

[date]

[signature of the Bank]

[witness]

[seal]

PERFORMANCE BANK GUARANTEE

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

Dear Sir,

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

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

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

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

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

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

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

SIGNATURE AND SEAL OF THE GUARANTOR _____

Name of Bank _____

Address _____

Date _____

BANK GUARANTEE FOR ADVANCE PAYMENT

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

Gentlemen,

Ref: _____ [name of Contract]

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

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

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

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

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

Yours faithfully,

Signature and Seal _____

Name of the Bank or financial institution _____

Address _____

Date _____

Witness: Name: _____

Address: _____

Signature: _____

Date: _____

CONFIDENTIAL BUSINESS QUESTIONNAIRE

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

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

Part 1 – General

Business Name

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

Plot No..... Street/Road

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

Nature of Business.....

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

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

Name of your bankers.....

Branch.....

Part 2 (a) – Sole Proprietor

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

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

*Citizenship details

Part 2 (b) – Partnership

Give details of partners as follows:

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

LETTER OF NOTIFICATION OF AWARD

Address of Procuring Entity

To: _____

RE: Tender No. _____

Tender Name _____

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

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

(FULL PARTICULARS) _____

SIGNED FOR ACCOUNTING OFFICER

FORM RB 1

REPUBLIC OF KENYA
PUBLIC PROCUREMENT ADMINISTRATIVE REVIEW BOARD

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

BETWEEN

.....APPLICANT

AND

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

Request for review of the decision of the..... (*Name of the Procuring Entity*) of
.....dated the...day of20.....in the matter of Tender No.....of
.....20...

REQUEST FOR REVIEW

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

- 1.
- 2.
- etc.

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

- 1.
- 2.
- etc

SIGNED(Applicant)

Dated on.....day of/...20...

FOR OFFICIAL USE ONLY

Lodged with the Secretary Public Procurement Administrative Review Board on day
of20.....

SIGNED
Board Secretary

FORM OF POWER OF ATTORNEY

(All bidders shall complete this form otherwise, their bids shall be considered non-responsive)

We _____ (Name of Bidder)

having our offices located in _____ (Name of Town and Building) duly
authorise

_____ (Name of person appointed to act for and on behalf
of the bidder) to act for and on our behalf on all matters pertaining to the execution of works as stipulated und

Duly signed and delivered:

Name of appointed attorney: _____

Signature of appointed attorney: _____

Witnessed by:

1. Name of First Company Director: _____

Signature: _____

2. Name of Second Company Director: _____

Signature: _____

Company Seal:

SECTION VI – SPECIFICATIONS, DRAWINGS & BILLS OF QUANTITIES

SPECIFICATIONS

Notes for preparing Specifications

- 1.0 Specifications must be drafted to present a clear and precise statement of the required standards of materials, and workmanship for tenderers to respond realistically and competitively to the requirements of the Employer and ensure responsiveness of tenders. The Specifications should require that all materials, plant, and other supplies to be permanently incorporated in the Works be new, unused, of the most recent or current models, and incorporating all recent improvements in design and materials unless provided otherwise in the Contract. Where the Contractor is responsible for the design of any part of the permanent Works, the extent of his obligations must be stated.
- 2.0 Specifications from previous similar projects are useful and may not be necessary to re-write specifications for every Works Contract.
- 3.0 There are considerable advantages in standardizing **General Specifications** for repetitive Works in recognized public sectors, such as highways, urban housing, irrigation and water supply. The General Specifications should cover all classes of workmanship, materials and equipment commonly involved in constructions, although not necessarily to be used in a particular works contract. Deletions or addenda should then adapt the General Specifications to the particular Works.
- 4.0 Care must be taken in drafting Specifications to ensure they are not restrictive. In the Specifications of standards for materials, plant and workmanship, existing Kenya Standards should be used as much as possible, otherwise recognized international standards may also be used.
- 5.0 The Employer should decide whether technical solutions to specified parts of the Works are to be permitted. Alternatives are appropriate in cases where obvious (and potentially less costly) alternatives are possible to the technical solutions indicated in tender documents for certain elements of the Works, taking into consideration the comparative specialized advantage of potential tenderers.

The Employer should provide a description of the selected parts of the Works with appropriate reference to Drawings, Specifications, Bills of Quantities, and Design or Performance criteria, stating that the alternative solutions shall be at

least structurally and functionally equivalent to the basic design parameters and Specifications.

Such alternative solutions shall be accompanied by all information necessary for a complete evaluation by the Employer, including drawings, design calculations, technical specifications, breakdown of prices, proposed construction methodology, and other relevant details. Technical alternatives permitted in this manner shall be considered by the Employer each on its own merits and independently of whether the tenderer has priced the item as described in the Employer's design included with the tender documents.

BILLS OF QUANTITIES

PARTICULAR PRELIMINARIES

ITEM	DESCRIPTION	AMOUNT (Kshs).
A	<p>PRICING ITEMS OF PRELIMINARIES</p> <p>Prices SHALL BE INSERTED against items of “preliminaries” in the tenderer’s priced Bills of Quantities. The Contractor shall be deemed to have included in his prices or rates for the various items in the Bills of Quantities or Specification for all costs involved in complying with all the requirements for the proper execution of the whole of the works in the Contract. The contractor is advised to read and understand all</p>	
B	<p>DESCRIPTION OF THE WORKS</p> <p>The works to be carried out under this contract involves construction to completion of Proposed completion of slaughter house</p>	
C	<p>MEASUREMENTS</p> <p>In the event of any discrepancies arising between the Bills of Quantities and the actual works, the site measurements shall generally take precedence. However, such discrepancies between any contract documents shall immediately be referred to the PROJECT MANAGER in accordance with Clause 22 of the Conditions of Contract. The discrepancies shall then be treated as a variation and be dealt with in accordance</p>	
D	<p>LOCATION OF SITE</p> <p>The site is located at mandera east sub county. The Contractor is advised to visit the site, to familiarize with the nature and position of the site. No claims arising from the Contractor’s failure to do so will be entertained.</p>	
	Carried to Collection	

Item	DESCRIPTION	Kshs.
A	<p>CLEARING AWAY</p> <p>The Contractor shall remove all temporary works, rubbish, debris and surplus materials from the site as they accumulate and upon completion of the works, remove and clear away all plant, equipment, rubbish, unused materials and stains and leave in a clean and tidy state to the reasonable satisfaction of the Project</p> <p>The whole of the works shall be delivered up clean, complete and in perfect condition in every respect to the satisfaction of the Project Manager.</p>	
B	<p>CLAIMS</p> <p>It shall be a condition of this contract that upon it becoming reasonably apparent to the Contractor that he has incurred losses and/or expenses due to any of the contract conditions, or by any other reason whatsoever, he shall present such claim or intent to claim notice to the PROJECT MANAGER within the contract period. No claims shall be entertained upon the expiry of the</p>	
C	<p>PAYMENTS</p> <p>The tenderer's attention is drawn to the fact that the GOVERNMENT MAY MAKE ADVANCE</p>	
D	<p>PREVENTION OF ACCIDENT, DAMAGE OR LOSS</p> <p>The Contractor is notified that these works are to be carried out on a restricted site where the client is going on with other normal activities. The Contractor is instructed to take reasonable care in the execution of the works as to prevent accidents, damage or loss and disruption of normal activities being carried out by the Client. The Contractor shall allow in his rates any expense he deems necessary by taking such care within</p>	
E	<p>BID SECURITY</p> <p>The contractor shall provide a bid security duly signed, sealed and stamped from an approved Bank of required amount.</p>	
	Carried to Collection	

Item	DESCRIPTION	Kshs.
A	<p>WORKING CONDITIONS</p> <p>The Contractor shall allow in his rates for any interference that he may encounter in the course of execution of the works for the Client may in some cases ask the Contractor not to proceed with the works until some activities within the site are completed, as the facility will be operating as usual during the course of the</p>	
B	<p>SIGNBOARD</p> <p>Allow for providing, erecting, maintaining throughout the course of the Contract and afterwards clearing away a signboard as designed, specified and approved by the Project Manager.</p>	
C	<p>LABOUR CAMPS</p> <p>The Contractor shall not be allowed to house labour on site. Allow for transporting workers to and from the site during the tenure of the contract.</p>	
D	<p>MATERIALS FROM DEMOLITIONS</p> <p>Any materials arising from demolitions and not re-used shall become the property of the government. The Contractor shall allow in his rates the cost of transporting the demolished materials to the District</p>	
E	<p>PRICING RATES</p> <p>The tenderer shall include for all costs in executing the whole of the works, including transport, replacing damaged items, fixing, all to comply with the said Conditions of Contract.</p>	
	Carried to Collection	

Item	DESCRIPTION	Kshs.
A	<p>SECURITY</p> <p>The Contractor shall allow for providing adequate security for the works and the workers in the course of execution of this contract. No claim will be entertained from the Contractor for not maintaining adequate security for both the works and workers.</p>	
B	<p>URGENCY OF THE WORKS</p> <p>The Contractor is notified that these “works are urgent” and should be completed within the period stated in these Particular Preliminaries. The Contractor shall allow in his rates for any costs he deems that he/she may incur by having to complete the works within the stipulated</p>	
C	<p>PAYMENT FOR MATERIALS ON SITE</p> <p>All materials for incorporation in the works must be stored on site before payment is effected, unless specifically exempted by the Project Manager. This is to include materials of the Contractor, nominated sub-Contractors and nominated suppliers.</p>	
D	<p>EXISTING SERVICES</p> <p>Prior to the commencement of any work, the Contractor is to ascertain from the relevant authority the exact position, depth and level of all existing services in the area and he/she shall make whatever provisions may be required by the authorities concerned for the support, maintenance and protection of such services.</p>	
	Carried to Collection	

Item	DESCRIPTION	Kshs.
A	<p>PERFORMANCE BOND A bond of 5 % of the contract sum will be required. No payment on account for the works executed will be made to the contractor until he has submitted the Performance Bond to the Project Manager duly signed, sealed and stamped from an approved Bank.</p>	
B	<p>TENDER DOCUMENTS Tender documents are as listed in Clause 2.1 of the Instruction to Tenderer's Page 7</p>	
C	<p>DELIVERY OF TENDER Tenders and all documents in connection therewith, as specified above must be delivered in the addressed envelope which should be properly sealed and deposited at the offices as specified in the letter accompanying these documents or as indicated in the advertisement.</p> <p>Tenders will be opened at the time specified in the letter accompanying these Tender Documents or as indicated in the advertisement. Tenders delivered/received later than the above time will not be opened.</p>	
D	<p>VALUE ADDED TAX The Contractor's attention is drawn to the Legal Notice in the Finance Act part 3 Section 21(b) operative from 1st September, 1993 which requires payment of VAT on all contracts. The tenderer is advised that in accordance with Government public notice No. 35 & 36 Dated 11th September 2003 operational from 1st October 2003, withholding VAT will be levied against the contract sum by the Employer and remitted to the Commissioner of VAT through all interim certificates. The contractor should therefore include this tax in the Grand Summary page as indicated herein.</p>	
	Carried to Collection	

Item	DESCRIPTION	Kshs.
<p><u>PARTICULARS OF INSERTIONS TO BE MADE IN APPENDIX TO CONTRACT AGREEMENT</u></p>		
<p>The following are the insertions to be made in the appendix to the Contract Agreement</p>		
	Period of Final Measurement	3 Months from Practical Completion
	Defects Liability Period	6 Months from Practical Completion
	Date for Possession	To be agreed with the Project Manager
	Date for Completion	52 weeks from date of Possession
	Liquidated and Ascertained Damages	at a rate of Kshs 300,000 Per week or part thereof
	Period of Interim Certificates	Monthly
	Period of Honouring Certificates	30 Days
	Percentage of Certified Value Retained	10%
	Limit of Retention Fund	5%
<p>Carried to Collection</p>		

Item	DESCRIPTION	Kshs.
	<p><u>COLLECTION</u></p> <p>Brought forward from page PP/1</p> <p>Brought forward from page PP/2</p> <p>Brought forward from page PP/3</p> <p>Brought forward from page PP/4</p> <p>Brought forward from page PP/5</p> <p>Brought forward from page PP/6</p>	
	<p>PARTICULAR PRELIMINARIES CARRIED TO GRAND SUMMARY</p>	

TEN	DESCRIPTION	KSHS
	<p style="text-align: center;">GENERAL PRELIMINARIES</p> <p>A. PRICING OF ITEMS OF PRELIMINARIES AND PREAMBLES</p> <p>Prices will be inserted against items of Preliminaries in the Contractor's priced Bills of Quantities and Specification.</p> <p>The Contractor shall be deemed to have included in his prices or rates for the various items in the Bills of Quantities or Specification for all costs involved in complying with all the requirements for the proper execution of the whole of the works in the Contract.</p> <p>B. ABBREVIATIONS</p> <p>Throughout these Bills, units of measurement and terms are abbreviated and shall be interpreted as follows:-</p> <p><i>C.M.</i> Shall mean cubic metre</p> <p><i>S.M.</i> Shall mean square metre</p> <p><i>L.M.</i> Shall mean linear metre</p> <p><i>MM</i> Shall mean Millimetre</p> <p><i>Kg.</i> Shall mean Kilogramme</p> <p><i>No.</i> Shall mean Number</p> <p><i>Prs.</i> Shall mean Pairs</p> <p><i>B.S.</i> Shall mean the British Standard Specification Published by the British Standards Institution, 2 Park Street, London W.I., England.</p> <p><i>Ditto</i> Shall mean the whole of the preceding description except as qualified in the description in which it occurs.</p> <p><i>m.s.</i> Shall mean measured separately.</p> <p><i>a.b.d</i> Shall mean as before described.</p>	
	<i>Carried to collection</i>	

TEN	DESCRIPTION	KSHS
A.	<p>EXCEPTION TO THE STANDARD METHOD OF MEASUREMENT</p> <p><i>Attendance</i> ; Clause B19(a) of the Standard Method of Measurement is deleted and the following clause is substituted:-</p> <p>Attendance on nominated Sub-Contractors shall be given as an item in each case shall be deemed to include: allowing use of standing scaffolding, mess rooms, sanitary accommodation and welfare facilities; provision of special scaffolding where necessary;providing space for office accommodation and for storage of plant and materials;providing light and water for their work: clearing away rubbish; unloading checking and hoisting: providing electric power and removing and replacing duct covers, pipe casings and the like necessary for the execution and testing of Sub- Contractors' work and being responsible for the accuracy of the same.</p> <p><i>Fix Only</i>:-</p> <p>"Fix Only" shall mean take delivery at nearest railway station (Unless otherwise stated), pay all demurrage charges, load and transport to site where necessary, unload, store, unpack, assemble as necessary, distribute to position, hoist and fix only.</p>	
B.	<p>EMPLOYER</p> <p>The "Employer" is Kenya Medical Research Intitute (KEMRI)</p> <p>The term "Employer" and "Government" wherever used in the contract document shall be synonymous</p>	
C.	<p>PROJECT MANAGER</p> <p>The term "P.M." wherever used in these Bills of Quantities shall be deemed to imply the Project Manager as defined in Condition 1 of the Conditions of Contract or such person or persons as may be duly authorised to represent him on behalf of the Government.</p>	
D.	<p>ARCHITECT</p> <p>The term "Architect" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Ministry of Public Works, P.O. Box 30743, NAIROBI.</p>	
E.	<p>QUANTITY SURVEYOR</p> <p>The term "Quantity Surveyor" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Ministry of Public Works, P.O. Box 30743, NAIROBI.</p>	

Carried to collection

TEN	DESCRIPTION	KSHS
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TEN	DESCRIPTION	KSHS
A.	<p>ELECTRICAL ENGINEER</p> <p>The term "Electrical Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Ministry of Public Works, P.O. Box 30743, NAIROBI.</p>	
B.	<p>MECHANICAL ENGINEER</p> <p>The term "Mechanical Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Ministry of Public Works, P.O. Box 30743, NAIROBI.</p>	
C	<p>STRUCTURAL ENGINEER</p> <p>The term "Structural Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is Ministry of Public Works, P.O. Box 30743, NAIROBI.</p>	
D	<p>FORM OF CONTRACT</p> <p>The Form of Contract shall be as stipulated in the Republic of Kenya's Standard Tender Document for Procurement of Building Works(2006 Edition) included herein The Conditions of Contract are also included herein Conditions of Contract These are numbered from 1 to 37 as set out in pages 20 to 48 of these tender documents.Particulars of insertions to be made in the Appendix to the Contract Agreement will be found in the Particular Preliminaries part of these Bills of Quantities</p>	
E.	<p>BOND.</p> <p>The Contractor shall find and submit on the Form of Tender an approved bank/Insurance Company and who will be willing to be bound the Government in and amount equal to five per cent (5%) of the Contract amount for the due performances of the Contract up to the date of completion as certified by the PROJECT MANAGER and who will when and if called upon, sign a Bond to that effect on the relevant standard form included herein. (without the addition of any limitations) on the same day as the Contract Agreement is signed, by the Government, the Contractor shall furnish within seven days another Surety to the approval of the Government.</p>	
<i>Carried to collection</i>		

TEN	DESCRIPTION	KSHS
A.	<p>PLANT, TOOLS AND VEHICLES</p> <p>Allow for providing all scaffolding, plant, tools and vehicles required for the work except in so far as may be stated otherwise herein and except for such items specifically and only required for the use of nominated Sub-Contractors as described herein. No timber used for scaffolding, formwork or temporary works of any kind shall be used afterwards in the permanent work.</p>	
B.	<p>TRANSPORT.</p> <p>Allow for transport of workmen, materials, etc., to and from the site at such hours and by such routes as may be permitted by the competent authorities.</p>	
C.	<p>MATERIALS AND WORKMANSHIP.</p> <p>All materials and workmanship used in the execution of the work shall be of the best quality and description unless otherwise stated. The Contractor shall order all materials to be obtained from overseas immediately after the Contract is signed and shall also order materials to be obtained from local sources as early as necessary to ensure that they are onsite when required for use in the works. The Bills of Quantities shall not be used for the purpose of ordering materials.</p>	
D.	<p>SIGN FOR MATERIALS SUPPLIED.</p> <p>The Contractor will be required to sign a receipt for all articles and materials supplied by the PROJECT MANAGER at the time of taking delivery thereof, as having received them in good order and condition, and will thereafter be responsible for any loss or damage and for replacements of any such loss or damage with articles and/or materials which will be supplied by the PROJECT MANAGER at the current market prices including Customs Duty and V.A.T., all at the Contractor's own cost and expense, to the satisfaction of the PROJECT MANAGER</p>	
E.	<p>STORAGE OF MATERIALS</p> <p>The Contractor shall provide at his own risk and cost where directed on the site weather proof lock-up sheds and make good damaged or disturbed surfaces upon completion to the satisfaction of the PROJECT MANAGER Nominated Sub-Contractors are to be made liable for the cost of any storage accommodation provided especially for their use.</p>	
<i>Carried to collection</i>		

TEN	DESCRIPTION	KSHS
A.	<p>SAMPLES</p> <p>The Contractor shall furnish at his own cost any samples of materials or workmanship including concrete test cubes required for the works that may be called for by the PROJECT MANAGER for his approval until such samples are approved by the PROJECT MANAGER and the PROJECT MANAGER, may reject any materials or workmanship not in his opinion to be up to approved samples. The PROJECT MANAGER shall arrange for the testing of such materials as he may at his discretion deem desirable, but the testing shall be made at the expense of the Contractor and not at the expense of the PROJECT MANAGER. The Contractor shall pay for the testing in accordance with the current scale of testing charges laid down by the Ministry of Public Works.</p> <p>The procedure for submitting samples of materials for testing and the method of marking for identification shall be as laid down by the PROJECT MANAGER. The Contractor shall allow in his tender for such samples and tests except those in connection with nominated sub-contractors' work.</p>	
B.	<p>GOVERNMENT ACTS REGARDING WORKPEOPLE ETC.</p> <p>Allow for complying with all Government Acts, Orders and Regulations in connection with the employment of Labour and other matters related to the execution of the works. In particular the Contractor's attention is drawn to the provisions of the Factory Act 1950 and his tender must include for all costs arising or resulting from compliance with any Act, Order or Regulation relating to Insurances, pensions and holidays for workpeople or so the safety, health and welfare of the workpeople. The Contractor must make himself fully acquainted with current Acts and Regulations, including Police Regulations regarding the movement, housing, security and control of labour, labour camps, passes for transport, etc. It is most important that the Contractor, before tendering, shall obtain from the relevant Authority the fullest information regarding all such regulations and/or restrictions which may affect the information regarding all such regulations and/or restrictions which may affect the organisation of the works, supply and control of labour, etc., and allow accordingly in his tender. No claim in respect of want of knowledge in this connection will be</p>	
C.	<p>SECURITY OF WORKS ETC.</p> <p>The Contractor shall be entirely responsible for the security of all the works stores, materials, plant, personnel, etc., both his own and sub-contractors' and must provide all necessary watching, lighting and other precautions as necessary to ensure security against theft, loss or damage and the protection of</p>	
<i>Carried to collection</i>		

TEN	DESCRIPTION	KSHS
A.	<p>PUBLIC AND PRIVATE ROADS.</p> <p>Maintain as required throughout the execution of the works and make good any damage to public or private roads arising from or consequent upon the execution of the works to the satisfaction of the local and other competent authority and the PROJECT MANAGER</p>	
B.	<p>EXISTING PROPERTY.</p> <p>The Contractor shall take every precaution to avoid damage to all existing property including roads, cables, drains and other services and he will be held responsible for and shall make good all such damage arising from the execution of this contract at his own expense to the satisfaction of the PROJECT MANAGER</p>	
C.	<p>VISIT SITE AND EXAMINE DRAWINGS.</p> <p>The Contractor is recommended to examine the drawings and visit the site the location of which is described in the Particular Preliminaries hereof. He shall be deemed to have acquainted himself therewith as to its nature, position, means of access or any other matter which, may affect his tender. No claim arising from his failure to comply with this recommendation will be considered.</p>	
D.	<p>ACCESS TO SITE AND TEMPORARY ROADS.</p> <p>Means of access to the Site shall be agreed with the PROJECT MANAGER prior to commencement of the work and Contractor must allow for building any necessary temporary access roads for the transport of the materials, plant and workmen as may be required for the complete execution of the works including the provision of temporary culverts, crossings, bridges, or any other means of gaining access to the Site. Upon completion of the works, the Contractor shall remove such temporary access roads; temporary culverts, bridges, etc., and make good and reinstate all works and surfaces disturbed to the satisfaction of the PROJECT MANAGER</p>	
E.	<p>AREA TO BE OCCUPIED BY THE CONTRACTOR</p> <p>The area of the site which may be occupied by the Contractor for use of storage and for the purpose of erecting workshops, etc., shall be defined on site by the PROJECT MANAGER</p>	
<i>Carried to collection</i>		

TEN	DESCRIPTION	KSHS
A.	<p>OFFICE ETC. FOR THE PROJECT MANAGER</p> <p>afterwards dismantle the site office of the type noted in the Particular Preliminaries, complete with Furniture. He shall also provide a strong metal trunk complete with strong hasp and staple fastening and two keys. He shall provide, erect and maintain a lock-up type water or bucket closet for the sole use of the PROJECT MANAGER including making temporary connections to the drain where applicable to the satisfaction of Government and Medical Officer of Health and shall provide services of cleaner and pay all conservancy charges and keep both office and closet in a clean and sanitary condition from commencement to the completion of the works and dismantle and make good disturbed surfaces. The office and closet shall be completed before the Contractor is permitted to commence the works. The Contractor shall make available on the Site as and when required by the "PROJECT MANAGER" a modern and accurate level together with levelling staff, ranging rods and 50 metre metallic or linen tape.</p>	
B.	<p>WATER AND ELECTRICITY SUPPLY FOR THE WORKS</p> <p>The Contractor shall provide at his own risk and cost all necessary water, electric light and power required for use in the works. The Contractor must make his own arrangements for connection to the nearest suitable water main and for metering the water used. He must also provide temporary tanks and meters as required at his own cost and clear away when no longer required and make good on completion to the entire satisfaction of the PROJECT MANAGER . The Contractor shall pay all charges in connection herewith. No guarantee is given or implied that sufficient water will be available from mains and the Contractor must make his own arrangements for augmenting this supply at his own cost. Nominated Sub-contractors are to be made liable for the cost of any water or electric current used and for any installation provided especially for their own use.</p>	
C.	<p>SANITATION OF THE WORKS</p> <p>The Sanitation of the works shall be arranged and maintained by the Contractor to the satisfaction of the Government and/or Local Authorities, Labour Department and the PROJECT MANAGER</p>	
D.	<p>SUPERVISION AND WORKING HOURS</p> <p>The works shall be executed under the direction and to the entire satisfaction in all respects of the PROJECT MANAGER who shall at all times during normal working hours have access to the works and to the yards and workshops of the Contractor and sub-Contractors or other places where work is being prepared for the contract.</p>	
E.	<p>PROVISIONAL SUMS.</p> <p>The term "Provisional Sum" wherever used in these Bills of Quantities shall have the meaning stated in Section A item A7(i) of the Standard Method of Measurement. Such sums are net and no addition shall be made to them for profit.</p>	
<i>Carried to collection</i>		

TEN	DESCRIPTION	KSHS
A.	<p>PRIME COST (OR P.C.) SUMS.</p> <p>The term "Prime Cost Sum" or "P.C. Sum" wherever used in these Bills of Quantities shall have the meaning stated in Section A item A7 (ii) of the Standard Method of Measurement . Persons or firms nominated by the PROJECT MANAGER to execute work or to provide and fix materials or goods are described herein as Nominated Sub-Contractors. Persons or firms so nominated to supply goods or materials are described herein as Nominated Suppliers.</p>	
B.	<p>PROGRESS CHART.</p> <p>The Contractor shall provide within two weeks of Possession of Site and in agreement with the PROJECT MANAGER a Progress Chart for the whole of the works including the works of Nominated Sub-Contractors ; one copy to be handed to the PROJECT MANAGER and a further copy to be retained on Site. Progress to be recorded and chart to be amended as necessary as the work proceeds.</p>	
C.	<p>ADJUSTMENT OF P.C. SUMS.</p> <p>In the final account all P.C. Sums shall be deducted and the amount properly expended upon the PROJECT MANAGER'S order in respect of each of them added to the Contract sum. The Contractor shall produce to the PROJECT MANAGER such quotations, invoices or bills, properly receipted, as may be necessary to show the actual details of the sums paid by the Contractor. Items of profit upon P.C. Sums shall be adjusted in the final account pro-rata to the amount paid. Items of "attendance" (as previously described) following P.C. Sums shall be adjusted pro-rata to the physical extent of the work executed (not pro-rata to the amount paid) and this shall apply even though the Contractor's priced Bill shows a percentage in the rate column in respect of them. Should the Contractor be permitted to tender and his tender be accepted of any work for which a P.C. Sum is included in these Bill of Quantities profit and attendance will be allowed at the same rate as it would be if the work were executed by a Nominated Sub-Contractor.</p>	
<i>Carried to collection</i>		

TEN	DESCRIPTION	KSHS
A.	<p>ADJUSTMENT OF PROVISIONAL SUMS.</p> <p>In the final account all Provisional Sums shall be deducted and the value of the work properly executed in respect of them upon the PROJECT MANAGER's order added to the Contract Sum. Such work shall be valued , but should any part of the work be executed by a Nominated Sub-Contractor, the value of such work or articles for the work to be supplied by a Nominated Supplier, the value of such work or articles shall be treated as a P.C. Sum and profit and attendance comparable to that contained in the priced Bills of Quantities for similar items added.</p>	
B.	<p>NOMINATED SUB-CONTRACTORS</p> <p>When any work is ordered by the PROJECT MANAGER to be executed by nominated sub-contractors, the Contractor shall enter into sub-contracts and shall thereafter be responsible for such sub-contractors in every respect. Unless otherwise described the Contractor is to provide for such Sub-Contractors any or all of the facilities described in these Preliminaries. The Contractor should price for these with the nominated Sub-contract Contractor's work concerned in the P.C. Sums under the description "add for Attendance".</p>	
C.	<p>DIRECT CONTRACTS</p> <p>Notwithstanding the foregoing conditions, the Government reserves the right to place a "Direct Contract" for any goods or services required in the works which are covered by a P.C. Sum in the Bills of Quantities and to pay for the same direct. In any such instances, profit relative to the P.C. Sum the priced Bills of Quantities will be adjusted as described for P.C. Sums and allowed.</p>	
D.	<p>ATTENDANCE UPON OTHER TRADESMEN, ETC.</p> <p>The Contractor shall allow for the attendance of trade upon trade and shall afford any tradesmen or other persons employed for the execution of any work not included in this Contract every facility for carrying out their work and also for use of his ordinary scaffolding. The Contractor, however, shall not be required to erect any special scaffolding for them. The Contractor shall perform such cutting away for and making good after the work of such tradesmen or persons as may be ordered by the PROJECT MANAGER and the work will be measured and paid for to the extent executed at rates provided in these Bills.</p>	
<i>Carried to collection</i>		

TEN	DESCRIPTION	KSHS
	<p>A. INSURANCE</p> <p>The Contractor shall insure as required in Conditions No. 30 of the Conditions of Contract. No payment on account of the work executed will be made to the Contractor until he has satisfied the PROJECT MANAGER either by production of an Insurance Policy or and Insurance Certificate that the provision of the foregoing Insurance Clauses have been complied with in all respects. Thereafter the PROJECT MANAGER shall from time to time ascertain that premiums are duly paid up by the Contractor who shall if called upon to do so, produce the receipted premium renewals for the PROJECT</p> <p>B. PROVISIONAL WORK</p> <p>All work described as "Provisional" in these Bills of Quantities is subject to remeasurement in order to ascertain the actual quantity executed for which payment will be made. All "Provisional" and other work liable to adjustment under this Contract shall left uncovered for a reasonable time to allow all measurements needed for such adjustment to be taken by the PROJECT MANAGER Immediately the work is ready for measuring, the Contractor shall give notice to the PROJECT MANAGER. If the Contractor makes default in these respects he shall if the PROJECT MANAGER so directs uncover the work to enable all measurements to be taken and afterwards reinstate at his own expense.</p> <p>C. ALTERATIONS TO BILLS, PRICING, ETC.</p> <p>Any unauthorised alteration or qualification made to the text of the Bills of Quantities may cause the Tender to be disqualified and will in any case be ignored. The Contractor shall be deemed to have made allowance in his prices generally to cover any items against which no price has been inserted in the priced Bills of Quantities. All items of measured work shall be priced in detail and the Tenders containing Lump Sums to cover trades or groups of work must be broken down to show the price of each item before they will be accepted.</p> <p>D. BLASTING OPERATIONS</p> <p>Blasting will only be allowed with the express permission of the PROJECT MANAGER in writing. All blasting operations shall be carried out at the Contractor's sole risk and cost in accordance with any Government regulations in force for the time being, and any special regulations laid down by the PROJECT MANAGER governing the use and storage of explosives.</p>	
	<i>Carried to collection</i>	

TEN	DESCRIPTION	KSHS
A.	<p>MATERIALS ARISING FROM EXCAVATIONS</p> <p>Materials of any kind obtained from the excavations shall be the property of the Government. Unless the PROJECT MANAGER directs otherwise such materials shall be dealt with as provided in the Contract. Such materials shall only be used in the works, in substitution of materials which the Contractor would otherwise have had to supply with the written permission of the PROJECT MANAGER Should such permission be given, the Contractor shall make due allowance for the value of the materials so used at a price to be agreed.</p>	
B.	<p>PROTECTION OF THE WORKS.</p> <p>Provide protection of the whole of the works contained in the Bills of Quantities,including casing , casing up, covering or such other means as may be necessary to avoid damage to the satisfaction of the PROJECT MANAGER and remove such protection when no longer required and make good any damage which may nevertheless have been done at completion free of cost to the Government.</p>	
C.	<p>REMOVAL OF RUBBISH ETC.</p> <p>Removal of rubbish and debris from the Buildings and site as it accumulates and at the completion of the works and remove all plant, scaffolding and unused materials at completion.</p>	
D.	<p>WORKS TO BE DELIVERED UP CLEAN</p> <p>Clean and flush all gutters, rainwater and waste pipes, manholes and drains, wash (except where such treatment might cause damage) and clean all floors, sanitary fittings,glass inside and outside and any other parts of the works and remove all marks,blemishes, stains and defects from joinery, fittings and decorated surfaces generally,polish door furniture and bright parts of metalwork and leave the whole of the buildings watertight, clean, perfect and fit for occupation to the approval of the PROJECT MANAGER</p>	
<i>Carried to collection</i>		

TEN	DESCRIPTION	KSHS
A.	<p>GENERAL SPECIFICATION.</p> <p>For the full description of materials and workmanship, method of execution of the work and notes for pricing, the Contractor is referred to the Ministry of Roads and Public Works and Housing General Specification dated 1976 or any subsequent revision thereof which is issued as a separate document, and which shall be allowed in all respects unless it conflicts with the General Preliminaries, Trade Preambles or other items in these Bills of Quantities.</p>	
B.	<p>TRAINING LEVY</p> <p>The Contractor's attention is drawn to legal notice No. 237 of October, 1971, which requires payment by the Contractor of a Training Levy at the rate of 1/4 % of the Contract sum on all contracts of more than Kshs. 50,000.00 in value.</p>	
C.	<p>MATERIALS ON SITE</p> <p>All materials for incorporation in the works must be stored on or adjacent to the site before payment is effected unless specifically exempted by the PROJECT MANAGER. This includes the materials of the Main Contractor, Nominated Sub-Contractors and Nominated Suppliers.</p>	
D.	<p>HOARDING</p> <p>The Contractor shall enclose the site or part of the works under construction with a hoarding 2400 mm high consisting of iron sheets on 100 x 50 mm timber posts firmly secured at 1800 mm centres with two 75 x 50 mm timber rails for a total length of approximately three hundred meters. The Contractor is in addition required to take all precautions necessary for the safe custody of the works, materials, plant, public and Employer's property on the site.</p>	
E.	<p>CONTRACTOR'S SUPERINTENDENCE/SITE AGENT</p> <p>The Contractor shall constantly keep on the works a literate English speaking Agent or Representative, competent and experienced in the kind of work involved who shall give his whole experience in the kind of work involved and shall give his whole time to the superintendence of the works. Such Agent or Representative shall receive on behalf of the Contractor all directions and instructions from the Project Manager and such directions shall be deemed to have been given to the Contractor in accordance with the Conditions of Contract.</p>	
<i>Carried to Collection</i>		

TEN	DESCRIPTION COLLECTION	KSHS
	Brought Forward From Page GP/1	
	Brought Forward From Page GP/2	
	Brought Forward From Page GP/3	
	Brought Forward From Page GP/4	
	Brought Forward From Page GP/5	
	Brought Forward From Page GP/6	
	Brought Forward From Page GP/7	
	Brought Forward From Page GP/8	
	Brought Forward From Page GP/9	
	Brought Forward From Page GP/10	
	Brought Forward From Page GP/11	
	Brought Forward From Page GP/12	
TOTAL FOR GENERAL PRELIMINARIES CARRIED TO GRAND SUMMARY		

BILL OF QUANTITIES FOR THE COMPLETION OF MODERN LAUGHTERHOUSE IN MANDERA EAST

ITEM	DESCRIPTION	QTY	UNIT	RATE Kshs	AMOUNT Kshs
	BILL NO.2 MANURE SHED				
	SUB-STRUCTURE				
	EXCAVATIONS <i>Excavations including maintaining and supporting sides and keeping free from water, mud and fallen material</i>				
A	Excavate in site soils to reduce levels in n.e 1.50m	CM	55		
B	Excavate foundation trench not exceeding 1.50 metres deep starting from reduced level and stockpile on site as directed	CM	55		
C	Ditto: Column bases	CM	37		
D	Extra over excavations for excavating in rock	CM	7		
	Planking and strutting				
E	Allow for maintaining and supporting sides of excavations and for keeping the same free from fallen materials	ITEM	SUM		
	Keeping excavations free of water				
F	Allow for keeping excavations free of water and mud by pumping, bailing or other approved means	ITEM	SUM		
	FILLINGS / DISPOSAL				
G	Return, fill and ram selected imported murrum material around foundations.	CM	66		
H	Load, wheel and deposit surplus excavated material where directed by architect on site not exceeding 50meters away	CM	81		
	Hardcore filling				
I	300mm thick Under floors compacted in 150mm layers	CM	56		
J	50mm Thick quarry dust blinding to surfaces of hardcore	SM	185		
TOTAL CARRIED FORWARD TO COLLECTION PAGE					

BILL OF QUANTITIES FOR THE COMPLETION OF MODERN LAUGHTERHOUSE IN MANDERA EAST

ITEM	DESCRIPTION	QTY	UNIT	RATE Kshs	AMOUNT Kshs
	Anti- termite treatment				
A	Chemical anti termite treatment executed complete by an approved specialist under a ten (10) year guarantee to surfaces of blinded hardcore	SM	185		
	Damp proof membrane				
B	500 gauge polythene or other equal and approved damp proof membrane laid under surface bed with 300mm side and end laps (measured nett- allow for laps)	SM	136		
	CONCRETE WORK				
	Concrete 1:3:6, as described, in:-				
C	50mm thick blinding	SM	49		
	Reinforced concrete 1:2:4, as described, in:-				
D	Strip foundations and Ground beams	CM	7		
E	Column bases	CM	6		
F	Sub - columns	CM	2		
G	150mm thick Surface bed	SM	136		
	Reinforcement				
	Fabric reinforcement to B.S. 4483 and setting in concrete with 300mm side and end laps (measured net tallow for laps)				
H	Fabric mesh ref:A142 in ground floor slab	SM	136		
	Square twisted mild steel steel reinforcement in structural concrete work				
J	8mm diameter bars	KG	197		
K	10mm diameter bars	KG	260		
L	12mm diameter bars	KG	655		
TOTAL CARRIED FORWARD TO COLLECTION PAGE					

BILL OF QUANTITIES FOR THE COMPLETION OF MODERN LAUGHTERHOUSE IN MANDERA EAST

ITEM	DESCRIPTION	QTY	UNIT	RATE Kshs	AMOUNT Kshs
A	16mm diameter bars	KG	106		
B	<i>Sawn Formwork to:-</i> Strip footings and Ground beams	SM	23		
C	Column bases	SM	19		
D	Sub - columns	SM	19		
E	Edges of ground floor slab over 75mm but not exceeding 150mm high	LM	41		
	SUB-WALL <i>Walling in natural coursed stone obtained from an approved quarry, jointed and bedded in gauged mortar (1:3)</i>				
F	200mm Thick wall in foundations DPC <i>Three ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar (measured net allow for laps)</i>	SM	75		
G	200mm Wide horizontal layer PLINTH <i>12mm Cement and sand (1:3)render on stone or concrete work</i>	LM	99		
H	Concrete or masonry walling plinths	SM	14		
J	<i>Prepare and apply two coats black bituminous paint to:-</i> Rendered concrete or stone surfaces	SM	14		
	PAVED PLINTHS				
K	Supply and lay pre-cast concrete slabs size 600 x 600mm laid on and including 50mm thick consolidated sand bed and 100mm thick murrum sub-base - to fall and including all necessary excavations and anti-termite treatment to sub-base.	SM	49		
TOTAL CARRIED FORWARD TO BELOW					
COLLECTION PAGE					
SUB-STRUCTURE					
A	Total B/F from Page MS/1				
B	Total B/F from Page MS/2				
C	Total B/F from Above				
TOTAL FOR SUB-STRUCTURE CARRIED FORWARD TO SUMMARY PAGE					

BILL OF QUANTITIES FOR THE COMPLETION OF MODERN LAUGHTERHOUSE IN MANDERA EAST

ITEM	DESCRIPTION	QTY	UNIT	RATE Kshs	AMOUNT Kshs
	FRAME				
	CONCRETE WORK				
	<i>Reinforced concrete 1:2:4, as described, in:-</i>				
A	Columns	CM	6		
B	Beams	CM	7		
	<i>Mild steel round reinforcement bars to BS 4449 in structural concrete work</i>				
C	8mm diameter bars	KG	268		
	<i>Square twisted mild steel reinforcement to B.S. 4461 in structural concrete work</i>				
D	8mm diameter bars	KG	332		
E	12mm Diameter bars	KG	414		
F	Sawn Formwork to:- Sides of Columns	SM	64		
G	Sides and soffits of beams	SM	79		
H	Edges of Suspended slabs; 75 - 150mm high	LM	41		
TOTAL FOR FRAME CARRIED FORWARD TO SUMMARY PAGE					

BILL OF QUANTITIES FOR THE COMPLETION OF MODERN LAUGHTERHOUSE IN MANDERA EAST

ITEM	DESCRIPTION	QTY	UNIT	RATE Kshs	AMOUNT Kshs
A	<p>WALLING EXTERNAL WALLING Walling in natural coursed stone obtained from an approved quarry, jointed and bedded in gauged mortar (1:3) and including 25g hoop iron reinforcement strip in every alterate course</p> <p>200mm thick walling</p>	SM	184		
TOTAL FOR WALLING CARRIED FORWARD TO SUMMARY PAGE					

BILL OF QUANTITIES FOR THE COMPLETION OF MODERN LAUGHTERHOUSE IN MANDERA EAST

ITEM	DESCRIPTION	QTY	UNIT	RATE Kshs	AMOUNT Kshs
	<p>ROOFING</p> <p>ROOF CONSTRUCTION</p> <p><i>All Structural timbers, sawn cypress celcured with pressure impregnated treatment or equal to the Structural Engineer's satisfaction</i></p> <p>Timber roof construction (Provisional)</p> <p><i>The following in assorted timber trusses, including hoisting and fixing in position approx 4000mm above ground floor including all necessary jointing</i></p>				
A	150 x 50mm Rafters	LM	174		
B	Ditto, Tie beams	LM	122		
C	Ditto; King posts	LM	35		
D	100x50mm Struts/Ties	LM	157		
	<p><i>The following in assorted timber common rafters including hoisting and fixing in position approx 4000mm above ground floor including all necessary jointing</i></p>				
E	150 x 50mm Rafters	LM	72		
F	Ditto, Tie beams	LM	50		
G	Ditto; King posts	LM	14		
	<i>Other structural timbers etc.</i>				
H	100x50mm Purlins	LM	216		
I	250x32mm Ridge board	LM	18		
J	100x50 mm Wall plate secured with and including 12mm diameter mild steel anchor bolt 300mm long at 900mm centres cast in concrete ring beam.	LM	74		
TOTAL CARRIED FORWARD TO COLLECTION PAGE					

BILL OF QUANTITIES FOR THE COMPLETION OF MODERN LAUGHTERHOUSE IN MANDERA EAST

ITEM	DESCRIPTION	QTY	UNIT	RATE Kshs	AMOUNT Kshs
	Roof Covering:- <i>Pre-painted IT4 profile sheet fixed with and including 100mm long galvanised hook bolts and rubber washers on timber purlins (ms) with one and a half corrugation side lap and 150mm end laps</i>				
A	26 Gauge roof covering not exceeding 45 degrees from horizontal	SM	215		
B	26 Gauge purpose made Half round Ridge cap to match	LM	18		
C	<i>Wrot Prime Grade cypress timber selected and kept clean</i> 250x25mm Fascia or barge board	LM	42		
D	75 x 25 mm thick wrot prime cypress in eaves slutting nailed to rafters (m.s)	SM	40		
E	Extra Over ditto for 150 x 150 framed vents with two layers approved Mosquito wire gauze netting	NO	35		
	RAIN WATER DISPOSAL <i>26 Gauge galvanised plain sheet metal bent, welded joints with and including steel brackets and hangers all in accordance with the detailed drawings</i>				
F	450mm girth gutter fixed to fascia with and including steel brackets and hangers all in accordance with the detailed drawings	LM	42		
G	Ditto 100x100mm down pipe secured to wall with and including steel brackets (4no. pipes)	LM	8		
H	Extra over ditto for swan neck	NO	2		
I	Ditto for shoe	NO	2		
J	Extra for gutter connection to down pipe	NO	2		
	PAINTING AND DECORATING <i>Knot, Prime, Stop and Prepare and apply three coats of approved polyurethane clear varnish on:-</i>				
	<i>Knot, Prime, Stop and Prepare and apply three coats gloss oil paint on:-</i>				
K	General timber surfaces	SM	40		
L	Timber surfaces over 200mm but not exceeding 300mm girth	LM	42		
	<i>Touch up primer .prepare and apply two undercoats and one finishing coat gloss paint on metal work</i>				
M	General surfaces of metal gutters and rain water down pipes	SM	19		
TOTAL CARRIED FORWARD TO BELOW					
COLLECTION PAGE					
ROOFING					
A	Total B/F from Page MS/6				
B	Total B/F from Above				
TOTAL FOR ROOFING CARRIED FORWARD TO SUMMARY PAGE					

BILL OF QUANTITIES FOR THE COMPLETION OF MODERN LAUGHTERHOUSE IN MANDERA EAST

ITEM	DESCRIPTION	QTY	UNIT	RATE Kshs	AMOUNT Kshs
	FINISHES				
	FLOOR FINISHES				
A	Insitu cement and sand (1:3) screeded beds, with steel trowelled finish , on concrete 40mm thick trowelled smooth to required falls and crossfalls	SM	136		
B	20mm thick x 100mm high moulded skirting coved at junction to floors, with rounded top	LM	41		
	WALL FINISHES				
	Internal				
C	13mm thick Cement Sand (1:3) plaster to:- Ditto but trowelled smooth	SM	197		
	External				
D	Extra Over stone walling for neat recessed horizontal key in cement mortar (1:3)	SM	164		
E	13mm thick Cement Sand (1:3) plaster to:- Walls, and rendered surfaces of concrete	SM	97		
	PAINTING AND DECORATING				
F	Prepare and apply one undercoat and two finishing coats plastic emulsion paint on General surfaces; plastered walls; internally	SM	197		
G	General surfaces; rendered concrete frame; externally	SM	97		
TOTAL FOR FINISHES CARRIED FORWARD TO SUMMARY PAGE					

BILL OF QUANTITIES FOR THE COMPLETION OF MODERN LAUGHTERHOUSE IN MANDERA EAST

ITEM	DESCRIPTION	QTY	UNIT	RATE Kshs	AMOUNT Kshs
	SUMMARY PAGE				
	<u>MANURE SHED</u>				
A	SUB-STRUCTURE from Page MS/3				
B	FRAME from Page MS/4				
C	WALLING from Page MS/5				
D	ROOFING from Page MS/7				
E	FINISHES from Page MS/8				
	TOTAL FOR MANURE SHED CARRIED FORWARD TO GRAND SUMMARY PAGE				

BILL OF QUANTITIES FOR THE COMPLETION OF MODERN LAUGHTERHOUSE IN MANDERA EAST

ITEM	DESCRIPTION	QTY	UNIT	RATE Kshs	AMOUNT Kshs

BILL OF QUANTITIES FOR THE COMPLETION OF MODERN SLAUGHTER HOUSE IN MANDERA EAST

ITEM	DESCRIPTION	QTY	UNIT	RATE Kshs	AMOUNT Kshs
	BILL NO.3 LAGOON (ALL PROVISIONAL)				
	THE FOLLOWING IN PRIMARY AND SECONDARY PONDS TYPE `B` DRG NO.(50)5360(All provisional) EARTHWORKS				
A	Excavate pit from ground level not exceeding 1.50m deep.	3558	CM		
B	Ditto trench	13	CM		
C	Ditto exceeding 1.50m but not exceeding 3.00m deep.	1779	CM		
D	Ditto trench	25	CM		
E	Cart away excavated materials from site	5337	CM		
F	Compact slanted ground to the satisfaction of the Project manager	1317	SM		
G	Ditto flat ground	994	SM		
	FILLING				
H	Approved bed of murrum 100mm thick on sloped ground well compacted to the satisfaction of the Project Manager .	1482	SM		
I	Ditto on flat ground	994	SM		
J	Approved bed of sand 100mm thick on sloped ground evenly spread to the satisfaction of the Project Manager	1482	SM		
K	Ditto on flat ground	994	SM		
L	Gauge 1000 polythene paper on bed of sand(MS) on sloped ground	1482	SM		
M	Ditto on flat ground	994	SM		
TOTAL CARRIED FORWARD TO COLLECTION PAGE					

BILL OF QUANTITIES FOR THE COMPLETION OF MODERN SLAUGHTER HOUSE IN MANDERA EAST

ITEM	DESCRIPTION	QTY	UNIT	RATE Kshs	AMOUNT Kshs
	CONCRETE WORKS NOTE:All concrete to be 1:2:4 mix class 20/20.All concrete and mortar must contain sulphate resisting cement				
A	Apron at junction of pond bed and sloped surface	25	CM		
B	Haunching at junction of sloped surface and ground level	13	CM		
C	600mmx600mmx50mm thick precast concrete paving slabs laid on sloped bed of sand(MS) finished smooth and jointed in sulphate resisting mortar	1482	SM		
D	Sawn formwork to side of concrete apron	38	SM		
	POND INLET MANHOLES				
E	Excavate pit and construct manhole type `A` overall size	4	NO		
F	Excavate pit and construct screen chamber overall size1900mmx1000mm as per details in drawing no.(50)5361 and return, fill and ram excavated materials and remainder cart away	1	NO		
G	Ditto disconnection manhole overall size1180mmx1180mm as per	1	NO		
H	Ditto drop manhole size1200mmx1000mm as per details in drawing no. (50)5365.	1	NO		
	PIPE SUPPORTING PILLARS				
I	Construct 1500mm average height pillar pipe supporting pillar size 600mmx600mm as per details in drawing no (50)5364.	3	NO		
TOTAL CARRIED FORWARD TO COLLECTION PAGE					

BILL OF QUANTITIES FOR THE COMPLETION OF MODERN SLAUGHTER HOUSE IN MANDERA EAST

ITEM	DESCRIPTION	QTY	UNIT	RATE Kshs	AMOUNT Kshs
INTERPOND CONNECTION					
A	Excavate pit and construct interpond connection outlet overall size 2100mmx1000mm as per details in drawing no.(50)5366 and return,fill and ram excavated materials and remainder cart away	2	NO		
B	Excavate pit and construct manhole type `B` overall size 1180MMX930mm as per details in drawing no.(50)5301 and return, fill and ram excavated materials and remainder cart away.	1	NO		
C	Excavate pit and construct interpond connection inlet overall size 2300mmx1000mm as per details in drawing no.(50)5367 and return ,fill and ram excavated materials and remainder cart away	1	NO		
D	Excavate pit and construct outlet manhole type `B` overall size 1180MMX930mm as per details in drawing no.(50)5301 but with 150mm sump and return, fill and ram excavated materials and remainder cart away.	1	NO		
E	Excavate pit and construct distribution manhole overall size	3	NO		
WASTE WATER DRAINAGE					
F	Excavate trench average 900mm deep for 160mm diameter pipe.return, fill and ram excavated materials and remainder cart away from site.	50	LM		
G	Ditto 1200mm deep.	50	LM		
H	Ditto 1500mm deep.	50	LM		
I	Provide, lay and joint160mm diameter uPVC pipe class 41 on compacted murrum bedding and haunching (ms)as per detailed drawing no.(50)5310	150	LM		
J	Provide,place and compact 150mm murrum bed and haunch type E as per drawing no.(50)5310	150	LM		
K	Provide 150mm cast iron pipe	16	LM		
TOTAL CARRIED FORWARD TO COLLECTION PAGE					

BILL OF QUANTITIES FOR THE COMPLETION OF MODERN SLAUGHTER HOUSE IN MANDERA EAST

ITEM	DESCRIPTION	QTY	UNIT	RATE Kshs	AMOUNT Kshs
	EFFLUENT SOAKAGE				
	French drain as per drawing no.(50)5344				
A	Excavate trench average 600mm deep and cart away excavated materials from site.	70	LM		
B	Ditto 900mm deep.	70	LM		
C	Ditto 1200mm deep.	70	LM		
D	Provide approved 150mm diameter agricultural pipe and lay in	210	LM		
TOTAL CARRIED FORWARD TO COLLECTION PAGE					

BILL OF QUANTITIES FOR THE COMPLETION OF MODERN SLAUGHTER HOUSE IN MANDERA EAST

ITEM	DESCRIPTION	QTY	UNIT	RATE Kshs	AMOUNT Kshs
	COLLECTION PAGE				
	<u>LAGOON</u>				
A	Total B/F from Page LGN/1				
B	Total B/F from Page LGN/2				
C	Total B/F from Page LGN/3				
D	Total B/F from Page LGN/4				
	TOTAL FOR LAGOON CARRIED FORWARD TO GRAND SUMMARY PAGE				

BILL OF QUANTITIES FOR THE COMPLETION OF MODERN SLAUGHTER HOUSE IN MANDERA EAST

ITEM	DESCRIPTION	QTY	UNIT	RATE Kshs	AMOUNT Kshs
	<p>BILL NO.5 INCENERATOR All work measured under this element is upto and including the floor slabs but excluding the finishes thereon: -</p> <p>SITE CLEARANCE:</p> <p>A Clear the site of all bushes, shrubs, undergrowth and small trees grab uproot and cart away burn all arising.</p> <p>B Excavate over site average 250mm deep to remove vegetable soil load up wheel and deposit on site not exceeding 100m.</p> <p>C Excavate over-site to reduce levels</p> <p>D Excavate for strip foundation trenches not exceeding 1.5m deep commencing from reduced level.</p> <p>E Extra over excavation for excavating rock irrespective of class.</p> <p>F Allow for keeping excavations free from mud and all water including spring and running water by pumping pailing or other approved means.</p> <p>G Allow for planking and strutting to sides of excavations.</p> <p>DISPOSAL</p> <p>H Load surplus excavated material wheel and deposit onsite not exceeding 100m away.</p> <p>FILLING:</p> <p>I Return in and ram selected excavated material around</p> <p>HARDCORE AS DESCRIBED:</p> <p>J 300mm approved hardcore filling including leveling consolidating and or hand packing in two layers.</p>				
		12	SM		
		12	SM		
		2	CM		
		11	CM		
		2	CM		
		ITEM	SUM		
		ITEM	SUM		
		5	CM		
		7	CM		
		2	CM		
TOTAL CARRIED FORWARD TO COLLECTION PAGE					

BILL OF QUANTITIES FOR THE COMPLETION OF MODERN SLAUGHTER HOUSE IN MANDERA EAST

	BLINDING:				
A	50mm thick layer murrum or other equal and approved blinding to the surface of hardcore: roled smooth to receive polythene sheetings (m.s.)	6	SM		
	INSECTICIDE TREATMENT				
B	'Termidor' or other equal and approved chemical insecticide treatment prepared and applied according to the manufacturer's printed instructions.	6	SM		
	REMOVE OF TERMITES NESTS				
C	Remove termite's nests by approved means and destroy the termites by applying 'termidor' or other equal and approved chemicals as per the manufacturers printed instructions.	ITEM	SUM		
	DAMP PROOF MEMBRANE				
D	500 gauge polythene or other equal and approved plastic sheets damp proof membrane laid over blinding (measured net – allow for laps)	6	SM		
	IN-SITU CONCRETE WORK				
	MASS CONCRETE (1:4:8/38-38mm AGGREGATE)				
E	50mm thick blinding under foundations	4	CM		
	VIBRATED REINFORCED CONCRETE (1:2:4/20-20MM) AGGREGATE AS DESCRIBED IN:-				
F	Strip foundations	1	CM		
G	100mm thick floor slab (1:3:6)	6	SM		
	STEEL REINFORCEMENT				
	SUPPLY AND FIX BAR/ROD REINFORCEMENT INCLUDING BENDING HOOKS TRYING WIRE CUTTING SPACER AND SUPPORTING ALL IN POSITION AS DESCRIBED.				
	HIGH TENSILE SQUARE TWISTED BARS TO B.S. 4461				
H	10mm diameter	35	KG		
	MILD STEEL ROD TO B.S. 4449				
I	8mm diameter	15	KG		
	MESH REINFORCEMENT				
J	Fabric mesh reinforcement to B.S. 4484 ref. A1422 including laps trying wire and spacer blocks complete (measure net allow for lap)	6	SM		
	SAWN FORMWORK AS DESCRIBED TO:				
K	Edges of floor slabs 75 - 150mm high	10	LM		
	FOUNDATION WALLING				
L	200mm thick rough chiseled natural stone walling bedded and joined in cement and sand (1:3) mortar and reinforced with and including 20 Gauge 25mm wide hoop iron in every alternate course.	15	SM		
	PLINTH AREA FINISHES				
M	20mm thick cement and sand (1:3) wood float render to plinth area.	6	SM		
N	Prepare and apply three coats black bitumastic paints to rendered area.	6	SM		
TOTAL CARRIED FORWARD TO COLLECTION PAGE BELOW					
	COLLECTION PAGE				
I	Brought forward page INC/01				
II	Brought forward page Above				
TOTAL FOR SUB-STRUCTURE CARRIED FORWARD TO SUMMARY PAGE					

BILL OF QUANTITIES FOR THE COMPLETION OF MODERN SLAUGHTER HOUSE IN MANDERA EAST

ELEMENT NO. 02				
R.C. FRAME(SUPERSTRUCTURE)				
Vibrated reinforced concrete (1:2:4/20-25 – 20mm aggregates) as described in:-				
A	Ring Beams	1	CM	
Steel reinforcement				
Supply and Fix steel bar/rod reinforcement including bending hooks trying wire cutting spacer blocks and supporting all in position.				
High Tensile square twisted bars to B.S. 4461 as described in:-				
B	10mm diameter	72	KG	
Mild Steel rods to B.S. 4449 as described in:-				
C	8mm diameter	28	KG	
Sawn Form Works as described to:-				
D	Sides and soffits of ring beams	3	SM	
Precast Concrete 1:2:4 in :				
E	Coping stone	1	NO	
TOTAL FOR RC FRAME CARRIED FORWARD TO SUMMARY PAGE				

ELEMENT NO. 03					
WALLING					
<u>FINE CHISEL DRESSED NATURAL STONE WALLING BEDDED AND JOINED IN CEMENT AND SAND (1:3) MORTAR AS DESCRIBED:-</u>					
A	200mm thick reinforcement with and including hoop iron in every alternate.	8	SM		
<u>HORIZONTAL DAMP PROOF COURSE; ONE LAYER OF 3PLY BITUMINOUS FELT OR OTHER EQUAL AND APPROVED (MEASURED NETT-ALLOW FOR LAPS)</u>					
B	150mm wide leveled and bedded in cement and sand (1:3) mortar under walls.	10	LM		
TOTAL FOR WALLING CARRIED FORWARD TO SUMMARY PAGE					

BILL OF QUANTITIES FOR THE COMPLETION OF MODERN SLAUGHTER HOUSE IN MANDERA EAST

ELEMENT NO.4					
STEEL CASEMENT DOORS					
Supply, assemble and fix furnace doors complete with closing mechanism and hinges,pre-painted and rebated as described in :-					
A	40mm thick steel casement double leaf single swinging furnace door ,overall size 1200 x 1500mm high.	1	NO		
B	Ditto but overall size 320 x 400mm high.	1	NO		
Door frames					
C	45 x 20mm door frame with one labour	56	LM		
Painting and Decorations					
Aluminium primer or other equal and approved wood primer before fixing:-					
D	Surfaces of metal (casement and burglar proofing grills) measured both sides flat overall.	4	SM		
TOTAL FOR DOORS CARRIED FORWARD TO SUMMARY PAGE					

BILL OF QUANTITIES FOR THE COMPLETION OF MODERN SLAUGHTER HOUSE IN MANDERA EAST

<u>ELEMENT NO.5</u>					
<u>EXTERNAL FINISHES</u>					
<u>Wall Finishes</u>					
A	Keyed horizontal joints and flash vertical joints to natural stone walling externally.	12	SM		
B	25mm thick gauged lime plaster (1:2:9) finished smooth to natural stone walling.	6	SM		
<u>Floor finishes</u>					
C	600 x 600mm x 25mm thick precast paving slabs	9	SM		
D	50mm thick quarry dust blinding to receive paving slabs.	9	SM		
<u>INTERNAL FINISHES</u>					
E	75mm thick fire bricks bedded and jointed in cement and sand (1:4) screed.	2	SM		
F	Metal steel grill grid of approved design.	2	SM		
G	38mm thick cement and sand bedding (1:4) to receive fire bricks.	2	SM		
<u>Wall Finishes</u>					
<u>Lime plaster(1:2:9)</u>					
H	38mm thick cement and sand bedding(1:4) to receive fire bricks	10	SM		
I	75mm thick fire bricks bedded and jointed in cement and sand (1:4) screed.	10	SM		
<u>Ceiling Finishes</u>					
J	38mm thick cement and sand bedding(1:4) to receive fire bricks.	3	SM		
K	75mm thick fire bricks bedded and jointed in cement and sand (1:4) screed.	3	SM		
TOTAL FOR FINISHES CARRIED FORWARD TO SUMMARY PAGE					

BILL OF QUANTITIES FOR THE COMPLETION OF MODERN SLAUGHTER HOUSE IN MANDERA EAST

SUMMARY					
1	SUB-STRUCTURES	INC/02			
2	REINFORCED CONCRETE FRAME	INC/03			
3	WALLING	INC/04			
4	DOORS	INC/05			
5	FINISHES	INC/06			
TOTAL FOR INCINERATOR CARRIED TO GRAND SUMMARY PAGE					

BILL OF QUANTITIES FOR THE COMPLETION OF MODERN SLAUGHTER HOUSE IN MANDERA EAST

ITEM	DESCRIPTION	QTY	UNIT	RATE Kshs	AMOUNT Kshs
	BILL NO.6 WALKWAY (CAMEL SLAB TO MAIN SLAUGHTER)				
	Excavating				
A	Bulk or the like; starting from ground level Not exceeding 1.50 m deep	45	CM		
	Disposal				
B	Surplus excavated material Removing from site	45	CM		
	FILLING				
C	Natural gravel Filling in making up levels well rolled and compacted to 95% maximum dry density 300 mm thick; depositing and compacting in layers maximum 150 mm thick	45	CM		
	Stone or quarry dust				
D	Blinding surfaces of fill 50 mm thick; compacting; grading to falls, crossfalls and chambers; to receive precast concrete paving blocks (m/s)	60	SM		
	ANTI-TERMITE AND HERBICIDE TREATMENT				
E	Applied as per manufacturer's instructions to sub soil	60	SM		
	PAVEMENTS				
F	Precast concrete; Normal; class 20/(20 mm); vibrated; part surface fair finish Washed aggregate paving slabs on compacted sand bed (m/s); bedded, jointed and pointed in cement and sand (1:4) mortar;50 mm thick paving slabs; size 600 x 600 mm	60	SM		
	Covered Walkway				
G	Construct 3M wide covered walkway consisting of 75x75x3mm RHS stanchions at 3M centres including all necessary excavation, disposal, formwork, and insitu concrete 1:3:6 base, height 3M with 40x40x3mm steel trusses, gauge 28 IT4 roofing sheets and chipboard ceiling including all necessary timber works to the Architects approval.	46	LM		
TOTAL FOR WALK WAY CARRIED FORWARD TO GRAND SUMMARY PAGE					

BILL OF QUANTITIES FOR THE COMPLETION OF MODERN SLAUGHTER HOUSE IN MANDERA EAST

ITEM	DESCRIPTION	QTY	UNIT	RATE Kshs	AMOUNT Kshs
	BILL NO.7				
	<u>CABRO WORKS</u>				
A	Excavate oversite average 250mm deep to remove top soil, load, wheel and deposit on site not exceeding 100M.	1000	SM		
B	Excavate to reduce levels.	179	CM		
C	200mm thick approved hardcore filling including leveling, compacting and or hand packing in layers not exceeding 150mm thick.	1,000	SM		
D	50mm thick layer of murrum or other equal and approved blinding fully compacted.	1000	SM		
E	80mm thick heavy duty pre-cast concrete paving blocks with minimum strength of 45-50n/mm ² including 50mm thick bed of sand	1,000	SM		
F	125mmx250mm precast concrete straight kerb on concrete foundation(MOW type A)	312	LM		
G	Ditto but radii kerb	20	LM		
	LEVELLING				
	provide material,level and compact the areas as directed by project manger		ITEM		

BILL OF QUANTITIES FOR THE COMPLETION OF MODERN SLAUGHTER HOUSE IN MANDERA EAST

	TOTAL FOR CABRO WORKS CARRIED FORWARD TO GRAND SUMMARY PAGE	
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BILL OF QUANTITIES FOR THE COMPLETION OF MODERN SLAUGHTER HOUSE IN MANDERA EAST

ITEM	DESCRIPTION	QTY	UNIT	RATE Kshs	AMOUNT Kshs
	BILL NO.9				
	<u>GUARD HOUSE(PITCHED ROOF)</u>				
	<u>SUBSTRUCTURES</u>				
A	Allow for upholding the sides of excavations.	ITEM	SUM		
B	Allow for keeping the excavations out of all kind of water by pumping or otherwise.	ITEM	SUM		
C	Excavate to reduce level.	4	CM		
D	Excavate top vegetable soil 200mm deep and deposit onsite not exceeding 100m away.	15	SM		
E	Excavate normal soil from stripped level for trench not exceeding 1.5m deep.	16	CM		
F	Extra over excavation for excavating in rock.	1	CM		
G	Return fill and ram selected excavated material.	9	CM		
H	Cart away extra excavate material as will be directed on site.	7	CM		
I	Vibrated reinforced concrete 1:2:4 to foundations.	2	CM		
J	50mm (1:4:8) concrete blinding under foundations.	12	SM		
K	150mm thick masonry walling in cement/sand mortar (1:3)	25	SM		
L	Approved insecticide treatment applied with manufacturer's instructions 'Gradiator or other equally approved.	9	SM		
TOTAL CARRIED FORWARD TO COLLECTION PAGE					

BILL OF QUANTITIES FOR THE COMPLETION OF MODERN SLAUGHTER HOUSE IN MANDERA EAST

A	12mm diameter square twisted bars.	65	KGS		
B	8mm ditto	23	KGS		
C	300mm thick approved hardcore well watered and compacted in	4	CM		
D	50mm thick murrum blinding on top of compacted hardcore.	9	SM		
E	500 gauge damp proof membrane including end laps	9	SM		
F	Damp proof course 200mm wide including end laps.	16	LM		
G	100mm thick vibrated reinforced concrete in slab.	12	SM		
H	BRC reinforcement mesh ref.No.A98 sawn formwork to edge of	12	SM		
I	12mm thick cement/sand (1:4) rendering to building.	12	SM		
J	50mm insitu concrete paving all around the building.	20	SM		
K	Prepare and apply 3 coats of black bituminous paint to plinth.	12	SM		
	Total carried to collection				
	<u>COLLECTION</u>				
	Total from GH/1				
	Total brought down from above				
TOTAL FOR SUB-STRUCTURE CARRIED FORWARD TO SUMMARY PAGE					

BILL OF QUANTITIES FOR THE COMPLETION OF MODERN SLAUGHTER HOUSE IN MANDERA EAST

	Walling and frame work				
A	150mm thick walling in cement/sand 1:4 mortar	48	SM		
B	Reinforced concrete 1:2:4 in ring beam	1	CM		
C	12mm diameter square twisted high tensile bars.	70	KGS		
D	8mm ditto	37	KGS		
E	Sawn formwork to ring beam	13	SM		
F	Extra over ditto for fair face	12	SM		
G	Precast in permanent ventration 300x225mm high with mosquito	4	SM		
H	Extra over walling for smooth stone dressing.	48	SM		
I	Ditto for smooth vertical joints and recessed horizontal joints.	48	SM		
J	12mm thick cement and sand render with wood floor finish.	7	SM		
K	Construct concrete work top 500x 2500mm with reinforced concrete all reinforcement's bars and form work inclusive.	2	SM		
TOTAL FOR WALLING CARRIED FORWARD TO SUMMARY PAGE					

BILL OF QUANTITIES FOR THE COMPLETION OF MODERN SLAUGHTER HOUSE IN MANDERA EAST

ROOFING			
Construction			
<u>All timber to be sawn cypress of G.S grade seasoned to equilibrium moisture content between 9% and 15% and to a requirement of K.S 02771 of 1991 treated with approved wood preservative.</u>			
A	100x50mm wall plate on and including 10mm cement and sand (1:4) mortar bed secured to reinforced concrete ring beam (m.s) by mild steel anchor bolts(m.s)	18	LM
<u>The following in 56No. Nailed triangular timber trusses spanning clear 12700mm height 2500mm including hoisting and placing 3500mm above floor slab level</u>			
B	100x50mm trussed rafter	16	LM
C	100x50mm tie beam	9	LM
D	100x50mm strut/tie	22	LM
E	75X50mm sawn celcured cypress purlins	43	LM
F	Ditto hip rafters	16	LM
Covering			
Pre-painted roof sheets			
G	Gauge 28 resin cot sheet IT4 profile as (MRM works)	28	SM
TOTAL CARRIED FORWARD TO COLLECTION PAGE			

BILL OF QUANTITIES FOR THE COMPLETION OF MODERN SLAUGHTER HOUSE IN MANDERA EAST

A	Ditto hip covers 400mm girth.	8	LM		
B	Ditto ridge covers 300mm girth.	5	LM		
	Wrot cypress				
C	25x200mm fascia board fixed to ends of rafters (m.s).	22	LM		
	Sundries				
D	12mm diameter x 300mm long black mild steel anchor bolt embedded 180mm deep in ring beam at 1200mm including drilling holes in timber.	14	NO		
E	100x100x6mm thick galvanized mild steel nailing cleat once bent to form angle ten times drilled, one flange nailed to foot of rafter(m.s) other nailed to top of wall plate(m.s)	10	NO		
	Carried to collection				
	<u>COLLECTION</u>				
	Total from GH/4				
	Total from above				
TOTAL FOR ROOFING CARRIED FORWARD TO SUMMARY PAGE					

BILL OF QUANTITIES FOR THE COMPLETION OF MODERN SLAUGHTER HOUSE IN MANDERA EAST

<u>WINDOWS AND DOORS</u>					
<u>TIMBER WINDOWS</u>					
<u>Wrot Hardwood</u>					
A	100x50mm window frame, mullions, transoms and the like with 2no. labours.	15	LM		
<u>Aluminium "Naco" Heavy duty louver blade carrier 150mm wide blades.</u>					
B	Pair of eight blades for carrier 600mm long.	4	PAIRS		
<u>Burglar proofing</u>					
<u>Mild steel burglar proofing to timber casement windows fabricated from 12mm round bars t 125mm centres horizontally including drilling and securing to timber and allowing offsets to give 10mm space from glass to:</u>					
C	Window overall size 600x1200mm high.	4	NO		
D	5mm thick clear glass with rounded edges 600mm long.	32	NO		
E	Prime only back of frame not exceeding 100mm girth.	20	LM		
F	Knot prime stop and prepare and apply three coats of clear polyurethane varnish to surfaces 100 to 200mm girth.	15	LM		
<u>Sills</u>					
G	125mmx20mm quarry tile sill with one curved edge including be adding and pointing in cement and sand (1:3) mortar.	3	LM		
<u>STEEL DOORS</u>					
H	Standard steel door size 900mm x 2100mm high comprising of 40x25x3mm stiles bottom and top rails completed with 50mmx50mmx3mm fixed angle frame 16gauge mild steel sheet in six panels, three 200mm lockable bolts including one coat red oxide primer and all ironmongeries.	2	NO		
I	Prepare surface and apply three coats gloss oil paint on metal surfaces.	9	SM		
TOTAL CARRIED FORWARD TO COLLECTION PAGE					

BILL OF QUANTITIES FOR THE COMPLETION OF MODERN SLAUGHTER HOUSE IN MANDERA EAST

FINISHES					
A	12mm thick cement and sand plaster to walling.	72	SM		
B	Prepare and apply 3 coats of plastic emulsion paint to walling.	37	SM		
C	40mm thick coloured screed finish steel trowelled smooth.	11	SM		
D	Prepare and apply 3 coats of oil paint to windows including burglar proof.	6	SM		
Ceiling finishes					
E	50mmx50mm cypress brandering.	86	LM		
F	Celotex ceiling on timber brandering (m.s)	11	SM		
G	Extra over ceiling lining for trap door.	1	NO		
H	100mm x 25mm prime grade cypress cornice with two labours.	21	LM		
I	Prime back of timber before fixing.	21	LM		
J	Knot, prime, stop and three coats first quality emulsion paint to chipboard ceiling.	11	SM		
K	Timber surfaces in oil paint not exceeding 100m girth.	21	LM		
Total Carried to Summary					
SUMMARY					
Total from GH/2					
Total from GH/3					
Total from GH/5					
Total from GH/6					
Total from above					
TOTAL FOR GUARD HOUSE CARRIED FORWARD TO GRAND SUMMARY PAGE					

BILL OF QUANTITIES FOR THE COMPLETION OF MODERN SLAUGHTER HOUSE IN MANDERA EAST

ITEM	DESCRIPTION	QTY	UNIT	RATE Kshs	AMOUNT Kshs
	<p>BILL NO.10 LANDSCAPING</p> <p>(ALL PROVISIONAL)</p> <p>Plant the following including providing all plants or seeds and growing in nursery until of sufficient maturity to transplant.</p>				
A	<p>Kikuyu grass planted at 100mm centres in each direction, including breaking soil average 500mm deep, removing roots and weeds, mix surface soil with manure and general fertilizer to a depth of 200mm to receive grass</p> <p>Maintaining the following until six months after practical completion including replacing grass which has dried within three months of planting</p>	2,000	SM		
B	<p>Grassed Areas</p> <p>Tree Planting</p>	2,000	SM		
C	<p>Excavate 1500mm diameter x 1000mm deep hole part backfill and part cart away from site</p>	200	NO		
D	<p>Supply plant and maintain including building baricades all around "Neem" tree</p> <p>LEVELLING provide material and compact in layers to satisfaction of project manger</p>	200	NO		
			ITEM		
TOTAL FOR LANDSCAPING CARRIED FORWARD TO GRAND SUMMARY PAGE					

PROPOSED ERECTION AND COMPLETION OF SLAUGHTER HOUSES

ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 1</u>				
	<u>SUBSTRUCTURES</u>				
	<u>(All provisional)</u>				
A	Clear site of all grass and small trees not exceeding 600mm girth and cart away or burn arisings.	300	SM		-
B	Reduce level to remove top vegetable soil average 250mm deep and spread as directed on site.	300	SM		-
C	Excavate for foundation strip footing in normal soil not exceeding 1.5m deep.	220	CM		-
D	Extra over all kinds of excavation for excavating rock irrespective of class.	44	CM		-
E	Allow for keeping excavations free from all water by pumping or otherwise.		ITEM		-
F	Ditto; for plunking and strutting to sides of excavations.		ITEM		-
	Disposals				
G	Return fill and ram selected excavated material around foundations.	212	CM		-
H	Load, wheel and cart away from site surplus excavated material and deposit in approved dumping area.	132	CM		-
	Imported Filling				
J	300 mm Thick (average) approved broken quarry stone hardcore filling in two equal layers well compacted.	210	SM		-
K	50 mm thick stone dust blinding to surfaces of hardcore	210	SM		-
	Total to collection page AB/3				-

PROPOSED ERECTION AND COMPLETION OF SLAUGHTER HOUSES

ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.1 CONT'D</u>				
	<u>50 mm plain concrete (1:4:8 - class 15/20mm) blinding to:</u>				
A	Strip footing.	73	SM		-
	<u>Vibrated reinforced concrete class 25 in:</u>				
B	Strip footing.	15	CM		-
C	150mm thick ground floor slab	218	SM		-
	<u>Reinforcement (All Provisional)</u>				
	<u>High tensile square twisted bars BS 4461 as described in :</u>				
D	Assorted Reinforcements	1050	Kgs		-
	Steel mesh fabric reinforcement to BS 4483				
E	Steel fabric mesh reinforcement type A142 weighing 2.22Kg/M ² and to BS 4483 and with 150 mm side laps (measured net - no allowance for laps)	218	SM		-
	Damp proof membrane				
F	1000 gauge polythene sheeting laid under concrete floor bed.	218	SM		-
	Anti-termite treatment				
G	'Dragnet' or other equal and approved antitermite insecticide treatment to blinded hardcore surfaces applied in accordance with manufacturer's instructions.	218	SM		-
	Carried to collection page AB/3				-

PROPOSED ERECTION AND COMPLETION OF SLAUGHTER HOUSES

ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 1 CONT'D</u>				
	<u>Sawn formwork to :</u>				
A	Sides of strip footing.	49	SM		-
B	Edges of ground floor bed exceeding 75mm but not exceeding 150mm girth.	82	LM		-
C	Load bearing natural stone rough dressed "Njiru" walling in cement and sand mortar				
D	200 mm thick natural walling	183	SM		-
	<u>Bituminous Damp Proof Course bedded and jointed in cement sand mortar 1:3.</u>				
E	200 mm wide.	121	LM		-
F	Ditto; 150 mm wide	8	LM		-
	<u>Cement and sand (1:4) rendering</u>				
G	12mm thick cement and sand render mix 1:4 to plinth surfaces.	16	SM		-
H	Prepare and apply three coats of black butimastic paint to rendered surfaces.	16	SM		-
	Total to Collection				-
	<u>COLLECTION</u>				
	Brought forward from page AB/1				-
	Brought forward from page AB/2				-
	Brought forward from above				-
	Total for Element No. 1 (Substructure) carried to summary				-

PROPOSED ERECTION AND COMPLETION OF SLAUGHTER HOUSES

ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.2</u>				
	<u>REINFORCED CONCRETE SUPERSTRUCTURES</u>				
	<u>Vibrated reinforced concrete (1:2:4) Class 20/20mm in :</u>				
A	Ring Beams	5	CM		-
B	Beams	2	CM		-
	<u>Reinforcement</u>				
	<u>High tensile square twisted bars BS 4461 as described in :</u>				
C	Assortment Reinforcement	350	Kgs		-
	<u>Sawn formwork to :</u>				
D	Verticle sides of Ring Beams	49	LM		-
E	Soffits of Ringbeams	82	LM		-
F	Verticle sides of beams	24	LM		-
G	Soffits of beams	39	LM		-
	<u>Total for Element No. 2 Carried to Summary</u>				-

PROPOSED ERECTION AND COMPLETION OF SLAUGHTER HOUSES

ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 3</u>				
	<u>WALLING</u>				
	Smooth dressed natural blue stone, on the vertical and horizontally raked, dressed and rubbed in various course sizes and approved pattern and shape bedded and jointed in cement and sand mortar mix 1:4 reinforced with 25x2mm hoop iron every alternate course				
A	200 mm thick natural stone walling;	198	SM		-
	<u>Internal walls</u>				
B	200 mm thick machine cut stone walling bedded and jointed in cement sand (1:3) mortar.	106	SM		-
C	Ditto; but 150 mm thick.	4	SM		-
	Total for Element No. 3 (Walling) to Summary				-

PROPOSED ERECTION AND COMPLETION OF SLAUGHTER HOUSES

ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 4</u>				
	<u>ROOFING AND RAIN WATER DISPOSALS</u>				
	<u>Trusses</u>				
	<u>The following in 21 No. double pitch timber trusses with bolted connections rising approximately 2.7m above ground level</u>				
A	150 x 50 mm rafters.	147	LM		-
B	100 x 50 mm ties and struts.	134	LM		-
C	150 x 50 mm joists.	130	LM		-
	<u>Roofing</u>				
	Sawn cypress treated as described in trusses including templates, fillets, nailing , straps, splices and hoisting 16.50 metres above ground level and with a moisture content not exceeding 12%				
D	100 x 50 mm Wall plate.	82	LM		-
E	100 X 50 mm Purlins	288	LM		-
F	150 x 50 mm Ridge board	36	LM		-
G	150 X 50 mm Hip Rafter	4	LM		-
H	150 X 50 mm Valley Rafter	4	LM		-
	<u>Roof covering</u>				
J	26 Gauge prepainted galvanized Iron and Aluzinc sheet metal roofing as IT5/BP950 Profiled Sheets 906mm wide (857mm effective cover)	336	SM		-
K	Ditto; ridge cover	36	LM		-
L	200x25mm wrot cypress badge board	14	LM		-
	Carried to collection page AB/7				-

PROPOSED ERECTION AND COMPLETION OF SLAUGHTER HOUSES

ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 4 Cont'd</u>				
	<u>Testing</u>				
A	Allow for testing the whole of the rainwater disposal installation to the satisfaction of the Architect and for replacing any defective work free of charge.		ITEM		
	<u>Rain Water Goods</u>				
B	22 gauge light pressed galvanised mild steel purpose made ready primed down pipes jointed with mastic and fixed to walls with brackets to BS1091				
C	150mm diameter gutters	72	LM		-
D	200mm diameter down pipes draining to water tank (m.s)	22	LM		-
E	Extra over rain water down pipe for swan neck projecting 600mm	8	NO.		-
F	Ditto Shoe	8	NO.		-
G	3000 Litre Plastic water tank as Roto Tanks complete with outlet tap and spill over pipe	1	NO		-
	<u>Painting and Decoration</u>				
H	Prepare and apply 2No. Metal primer 1No. Finishing coats of gloss paint to metal surfaces	94	LM		-
J	Ditto Swan neck	8	LM		-
K	Ditto Shoe	4	LM		-
	<u>COLLECTION</u>				
	Brought forward from AB/6				-
	Brought forward from above				-
	Total for Element No. 4 to Summary				-

PROPOSED ERECTION AND COMPLETION OF SLAUGHTER HOUSES

ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 5</u>				
	<u>DOORS.</u>				
	<u>External Doors</u>				
	Panel Doors				
A	40mm thick single swinging double leaf solid core flush door type D02 overall size 1500 x 2400mm high comprising of 2No. Door leaf size 750 x 2100 and 1No. Fanlight size 1500 x 300 mm high	2	NO		-
B	40mm thick single leaf single swinging door type D01, size 1000 x 2100mm high	6	NO		-
	Carried to collection page AB/9				-

PROPOSED ERECTION AND COMPLETION OF SLAUGHTER HOUSES

ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 5 CONT'D</u>				
	<u>Internal Doors</u>				
A	40mm thick single swinging single leaf semi-solid flush door type D02 overall size 900 x 2100mm high comprising of leaf size 900 x 2100	2	NO		-
B	Ditto but door size 800 x 2100 mm	6	NO		-
	<u>The following in wrot mahogany.</u>				
C	150 X 50 mm hardwood door frame with one labour.	84	LM		-
D	40 x 25 mm hardwood architrave with one labour.	84	LM		-
E	25 mm quadrant.	84	LM		-
	<u>Ironmongery.</u>				
	<u>Supply and fix the following to wood with matching screws.</u>				
F	Three lever "Union" mortise lock with lever furniture.	8	NO		-
G	Ditto; Two lever.	2	NO		-
	Union' indicator lock bolt	6	NO		-
H	38 mm rubber door stop fixed with rawl bolt.	16	NO		-
J	100 mm pressed steel butt hinges.	48	Prs		-
	<u>Prepare and apply one coat of aluminium wood primer</u>				
K	Back of wood before fixing not exceeding 100 mm girth.	168	LM		-
L	Ditto to door surfaces	67	SM		-
M	Prepare and apply two coats of polyurethane clear varnish to timber general surfaces	67	SM		-
N	Ditto; not exceeding 100 mm girth.	168	LM		-
	<u>COLLECTION</u>				
	Brought forward from page AB/ 8				-
	Brought forward from page above				-
	Total for Element No. 5 (Doors) Carried to Summary				-

PROPOSED ERECTION AND COMPLETION OF SLAUGHTER HOUSES

ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 6</u>				
	<u>WINDOWS.</u>				
	<u>Metal Windows.</u>				
	<u>Supply and Fix the following purpose-made Mild Steel vertically hung casement finished with one coat red oxide primer complete with opening accessories including cutting and fixing lugs and pointing all round in cement mortar class 1:6 with vertically pivoted sashes as described;</u>				
A	1800 x 1200 mm high window type W01 consisting of 2No. Top hung Openable casements size 600 x 1200mm high and one fixed casement size 600 x 1200mm high	14	NO		
B	600 x 600mm high window type W02 consisting of 1No. Top hung Openable casements size 600 x 400mm high	6	NO		
	<u>Glazing</u>				
C	8 mm thick obscured sheet glass and glazing in panes 0.1 - 1.0 SM with approved metal putty.	30	SM		
D	Ditto but obscured glass	3	SM		
E	Window Cills				
F	150 x 50 x 25 mm thick clay window cill to slope.	29	LM		
	<u>Wrot hardwood</u>				
G	250 x 25 mm window boards	29	LM		
H	Pelmet Boxes in:				
J	25 x 150 mm top with one labour.	29	LM		
K	25 x 150 mm fascia	29	LM		
L	50 x 25 mm bearers	28	LM		
M	150 x 150 x 25 mm ends	28	NO		
	Total for Bill No 6 Carried to Summary				

PROPOSED ERECTION AND COMPLETION OF SLAUGHTER HOUSES

ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 7</u>				
	<u>FINISHES</u>				
	<u>EXTERNAL FINISHES.</u>				
	<u>Wall Finishes</u>				
A	Horizontal keying and pointing to natural stone external wall surfaces	198	SM		-
	<u>Floor Finish</u>				
B	600x600x25mm thick precast paving slabs	117	SM		-
C	50mm thick quarry dust blinding to receive paving slabs	117	SM		-
	<u>Eaves Detail</u>				
D	25 x 12mm thick T & G boarding to eaves and approved wire gauze on brandering	120	SM		-
E	200 x 12mm thick Fascia board	71	LM		-
F	200 x 12mm thick Badge board	21	LM		-
	Total for Element No.7 Carried to Summary				-

PROPOSED ERECTION AND COMPLETION OF SLAUGHTER HOUSES

ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
	ELEMENT NO. 8				
	<u>INTERNAL FINISHES.</u>				
	<u>Floor finishes.</u>				
A	32 mm thick cement and sand (1:4) bedding screed wood floated to receive tiles (m/s).	210	SM		-
B	300 x 200 x 12mm thick Porcelain tiles laid to approved pattern	210	SM		-
C	300 x 200 x 12mm thick ceramic tiles	22	SM		-
	<u>Wall finishes.</u>				
	Lime plaster, 15mm thick (1:2:9)				
D	12 mm thick cement and sand plaster 1:4; steel trowelled to receive wall paint (m/s)	418	SM		-
E	15mm thick cement sand backing to receive ceramic wall tiles (m/s).	73	SM		-
F	250 x 300 x 6mm thick white glazed tiles as 'Saj' or equal and approved laid in patterns to the architects specifications.	73	SM		-
	<u>Ceiling Finishes</u>				
G	12mm thick softboard ceiling on 50 x 50 sawn cypress branderling at 600mm centres both ways	210	SM		-
H	75 x 25mm wrot cypress cornice	161	LM		-
	Total for Element No.8 Carried to Summary				-

PROPOSED ERECTION AND COMPLETION OF SLAUGHTER HOUSES

ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 9:</u>				
	<u>BUILDER'S WORKS</u>				
	In connection to Mechanical works				
	Builder's work in connection with plumbing and fire fighting installation Chasing and making good for small pipe in: - [All Provisional]				
A	Concrete beds and slabs	19	LM		-
B	Natural stone walls	26	LM		-
	Holes for small pipe through; -				
C	Natural Stone walls, thickness 100 mm	8	No.		-
D	Natural Stone walls, thickness 200 mm	16	No.		-
	Builder's work in connection with plumbing and making good for plinths in: - [All Provisional]				
E	100mm thick concrete plinths to receive Urinals	6	No		-
	Holes and pipe sleeves for large pipe through: -				
F	Reinforced concrete wall or beam, thickness 200 mm	24	No.		-
	<u>In connection to Electrical Works</u>				
	Cut for and attend in all trades on the Sub-Contractor installing the following points in a mainly concealed system, including chases, holes and recesses, notching timber, etc, and making good all finishes				
G	Power distribution boards	3	No.		-
H	Lighting points with associated switches	32	No.		-
J	Socket outlet points	32	No.		-
K	Fire alarm points	7	No.		-
	Total for Element No.10 Carried to Summary.				-

PROPOSED ERECTION AND COMPLETION OF SLAUGHTER HOUSES

ITEM	DESCRIPTION	QNTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.10</u>				
	<u>JOINERY FITTINGS</u>				
	The contractor is advised to examine drawings first before inserting rates for this work in order to ascertain for himself the nature of the works and no claim for lack of knowledge in this respect shall be entertained				
	<u>The following in Medium Density Fibre Board worktops in sizes:</u>				
A	18000 x 600mm wide	11	SM		
B	The following in 20 Gauge stainless steel in:				
C	6000 x 1200 mm wide work top with drain to either side to Mechanical Engineers detail.	7.2	SM		
	<u>Mirrors</u>				
D	1200 x 900 x 6mm thick dressing mirror	4	NO.		
	<u>Total for Element No.11 Carried to Summary page.</u>				

PROPOSED ERECTION AND COMPLETION OF SLAUGHTER HOUSES

ITEM	DESCRIPTION		PAGE		AMOUNT
	<u>SUMMARY</u>				
1	SUBSTRUCTURE				-
2	REINFORCED CONCRETE STRUCTURE				-
3	WALLING				-
4	ROOF CONSTRUCTION				-
5	DOORS				-
6	WINDOWS				-
7	EXTERNAL FINISHES				-
8	INTERNAL FINISHES				-
9	BUILDERS WORKS				-
10	JOINERY WORKS				-
	TOTAL FOR LABORATORY AND EMERGENCY BLOCK CARRIED TO GRAND SUMMARY				-

ITEM	DESCRIPTION	AMOUNT (Ksh.)	
		Kshs	Kshs
	PRIME COST AND PROVISIONAL SUM		
	CONTINGENCY		
A	Provide the Sum of Ksh. 500,000.00 (Five Hundred Thousand Kenyan Shillings) to be expended as directed by the		500000
	PROJECT SUPERVISION & DOCUMENTATION		
B	Provide the Sum of Ksh. 200,000.00 (Two Hundred Thousand Kenyan Shillings) to be expended as project superv		200000
	BIODIGESTER AND SOAK PIT		
C	Provide the Sum of Ksh. 600,000.00 (Six Hundred Thousand Kenyan Shillings) for 6 Cu. Metre Biodigester and sc		600000
	MEAT RAIL SYSTEM		
D	Provide the Sum of Ksh. 2,000,000.00 (Two million Kenyan Shillings) for overhead meet rail system		2000000
	SOLAR SECURITY LIGHTING		
E	Provide the Sum of Ksh. 1,000,000.00 (One Million Kenyan Shillings) for Solar Security Lighting		1000000
	TOTAL FOR PC & PROVISIONAL SUMS CARRIED FORWARD TO GRAND SUMMARY		4300000

GRAND SUMMARY

ITEM	DESCRIPTION	Page No.	OFFICIAL USE AMOUNT (Kshs)	CONTRACTOR'S USE AMOUNT (Kshs)
1	PRELIMINARIES			
2	MANURE SHED			
3	LAGOON			
4	INCINERATOR			
5	WALKWAY			
6	CABRO WORKS			
7	GUARD HOUSE			
8	LANDSCAPING			
9	LABORATORY AND EMERGENCY BLOCK			
10	PC & PROVISIONAL SUMS			
	SUB TOTAL			
	16% VAT			
	TOTAL CARRIED TO FORM OF TENDER			

AMOUNT IN WORDS:.....

**SIGNED:-
 FOR AND ON BEHALF OF:-**

TENDERER:-

Contractor:.....
 VAT Registration No:.....
 PIN No:.....
 Address:.....
 Signature:.....
 Date:.....

WITNESS:-

Name:.....
 Address:.....
 Signature:.....
 Date:.....