REPUBLIC OF KENYA

Poverty Reduction Through Sustainable NRM

IFAD
Investing in rural people

BILL OF QUANTITIES FOR THE PROTECTION OF RURII SWAMP

FOR
GACHIEGE-KANYUANGO CATCHMENT

REPORT PREPARED BY:GACHIEGE WRUA

LIMITED P.O BOX 4521-00100 NAIROBI

FINAL REPORT

SIGNED BY: ENGINEER JEREMIAH KIRIGACHA

TEL. 0727317950

AUGUST 2021

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SECTION 1

INVITATION TO TENDER

DATE :WEDNESDAY 26TH APRIL 2023
TENDER CATEGORY: OPEN TENDER

TENDER REFERENCE: UTA/GAC/2/2022-2023

TENDER NAME: PROPOSED PROTECTION OF RURII SWAMP FOR GACHIEGE-KANYUNGO WRUA.

1.1 GACHIEGE-KANYUANGO WRUA P.O BOX 1379-60200 invites tenders from eligible contractors for the proposed protection of Rurii Swamp **Tender no UTA/GAC/2/2022-2023**

1.2 Interested eligible bidders may obtain further information from and inspect the tender documents at **CGM Website www.meru.go.ke or gorverment portal https://tenders.go.ke**.

1.3 The tender documents may be downloaded free of charge from www.meru.go.ke or https://tenders.go.ke. Those who download the tender document can send an email giving the details of their firm, contact person, telephone numbers and email addresses to gachiegewaterresource@gmail.com

1.4 Prices quoted should be inclusive of all taxes, and delivery costs, must be in Kenya shillings and shall remain valid for one hundred and twenty six (126) days from the closing date of the tender.

1.5 Completed tender documents **(Original and copy)** are to be enclosed in a plain sealed envelopes, marked with the **tender number** and **name** and be deposited in the tender box located at the reception of the county gorverment of meru headquarters and addressed to the Chairman Gachiege Kanyuango Wrua P.O.BOX 1379-60200 Meru so as to be received on or before Friday **5rd may 2023 at 10.00am**. Tenders will be opened immediately thereafter at 10.00 am on FRIDAY **5th may 2023** in the presence of the bidder's representatives who choose to attend.

1.6 Late Tender Documents shall be rejected and returned unopened. Bids will be publicly opened immediately after closure.

1.7 there shall be a mandatory pretender site visit on Tuesday 2ndth May 2023 at 10.00 a.m at the site

CHAIRMAN

GACHIEGE-KANYUANGO WRUA

P.O BOX 1379-60200

MERU.

SECTION 2

EVALUATION TOOL

TENDER NAME: PROPOSED PROTECTION OF RURII SWAMP FOR GACHIEGE-KANYUANGO WRUA.

TENDER NUMBER: UTA/GAC/2/2022-2023

NAME OF THE FIRM……

The following information shall complement or amend the provisions of the instructions to tenderers. Where there is a conflict between the provisions of the instructions to the tenderers and the provisions of the appendix, the provision of the appendix here in shall prevail over those of the instruction to tenderers

Instructions to tenderer	Particulars of appendix to instructions to tenderers	YES/ NO
1.1	The 'Employer' is the CHAIRMAN GACHIEGE-KANYUANGO WRUA P.O BOX 1379-60200 MERU.	
1.2	Pre-qualification: This being a open tender, no prequalification procedure has been undertaken thus procurement shall be based on post qualification method and tenderers should comply with all tender requirements to considered forward	
1.3	Tenderers are required to submit copies of the following **MANDATORY DOCUMENTS** which will be used during preliminary Examination to determine responsiveness, notwithstanding any other requirement in the tender document	
1)	Copy of certificate of incorporation under the company's Act and must have been in existence for the last five (5) years.	
2)	Copy of recent CR12 issued within the last 12 months from the Date of tender opening. This may be verified with the Registrar of companies.	
3)	Copy of valid Tax compliance certificate issued by the Kenya Revenue Authority (Will be verified on the KRA TCC checker)	
4)	Tender form duly completed, Signed and stamped by the tenderer in the format provided	
5)	Bills of quantities duly completed, signed and stamped by tenderer in the format provided.	
6)	MUST submit a Bid Bond of Ksh 152,000 of the tender sum valid for 126 days from the day of the tender opening.	
7)	**Must submit a duly filled up confidential business Questionnair in the format provided**	
8)	Must submit a copy of relevant valid national construction Authority Registration certificate (NCA 8 and above) **Water works**	
9)	Must submit a copy of relevant current national construction Authority practicing License (NCA 8 and above) **Water works**	
10)	Submit a valid relevant current local Trading License/Single Business pe	

11) 12) 13) 14) 15) 16)	MUST attend a mandatory pre-tender site visit to be scheduled on Tuesday 2nd May 2023, Duly signed certificate of bidders visit to the site shall be issued to present bidders on site. Bidders or their representative shall meet at the site of works at Rurii swamp on Tuesday 2nd May 2023 at 10.00 A.M Submit a signed Declaration form (sworn affidavit from a registered commissioner of oaths and their contacts) Must fill, sign and stamp anti-fraudulent practice declaration form Must fill, sign and stamp anti-corruption practice form provide in the Tender document. Must fill, sign and stamp non-department declaration form provided In the tender document. Properly bound, good presented document. The tender document Shall be paginated/serial numbered. **AT THIS STAGE, TENDERERS' 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.**	
1.4	Joint Ventures shall provide all the information required under this clause failure to which they will be disqualified at the preliminary evaluation stage.	
1.5	Detailed Evaluation: **TENDERERS WHO ARE FOUND RESPONSIVE AT THE PRELIMINARY AND EVALUATION STAGE WILL BE SUBJECTED TO DETAILED EVALUATION AS PER THE CRITERIA IMMEDIATELY AFTER THIS APPENDIX TO INSTRUCTIONS TO TENDERERS TABLE**	
1.6	Rate and price Adjustments: **Any rate and price adjustments shall be allowed in the public procurement and asset Disposal Act, 2015**	
1.7	The unit rates and prices shall be in **Kenya shillings**	
1.8	Alternative Tenders: **Not allowed**	
1.9	No of copies of Tender Document to be submitted: **The bidder shall submit ONE (1) ORIGINAL AND ONE (1) COPY of the Tender Document and mark them as indicated in clause 4.1 of the instructions to Tenderers**	
Instructions to tenderers	**Particulars of appendix to instructions to tenderers**	**YES/NO**
2.0	Arithmetic Errors: The tender sum as submitted and read out during tender opening shall be final and shall not be subject of any corrections, adjustments or amendments until at the financial stage at tender evaluation.	
2.1	Particulars of performance security if applicable: **The successful Bidder shall submit a performance security in the form of a Bank Guarantee amounting to 5% of the contract price**.	
2.2	Preferences and Reservations: **N/A**	
2.3	Contract price Variations: **Any contract price variations shall be as allowable in the public procurement and Asset Disposal Act, 2015**	

Other's as necessary	Complete as necessary. **None**	

Comments: ……

Name of Evaluator: ……

Sign: ……

Date: ……..

DETAILED EVALUATION CRITERIA

A) Technical evaluation

Tenders meeting the minimum responsiveness requirements will be evaluated according to the following Evaluation Criteria.

Item	Parameter	Maximum points
1.	Water works construction experience	10
2.	Physical facilities contractors comes from within the catchment	20
3.	Similar works completed in the last five (5) years	10
4.	Current commitments	5
5.	Name and addresses of clients who may be contacted	5
6.	Schedule of contractor's equipment	5
7.	Qualifications and experience of key personnel	10
8.	Report on financial situation	3
9.	Audited financial statements & financial standing reported within the last 3 years	6
10.	Authority to seek reference from the tenderer's bankers with details of Name, address and telephone numbers and account numbers	2
11.	Litigation and arbitration history provide sworn affidavit from registered commissioner of oaths indicating their contact details)	2
12.	Completeness and clarity of the tender document in accordance with clause 3 of instructions to tenderers	2
13.	Work plan and methodology of the execution of works	20
	TOTAL	100

DETAILED SCORING MATRIX FOR TECHNICAL EVALUATION (PASSMARK 70%)

Name of Evaluator: ……

Sign: ……

Date: ……..

Item	Description	Max-points	Score
1.	**Water works construction experience** (as evidenced in business registration/certificate of incorporation) Over ten (10) years 5-10 years	10 5 5	
2.	**Physical facilities** Evidence of physical address and business permit to confirm the tenderer comes from within the catchment Provided and satisfactory Not provided	20 20 0	
3.	**Similar works:** Experience as a main contractor in works of similar nature, Magnitude and size completed within the last five years. **Similar works within the last five (5) years, that have been successfully and substantially completed** Certificates, handing over certificates/ LSO) 5 projects and above successfully completed 4 projects and above successfully completed 3 projects and above successfully completed 2 projects and above successfully completed 1 projects successfully completed None or no relevant project	10 **10** **8** **7** **5** **2** **0**	
4.	**Current Commitments:** Details of similar work underway or contractually committed i.e schedule of on-	5	

	going projects of similar nature, Magnitude and size (Attach award letters or interim certificates or contracts) 5 projects and above ongoing well 4 projects and above ongoing well 3 projects and above ongoing well 2 projects and above ongoing well 1 project ongoing well None or no relevant project			
5.	**Names and addresses of clients who may be contacted** For further information on the completed projects. (In a table format with the following details; Name of the contact person, Firm, project/Assignment and contact postal Address, E-mail Address, and Tel: No. etc). Also reference letters from the clients. 5 Clients and above 4 Clients 3 Clients 2 Clients 1 Client No Client			
6.	**Equipment Holding:** Major items of construction Equipments proposed to carry out the contract (Owned, leased or hired) and an undertaking that they will be available for the contract i.e Schedule of contractor's equipment. (***Submit Evidence of ownership/Leasing (Mandatory) e.g log books for vehicle, purchase receipts for equipment or lease agreements or any other acceptable documentary evidence)*** Excavation equipment Concrete mixer Transportation vehicle Grading machine Compaction Machine Any other acceptable relevant major items of construction equipment not listed above will be awarded 1 mark each up to a Max. of 5 (Total marks will however not exceed 10)			
	Total			

Item	Description	Scoring breakdown	Max-points	Score
7	**Qualifications and experience** of key personnel (Attach current signed original CVs (signed by the both the employer and owner) and copy of relevant certificates). Project Engineer to have at least a degree in Engineering and be a member of relevant professional body with at least six (6) years relevant experience. Academic Qualification **(2 points)** & Experience for the period Indicated **(4 points).** Submission of detailed CV and membership of a relevant professional body **(1 point each)** Site manager to have at least a relevant professional qualification with five (5) years' experience in the proposed position or works of a similar nature. Academic **Qualification (2 points)** & experience for the period indicated **(3points).** Submission of detailed CV **(1points)** Supervisor to have at least a relevant professional qualification with three (3) years' experience in the proposed position or works of a similar nature. Academic qualification (1points) & experience for the period indicated (2 points). Submission of detailed CV (1points) Any other qualified and relevant personnel proposed with adequate experience and with necessary documentation submitted at above will be awarded 1 marks each up to a maximum of 2 marks	 5 3 1 1	10	
8	**Financial Situation:** The current soundness of the applicant's financial position and its respective long-term profitability. Submit Audited financial statements reported within the last three (3) years (2022, 2021 and 2020).or 2019 Turn over greater or equal to 3 times the cost of the project. Turnover greater (but less than 3 times the cost of the project) or equal to the cost to the project Turnover below the cost of the project	**(Aggregate score)** 3 2 0	3	
9	**Reports on financial Standing** such as profit and loss statement and auditors report for the past three years signed by Auditor(s) who are approved by ICPAK approval.	**(Aggregate score)**	6	

Item	Description	Scoring breakdown	Max-points	Score
	Determining solvency and liquidity of the Company Letter from banker regarding credit worthiness of the **firm** Clearance certificate from credit Reference Bureau for the firm	2 2 2		
10	**Authority to seek reference from the tenderer's bankers** With details of name, address and telephone numbers and Account numbers Provided and satisfactory None	(Aggregate Score) 2 0	2	
11	**Litigation and arbitration history.** Information regarding any litigation, current or during the last five years, in which the tenderer is involved, the parties concerned and disputed amount (Provide current affidavit) Provided and satisfactory None	(Aggregate Score) 2 0	2	
12	**Completeness and clarity of the tender documents** Satisfactory Not satisfactory	(Aggregate Score) 2 0	2	
13	Work plan and methodology of the execution of works Work plan Work methodology	(Aggregate Score) 12 8	20	
	Total		100	

Comments: ……

Name of Evaluator: ……

Sign: ……

Date: ……..

NOTE: TO QUALIFY FOR THE FINANCIAL EVALUATION STAGE BIDDERS ARE EXPECTED TO SCORE AT LEAST 70% AT THE TECHNICAL EVALUATION STAGE

B) <u>FINANCIAL EVALUATION</u>

Only bidders who score 70 marks and above will be subjected to financial evaluation. Those who score below 70 marks will be eliminated at this stage from the entire evaluation process and will not be considered further.

Name of Evaluator: ……

Sign: ……

Date: ……..

Stage 1

1) This will include the following:-

a) Confirmation of and considering Bill of Quantities completed and signed

b) Conducting a financial comparison for the firms that passed technical evaluation

2) Tenders shall also be checked for errors, inconsistencies and frontloading. The following tenders shall **automatically disqualified**.

i. Tenders with an arithmetic error of more than 5%, unless the tenderers demonstrate and confirm in writing that they will satisfactorily deliver.

ii. Tenders that are frontloaded, unless the tenderer (if successful) agrees with the employer on interim certificates payment plan that do not disadvantage the employer and enhancement of performance security.

iii. Tenders that have errors or inconsistencies in pricing that are significant enough to cause distortion in a successful contractor's cash flow or put the client in a contractually unfavorable or risky position.

3) The Tenderer should have at least 20% of the total tender value in cash assets in the Balance sheet provided as part of the audited financial statements.

Stage 2 and post Qualification

The evaluation committee shall carry out due on the successful tenderer to seek information on the validity and authenticity of the documents submitted by the tenderer prior to the tender award.

Any bidder who shall be found to have supplied false or misleading information shall be disqualified and the next lowest tender that has passed stage shall be considered.

Record of unsatisfactory or default in performance obligations in any contract shall also be considered at this stage. This shall include any tenderer with unresolved case(s) in its performance obligations for more than two (2) months in any contract. These bidders shall be disqualified to and the next lowest tender that has passed stage shall be considered.

AWARD OF CONTRACT

The tender will be awarded to the successful tenderer whose tender has been determined to be substantially responsive, determined to be the lowest evaluated bidder/tenderer, and is qualified to perform the contract satisfactorily.

Note:

In case of a tie in the technical score, the bidder with the lowest tender sum shall be awarded the contract.

In case of a tie in tender sum, the bidder with the highest technical score shall be awarded the contract.

Name of Evaluator: ……

Sign: ……

Date: ……..

SELF-DECLARATION FORM

ANTI-CORRUPTION DECLARATION

We (insert the name of the company) _____

Declares and guarantees that no offer, gift or payment, consideration or benefit of any kind, which constitutes an illegal or corrupt practice, has been or will be made to anyone by our organization or agent, either directly or indirectly, as an inducement or reward for the award or execution of this procurement.

In the event the above is contravened we accept that the following to apply-

a) The person shall be disqualified from entering into a contract for the procurement; or

b) If a contract has already been entered into with the person, the contract shall be voidable at the option of EACC.

c) The voiding of a contract by the procuring entity under subsection (b) does not limit any other legal remedy That EACC may have.

Name _____

Signature _____

Date _____

Company Seal/Business Stamp

ANTI-FRAUDULENT PRACTICE

DECLARATION We (insert the name of the company) _____ declares and guarantees that no Person in our organization has or will be involved in a fraudulent practice in any procurement proceeding.

Name _____

Signature _____

Date _____

Company Seal/Business Stamp

NON-DEBARMENT

DECLARATION We (insert the name of the company)

_____

Declares and guarantees that no direct or any person who has any controlling interest in our organization has been debarred from participating in a procurement proceeding.

Name _____

Signature _____

Date _____

Company Seal/Business Stamp

SECTION 3

STANDARD TENDER DOCUMENTS

PROPOSED PROTECTION OF RURII SWAMP FOR GACHIEGE-KANYUANGO WRUA.

CONTENTS:

A	Contents page	(i)
B	Standard Conditions	1-70
	Bill No.1-Preliminaries	
C	Particular Preliminaries	P1 to PP4
D	General Preliminaries	P/5 to GP/16
E	Special Preliminaries	P/17
	Bill No.2- Measured works	
F	Measured Works	BW/18 – BW/34
G	Provisional sums	GS/35
L	Grand Summary	GS/36
M	Technical Evaluation Criteria	CR/1 to CR/4
N	DRAWINGS	

INTRODUCTION

This standard tender document for procurement of works has been prepared for use by procuring entities in Kenya in the procurement of works (i.e.Water Works).

The following guidelines should be observed when using the document:-

(a) Specific details should be furnished in the Invitation to tender and in the special conditions of contract (where applicable). The tender document issued to tenderers should not have blank spaces or options.

(b) The instructions to tenderers and the General Conditions of Contract should remain unchanged. Any necessary amendments to these parts should be made through Appendix to instructions to tenderers and special conditions of contract respectively.

(b) Information contained in the invitation to tender shall conform to the data and information in the tender documents to enable prospective tenderers to decide whether or not to participate in the tender and shall indicate any important tender requirements.

(c) The invitation to tender shall be as an advertisement in accordance with the regulations or a letter of invitation addressed to tenderers who have been prequalified following a request for prequalification.

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

I. Tender number.
II. Tender name.
III. Name of procuring entity.

SECTIONII

INSTRUCTIONS TOTENDERERS

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INSTRUCTIONS TO TENDERERS.

1. General/Eligibility/Qualifications/Joint venture/Cost of tendering

The Employer as defined in the Appendix to Conditions of Contract invites tenders for Works Contract as described in the tender documents. The successful tenderer will be expected to complete the Works by the Intended Completion Date specified in the tender documents.

All tenderers shall provide the Qualification Information, a statement that the tenderer (including all members of a joint venture and subcontractors) is not associated, or has not been associated in the past, directly or indirectly, with the Consultant or any other entity that has prepared the design, specifications, and other documents for the project or being proposed as Project Manager for the Contract. A firm that has been engaged by the Employer to provide consulting services for the preparation or supervision of the Works, and any of its affiliates, shall not be eligible to tender.

All tenderers shall provide in the Form of Tender and Qualification Information, a preliminary description of the proposed work method and schedule, including drawings and charts, as necessary.

In the event that pre-qualification of potential tenderers has been undertaken, only tenders from pre-qualified tenderers will be considered for award of Contract. These qualified tenderers should submit with their tenders any information updating their original pre-qualification applications or, alternatively, confirm in their tenders that the originally submitted pre-qualification information remains essentially correct as of the date of tender submission.

Where no pre-qualification of potential tenderers has been done, all tenderers shall include the following information and documents with their tenders, unless otherwise stated:

(a) copies of original documents defining the constitution or legal status, place of registration, and principal place of business; written power of attorney of the signatory of the tender to commit the tenderer:

(b) Total monetary value of construction work performed for each ofthe last five years:

(c) experience in works of a similar nature and size for each of the last five years, and details of work under way or contractually committed; and names and addresses of clients who may be contacted for further information on these contracts;

(d) Major items of construction equipment proposed to carry out the Contract and an undertaking that they will be available forthe Contract.

(e) Qualifications and experience of key site management and technical personnel proposed for the Contract and an undertaking that they shall be available for the Contract.

(f) reports on the financial standing of the tenderer, such as profit and loss statements and auditor's reports for the past five years;

(g) evidence of adequacy of working capital for this Contract (access to line(s) of credit and availability of other financial resources);

(h) authority to seek references from the tenderer's bankers;

(i) information regarding any litigation, current or during the last five years, in which the tenderer is involved, the parties concerned and disputed amount; and

(j) Proposals for subcontracting components of the Works amounting to more than 10 percent of the Contract Price.

Tenders submitted by a joint venture of two or more firms as partners shall comply with the following requirements, unless otherwise stated:

(a) the tender shall include all the information listed in clause 1.5 above for each joint venture partner;

(b) the tender shall be signed so as to be legally binding on all partners;

(c) all partners shall be jointly and severally liable for the execution of the Contract in accordance with the Contract terms;

(d) one of the partners will be nominated as being in charge, authorized to incur liabilities, and receive instructions for and on behalf of all partners of the joint venture; and

(e) The execution of the entire Contract, including payment, shall be done exclusively with the partner in charge.

To qualify for award of the Contract, tenderers shall meet the following minimum qualifying criteria;

(a) annual volume of construction work of at least 2.5 times the estimated annual cash flow for the Contract;

(b) experience as main contractor in the construction of at least

(c) two works of a nature and complexity equivalent to the Works over the last 10 years (to comply with this requirement, works cited should be at least 70 percent complete);

(d) proposals for the timely acquisition (own, lease, hire, etc.) of the essential equipment listed as required for the Works;

(e) a Contract manager with at least five years' experience in works of an Equivalent nature and volume, including no less than three years as Manager; and

(f) Liquid assets and/or credit facilities, net of other contractual commitments and exclusive of any advance payments which may be made under the Contract, of no less than 4 months of the estimated payment flow under this Contract.

The figures for each of the partners of a joint venture shall be added together to determine the tenderer's compliance with the minimum qualifying criteria of clause 1.7 (a) and (e); however, for a joint venture to qualify, each of its partners must meet at least 25 percent of minimum criteria 1.7 (a), (b) and (e) for an individual tenderer, and the partner in charge at least 40 percent of those minimum criteria. Failure to comply with this requirement will result in rejection of the joint venture's tender. Subcontractors' experience and resources will not be taken into account in determining the tenderer's compliance with the qualifying criteria, unless otherwise stated.

Each tenderer shall submit only one tender, either individually or as a partner in a joint venture. A tenderer who submits or participates in more than one tender (other than as a subcontractor or in cases of alternatives that have been permitted or requested) will cause all the proposals with the tenderer's participation to be disqualified.

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.

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.

The procuring entity's employees, committee members, board members and their relative (spouse and children) are not eligible to participate in the tender.

The price to be charged for the tender document shall not exceed Kshs. 5,000/=

The procuring entity shall allow the tenderer to review the tender document free of charge before purchase.

2. Tender Documents

The complete set of tender documents comprises the documents listed below and any addenda issued in accordance with Clause 2.4.

(a) These Instructions to Tenderers
(b) Form of Tender and Qualification Information
(c) Conditions of Contract
(d) Appendix to Conditions of Contract
(e) Specifications
(f) Drawings
(g) Bills of Quantities
(h) Forms of Securities

The tenderer shall examine all Instructions, Forms to be filled and Specifications in the tender documents. Failure to furnish all information required by the tender documents, or submission of a tender not substantially responsive to the tendering documents in every respect will be at the tenderer's risk and may result in rejection of his tender.

A prospective tenderer making an inquiry relating to the tender documents may notify the Employer in writing or by cable, telex or facsimile at the address indicated in the letter of invitation to tender. The Employer will only respond to requests for clarification received earlier than seven days prior to the deadline for submission of tenders. Copies of the Employer's response will be forwarded to all persons issued with tendering documents, including a description of the inquiry, but without identifying its source.

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.

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

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

The tender submitted by the tenderer shall comprise the following:

(a) These Instructions to Tenderers, Form of Tender, Conditions of Contract, Appendix to Conditions of Contract and Specifications;

(b) Tender Security;

(c) Priced Bill of Quantities ;

(d) Qualification Information Form and Documents;

(e) Alternative offers where invited; and

(f) Any other materials required to be completed and submitted by the tenderers.

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

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

The unit rates and prices shall be in Kenya Shillings.

Tenders shall remain valid for a period of sixty (60) days from the date of submission. However in exceptional circumstances, the Employer may request that the tenderers extend the period of validity for a

Specified additional period. The request and the tenderers' responses shall be made in writing. A tenderer may refuse the request without forfeiting the Tender Security. A tenderer agreeing to the request will not be required or permitted to otherwise modify the tender, but will be required to extend the validity of Tender Security for the period of the extension, and in compliance with Clause 3.7 - 3.11 in all respects.

The tenderer shall furnish, as part of the tender, a Tender Security in the amount and form specified in the appendix to invitation to tenderers. This shall be in the amount not exceeding 2 percent of the tender price

The format of the Tender Security should be in accordance with the form of Tender Security included in Section G - Standard forms or any other form acceptable to the Employer. Tender Security shall be valid for 30 days beyond the validity of the tender.

Any tender not accompanied by an acceptable Tender Security shall be rejected. The Tender Security of a joint venture must define as "Tenderer" all joint venture partners and list them in the following manner: a joint venture consisting of"……," …… ",and "……".

The Tender Securities of unsuccessful tenderers will be returned within 28 days of the end of the tender validity period specified in Clause 3.6.

The Tender Security of the successful tenderer will be discharged when the tenderer has signed the Contract Agreement and furnished the required Performance Security.

The Tender Security may be forfeited

(a) if the tenderer withdraws the tender after tender opening duringthe period of tender validity;

(b) if the tenderer does not accept the correction of the tender price, pursuant to Clause 5.7;

(c) in the case of a successful tenderer, if the tenderer fails withinthe specified time limit to

    (i) sign the Agreement, or

    (ii) Furnish the required Performance Security.

Tenderers shall submit offers that comply with the requirements of the tendering documents, including the basic technical design as

Indicated in the Drawings and Specifications. Alternatives will not be considered, unless specifically allowed in the invitation t o tender. If so allowed, tenderers wishing to offer technical alternatives to the requirements of the tendering documents must also submit a tender that complies with the requirements of the tendering documents, including the basic technical design as indicated in the Drawings and Specifications. In addition to submitting the basic tender, the tenderer shall provide all information necessary for a complete evaluation of the alternative, including design calculations, technical specifications, breakdown of prices, proposed construction methods and other relevant details. Only the technical alternatives, if any, of The lowest evaluated tender conforming t o the basic technical requirements shall be considered.

The tenderer shall prepare one original of the documents comprising the tender documents as described in Clause 3.2 of these Instructions to Tenderers, bound with the volume containing the Form of Tender, and clearly marked "ORIGINAL". In addition, the tenderer shall submit copies of the tender, in the number specified in the invitation to t e n d e r , a n d c l e a r l y m a r k e d a s " COPIES". In the event of discrepancy between them, the original shall prevail.

The original and all copies of the tender shall be typed or written in indelible ink and shall be signed by a person or persons duly authorized to sign on behalf of the tenderer, pursuant to Clause 1.5 (a) or 1.6 (b), as the case may be. All pages of the tender where alterations or additions have been made shall be initialed by the person or persons signing the tender.

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.

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.

The tender security shall be in the amount of 0.5 – 2 per cent of the tender price.

4. Submission of Tenders

The tenderer shall seal the original and all copies of the tender in two inner envelopes and one outer envelope, duly marking the inner envelopes as "ORIGINAL" and "COPIES" as appropriate. The inner and outer envelopes shall:

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(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 datefor tender opening.

Tenders shall be delivered to the Employer at the address specified above not later than the time and date specified in the invitation to tender. However, the Employer may extend the deadline for submission of tenders by issuing an amendment in accordance with Sub-Clause 2.5 in which case all rights and obligations of the Employer and the tenderers previously subject to the original deadline will then be subject to the new deadline.

Any tender received after the deadline prescribed in clause 4.2 will be returned to the tenderer un-opened.

Tenderers may modify or withdraw their tenders by giving notice in writing before the deadline prescribed in clause 4.2. Each tenderer's modification or withdrawal notice shall be prepared, sealed, marked, and delivered in accordance with clause 3.13 and 4.1, with the outer and inner envelopes additionally marked "MODIFICATION "and "WITHDRAWAL", as appropriate. No tender may be modified after the deadline for submission of tenders.

Withdrawal of a tender between the deadline for submission of tenders and the expiration of the period of tender validity specified in the invitation to tender or as extended pursuant to Clause 3.6 may result in the forfeiture of the Tender Security pursuant to Clause 3.11.

Tenderers may only offer discounts to, or otherwise modify the prices of their tenders by submitting tender modifications in accordance with Clause 4.4 or be included in the original tender submission.

5. Tender Opening and Evaluation

The tenders will be opened by the Employer, including modifications made pursuant to Clause 4.4, in the presence of the tenderers' representatives who choose to attend at the time and in the place specified in the invitation to tender. Envelopes marked "WITHDRAWAL" shall be opened and read out first. Tenderers' and Employer's representatives who are present during the opening shall sign a register evidencing their attendance.

The tenderers' names, the tender prices, the total amount of each tender and of any alternative tender (if alternatives have been requested or permitted), any discounts, tender modifications and

Withdrawals, the presence or absence of Tender Security, and such other details as may be considered appropriate, will be announced by the Employer at the opening. Minutes of the tender opening, including the information disclosed to those present will be prepared by the Employer.

Information relating to the examination, clarification, evaluation, and comparison of tenders and recommendations for the award of Contract shall not be disclosed to tenderers or any other persons not officially concerned with such process until the award to the successful tenderer has been announced. Any effort by a tenderer to influence the Employer's officials, processing of tenders or award decisions may result in the rejection of his tender.

To assist in the examination, evaluation, and comparison of tenders, the Employer at his discretion, may ask any tenderer for clarification of the tender, including breakdowns of unit rates. The request for clarification and the response shall be in writing or by cable, telex or facsimile but no change in the price or substance of the tender shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered in the evaluation of the tenders in accordance with Clause 5.7.

Prior to the detailed evaluation of tenders, the Employer will determine whether each tender (a) meets the eligibility criteria defined in Clause 1.7;(b) has been properly signed; (c) is accompanied by the required securities; and (d) is substantially responsive to the requirements of the tendering documents. A substantially responsive tender is one which conforms to all the terms, conditions and specifications of the tendering documents, without material deviation or reservation. A material deviation or reservation is one (a) which affects in any substantial way the scope, quality, or performance of the works; (b) which limits in any substantial way, inconsistent with the tendering documents, the Employer's rights or the tenderer's obligations under the Contract; or (c) whose rectification would affect unfairly the competitive position of other tenderers presenting substantially responsive tenders.

If a tender is not substantially responsive, it will be rejected, and may not subsequently be made responsive by correction or withdrawal of the nonconforming deviation or reservation.

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 andthe amount in words, the amount in words will prevail; and

(b) Where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit

rate as quoted will prevail, unless in the opinion of the Employer, there is an obvious typographical error, in which case the adjustment will be made to the entry containing that error.

(c) In the event of a discrepancy between the tender amount as stated in the Form of Tender and the corrected tender figure in the main summary of the Bill of Quantities, the amount as stated in the Form of Tender shall prevail.

(d) The Error Correction Factor shall be computed by expressing the difference between the tender amount and the corrected tender sum as a percentage of the corrected Builder's Work (i.e. Corrected tender sum less P.C. and Provisional Sums)

(e) The Error Correction Factor shall be applied to all Builder's Work (as a rebate or addition as the case may be) for the purposesof valuations for Interim Certificates and valuation of variations.

(f) The amount stated in the tender will be adjusted in accordance with the above procedure for the correction of errors and, with concurrence of the tenderer, shall be considered as binding upon the tenderer. If the tenderer does not accept the corrected amount, the tender may be rejected and the Tender Security may be forfeited in accordance with clause 3.11.

The Employer will evaluate and compare only the tenders determined to be substantially responsive in accordance with Clause 5.5.

In evaluating the tenders, the Employer will determine for each tender the evaluated tender price by adjusting the tender price as follows:

(a) making any correction for errors pursuant to clause 5.7;

(b) Excluding provisional sums and the provision, if any, for contingencies in the Bill of Quantities, but including Day works where priced competitively.

(c) making an appropriate adjustment for any other acceptable variations, deviations, or alternative offers submitted in accordance with clause 3.12; and

(d) making appropriate adjustments to reflect discounts or other price modifications offered in accordance with clause 4.6

The Employer reserves the right to accept or reject any variation, deviation, or alternative offer. Variations, deviations, and alternative offers and other factors which are in excess of the requirements of the tender documents or otherwise result in unsolicited benefits for the Employer will not be taken into account in tender evaluation.

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.

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

6. Award of Contract

Subject to Clause 6.2, the award of the Contract will be made to the tenderer whose tender has been determined to be substantially responsive to the tendering documents and who has offered the lowest evaluated tender price, provided that such tenderer has been determined to be (a) eligible in accordance with the provision of Clauses 1.2, and (b) qualified in accordance with the provisions of clause 1.7 and 1.8.

Notwithstanding clause 6.1 above, the Employer reserves the right to accept or reject any tender, and to cancel the tendering process and reject all tenders, at any time prior to the award of Contract, without thereby incurring any liability to the affected tenderer or tenderers or any obligation to inform the affected tenderer or tenderers of the grounds for the action.

The tenderer whose tender has been accepted will be notified of the award prior to expiration of the tender validity period in writing or by cable, telex or facsimile. This notification (hereinafter and in all Contract documents called the “Letter of Acceptance”) will state the sum (hereinafter and in all Contract documents called the “Contract Price”) that the Employer will pay the Contractor in consideration of the execution, completion, and maintenance of the Works by the Contractor as prescribed by the Contract. At the same time the other tenderers shall be informed that their tenders have not been successful.

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

The Agreement will incorporate all agreements between the Employer and the successful tenderer. Within 14 days of receipt the successful tenderer will sign the Agreement and return it to the Employer.

Within 21 days after receipt of the Letter of Acceptance, the successful tenderer shall deliver to the Employer a Performance Security in the amount stipulated in the Appendix to Conditions of Contract and in the form stipulated in the Tender documents. The Performance Security shall be in the amount and specified form

Failure of the successful tenderer to comply with the requirements of clause 6.5 shall constitute sufficient grounds for cancellation of the award and forfeiture of the Tender Security.

Upon the furnishing by the successful tenderer of the Performance Security, the Employer will promptly notify the other tenderers that their tenders have been unsuccessful.

Preference where allowed in the evaluation of tenders shall not be allowed for contracts not exceeding one year (12 months)

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

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.

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

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

Price variation request shall be processed by the procuring entity within 30 days of receiving the request.

The procuring entity may at any time terminate procurement proceedings before contract award and shall not be liable to any person for the termination.

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.

A tenderer who gives false information in the tender document about its qualification or who refuses to enter into a contract after notification of contract award shall be considered for debarment from participating in future public procurement.

7. Corrupt and Fraudulent practices

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

SECTION III CONDITIONS OF CONTRACT

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CONDITIONS OF CONTRACT

1. Definitions

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

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

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

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

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

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

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

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

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

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

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

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

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

"Day works" are Work inputs subject to payment on a time basis for Labour and the associated materials and plant.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

2. Interpretation

In interpreting these Conditions of Contract, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their normal meaning in English Language unless specifically defined. The Project Manager will provide instructions clarifying queries about these Conditions of Contract.

If sectional completion is specified in the Appendix to Conditions of Contract, reference in the Conditions of Contract to the Works, the Completion Date and the Intended Completion Date apply to any section of the Works (other than references to the Intended Completion Date for the whole of the Works).

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

(1) Agreement,

(2) Letter of Acceptance,

(3) Contractor's Tender,

(4) Appendix to Conditions of Contract,

(5) Conditions of Contract,

(6) Specifications,

(7) Drawings,

(8) Bill of Quantities,

(9) Any other documents listed in the Appendix to Conditions of Contract as forming part of the Contract.

Immediately after the execution of the Contract, the Project Manager

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

3. Language and Law

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

4 Project Manager's Decisions

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

5 Delegation

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

6 Communications

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

7 Subcontracting

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

8 Other Contractors

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

9 Personnel

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

10 Works

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

11 Safety and Temporary Works

The Contractor shall be responsible for the design of temporary works. However before erecting the same, he shall submit his designs including specifications and drawings to the Project Manager and to any other relevant third parties for their approval. No erection of temporary works shall be done until such approvals are obtained.

The Project Manager's approval shall not alter the Contractor's responsibility for design of the Temporary works and all drawings prepared by the Contractor for the execution of the temporary or permanent Works, shall be subject to prior approval by the Project Manager before they can be used.

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

12. Discoveries

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

13. Work Program

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

The Contractor shall submit to the Project Manager for approval an updated program at intervals no longer than the period stated in the Appendix to Conditions of Contract. If the Contractor does not submit an updated program within this period, the Project Manager may withhold the amount stated in the said Appendix from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue program has been submitted. The Project Manager's approval of the program shall not alter the Contractor's obligations. The Contractor may revise the program and submit it to the Project Manager again at any time. A revised program shall show the effect of Variations and Compensation Events.

14. Possession of Site

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

15. Access to Site

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

16. Instructions

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

17. Extension or Acceleration of Completion Date

The Project Manager shall extend the Intended Completion Date if a Compensation Event occurs or a variation is issued which makes it impossible for completion to be achieved by the Intended Completion Date without the Contractor taking steps to accelerate the remaining Work, which would cause the Contractor to incur additional cost. The

Project Manager shall decide whether and by how much to extend the Intended Completion Date within 21 days of the Contractor asking the Project Manager in writing for a decision upon the effect of a Compensation Event or variation and submitting full supporting information. If the Contractor has failed to give early warning of a delay or has failed to cooperate in dealing with a delay, the delay caused by such failure shall not be considered in assessing the new (extended) Completion Date.

No bonus for early completion of the Works shall be paid to the Contractor by the Employer.

18. Management Meetings

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

19. Early Warning

The Contractor shall warn the Project Manager at the earliest opportunity of specific likely future events or circumstances that may adversely affect the quality of the Work, increase the Contract Price or delay the execution of the Works. The Project Manager may require the Contractor to provide an estimate of the expected effect of the future event or circumstance on the Contract Price and Completion Date. The estimate shall be provided by the Contractor as soon as reasonably possible.

The Contractor shall cooperate with the Project Manager in making and considering proposals on how the effect of such an event or circumstance can be avoided or reduced by anyone involved in the Work and in carrying out any resulting instructions of the Project Manager.

20. Defects

The Project Manager shall inspect the Contractor's work and notify the Contractor of any defects that are found. Such inspection shall not affect the Contractor's responsibilities. The Project Manager may instruct the Contractor to search for a defect and to uncover and test

Any Work that the Project Manager considers may have a defect. Should the defect be found, the cost of uncovering and making good shall be borne by the Contractor, However, if there is no defect found, the cost of uncovering and making good shall be treated as a variation and added to the Contract Price.

The Project Manager shall give notice to the Contractor of any defects before the end of the Defects Liability Period, which begins at Completion, and is defined in the Appendix to Conditions of Contract. The Defects Liability Period shall be extended for as long as defects remain to be corrected.

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

21. Bills Of Quantities

The Bills of Quantities shall contain items for the construction, installation, testing and commissioning of the Work to be done by the Contractor. The Contractor will be paid for the quantity of the Work done at the rate in the Bills of Quantities for each item.

If the final quantity of the Work done differs from the quantity in the Bills of Quantities for the particular item by more than 25 percent and provided the change exceeds 1 percent of the Initial Contract price, the Project Manager shall adjust the rate to allow for the change.

If requested by the Project Manager, the Contractor shall provide the Project Manager with a detailed cost breakdown of any rate in the Bills of Quantities.

22. Variations

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

The Contractor shall provide the Project Manager with a quotation for carrying out the variations when requested to do so. The Project Manager shall assess the quotation, which shall be given within seven days of the request or within any longer period as may be stated by the Project Manager and before the Variation is ordered.

If the work in the variation corresponds with an item description in the Bills of Quantities and if in the opinion of the Project Manager, the quantity of work is not above the limit stated in Clause 21.2 or the timing of its execution does not cause the cost per unit of quantity to change, the rate in the Bills of Quantities shall be used to calculate the value of the variation. If the cost per unit of quantity changes, or
if the nature or timing of the work in the variation does not correspond with items in the Bills of Quantities, the quotation by the Contractor shall be in the form of new rates for the relevant items of Work.

If the Contractor's quotation is unreasonable, the Project Manager may order the variation and make a change to the Contract price, which shall be based on the Project Manager's own forecast of the effects of the variation on the Contractor's costs.

If the Project Manager decides that the urgency of varying the Work would prevent a quotation being given and considered without delaying the Work, no quotation shall be given and the variation shall be treated as a Compensation Event.

The Contractor shall not be entitled to additional payment for costs that could have been avoided by giving early warning.

When the Program is updated, the Contractor shall provide the Project Manager with an updated cash flow forecast.

23. Payment Certificates, Currency of Payments and Advance Payments

The Contractor shall submit to the Project Manager monthly applications for payment giving sufficient details of the Work done and materials on Site and the amounts which the Contractor considers himself to be entitled to. The Project Manager shall check the monthly application and certify the amount to be paid to the Contractor within 14 days. The value of Work executed and payable shall be determined by the Project Manager.

The value of Work executed shall comprise the value of the quantities of the items in the Bills of Quantities completed, materials delivered on Site, variations and compensation events. Such materials shall become the property of the Employer once the Employer has paid the Contractor for their value. Thereafter, they shall not be removed from Site without the Project Manager's instructions except for use upon the Works.

Payments shall be adjusted for deductions for retention. The Employer shall pay the Contractor the amounts certified by the Project Manager within 30 days of the date of issue of each

certificate. If the Employer makes a late payment, the Contractor shall be paid simple interest on the late payment in the next payment. Interest shall be calculated on the basis of number of days delayed at a rate three percentage points above the Central Bank of Kenya's average rate for base lending prevailing as of the first day the payment becomes overdue.

If an amount certified is increased in a later certificate or as a result of an award by an Arbitrator, the Contractor shall be paid interest upon the delayed payment as set out in this clause. Interest shall be calculated from the date upon which the increased amount would have been certified in the absence of dispute.

Items of the Works for which no rate or price has been entered in will not be paid for by the Employer and shall be deemed covered by other rates and prices in the Contract.

The Contract Price shall be stated in Kenya Shillings. All payments to the Contractor shall be made in Kenya Shillings and foreign currency in the proportion indicated in the tender, or agreed prior to the execution of the Contract Agreement and indicated therein. The rate of exchange for the calculation of the amount of foreign currency payment shall be the rate of exchange indicated in the Appendix to Conditions of Contract. If the Contractor indicated foreign currencies for payment other than the currencies of the countries of origin of related goods and services the Employer reserves the right to pay the equivalent at the time of payment in the currencies of the countries of such goods and services. The Employer and the Project Manager shall be notified promptly by the Contractor of an changes in the expected foreign currency requirements of the Contractor during the execution of the Works as indicated in the Schedule of Foreign Currency Requirements and the foreign and local currency portions of the balance of the Contract Price shall then be amended by agreement between Employer and the Contractor in order to reflect appropriately such changes.

In the event that an advance payment is granted, the following shall apply:-

a) On signature of the Contract, the Contractor shall at his request, and without furnishing proof of expenditure, be entitled to an advance of 10% (ten percent) of the original amount of the Contract. The advance shall not be subject to retention money.

b) No advance payment may be made before the Contractor has submitted proof of the establishment of deposit or a directly

Liable guarantee satisfactory to the Employer in the amount of the advance payment. The guarantee shall be in the same currency as the advance.

c) Reimbursement of the lump sum advance shall be made by deductions from the Interim payments and where applicable from the balance owing to the Contractor. Reimbursement shall begin when the amount of the sums due under the Contract reaches 20% of the original amount of the Contract. It shall have been completed by the time 80% of this amount is reached.

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

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

Where:

R = the amount to be reimbursed

A = the amount of the advance which has been granted

X_1 = the amount of proposed cumulative payments as a percentage of the original amount of the Contract. This figure will exceed 20% but not exceed 80%.

X_{11} = the amount of the previous cumulative payments as a percentage of the original amount of the Contract. This figure will be below 80%but not less than 20%.

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

24. Compensation Events

The following issues shall constitute Compensation Events:

(a) The Employer does not give access to a part of the Site by the Site Possession Date stated in the Appendix to Conditions of Contract.

(b) The Employer modifies the List of Other Contractors, etc., in a way that affects the Work of the Contractor under the Contract.

(c) The Project Manager orders a delay or does not issue drawings, specifications or instructions required for execution of the Works on time.

(d) The Project Manager instructs the Contractor to uncover or to carry out additional tests upon the Work, which is then found to have no defects.

(e) The Project Manager unreasonably does not approve a subcontract to be let.

(f) Ground conditions are substantially more adverse than could reasonably have been assumed before issuance of the Letter of Acceptance from the information issued to tenderers (including the Site investigation reports), from information available publicly and from a visual inspection of the Site.

(g) The Project Manager gives an instruction for dealing with an unforeseen condition, caused by the Employer or additional work required for safety or other reasons.

(h) Other contractors, public authorities, utilities, or the Employer does not work within the dates and other constraints stated inthe Contract, and they cause delay or extra cost to the Contractor.

(i) The effects on the Contractor of any of the Employer's risks.

(j) The Project Manager unreasonably delays issuing a Certificate of Completion.

(k) Other compensation events described in the Contract or determined by the Project Manager shall apply.

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

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

The Contractor shall not be entitled to compensation to the extent that the Employer's interests are adversely affected by the Contractor

not having given early warning or not having co-operated with the Project Manager.

Prices shall be adjusted for fluctuations in the cost of inputs only if provided for in the Appendix to Conditions of Contract.

The Contractor shall give written notice to the Project Manager of his intention to make a claim within thirty days after the event giving rise to the claim has first arisen. The claim shall be submitted within thirty days thereafter.

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

25. Price Adjustment

The Project Manager shall adjust the Contract Price if taxes, duties and other levies are changed between the date 30 days before the submission of tenders for the Contract and the date of Completion. The adjustment shall be the change in the amount of tax payable by the Contractor.

The Contract Price shall be deemed to be based on exchange rates current at the date of tender submission in calculating the cost to the Contractor of materials to be specifically imported (by express provisions in the Contract Bills of Quantities or Specifications) for permanent incorporation in the Works. Unless otherwise stated in the Contract, if at any time during the period of the Contract exchange rates shall be varied and this shall affect the cost to the Contractor of such materials, then the Project Manager shall assess the net difference in the cost of such materials. Any amount from time to time so assessed shall be added to or deducted from the Contract Price, as the case may be.

Unless otherwise stated in the Contract, the Contract Price shall be deemed to have been calculated in the manner set out below and in sub-clauses 25.4 and 25.5 and shall be subject to adjustment in the events specified thereunder;

(i) The prices contained in the Contract Bills of Quantities shall be deemed to be based upon the rates of wages and other emoluments and expenses as determined by the Joint Building Council of Kenya (J.B.C.) and set out in the schedule of basic rates issued 30 days before the date for submission of tenders. A copy of the schedule used by the Contractor in his pricing shall be attached in the Appendix to Conditions of Contract.

(ii) Upon J.B.C. determining that any of the said rates of wages or other emoluments and expenses are increased or decreased, then the Contract Price shall be increased or decreased by the amount assessed by the Project Manager based upon the difference, expressed as a Percentage, between the rate set out in the schedule of basic rates issued 30 days before the date for submission of tenders and the rate published by the J.B.C. and applied to the quantum of labour incorporated within the amount of Work remaining to be executed at the date of publication of such increase or decrease.

(iii) No adjustment shall be made in respect of changes in the rates of wages and other emoluments and expenses which occur after the date of Completion except during such other period as may be granted as an extension of time under clause 17.0 of these Conditions.

The prices contained in the Contract Bills of Quantities shall be deemed to be based upon the basic prices of materials to be permanently incorporated in the Works as determined by the J.B.C. and set out in the schedule of basic rates issued 30 days before the date for submission of tenders. A copy of the schedule used by the Contractor in his pricing shall be attached in the Appendix to Conditions of Contract.

Upon the J.B.C. determining that any of the said basic prices are increased or decreased then the Contract Price shall be increased or decreased by the amount to be assessed by the Project Manager based upon the difference between the price set out in the schedule of basic rates issued 30 days before the date for submission of tenders and the rate published by the J.B.C. and applied to the quantum of the relevant materials which have not been taken into account in arriving at the amount of any interim certificate under clause 23 of these Conditions issued before the date of publication of such increase or decrease.

No adjustment shall be made in respect of changes in basic prices of materials which occur after the date for Completion except during such other period as may be granted as an extension of time under clause 17.0 of these Conditions.

The provisions of sub-clause 25.1 to 25.2 herein shall not apply in respect of any materials included in the schedule of basic rates.

26. Retention

The Employer shall retain from each payment due to the Contractor the proportion stated in the Appendix to Conditions of Contract until Completion of the whole of the Works. On Completion of the whole of

the Works, half the total amount retained shall be repaid to the Contractor and the remaining half when the Defects Liability Period has passed and the Project Manager has certified that all defects notified to the Contractor before the end of this period have been corrected.

27. Liquidated Damages

The Contractor shall pay liquidated damages to the Employer at the rate stated in the Appendix to Conditions of Contract for each day that the actual Completion Date is later than the Intended Completion Date. The Employer may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages shall not alter the Contractor's liabilities.

If the Intended Completion Date is extended after liquidated damages have been paid, the Project Manager shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment certificate. The Contractor shall be paid interest on the overpayment, calculated from the date of payment to the date of repayment, at the rate specified in Clause 23.30

28. Securities

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

29. Dayworks

If applicable, the Dayworks rates in the Contractor's tender shall be used for small additional amounts of Work only when the Project Manager has given written instructions in advance for additional work to be paid for in that way.

All work to be paid for as Dayworks shall be recorded by the Contractor on Forms approved by the Project Manager. Each completed form shall be verified and signed by the Project Manager within two days of the Work being done.

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

30. Liability and Insurance

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

31. Completion and taking over

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

32. Final Account

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

33. Termination

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 shown on the current program and authorized by the Project Manager; When no stoppage of work is the stoppage has not been

(b) the Project Manager instructs the Contractor to delay the progress of the Works, and the instruction is not withdrawn within 30 days;

(c) the Contractor is declared bankrupt or goes into liquidation other than for a reconstruction or amalgamation;

(d) A payment certified by the Project Manager is not paid by the Employer to the Contractor within 30 days (for Interim Certificate) or 60 days (for Final Certificate) of issue.

(e) the Project Manager gives notice that failure to correct a particular defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Project Manager;

(f) The Contractor does not maintain a security, which is required.

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

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

If the Contract is terminated, the Contractor shall stop work immediately, make the Site safe and secure, and leave the Site as soon as reasonably possible. The Project Manager shall immediately thereafter arrange for a meeting for the purpose of taking record of the Works executed and materials, goods, equipment and temporary buildings on Site.

34. Payment Upon Termination

If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Project Manager shall issue a certificate for the value of the Work done and materials ordered and delivered to Site up to the date of the issue of the certificate. Additional liquidated damages shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor, the difference shall be a debt payable by the Contractor.

If the Contract is terminated for the Employer's convenience or because of a fundamental breach of Contract by the Employer, the

Project Manager shall issue a certificate for the value of the Work done, materials ordered, the reasonable cost of removal of equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works.

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

The Contractor shall, during the execution or after the completion of the Works under this clause remove from the Site as and when required, within such reasonable time as the Project Manager may in writing specify, any temporary buildings, plant, machinery, appliances, goods or materials belonging to or hired by him, and in default the Employer may (without being responsible for any loss or damage) remove and sell any such property of the Contractor, holding the proceeds less all costs incurred to the credit of the Contractor. Until after completion of the Works under this clause the Employer shall not be bound by any other provision of this Contract to make any payment to the Contractor, but upon such completion as aforesaid and the verification within a reasonable time of the accounts therefore the Project Manager shall certify the amount of expenses properly incurred by the Employer and, if such amount added to the money paid to the Contractor before such determination exceeds the total amount which would have been payable on due completion in accordance with this Contract the difference shall be a debt payable to the Employer by the Contractor; and if the said amount added to the said money be less than the said total amount, the difference shall be a debt payable by the Employer to the Contractor.

35. Release from Performance

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

36. Corrupt gifts and payments of commission The

Contractor shall not;

(a) Offer or give or agree to give to any person in the service of the

Employer any gift or consideration of any kind as an inducement or reward for doing or forbearing to do or for having done or forborne to

Do any act in relation to the obtaining or execution of this or any other Contract for the Employer or for showing or forbearing to show favour or disfavor to any person in relation to this or any other contract for the Employer.

(b) Enter into this or any other contract with the Employer in connection with which commission has been paid or agreed to be paid by him oron his behalf or to his knowledge, unless before the Contract is made particulars of any such commission and of the terms and conditions of any agreement for the payment thereof have been disclosed in writing to the Employer.

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

37. Settlement Of Disputes

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

(i) Architectural Association of Kenya

(ii) Institute of Quantity Surveyors of Kenya

(iii) Association of Consulting Engineers of Kenya

(iv) Chartered Institute of Arbitrators (Kenya Branch)

(v) Institution of Engineers of Kenya

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

The arbitration may be on the construction of this Contract or on any matter or thing of whatsoever nature arising thereunder or in connection therewith, including any matter or thing left by this

Contract to the discretion of the Project Manager, or the withholding by the Project Manager of any certificate to which the Contractor may claim to be entitled to or the measurement and valuation referred to in clause 23.0 of these conditions, or the rights and liabilities of the parties subsequent to the termination of Contract.

Provided that no arbitration proceedings shall be commenced on any dispute or difference where notice of a dispute or difference has not been given by the applying party within ninety days of the occurrence or discovery of the matter or issue giving rise to the dispute.

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

Notwithstanding anything stated herein the following matters may be referred to arbitration before the practical completion of the Works or abandonment of the Works or termination of the Contract by either party:

The appointment of a replacement Project Manager upon the said person ceasing to act.

Whether or not the issue of an instruction by the Project Manager is empowered by these Conditions.

Whether or not a certificate has been improperly withheld or is not in accordance with these Conditions.

Any dispute or difference arising in respect of war risks or war damage.

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

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

The Arbitrator shall, without prejudice to the generality of his powers,

have powers to open up, review and revise any certificate, opinion, decision, requirement or notice and to determine all matters in dispute which shall be submitted to him in the same manner as if no such certificate, opinion, decision requirement or notice had been given.

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

SECTION V - 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.

SECTION VI - DRAWINGS

Note 1. A list of drawings should be inserted here

2. The actual drawings including Site plans should be annexed in a separate booklet.

SECTION VII - BILL OF QUANTITIES

Notes for preparing Bills of Quantities

The objectives of the Bills of Quantities are;

(a) to provide sufficient information on the quantities of Works to be performed to enable tenders to be prepared efficiently and accurately; and

(b) when a Contract has been entered into, to provide a priced Bill of Quantities for use in the periodic valuation of Works executed.

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

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

(a) Preliminaries.

The preliminaries should indicate the inclusiveness of the unit prices, and should state the methods of measurement which have been adopted in the preparation of the Bill of Quantities and which are to be used for the measurement of any part of the Works.

The number of preliminary items to be priced by the tenderer should be Limited to tangible items such as site office and other temporary works, otherwise items such as security for the Works which are primarily part of the Contractor's obligations should be included in the Contractor's rates.

(b) Work Items

(i) The items in the Bills of Quantities should be grouped intosections to distinguish between those parts of the Works which by nature, location, access, timing, or any other special characteristics may give rise to different methods of construction, or phasing of the Works, or considerations of cost. General items common to all parts of the Works may be grouped as a separate section in the Bill of Quantities.

(ii) Quantities should be computed net from the Drawings, unless directed otherwise in the Contract, and no allowance should be made for bulking, shrinkage or waste. Quantities should be rounded up or down where appropriate.

(iii) The following units of measurement and abbreviations are recommended for use.

Unit	Abbreviation	Unit	Abbreviation
cubic meter	m_3 or cu m	millimeter	mm
hectare	ha	month	mon
hour	h	number	nr
kilogram	kg	square meter	m_2 or sq m
lump sum	sum	square millimeter	mm_2 or sq mm
meter	m	week	wk
metric ton (1,000 kg)	t		

(iv) The commencing surface should be identified in the description of each item for Work involving excavation, boring or drilling, for which the commencing surface is not also the original surface. The excavated surfaceshould be identified in the description of each item for Work involving excavation for which the excavated surface is not also the final surface. The depths of Work should be measured from the commencing surface to the excavated surface, as defined.

(c) Daywork Schedule

A Daywork Schedule should be included if the probability of unforeseen work, outside the items included in the Bill of Quantities, is relatively high. To facilitate checking by the Employer of the realism of rates quoted by the tenderers, the Daywork Schedule should normally comprise:

(i) a list of the various classes of labour, and materials for which basic Day work rates or prices are to be inserted by the tenderer, together with a statement of the conditions under which the Contractor will be paid for Work executed on a Day work basis; and

(ii) a percentage to be entered by the tenderer against each basic Day work Subtotal amount for labour, materials and plant representing the Contractor's profit, overheads, supervision and other charges.

(d) Provisional Quantities and Sums

(i) Provision for quantity contingencies in any particular item or class of Work with a high expectation of quantity overrun should be made by entering specific "Provisional Quantities" or "Provisional Items" in the Bill of Quantities, and not by increasing the quantities for that item or class of Work beyond those of the Work normally expected to be required. To the extent not covered above, a general provision for physical contingencies (quantity overruns) should be made by including a "Provisional Sum" in the Summary of the Bill

of Quantities. Similarly, a contingency allowance for possible price increases should be provided as a "Provisional Sum" in the Summary of the Bill of Quantities. The inclusion of such provisional sums often

Facilitates budgetary approval by avoiding the need to request periodic supplementary approvals as the future need arises.

(ii) Provisional sums to cover specialized works normally carried out by Nominated Sub Contractors should be avoided and instead Bills of Quantities of the specialized Works should be included as a section of the main Bills of Quantities to be priced by the Main Contractor. The Main Contractor should be required to indicate the name (s) of

The specialized firms he proposes to engage to carry out the specialized Works as his approved domestic sub-contractors. Only provisional sums to cover specialized Works by statutory authorities should be included in the Bills of Quantities.

(e) Summary

The Summary should contain a tabulation of the separate parts of the Bills of Quantities carried forward, with provisional sums for Daywork, for physical (quantity) contingencies, and for price contingencies (upward price adjustment) where applicable.

SECTION VIII – STANDARD FORM

(i) Form of Invitation for Tenders
(ii) Form of Tender
(iii) Letter of Acceptance
(iv) Form of Agreement
(v) Form of Tender Security
(vi) Performance Bank Guarantee
(vii) Bank Guarantee for Advance Payment
(viii) Qualification Information
(ix) Tender Questionnaire
(xi) Confidential Business Questionnaire

(x) Statement of Foreign Currency Requirement
(xi) Details of Sub-Contractors
(x) Request for Review Form

FORM OF INVITATION FOR TENDERS

_____[date]

To: _____[name of Contractor]
_____[address]
_____
_____

Dear Sirs:

Reference:_____[Contract Name]

You have been prequalified to tender for the above project.

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

A complete set of tender documents may be purchased by you from _____
_____
[Mailing address, cable/telex/facsimile numbers].

Upon payment of a non-refundable fee of Kshs _____

All tenders must be accompanied by _____number of copies of the same and a security in the form and amount specified in the tendering documents, and must be delivered to
_____
[Address and location]

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

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

Yours faithfully,

_____Authorized Signature

_____Name and Title

FORM OF TENDER

TO: _____[Name of Employer)
_____[Name of Contract] _____[Date]

Dear Sir,

1. In accordance with the Conditions of Contract, Specifications, Drawings and Bills of Quantities for the execution of the above named Works, we, the undersigned offer to construct, install and complete such Works and remedy any defects therein for the sum ofKshs. ___ [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 t e n d e r until _____[Insert date], and it shall remain binding upon us and may be accepted at any time before that date.

4. Unless and until a formal Agreement is prepared and executed this tender together with your written acceptance thereof, shall constitute a binding Contract between us.

5. We understand that you are not bound to accept the lowest or any tender you may receive.

Dated this _____day of _____20_____

Signature _____in the capacity of _____

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

Witness; Name _____

Address _____

Signature _____

Date_____

LETTER OF ACCEPTANCE

[Letter head 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 i n 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 a n d T i t l e o f S i g n a t o r y .....

Attachment: Agreement

FORM OF AGREEMENT

THIS AGREEMENT, made the _____day of _____20_____
between _____of [or whose
registered office is situated at] _____
(Hereinafter called "the Employer") of the one part AND
_____Of [or whose
registered office is situated at] _____
(Hereinafter called "the Contractor") of the other part.

WHEREAS THE Employer is desirous that the Contractor executes
_____
(Name and identification number of Contract) (Hereinafter called "the Works")
located at _____[Place/location of the Works] and the
Employer has accepted the tender submitted by the Contractor for the execution and
completion of such Works and the remedying of any defects therein for the
Contract Price of Kshs _____[Amount in figures], Kenya
Shillings _____[Amount in words].

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.

2. The following documents shall be deemed to form and shall be read and construed as part of this Agreement i.e.

   (i) Letter of Acceptance

   (ii) Form of Tender

   (iii) Conditions of Contract Part I

   (iv) Conditions of Contract Part II and Appendix to Conditions of Contract

   (v) Specifications

   (vi) Drawings

   (vii) Priced Bills of Quantities

3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all respects with the provisions of the contract.

4. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and theremedying 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 of .....20.....

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 withthe 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 recognized 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 figurers] Kenya Shillings _____[amount of Guarantee in words].

We, _____[bank or financial institution], as instructed by the Contractor, agree unconditionally and irrevocably to guarantee as primary obligator and not as Surety merely, the payment to _____[name of Employer] on his first demand without whatsoever right of objection on our part and without his first claim to the Contractor, in the amount not exceeding Kshs _____[amount of

Guarantee in figures] Kenya Shillings _____[amount of Guarantee in words], such amount to be reduced periodically by the amounts recovered by you from the proceeds of the Contract.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed thereunder or of any of the Contract documents which may be made between _____[name

of Employer] and the Contractor, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

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

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

Yours faithfully,

Signature and Seal _____

Name of the Bank or financial institution _____

Address _____

Date _____

Witness: Name: _____

Address: _____

Signature: _____

Date: _____

QUALIFICATION INFORMATION

1. Individual Tenderers or Individual Members of Joint Ventures

Constitution or legal status of tenderer (attach copy or Incorporation Certificate);
Place of registration: _____

Principal place of business _____

Power of attorney of signatory of tender _____

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

Year	Volume	
	Currency	Value

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

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

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

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

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

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

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

_____

_____

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

_____

_____

_____

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

_____

_____

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

_____

_____

_____

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

2 Joint Ventures

The information listed in 1.1 – 1.10 above shall be provided for each partner of the joint venture.

The information required in 1.11 above shall be provided for the joint venture.

Attach the power of attorney of the signatory(ies) of the tender authorizing signature of the tender on behalf of the joint venture

Attach the Agreement among all partners of the joint venture (and which is legally binding on all partners), which shows that:

a) all partners shall be jointly and severally liable for the execution of the Contract in accordance with the Contract terms;

b) one of the partners will be nominated as being in charge, authorized to incur liabilities and receive instructions for and on behalf of any and all partners of the joint venture; and

c) The execution of the entire Contract, including payment, shall be done exclusively with the partner in charge.

TENDER QUESTIONNAIRE

Please fill in block letters.

1. Full names of tenderer

   ……

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

   ……

3. Telephone number (s) of tenderer

   ……

4. Telex address of tenderer

   ……

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

   ……

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

   ……

   ……

_____
Signature of Tenderer

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

CONFIDENTIAL BUSINESS QUESTIONNAIRE

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

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

Part 1 – General

Business Name .....

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

Plot No..... Street/Road .....

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

Nature of Business.....

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

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

Name of your bankers.....

Branch.....

Part 2 (a) – Sole Proprietor

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

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

*Citizenship details .....

Part 2 (b) – Partnership

Give details of partners as follows:

	Name in full	Nationality	Citizenship Details	Shares
1.				
2.				
3.				

Part 2(c) – Registered Company:

Private or public.....

State the nominal and issued capital of the Company-

Nominal Kshs.....

Issued Kshs.....

Give details of all directors as follows:

Name in full. Nationality. Citizenship Details*. Shares.

1.
.....

2.
.....

3.
.....

4.
.....

Part 2(d) – Interest in the Firm:

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

I certify that the information given above is correct.

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

Attach proof of citizenship

STATEMENT OF FOREIGN CURRENCY REQUIREMENTS

(See Clause 23] of the Conditions of Contract)

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

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

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

Currency in which foreign exchange element is required:

.....

Date: The ..... Day of ..... 20.....

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

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

_____
(Signature of Tenderer)

DETAILS OF SUB-CONTRACTORS

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

Failure to comply with this requirement may invalidate the tender.

(1) Portion of Works to be sublet…

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

.....

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

.....

.....

(2) Portion of Works to sublet: .....

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

.....

.....

(ii) Sub-contractor's experience of similar works carried outin the last 3 years with
contract value: .....

.....

_____ _____
[Signature of Tenderer) Date

LETTER OF NOTIFICATION OF AWARD

Address of Procuring Entity

_____

_____

To:_____

_____

_____

_____

RE: Tender No. _____

Tender Name _____

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

_____

_____

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

2. The contract/contracts shall be signed by the parties within 30 days of the date of this letter but not earlier than 14 days from the date of the letter.

3. You may contact the officer(s) whose particulars appear below on the subject matter of this letter of notification of award.

   (FULL PARTICULARS)_____

   _____

SIGNED FOR ACCOUNTING OFFICER

FORM RB 1

REPUBLIC OF KENYA

PUBLIC PROCUREMENT ADMINISTRATIVE REVIEW BOARD

APPLICATION NO…….OF…….20……...

BETWEEN

…….APPLICANT

AND

……RESPONDENT (Procuring Entity)

Request for r e v i e w o f the d e c i s i o n o f t h e …… (Name of t h e Procuring Entity) of ……dated…..…day of……...20……. in t h e m a t t e r o f Tender N O ; … … … … … … … … 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 of ……..20……

SIGNED

Board Secretary

SECTION 4

PREAMBLES, PRICING NOTES AND BQ

EXECUTIVE SUMMARY

Gachiege WRUA is in Kathita Mutonga Sub-Region, Tana catchment area and falls under the Kathita Mutonga sub-drainage basin management unit 4F. Gachiege river originates from Mt. Kenya forest and flows a distance of about 60 kilometers before it joins Kathita at Gachua area. The boundary passes through two sub counties North Imenti and South Imenti. The northern boundary is marked by Mount Kenya forest and the southern boundary is marked by Charia market.

Gachiege sub-catchment receives rainfall in two seasons; long rains in October-December and short rains March – May. The average annual rainfall is 1800mm. Thus Gachiege river is perennial. However during the dry months of February, March, August and September, the water levels are usually very low occasioned by high volumes of water abstractions to support various demands including domestic and irrigation.

Rurii swamp is a wetland within the catchment and recharges Gachiege river. It has also attracted a number of farmers who have continued to encroach it and use the water for irrigation in unsustainable manner.

Thus to save it from extinction, Gachiege WRUA has made concerted effort to conserving the swamp. One such effort is to protect it by fencing it off so that it's not encroached and growing trees. This way the vegetation cover would regenerate; subsequently increasing the amount of water thereof and also improving the quality.

The main objective of this design report is to highlight on the status of the swamp and seek funding for protection of the same. If accepted and the proposal implemented it will go along way into increasing the amount of water in the catchment and serve the community in a sustainable manner.

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3. Area of the swamp 77

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10. Design and Layout plan

APPENDICES

Appendix 1: Sketch map of Rurii swamp and surrounding area
Appendix 2: Copy of the green card

DESIGN REPORT FOR THE PROTECTION OF RURII SWAMP

The report includes an insight into the details of the swamp, survey report and bill of quantities for the proposed fencing of the swamp.

Administrative location of the swamp

Rurii swamp is on land parcel No. Nyaki/Giaki/188. This is in Kioru village, Kirima Itune Location, Nyaki East division, Imenti North sub county, Meru County.

Ownership of the swamp

Rurii swamp is registered under Meru County Council and reserved for the swamp. There is legal provision that Water Resources Users can participate in conservation of the catchment. For this matter, this Gachiege WRUA has come to conserve the same. See attached copy of green card.

Area of the swamp

The area of the swamp is approximately 80.50 acres with a perimeter of about 3016 meters.

Characteristics of the swamp

The vegetation consists of locally available grass and hard trees. There are on the minimum three stables springs therein. There are rivers originating from the swamp; one of them draining into Kathita river.

GPS coordinates for the swamp and riparian area

The boundary of the swamp and its riparian area; measuring 6m were marked. Tabulated below are the coordinates.

Beacons Identification Number	**Swamp boundary co-ordinates**		**Riparian land co-ordinates**	
	Latitude	**Longitude**	**Latitude**	**Longitude**
AA	0.03164	37.14557	0.03165	37.74857
	N0^{O}.153904	E37^{0}74857	N0^{0}153934	E37^{0}4454
BB	0.03072	37.74758	0.03064	37.74753
	N0^{O} 150.52	E7^{0}44.51	N0^{0}150.31	E37^{0}44.51174
CC	0.02912	37.746.12	0.02915	37.74617
	N0^{O}.1.44774	E37^{0}44’4608	N0^{0}144.976	E37^{0}44’46.23
DD	0.02824	37.74519	0.02825	37.74526
	N0^{O} 71.417	E37^{0}44.42702	N0^{0}141.802	E37^{0}44.42.942
EE	0.03094	37.74318	0.03091	37.74311
	N0^{O}.157.402	E37^{0}4135.388	N0^{0}151^{0}27	E37^{0}435.286

FF	0.03124	37.4329	0.03115	37.74329
	N0^{O}.152.446”	E37^{0}4435.886”	N0^{0}152.146	E37^{0}4435.856
GG	0.3551	37.74275	0.03575	37.74271
	N0^{O}.2834.44	E37^{0}44^{0}33.894	N0^{0}2’8.695	E37^{0}44^{0}33.678
HH	0.03626	37.74232	0.03632	37.74228
	N0^{0}·201^{0}.578	E.37^{0}432^{0}346	N0^{0}201^{0}.77”	E37^{0}44’32.22”
II	0^{0}03734	37.74277	0.3759	37.74231
	N0^{0}·2’14.436”	E37^{0}44’31.14	N0^{0}2’15.234”	E37^{0}4432.208”
JJ	0.03678	37.74337	0.03687	37.7435
	N0^{0}·212.69”	E37^{0}44’36.976	N0^{0}2’121^{0}726”	E37^{0}44,37.482”
KK	0.03476	37.74398	0.03505	37.74414
	N0^{0}·2’5.145”	E37^{0}4438.46	N0^{0}216.162	E37^{0}44’38.556”
LL	0.03338	37.74542	0.03324	37.74538
	N0^{0}·2’0.174”	E37^{0}44.43.176”	N0^{0}159.682”	E3704443.422”
MM	0.03387	37.74848	0.03388	37.74849
	N0^{0}·2’1.932”	E37^{0}44,5051”	N0^{0}2’1,974”	E37044’54.564”

Beneficiaries of the swamp

The swamp is recharged from the underground. There is a stream from the swamp and enters Kathita river. The community within this neighbourhood draw water the river using jerrycans.

Conservation activities already implemented

The boundary of the swamp and the riparian area has been identified and marked with concrete beacons.

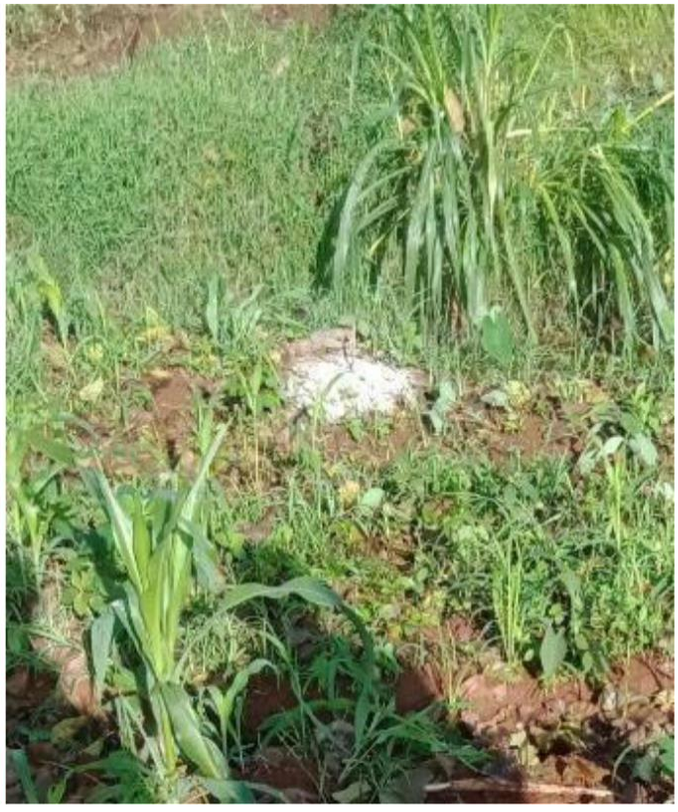


Photo 1 and 2: Beacons for both boundary of the swamp and riparian area

Proposed protection activities

The activities will include fencing, increasing the vegetation cover, branding and sensitizing the community.

Proposed materials for fencing

The main materials to be used in the fencing include but not limited to:-

i. Pre-cast concrete posts

ii. Barbed wire

iii. Cement iv.Clean river sand

v. Nails vi.

Ballast vii.

Timber viii. Metallic

bars and plates

ix. Nylon thread

x. Tree seedlings

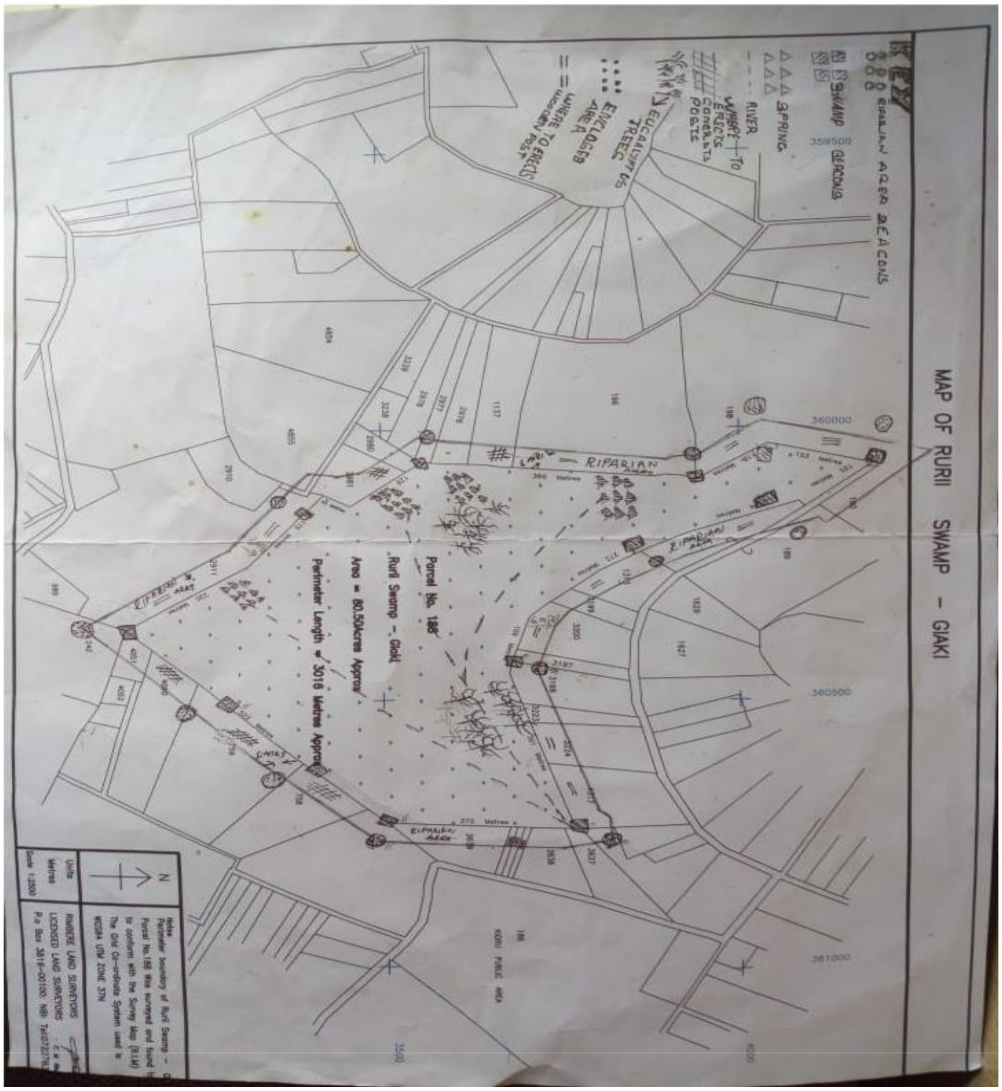
BILL OF QUANTITY

1	BOQ FOR FENCING ,PROTECTION AND CONSERVATION RURII SWAMP				
No.	**DESCRIPTION**	**UNIT**	**QUANTITY**	**RATE (kshs)**	**AMOUNT (kshs)**
1.10	Provide 8' long and 4" by 4", concrete posts and erect in holes 2' deep and 8" diameter at spacing intervals of 2.5m C/C and fence the entire perimeter of the wetland, length 3016m as per the	No.	1207		
1.20	Provide 7' long 4" x 4", concrete posts supports and erect as may be necessary along the fence	No.	160		
1.30	Provide materials and make mass concrete mix of 1:3:6, backfill the holes and properly compacted	m3	40		
1.40	Provide barbed wire gauge 12.5g, 480metres long and fix it in 5 strands of spacing 12" properly straightened and firmly fixed using binding wire around the perimeter of the wetland, 3016m length	Rolls	35		
1.50	Provide chain link of 6' high, 18m long and fix it properly straightened and firmly fixed and fastened against the barbed wire using binding wire along the perimeter of the wetland, length 3016m	Rolls	170		
1.60	Provide binding wire for fastening the chain link and barbed wire firmly against the concrete posts	Rolls	4		
1.70	Provide and install lockable metallic gate measuring 10' x 6' fabricated with 1.5" x 1.5" rectangular hollow section bars	No.	1		
1.80	Provide for Technical Supervision	Item	Lump sum		
1.90	Provide E.I.A/EA Report Consultant	sum	1		
GRAND TOTAL ..... =KSH.					

SECTION 5

DRAWINGS

APPENDIX 1: SKETCH MAP FOR THE RURII SWAMP AND SURROUNDING AREA



APPENDIX 2: COPY OF GREEN CARD

MINISTRY OF LANDS AND PHYSICAL PLANNING

Telegram "LANDS", Meru
Telephone: Meru 20788 and 20953
When replying please quote

DEPARTMENT OF LANDS
MERU CENTRAL LANDS OFFICE
P.O. Box 40 - 60200
MERU

Ref. No. ADM/10/VOL.V/158

22nd March, 2018

THE CHIEF LAND REGISTRAR
MINISTRY OF LANDS AND PHYSICAL PLANNING
P.O. BOX 30450
NAIROBI

RE: NYAKI/GIAKI/188

The above matter and your letter dated 24th August, 2017 refers . We confirm that the property is registered under the Meru County Council and reserved for Swamp Area.

A copy of the Greencard is attached for your records and further action.

C. M. MAKAU
LAND REGISTRAR
MERU

C.C

KARIMAITUNE COMMUNITY
P.O BOX 1526
MERU

PART A - PROPERTY SECTION

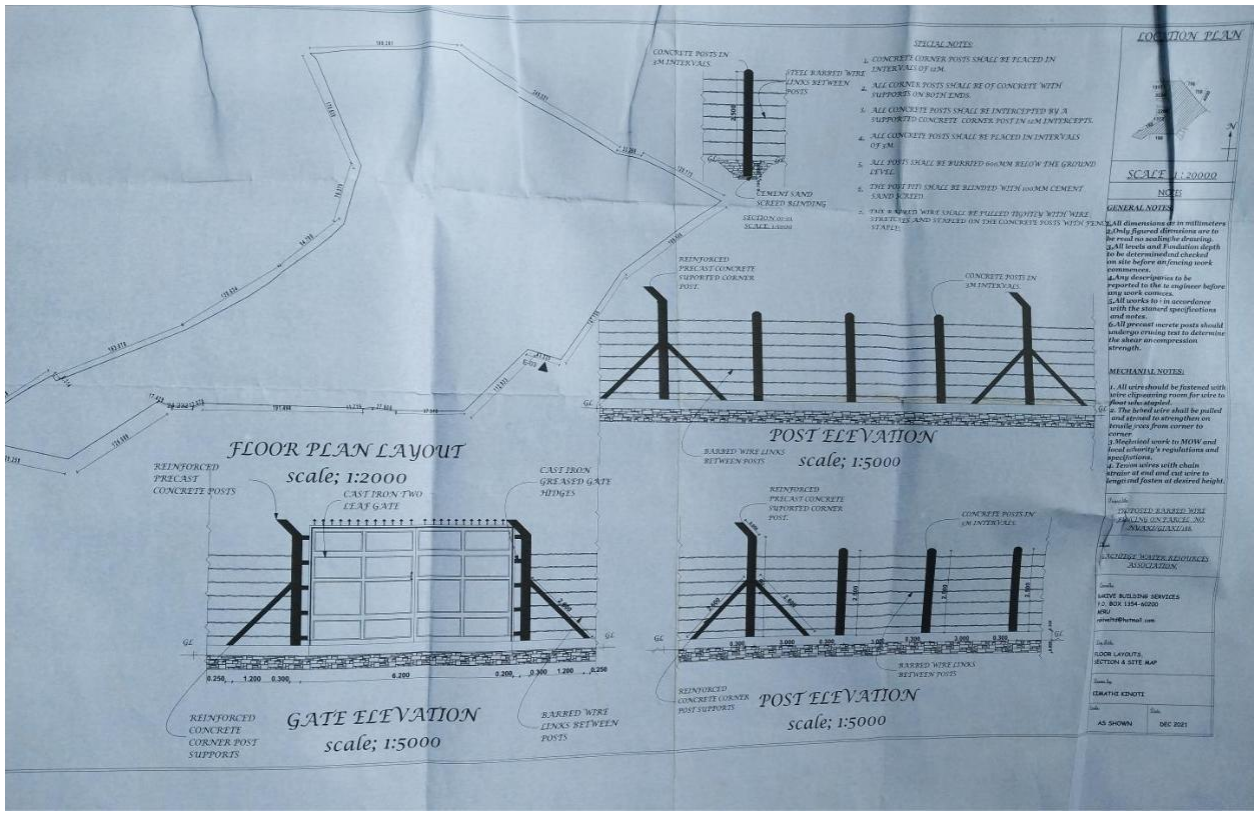
GRAND OF SECTION (LEA)	EASEMENTS ETC.	STATUS OF
PARCEL NUMBER	RESERVED FOR SWAMP AREA.	
APPROXIMATE AREA		
2h. 5r. ACRES		AC.
FIELDBY MAP SHEET NO.		
P1/31		

PART B - PROPRIETORSHIP SECTION

Entry Number	DATE	NAME OF REGISTERED PROPRIETOR	ADDRESS AND DESCRIPTION OF REGISTERED PROPRIETOR	CONSIDERATION AND REMARKS	SIGNATURE OF REGISTRAR
	1/2	MERU COUNTY COUNCIL.			

PART C - ENCUMBRANCES SECTION

ENTRY NO.	DATE	NATURE OF ENCUMBRANCE	FURTHER PARTICULARS	SIGNATURE OF REGISTRAR


FLOOR PLAN LAYOUT
scale; 1:2000
GATE ELEVATION
scale; 1:5000
POST ELEVATION
scale; 1:5000
POST ELEVATION
scale; 1:5000
REINFORCED PRECAST CONCRETE POSTS
CAST IRON TWO LEAF GATE
CAST IRON GREASED GATE HINGES
REINFORCED CONCRETE CORNER POST SUPPORTS
BARRED WIRE LINKS BETWEEN POSTS
CONCRETE POSTS IN 2M INTERVALS
STEEL BARRED WIRE LINKS BETWEEN POSTS
CEMENT SAND SCREED SLOPING
SECTION 00.01
SCALE 1:1000
REINFORCED PRECAST CONCRETE SUPORTED CORNER POST.
BARRED WIRE LINKS BETWEEN POSTS
REINFORCED CONCRETE CORNER POST SUPPORTS
SPECIAL NOTES:
1. CONCRETE CORNER POSTS SHALL BE PLACED IN INTERVALS OF 10M.
2. ALL CORNER POSTS SHALL BE OF CONCRETE WITH SUPPORTS ON BOTH ENDS.
3. ALL CONCRETE POSTS SHALL BE INTERCEPTED BY A SUPPORTED CONCRETE CORNER POST IN 10M INTERCEPTS.
4. ALL CONCRETE POSTS SHALL BE PLACED IN INTERVALS OF 2M.
5. ALL POSTS SHALL BE BURRIED 600MM BELOW THE GROUND LEVEL.
6. THE POST PIT SHALL BE BLENDED WITH 100MM CEMENT SAND SCREED.
7. THE BARBED WIRE SHALL BE PULLED TIGHTEN WITH WIRE STRETCHES AND STAPLED ON THE CONCRETE POSTS WITH FENCE STAPLES.
LOCATION PLAN
SCALE 1:20000
NOTES
GENERAL NOTES:
1.All dimensions are in millimeters
2.Only figured dimsions are to be read no scaling the drawing.
3.All levels and Fundation depth to be determined and checked on site before anfencing work commences.
4.Any descriptions to be reported to the engineer before any work commces.
5.All works to be in accordance with the stanard specifications and notes.
6.All precast concrete posts should undergo crushing test to determine the shear or compression strength.
MECHANIAL NOTES:
1. All wire should be fastened with wire clipsaving room for wire to float when stapled.
2. The barbed wire shall be pulled and stressed to strengthen on kinks/ruts from corner to corner.
3 Mechanial work to MOW and local ahority's regulations and specifications.
4. Tension wires with chain strainer at end and cut wire to length and fasten at desired height.
PROPOSED BARBED WIRE FENCING ON PARCEL NO NWANZI/GIAN/188.
KENYA WATER RESOURCES ASSOCIATION.
Consultants
SAFOVE BUILDING SERVICES
P.O. BOX 1354-60200
MERU
safovebs@hotmail.com
Drawing Title
FLOOR LAYOUTS, SECTION & SITE MAP
Drawn by
ISAATHI KINOTE
Scale
AS SHOWN
Date
DEC 2021