



MURANG'A UNIVERSITY OF TECHNOLOGY

**TENDER DOCUMENT FOR
THE PROPOSED CONSTRUCTION OF THE TUITION
BLOCK PHASE III FOR THE MURANG'A UNIVERSITY
OF TECHNOLOGY, MURANG'A COUNTY**

TENDER NO. MUT / T 05/TB PH-III/ 2026/2027

PREPARED BY:

**COUNTY QUANTITY SURVEYOR
DEPARTMENT OF PUBLIC WORKS
P.O. BOX 133-10200
MURANG'A,
KENYA.**



JUNE, 2026

TENDER DOCUMENTS FOR THE PROPOSED CONSTRUCTION OF THE TUITION BLOCK PHASE II FOR THE MURANG'A UNIVERSITY OF TECHNOLOGY, MURANG'A COUNTY

1) NAME AND CONTACT ADDRESSES OF PROCURING ENTITY

Name: MURANG'A UNIVERSITY OF TECHNOLOGY

Address: P.O BOX 75 - 10200, MURANG'A, KENYA

Email address: info@mut.ac.ke, Tel: +254-771-370-824

2) Invitation to Tender (ITT) No; MUT / T 05/TB PH-III/ 2026/2027

3) Tender Name: Proposed Construction of the Tuition Block Phase III for the Murang'a University of Technology.

TABLE OF CONTENTS

INVITATION TO TENDER	v
PART 1: TENDERING PROCEDURES	1
SECTION I - INSTRUCTIONS TO TENDERERS	1
A. GENERAL PROVISIONS	1
1.0 Scope of tender.....	1
2.0 Fraud and corruption	1
3.0 Eligible tenderers.....	1
4.0 Eligible goods, equipment, and services.....	3
5.0 Tenderer's responsibilities	3
B. CONTENTS OF TENDER DOCUMENTS	4
6.0 Sections of Tender Document	4
7.0 Clarification of Tender Document, Site Visit, Pre-tender Meeting.....	4
8.0 Amendment of Tender Documents.....	5
10.0 Language of Tender	5
11.0 Documents Comprising the Tender.....	5
12.0 Form of Tender and Schedules	6
13.0 Alternative Tenders	6
14.0 Tender Prices and Discounts.....	6
15.0 Currencies of Tender and Payment.....	7
16.0 Documents Comprising the Technical Proposal.....	7
17.0 Documents Establishing the Eligibility and Qualifications of The Tenderer.....	7
18.0 Period of Validity of Tenders	8
19.0 Tender Security	8
20.0 Format and Signing of Tender.....	9
D. SUBMISSION AND OPENING OF TENDERS	9
21.0 Sealing and Marking of Tenders	9
22.0 Deadline for Submission of Tenders	10
23.0 Late Tenders.....	10
24.0 Withdrawal, Substitution, and Modification of Tenders.....	10
25.0 Tender Opening.....	10
E. EVALUATION AND COMPARISON OF TENDERS	11
26.0 Confidentiality.....	11
27.0 Clarification of Tenders.....	11
29.0 Determination of Responsiveness.....	12
30.0 Non-material Non-conformities	12
31.0 Arithmetical Errors.....	12
33.0 Margin of Preference and Reservations	13
34.0 Nominated Subcontractors	13
35.0 Evaluation of Tenders	13
36.0 Comparison of tenders	14
37.0 Abnormally low tenders and abnormally high tenders.....	14
38.0 Unbalanced and/or front-loaded tenders	14
39.0 Qualifications of the tenderer	15
40.0 Lowest evaluated tender.....	15
41.0 Procuring entity's right to accept any tender, and to reject any oral tenders.....	15

42.0	Award criteria.....	15
43.0	Notice of intention to enter into a contract.....	16
44.0	Standstill Period.....	16
45.0	Debriefing By TheProcuring Entity.....	16
46.0	Letter ofAward.....	16
47.0	Signing of Contract.....	16
48.0	Performance Security.....	16
49.0	Publication of Procurement Contract.....	16
50.0	Procurement related Complaint and Administrative Review.....	17

SECTION II - TENDER DATA SHEET (TDS)..... 18

SECTION III - EVALUATION AND QUALIFICATION CRITERIA 22

1.	General Provisions.....	22
2.	Preliminary examination for Determination of Responsiveness.....	22
3.	Technical Evaluation.....	22
4.	Tender Evaluation.....	22
5.	Multiple Contracts.....	23
6.	Margin of Preference.....	23
7.	Post qualification and Contract ward.....	23
8.	QUALIFICATION FORM.....	25

SECTION IV –TENDERINGFORMS..... 28

1.	FOREIGN TENDERERS 40% RULE.....	28
2.	Form EQU: EQUIPMENT.....	29
3.	FORM PER - 1:.....	30
4.	FORM PER - 2:.....	31
5.	TENDERERS QUALIFICATION WITHOUT PRE-QUALIFICATION.....	33

OTHER FORMS..... 46

1.	FORM OF TENDER.....	46
	a) TENDERER'S ELIGIBILITY- CONFIDENTIALBUSINESS QUESTIONNAIRE.....	49
	b) CERTIFICATE OF INDEPENDENTTENDERDETERMINATION.....	52
	c) SELF-DECLARATION FORM - SELF DECLARATION OFTHETENDERER.....	53
	d) APPENDIX 1 - FRAUD AND CORRUPTION.....	56
2.	FORM OF TENDER SECURITY – DEMAND BANKGUARANTEE.....	58
3.	FORM OF TENDER SECURITY (INSURANCE GUARANTEE).....	59
4.	FORM OF TENDER-SECURING DECLARATION.....	60
5.	APPENDIX TO TENDER.....	61

SECTION V – BILLS OF QUANTITIES	65
1. PREAMBLES	65
2. Bill No. 1 – Preliminary Items.....	69
3. Bill No. 2: Work Items.....	BW/1
4. Bill No. 3: Provisional Sums	PS/1
5. GRAND SUMMARY	G/S
SECTION VI - SPECIFICATIONS	SP/1
SECTION VII - DRAWINGS	D/1
SECTION VIII - GENERAL CONDITIONS OF CONTRACT (GCC)	CC/1
1. General Provisions	CC/1
2. The Procuring Entity	CC/7
3. The Engineer	CC/8
4. The Contractor	CC/10
5. Nominated Subcontractors	CC/18
6. Staff and Labor	CC/19
7. Plant, Materials and Workmanship	CC/22
8. Commencement, Delays and Suspension.....	CC/25
9. Tests on Completion.....	CC/28
10. Procuring Entity's Taking Over	CC/29
11. Defects Liability.....	CC/30
12. Measurement and Evaluation.....	CC/32
13. Variations and Adjustments.....	CC/34
14. Contract Price and Payment.....	CC/38
15. Termination by Procuring Entity	CC/44
16. Suspension and Termination by Contractor	CC/46
17. Risk and Responsibility.....	CC/48
18. Insurance.....	CC/50
19. Force Majeure	CC/53
20. Settlement of Claims and Disputes	CC/56
Section IX - Special Conditions of Contract	CC/60
SECTION X – CONTRACT FORMS	CC/62
FORM No. 1 - NOTIFICATION OF INTENTION TO AWARD	CC/63
FORM No. 2 –REQUEST FOR REVIEW	CC/66
FORM No. 3 – LETTER OF AWARD.....	CC/67
FORM No. 4 – CONTRACT AGREEMENT.....	CC/68
FORM No. 5 - PERFORMANCE SECURITY [Option 1 - Unconditional Demand Bank Guarantee].....	CC/69
FORM No. 6- PERFORMANCE SECURITY [Option 2 – Performance Bond]	CC/70
FORM No. 7 – ADVANCE PAYMENT SECURITY	CC/72
FORM No. 8 – RETENTION MONEY SECURITY	CC/73
FORM No. 9 – BENEFICIAL OWNERSHIP DISCLOSURE FORM.....	CC/74

INVITATION TO TENDER

PROCURING ENTITY: MURANG'A UNIVERSITY OF TECHNOLOGY.

CONTRACT NAME AND DESCRIPTION: THE PROPOSED CONSTRUCTION OF THE TUITION BLOCK PHASE III FOR THE MURANG'A UNIVERSITY OF TECHNOLOGY, MURANG'A COUNTY.

1. The **Murang'a University of Technology (hereinafter referred to as MUT)** invites sealed tenders for the construction of the Tuition Block Phase III Works.
2. Tendering will be conducted under open competitive method (**National**) using a standardized tender document. Tendering is open to all qualified and interested Tenderers.

The tendering is open to those registered with the National Construction Authority, Class No. 2 and above.
3. Qualified and interested tenderers may obtain further information and inspect the Tender Documents during office hours [**0900 to 1500 hours**] at the address given below.
4. A complete set of tender documents may be purchased or obtained by interested tenders upon payment of non-refundable fees of **KShs. 1,000.00 (KShs. One Thousand only)** in cash or Banker's Cheque and payable to the address given below. Tender documents may be obtained electronically from the Public Procurement Information Portal (PIIP) www.tenders.go.ke and the University Website(s) <https://www.mut.ac.ke/tender/>. Tender documents obtained electronically will be **free of charge**.
5. Tender documents may be viewed and downloaded for free from the PIIP website www.tenders.go.ke and the University website <https://www.mut.ac.ke/tender/>. Tenderers who download the tender document must forward their particulars immediately to tenders@mut.ac.ke with a copy to procurement@mut.ac.ke to facilitate any further clarification or addendum.
6. Tenders shall be quoted be in Kenya Shillings and shall include all taxes. Tenders shall remain **valid for 120 days** from the date of opening of tenders.
7. All Tenders must be accompanied by a “**Tender Security**” of **KShs. 6,000,000.00 (KShs. Six Million only)** **valid for 30 days** from the tender validity date.
8. The Tenderer shall chronologically serialize all pages of the tender documents submitted.
9. Bidders are required to attend a **Mandatory Site Visit** at Murang'a University of Technology, Mariira Campus Boardroom, on the **7th July, 2026 strictly at 11.00 AM. (Bidders will be issued with a Site Visit Certificate)**.
10. Completed tenders must be delivered to the **tender box** situated at the address below **on or before 15th July, 2026 at 11.00 A.M.** Electronic Tenders **will not** be permitted.
11. Tenders will be opened immediately after the deadline date and time specified above or any deadline date and time specified later. Tenders will be publicly opened in the presence of the Tenderers' designated representatives who choose to attend at the address below.
12. Late tenders will be rejected.

13. The addresses referred to above are:

A. Address for obtaining further information and for purchasing tender documents.

Murang'a University of Technology Main Campus, Procurement Department opposite the Old University Administration Block during normal working hours [0900 to 1500 hours]

P.O Box 75-10200, Murang'a, Kenya

Procurement Department: Phone: 0706-249 039, Email: tenders@mut.ac.ke or procurement@mut.ac.ke

B. Address for Submission of Tenders.

Tender Box, situated at the Ground Floor of the Directorates Block

The Murang'a University of Technology Main Campus,

P.O Box 75-10200, Murang'a, Kenya

C. Address for Opening of Tenders.

Murang'a University of Technology Main Campus in the Assembly Hall, directly opposite the Directorates Block.

Murang'a University of Technology Main Campus,

P.O Box 75-10200, Murang'a, Kenya

**VICE CHANCELLOR
MURANG'A UNIVERSITY OF TECHNOLOGY**

PART1: TENDERING PROCEDURES

SECTION I - INSTRUCTIONS TO

TENDERERS A GENERAL PROVISIONS

10 Scope of tender

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

12 Throughout this tendering document:

- a) The term “in writing” means communicated in written form (e.g. by mail, e-mail, fax, including if specified in the TDS, distributed or received through the electronic-procurement system used by the Procuring Entity) with proof of receipt;
- b) If the context so requires, “singular” means “plural” and vice versa;
- c) “Day” means calendar day, unless otherwise specified as “Business Day”. A Business Day is any day that is an official working day of the Procuring Entity. It excludes official public holidays.

20 Fraud and corruption

21 The Procuring Entity requires compliance with the provisions of the Public Procurement and Asset Disposal Act, 2015, Section 62 “Declaration not to engage in corruption”. The tender submitted by a person shall include a declaration that the person shall not engage in any corrupt or fraudulent practice and a declaration that the person or his or her sub-contractors are not debarred from participating in public procurement proceedings.

22 The Procuring Entity requires compliance with the provisions of the Competition Act 2010, regarding collusive practices in contracting. Any tenderer found to have engaged in collusive conduct shall be disqualified and criminal and/or civil sanctions may be imposed. To this effect, Tenders shall be required to complete and sign the “Certificate of Independent Tender Determination” annexed to the Form of Tender.

23 Tenderers shall permit and shall cause their agents (whether declared or not), subcontractors, sub-consultants, service providers, suppliers, and their personnel, to permit the Procuring Entity to inspect all accounts, records and other documents relating to any initial selection process, pre-qualification process, tender submission, proposal submission, and contract performance (in the case of award), and to have them audited by auditors appointed by the Procuring Entity.

24 Unfair Competitive Advantage - Fairness and transparency in the tender process require that the firms or their Affiliates competing for a specific assignment do not derive a competitive advantage from having provided consulting services related to this tender. To that end, the Procuring Entity shall indicate in the **Data Sheet** and make available to all the firms together with this tender document all information that would in that respect give such firm any unfair competitive advantage over competing firms.

30 Eligible tenderers

31 A Tenderer may be a firm that is a private entity, a state-owned enterprise or institution subject to ITT 3.8, or an individual or any combination of such entities in the form of a joint venture (JV) under an existing agreement with the intent to enter into such an agreement supported by a letter of intent. In the case of a joint venture, all members shall be jointly and severally liable for the execution of the entire Contract in accordance with the Contract terms. The JV shall nominate a Representative who shall have the authority to conduct all business for and on behalf of any and all the members of the JV during the tendering process and, in the event the JV is awarded the Contract, during contract execution. Members of a joint venture may not also make an individual tender, be a subcontractor in a separate tender or be part of another joint venture for the purposes of the same Tender. The maximum number of JV members shall be specified in the **TDS**.

32 Public Officers of the Procuring Entity, their Spouses, Child, Parent, Brothers or Sister. Child, Parent, Brother or Sister of a Spouse, their business associates or agents and firms/organizations in which they have a substantial or controlling interest shall not be eligible to tender or be awarded a contract. Public Officers are also not allowed to participate in any procurement proceedings.

33 A Tenderer shall not have a conflict of interest. Any tenderer found to have a conflict of interest shall be disqualified. A tenderer may be considered to have a conflict of interest for the purpose of this tendering process, if the tenderer:

- a) Directly or indirectly controls, is controlled by or is under common control with another tenderer;
 - b) Receives or has received any director indirect subsidy from another tenderer;
 - c) Has the same legal representative as another tenderer.
 - d) Has a relationship with another tenderer, directly or through common third parties, that puts it in a position to influence the tender of another tenderer, or influence the decisions of the Procuring Entity regarding this tendering process.
 - e) Any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the goods or works that are the subject of the tender.
 - f) Any of its affiliates has been hired (or is proposed to be hired) by the Procuring Entity as a consultant for Contract implementation.
 - g) Would be providing goods, works, or non-consulting services resulting from or directly related to consulting services for the preparation or implementation of the contract specified in this Tender Document.
 - h) Has a close business or personal relationship with senior management or professional staff of the Procuring Entity who has the ability to influence the bidding process and:
 - i) Are directly or indirectly involved in the preparation of the Tender document or specifications of the Contract, and/or the Tender evaluation process of such contract; or
 - ii) May be involved in the implementation or supervision of such Contract unless the conflicts stemming from such relationship has been resolved in a manner acceptable to the Procuring Entity throughout the tendering process and execution of the Contract.
- 34** A tenderer shall not be involved in corrupt, coercive, obstructive or fraudulent practice. A tenderer that is proven to have been involved in any of these practices shall be automatically disqualified.
- 35** A Tenderer (either individually or as a JV member) shall not participate in more than one Tender, except for permitted alternative tenders. This includes participation as a subcontractor in other Tenders. Such participation shall result in the disqualification of all Tenders in which the firm is involved. Members of a joint venture may not also make an individual tender, be a sub-contractor in a separate tender or be part of another joint venture for the purposes of the same Tender. A firm that is not a tenderer or a JV member may participate as a subcontractor in more than one tender.
- 36** A Tenderer may have the nationality of any country, subject to the restrictions pursuant to ITT3.9. A Tenderer shall be deemed to have the nationality of a country if the Tenderer is constituted, incorporated or registered in and operates in conformity with the provisions of the laws of that country, as evidenced by its articles of incorporation (or equivalent documents of constitution or association) and its registration documents, as the case may be. This criterion also shall apply to the determination of the nationality of proposed sub-contractors or sub-consultants for any part of the Contract including related Services.
- 37** A Tenderer that has been debarred from participating in public procurement shall be ineligible to tender or be awarded a contract. The list of debarred firms and individuals is available from the website of PPRA www.ppra.go.ke.
- 38** A Tenderer that is a state-owned enterprise or a public institution in Kenya may be eligible to tender and be awarded Contract(s) only if it is determined by the Procuring Entity to meet the following conditions, i.e. if it is:
- i) A legal public entity of Government and/or public administration,
 - ii) financially autonomous and not receiving any significant subsidies or budget support from any public entity or Government, and;
 - (iii) operating under commercial law and vested with legal rights and liabilities similar to any commercial enterprise to enable it compete with firms in the private sector on an equal basis.
- 39** Firms and individuals shall be ineligible if their countries of origin are:
- (a) As a matter of law or official regulations, Kenya prohibits commercial relations with that country;
 - (b) By an act of compliance with a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, Kenya prohibits any import of goods or contracting of works or services from that country, or any payments to any country, person, or entity in that country.

A tenderer shall provide such documentary evidence of eligibility satisfactory to the Procuring Entity, as the Procuring Entity shall reasonably request.

- 3.10** Foreign tenderers are required to source at least forty (40%) percent of their contract inputs (in supplies, local sub-contracts and labor) from citizen suppliers and contractors. To this end, a foreign tenderer shall provide in its tender documentary evidence that this requirement is met. Foreign tenderers not meeting this criterion will be automatically disqualified. Information required to enable the Procuring Entity determine if this condition is met shall be provided for this purpose in “*SECTION II - EVALUATION AND QUALIFICATION CRITERIA, Item 9*”.
- 3.11** Pursuant to the eligibility requirements of ITT 3.10, a tender is considered a foreign tenderer, If it is registered in Kenya and has less than 51 percent ownership by nationals of Kenya and if it does not subcontract to foreign firms or individuals more than 10 percent of the contract price, excluding provisional sums. JVs are considered as foreign tenderers if the individual member firms registered in Kenya have less 51 percent ownership by nationals of Kenya. The JV shall not subcontract to foreign firms more than 10 percent of the contract price, excluding provisional sums.
- 3.12** The National Construction Authority Act of Kenya requires that all local and foreign contractors be registered with the National Construction Authority and be issued with a Registration Certificate before they can undertake any construction works in Kenya. Registration shall not be a condition for tender, but it shall be a condition of contract award and signature. A selected tenderer shall be given opportunity to register before such award and signature of contract. Application for registration with National Construction Authority may be accessed from the website www.nca.go.ke.
- 3.13** The Competition Act of Kenya requires that firms wishing to tender as Joint Venture undertakings which may prevent, distort or lessen competition in provision of services are prohibited unless they are exempt in accordance with the provisions of Section 25 of the Competition Act, 2010. JVs will be required to seek for exemption from the Competition Authority. Exemption shall not be a condition for tender, but it shall be a condition of contract award and signature. A JV tenderer shall be given opportunity to seek such exemption as a condition of award and signature of contract. Application for exemption from the Competition Authority of Kenya may be accessed from the website www.cak.go.ke.
- 4.14 A kenyan tenderer shall be eligible to tender if it provides evidence of having fulfilled his/her tax obligations by producing valid tax compliance certificate or tax exemption certificate issued by the Kenya Revenue Authority.
- 40 Eligible goods, equipment, and services**
- 41** Goods, equipment and services to be supplied under the Contract may have their origin in any country that is not ineligible under ITT 3.9. At the Procuring Entity's request, Tenderers may be required to provide evidence of the origin of Goods, equipment and services.
- 42** Any goods, works and production processes with characteristics that have been declared by the relevant national environmental protection agency or by other competent authority as harmful to human beings and to the environment shall not be eligible for procurement.
- 50 Tenderer's responsibilities**
- 51** The tenderer shall bear all costs associated with the preparation and submission of his/her tender, and the Procuring Entity will in no case be responsible or liable for those costs.
- 52** The tenderer, at the tenderer's own responsibility and risk, is encouraged to visit and examine and inspect 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 beat the tenderer's own expense.
- 53** The Tenderer and any of its personnel or agents will be granted permission by the Procuring Entity to enter upon its premises and lands for the purpose of such visit. The Tenderer shall indemnify the Procuring Entity again stall liability arising from death or personal injury, loss of or damage to property, and any other losses and expenses incurred as a result of the examination and inspection.

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

B. CONTENTS OF TENDER DOCUMENTS

60 Sections of Tender Document

- 61 The tender document consists of Parts 1, 2, and 3, which includes all the sections specified below, and which should be read in conjunction with any Addenda issued in accordance with ITT 10.

PART 1: Tendering Procedures

Section I – Instructions to Tenderers

Section II – Tender Data Sheet (TDS)

Section III- Evaluation and Qualification

Criteria Section IV – Tendering Forms

PART 2: Works'

Requirements Section V -

Bills of Quantities Section VI -

Specifications Section VII -

Drawings

PART 3: Conditions of Contract and Contract Forms

Section VIII - General Conditions (GCC)

Section IX - Special Conditions of Contract

Section X- Contract Forms

- 62 The Invitation to Tender Notice issued by the Procuring Entity is not part of the Contract documents. Unless obtained directly from the Procuring Entity, the Procuring Entity is not responsible for the completeness of the Tender document, responses to requests for clarification, the minutes of a pre-arranged site visit and those of the pre-Tender meeting (if any), or Addenda to the Tender document in accordance with ITT 10. In case of any contradiction, documents obtained directly from the Procuring Entity shall prevail.

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

70 Clarification of Tender Document, Site Visit, Pre-tender Meeting

- 71 A Tenderer requiring any clarification of the Tender Document shall contact the Procuring Entity in writing at the Procuring Entity's address specified in the **TDS** or raise its enquiries during the pre-Tender meeting if provided for in accordance with ITT 7.2. The Procuring Entity will respond in writing to any request for clarification, provided that such request is received no later than the period specified in the **TDS** prior to the deadline for submission of tenders. The Procuring Entity shall forward copies of its response to all tenderers who have acquired the Tender documents in accordance with ITT 7.4, including a description of the inquiry but without identifying its source. If so specified in the **TDS**, the Procuring Entity shall also promptly publish its response at the web page identified in the **TDS**. Should the clarification result in changes to the essential elements of the Tender Documents, the Procuring Entity shall amend the Tender Documents following the procedure under ITT 8 and ITT 22.2.

- 72 The Tenderer, at the Tenderer's own responsibility and risk, is encouraged to visit and examine and inspect the site(s) of the required contracts and obtain all information that may be necessary for preparing a tender. The costs of visiting the Site shall be at the Tenderer's own expense. The Procuring Entity shall specify in the **TDS** if a pre-arranged Site visit and or a pre-tender meeting will be held, when and where. The Tenderer's designated representative is invited to attend a pre-arranged site visit and a pre-tender meeting, as the case may be. The purpose of the site visit and the pre-tender meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.

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

- 74 Minutes of a pre-arranged site visit and those of the pre-tender meeting, if applicable, including the text of the questions asked by Tenderers and the responses given, together with any responses prepared after the meeting, will be transmitted promptly to all Tenderers who have acquired the Tender Documents. Minutes shall not identify the source of the questions asked.
- 75 The Procuring Entity shall also promptly publish anonymized (*no names*) Minutes of the pre-arranged site visit and those of the pre-tender meeting at the web page identified in the **TDS**. Any modification to the Tender Documents that may become necessary as a result of the pre-arranged site visit and those of the pre-tender meeting shall be made by the Procuring Entity exclusively through the issue of an Addendum pursuant to ITT 8 and not through the minutes of the pre-Tender meeting. Non-attendance at the pre-arranged site visit and the pre-tender meeting will not be a cause for disqualification of a Tenderer.
- 80 **Amendment of Tender Documents**
- 81 At any time prior to the deadline for submission of Tenders, the Procuring Entity may amend the Tender Documents by issuing addenda.
- 82 Any addendum issued shall be part of the Tender Documents and shall be communicated in writing to all who have obtained the Tender Documents from the Procuring Entity. The Procuring Entity shall also promptly publish the addendum on the Procuring Entity's website in accordance with ITT 7.5.
- 83 To give Tenderers reasonable time in which to take an addendum into account in preparing their Tenders, the Procuring Entity should extend the deadline for the submission of Tenders, pursuant to ITT 22.2.

C. PREPARATION OF TENDERS

9. **Cost of Tendering**

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

10.0 **Language of Tender**

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

11.0 **Documents Comprising the Tender**

11.1 The Tender shall comprise the following:

- a) Form of Tender prepared in accordance with ITT 12;
- b) Schedules including priced Bill of Quantities, completed in accordance with ITT 12 and ITT 14;
- c) Tender Security or Tender-Securing Declaration, in accordance with ITT 19.1;
- d) Alternative Tender, if permissible, in accordance with ITT 13;
- e) **Authorization**: written confirmation authorizing the signatory of the Tender to commit the Tenderer, in accordance with ITT 20.3;
- f) **Qualifications**: documentary evidence in accordance with ITT 17 establishing the Tenderer's qualifications to perform the Contract if its Tender is accepted.
- g) **Conformity**: a technical proposal in accordance with ITT 16.
- h) Any other document required in the **TDS**.

11.2 In addition to the requirements under ITT 11.1, Tenders submitted by a JV shall include a copy of the Joint Venture Agreement entered into by all members. Alternatively, a letter of intent to execute a Joint Venture Agreement in the event of a successful Tender shall be signed by all members and submitted with the Tender, together with a copy of the proposed JV Agreement. Change of membership and conditions of the JV prior to contract signature will render the tender liable for disqualification.

12.0 Form of Tender and Schedules

- 12.1 The Form of Tender and Schedules, including the Bill of Quantities, shall be prepared using the relevant forms furnished in Section IV, Tendering Forms. The forms must be completed without any alterations to the text, and no substitutes shall be accepted except as provided under ITT 20.3. All blank spaces shall be filled in with the information requested. The Tenderer shall chronologically serialize all pages of the tender documents submitted.
- 12.2 The Tenderer shall furnish in the Form of Tender information on commissions and gratuities, if any, paid or to be paid to agents or any other party relating to this Tender.

13 Alternative Tenders

- 13.1 Unless otherwise specified in the TDS, alternative Tenders shall not be considered.
- 13.2 When alternative times for completion are explicitly invited, a statement to that effect will be included in the **TDS**, and the method of evaluating different alternative times for completion will be described in Section III, Evaluation and Qualification Criteria.
- 13.3 Except as provided under ITT 13.4 below, Tenderers wishing to offer technical alternatives to the requirements of the Tender Documents must first price the Procuring Entity's design as described in the Tender Documents and shall further provide all information necessary for a complete evaluation of the alternative by the Procuring Entity, including drawings, design calculations, technical specifications, breakdown of prices, and proposed construction methodology and other relevant details. Only the technical alternatives, if any, of the Tenderer with the Winning Tender conforming to the basic technical requirements shall be considered by the Procuring Entity.
- 13.4 When specified in the **TDS**, Tenderers are permitted to submit alternative technical solutions for specified parts of the Works, and such parts will be identified in the **TDS**, as will the method for their evaluating, and described in Section VII, Works' Requirements.

14.0 Tender Prices and Discounts

- 14.1 The prices and discounts (including any price reduction) quoted by the Tenderer in the Form of Tender and in the Bill of Quantities shall conform to the requirements specified below.
- 14.2 The Tenderer shall fill in rates and prices for all items of the Works described in the Bill of Quantities. Items against which no rate or price is entered by the Tenderer shall be deemed covered by the rates for other items in the Bill of Quantities and will not be paid for separately by the Procuring Entity. An item not listed in the priced Bill of Quantities shall be assumed to be not included in the Tender, and provided that the Tender is determined substantially responsive notwithstanding this omission, the average price of the item quoted by substantially responsive Tenderers will be added to the Tender price and the equivalent total cost of the Tender so determined will be used for price comparison.
- 14.3 The price to be quoted in the Form of Tender, in accordance with ITT 12.1, shall be the total price of the Tender, including any discounts offered.
- 14.4 The Tenderer shall quote any discounts and the methodology for their application in the Form of Tender, in accordance with ITT 12.1.
- 14.5 It will be specified in the **TDS** if the rates and prices quoted by the Tenderer are or are not subject to adjustment during the performance of the Contract in accordance with the provisions of the Conditions of Contract, except in cases where the contract is subject to fluctuations and adjustments, not fixed price. In such a case, the Tenderer shall furnish the indices and weightings for the price adjustment formulae in the Schedule of Adjustment Data and the Procuring Entity may require the Tenderer to justify its proposed indices and weightings.
- 14.6 Where tenders are being invited for individual lots (contracts) or for any combination of lots (packages), tenderers wishing to offer discounts for the award of more than one Contract shall specify in their Tender the price reductions applicable to each package, or alternatively, to individual Contracts within the package. Discounts shall be submitted in accordance with ITT 14.4, provided the Tenders for all lots (contracts) are opened at the same time.

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

150 Currencies of Tender and Payment

151 The currency (ies) of the Tender and the currency(ies) of payments shall be the same.

152 Tenderers shall quote entirely in Kenya Shillings. The unit rates and the prices shall be quoted by the Tenderer in the Bill of Quantities, entirely in Kenya shillings.

a) A Tenderer expecting to incur expenditures in other currencies for inputs to the Works supplied from outside Kenya (referred to as “the foreign currency requirements”) shall (if so allowed in the **TDS**) indicate in the Appendix to Tender the percentage(s) of the Tender Price (excluding Provisional Sums), needed by the Tenderer for the payment of such foreign currency requirements, limited to no more than two foreign currencies.

b) The rates of exchange to be used by the Tenderer in arriving at the local currency equivalent and the percentage(s) mentioned in (a) above shall be specified by the Tenderer in the Appendix to Tender and shall be based on the exchange rate provided by the Central Bank of Kenya on the date 30 days prior to the actual date of tender opening. Such exchange rate shall apply for all foreign payments under the Contract.

153 Tenderers may be required by the Procuring Entity to justify, to the Procuring Entity's satisfaction, their local and foreign currency requirements, and to substantiate that the amounts included in the unit rates and prices and shown in the Schedule of Adjustment Data in the Appendix to Tender are reasonable, in which case a detailed breakdown of the foreign currency requirements shall be provided by Tenderers.

16.0 Documents Comprising the Technical Proposal

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

17.0 Documents Establishing the Eligibility and Qualifications of the Tenderer

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

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

173 If a margin of preference applies as specified in accordance with ITT 33.1, national tenderers, individually or in joint ventures, applying for eligibility for national preference shall supply all information required to satisfy the criteria for eligibility specified in accordance with ITT 33.1.

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

175 The purpose of the information described in ITT 17.4 above overrides any claims to confidentiality which a tenderer may have. There can be no circumstances in which it would be justified for a tenderer to keep information relating to its ownership and control confidential where it is tendering to undertake public sector work and receive public sector funds. Thus, confidentiality will not be accepted by the Procuring Entity as a justification for a Tenderer's failure to disclose, or failure to provide the required information on its ownership and control.

176 The Tenderer shall provide further documentary proof, information, or authorizations that the Procuring Entity may request in relation to ownership and control which information on any changes to the information which was provided by the tenderer under ITT 6.4. The obligations to require this information shall continue for the duration of the procurement process and contract performance and after completion of the contract, if any change to the information previously provided may reveal a conflict of interest in relation to the award or management of the contract.

- 177** All information provided by the tenderer pursuant to these requirements must be complete, current and accurate as at the date of provision to the Procuring Entity. In submitting the information required pursuant to these requirements, the Tenderer shall warrant that the information submitted is complete, current and accurate as at the date of submission to the Procuring Entity.
- 178** If a tenderer fails to submit the information required by these requirements, its tender will be rejected. Similarly, if the Procuring Entity is unable, after taking reasonable steps, to verify to a reasonable degree the information submitted by a tenderer pursuant to these requirements, then the tender will be rejected.
- 179** If information submitted by a tenderer pursuant to these requirements, or obtained by the Procuring Entity (whether through its own enquiries, through notification by the public or otherwise), shows any conflict of interest which could materially and improperly benefit the tenderer in relation to the procurement or contract management process, then:
- i) If the procurement process is still ongoing, the tenderer will be disqualified from the procurement process,
 - ii) if the contract has been awarded to that tenderer, the contract award will be set as impending the outcome of (iii),
 - iii) the tenderer will be referred to the relevant law enforcement authorities for investigation of whether the tenderer or any other person have committed any criminal offence.
- 17.10** If a tenderer submits information pursuant to these requirements that is incomplete, inaccurate or out-of-date, or attempts to obstruct the verification process, then the consequences ITT 17.8 will ensue unless the tenderer can show to the reasonable satisfaction of the Procuring Entity that any such act was not material or was due to genuine error which was not attributable to the intentional act, negligence or recklessness of the tenderer.

18.0 Period of Validity of Tenders

- 18.1.** Tenders shall remain valid for the Tender Validity period specified in the **TDS**. The Tender Validity period starts from the date fixed for the Tender submission deadline (as prescribed by the Procuring Entity in accordance with ITT 22). A tender valid for a shorter period shall be rejected by the Procuring Entity as non-responsive.
- 18.2** In exceptional circumstances, prior to the expiration of the Tender validity period, the Procuring Entity may request Tenderers to extend the period of validity of their Tenders. The request and the responses shall be made in writing. If a Tender Security is requested in accordance with ITT 19, it shall also be extended for thirty (30) days beyond the deadline of the extended validity period. A Tenderer may refuse the request without forfeiting its Tender security. A Tenderer granting the request shall not be required or permitted to modify its Tender.

190 Tender Security

- 191** The Tenderer shall furnish as part of its Tender, either a Tender-Securing Declaration or a Tender Security as specified in the **TDS**, in original form and, in the case of a Tender Security, in the amount and currency **specified** in the **TDS**. A Tender-Securing Declaration shall use the form included in Section IV, Tender Forms.
- 192** If a Tender Security is specified pursuant to ITT 19.1, the Tender Security shall be a demand guarantee in any of the following forms at the Tenderer's option:
- I) cash.
 - ii) a bank guarantee.
 - iii) a guarantee by an insurance company registered and licensed by the Insurance Regulatory Authority listed by the Authority.
 - (iv) a guarantee issued by a financial institution approved and licensed by the Central Bank of Kenya, from a reputable source, and an eligible country.
- 193** If an unconditional bank guarantee is issued by a bank located outside Kenya, the issuing bank shall have a correspondent bank located in Kenya to make it enforceable. The Tender Security shall be valid for thirty (30) days beyond the original validity period of the Tender, or beyond any period of extension if requested under ITT 18.2.
- 194** If a Tender Security or Tender-Securing Declaration is specified pursuant to ITT 19.1, any Tender not accompanied by a substantially responsive Tender Security or Tender-Securing Declaration shall be rejected by the Procuring Entity as non-responsive.

- 195** If a Tender Security is specified pursuant to ITT 19.1, the Tender Security of unsuccessful Tenderers shall be returned as promptly as possible upon the successful Tenderer's signing the Contract and furnishing the Performance Security and any other documents required in the TDS. The Procuring Entity shall also promptly return the tender security to the tenderers where the procurement proceedings are terminated, all tenders were determined non-responsive or a bidder declines to extend tender validity period.
- 196** The Tender Security of the successful Tenderer shall be returned as promptly as possible once the successful Tenderer has signed the Contract and furnished the required Performance Security, and any other documents required in the TDS.
- 197** The Tender Security may be forfeited, or the Tender-Securing Declaration executed:
- a) if a Tenderer withdraws its Tender during the period of Tender validity specified by the Tenderer on the Form of Tender, or any extension there to provided by the Tenderer; or
 - b) if the successful Tenderer fails to:
 - i) sign the Contract in accordance with ITT47; or
 - ii) furnish a Performance Security and if required in the TDS, and any other documents required in the TDS.
- 198** Where tender securing declaration is executed, the Procuring Entity shall recommend to the PPRA to debar the Tenderer from participating in public procurement as provided in the law.
- 199** The Tender Security or the Tender-Securing Declaration of a JV shall be in the name of the JV that submits the Tender. If the JV has not been legally constituted into a legally enforceable JV at the time of tendering, the Tender Security or the Tender-Securing Declaration shall be in the names of all future members as named in the letter of intent referred to in ITT 4.1 and ITT 11.2.
- 19.10** A tenderer shall not issue a tender security to guarantee itself.

200 Format and Signing of Tender

- 201** The Tenderer shall prepare one original of the documents comprising the Tender as described in ITT 11 and clearly mark it "ORIGINAL." Alternative Tenders, if permitted in accordance with ITT 13, shall be clearly marked "ALTERNATIVE." In addition, the Tenderer shall submit copies of the Tender, in the number specified in the TDS and clearly mark them "COPY." In the event of any discrepancy between the original and the copies, the original shall prevail.
- 202** Tenderers shall mark as "CONFIDENTIAL" all information in their Tenders which is confidential to their business. This may include proprietary information, trade secrets, or commercial or financially sensitive information.
- 203** The original and all copies of the Tender shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Tenderer. This authorization shall consist of a written confirmation as specified in the TDS and shall be attached to the Tender. The name and position held by each person signing the authorization must be typed or printed below the signature. All pages of the Tender where entries or amendments have been made shall be signed or initialed by the person signing the Tender.
- 204** In case the Tenderer is a JV, the Tender shall be signed by an authorized representative of the JV on behalf of the JV, and so as to be legally binding on all the members as evidenced by a power of attorney signed by their legally authorized representatives.
- 205** Any inter-lineation, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the Tender.

D. SUBMISSION AND OPENING OF TENDERS

210 Sealing and Marking of Tenders

- 211** The Tenderer shall deliver the Tender in a single sealed envelope, or in a single sealed package, or in a single sealed container bearing the name and Reference number of the Tender, addressed to the Procuring Entity and a warning not to open before the time and date for Tender opening date. Within the single envelope, package or container, the Tenderer shall place the following separate, sealed envelopes:

- a) in an envelope or package or container marked “ORIGINAL”, all documents comprising the Tender, as described in ITT 11; and
- b) in an envelope or package or container marked “COPIES”, all required copies of the Tender; and
- c) if alternative Tenders are permitted in accordance with ITT 13, and if relevant:
 - i) in an envelope or package or container marked “ORIGINAL –ALTERNATIVE TENDER”, the alternative Tender; and
 - ii) in the envelope or package or container marked “COPIES- ALTERNATIVE TENDER”, all required copies of the alternative Tender.

The inner envelopes or packages or containers shall:

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

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

220 Deadline for Submission of Tenders

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

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

23.0 Late Tenders

The Procuring Entity shall not consider any Tender that arrives after the deadline for submission of tenders, in accordance with ITT 22. Any Tender received by the Procuring Entity after the deadline for submission of Tenders shall be declared late, rejected, and returned unopened to the Tenderer.

24.0 Withdrawal, Substitution, and Modification of Tenders

241 A Tenderer may withdraw, substitute, or modify its Tender after it has been submitted by sending a written notice, duly signed by an authorized representative, and shall include a copy of the authorization in accordance with ITT 20.3, (except that withdrawal notices do not require copies). The corresponding substitution or modification of the Tender must accompany the respective written notice. All notices must be:

- a) prepared and submitted in accordance with ITT 20 and ITT 21 (except that withdrawals notices do not require copies), and in addition, the respective envelopes shall be clearly marked “WITHDRAWAL,” “SUBSTITUTION,” “MODIFICATION;” and
- b) received by the Procuring Entity prior to the deadline prescribed for submission of Tenders, in accordance with ITT 22.

242 Tenders requested to be withdrawn in accordance with ITT 24.1 shall be returned unopened to the Tenderers.

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

25. Tender Opening

251 Except in the cases specified in ITT 23 and ITT 24.2, the Procuring Entity shall publicly open and read out all Tenders received by the deadline, at the date, time and place specified **in the TDS**, in the presence of Tenderers' designated representatives who chooses to attend. Any specific electronic Tender opening procedures required if electronic Tendering is permitted in accordance with ITT 22.1, shall be as specified in the **TDS**.

- 252 First, envelopes marked "WITHDRAWAL" shall be opened and read out and the envelopes with the corresponding Tender shall not be opened but returned to the Tenderer. No Tender withdrawal shall be permitted unless the corresponding withdrawal notice contains a valid authorization to request the withdrawal and is read out at Tender opening.
- 253 Next, envelopes marked "SUBSTITUTION" shall be opened and read out and exchanged with the corresponding Tender being substituted, and the substituted Tender shall not be opened, but returned to the Tenderer. No Tender substitution shall be permitted unless the corresponding substitution notice contains a valid authorization to request the substitution and is read out at Tender opening.
- 254 Next, envelopes marked "MODIFICATION" shall be opened and read out with the corresponding Tender. No Tender modification shall be permitted unless the corresponding modification notice contains a valid authorization to request the modification and is read out at Tender opening.
- 255 Next, all remaining envelopes shall be opened one at a time, reading out: the name of the Tenderer and whether there is a modification; the total Tender Price, per lot (contract) if applicable, including any discounts and alternative Tenders; the presence or absence of a Tender Security or Tender-Securing Declaration, if required; and any other details as the Procuring Entity may consider appropriate.
- 256 Only Tenders, alternative Tenders and discounts that are opened and read out at Tender opening shall be considered further for evaluation. The Form of Tender and pages of the Bill of Quantities (to be decided on by the tender opening committee) are to be initialed by the members of the tender opening committee attending the opening.
- 257 At the Tender Opening, the Procuring Entity's shall neither discuss the merits of any Tender nor reject any Tender (except for late Tenders, in accordance with ITT 23.1).
- 258 The Procuring Entity shall prepare minutes of the Tender Opening that shall include, as a minimum: -
- a) The name of the Tenderer and whether there is a withdrawal, substitution, or modification.
 - b) The Tender Price, per lot (contract) if applicable, including any discounts.
 - c) Any alternative Tenders.
 - d) The presence or absence of a Tender Security, if new as required.
 - e) Number of pages of each tender document submitted.
- 259 The Tenderers' representatives who are present shall be requested to sign the minutes. The omission of a Tenderer's signature on the minutes shall not invalidate the contents and effect of the minutes. A copy of the tender opening register shall be distributed to all Tenderers.

E. EVALUATION AND COMPARISON OF TENDERS

26 Confidentiality

- 261 Information relating to the evaluation of Tenders and recommendation of contract award shall not be disclosed to Tenderers or any other persons not officially concerned with the Tender process until information on Intention to Award the Contract is transmitted to all Tenderers in accordance with ITT 43.
- 262 Any effort by a Tenderer to influence the Procuring Entity in the evaluation of the Tenders or Contract award decisions may result in the rejection of its tender.
- 263 Not with standing ITT 26.2, from the time of tender opening to the time of contract award, if a tenderer wishes to contact the Procuring Entity on any matter related to the tendering process, it shall do so in writing.

270 Clarification of Tenders

- 271 To assist in the examination, evaluation, and comparison of the tenders, and qualification of the tenderers, the Procuring Entity may, at its discretion, ask any tenderer for a clarification of its tender, given a reasonable time for a response. Any clarification submitted by a tenderer that is not in response to a request by the Procuring Entity shall not be considered. The Procuring Entity's request for clarification and the response shall be in writing. No change, including any voluntary increase or decrease, in the prices or substance of the tender shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the Procuring Entity in the evaluation of the tenders, in accordance with ITT 31.

272 If a tenderer does not provide clarifications of its tender by the date and time set in the Procuring Entity's request for clarification, its Tender may be rejected.

28.0 Deviations, Reservations, and Omissions

28.1 During the evaluation of tenders, the following definitions apply: -

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

29.0 Determination of Responsiveness

29.1 The Procuring Entity's determination of a Tender's responsiveness is to be based on the contents of the tender itself, as defined in ITT 11.

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

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

29.3 The Procuring Entity shall examine the technical aspects of the tender submitted in accordance with ITT 16, to confirm that all requirements of Section VII, Works' Requirements have been met without any material deviation, reservation or omission.

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

30.0 Non-material Non-conformities

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

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

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

31.0 Arithmetical Errors

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

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

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

c) if there is a discrepancy between words and figures, the amount in words shall prevail

31.3 Tenderers shall be notified of any error detected in their bid during the notification of award.

32.0 Conversion to Single Currency

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

33.0 Margin of Preference and Reservations

33.1 A margin of preference may be allowed only when the contract is open to international competitive tendering where foreign contractors are expected to participate in the tendering process and where the contract exceeds the value/threshold specified in the Regulations.

33.2 A margin of preference shall not be allowed unless it is specified so in the **TDS**.

33.3 Contracts procured on basis of international competitive tendering shall not be subject to reservations exclusive to specific groups as provided in ITT 33.4.

33.4 Where it is intended to reserve a contract to a specific group of businesses (these groups are Small and Medium Enterprises, Women Enterprises, Youth Enterprises and Enterprises of persons living with disability, as the case may be), and who are appropriately registered as such by the authority to be specified in the **TDS**, a procuring entity shall ensure that the invitation to tender specifically indicates that only businesses or firms belonging to the specified group are eligible to tender. No tender shall be reserved to more than one group. If not so stated in the Invitation to Tender and in the Tender documents, the invitation to tender will be open to all interested tenderers.

34.0 Nominated Subcontractors

34.1 Unless otherwise stated in the **TDS**, the Procuring Entity does not intend to execute any specific elements of the Works by subcontractors selected/nominated by the Procuring Entity. In case the Procuring Entity nominates a subcontractor, the subcontract agreement shall be signed by the Subcontractor and the Procuring Entity. The main contract shall specify the working arrangements between the main contractor and the nominated subcontractor.

34.2 Tenderers may propose sub-contracting up to the percentage of total value of contracts or the volume of works as specified in the **TDS**. The subcontractors proposed by the Tenderer shall be fully qualified for their parts of the Works.

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

35. Evaluation of Tenders

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

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

- a) Price adjustment in accordance with ITT 31.1 (iii); excluding provisional sums and contingencies, if any, but including Day work items, where priced competitively;
- b) Price adjustment due to discounts offered in accordance with ITT 14.4;
- c) Converting the amount resulting from applying (a) and (b) above, if relevant, to a single currency in accordance with ITT 32;
- d) Price adjustment due to quantifiable non material non-conformities in accordance with ITT 30.3; and
- e) Any additional evaluation factors specified in the **TDS** and Section III, Evaluation and Qualification Criteria.

- 353 The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be considered in Tender evaluation.
- 354 Where the tender involves multiple lots or contracts, the tenderer will be allowed to tender for one or more lots (contracts). Each lot or contract will be evaluated in accordance with ITT 35.2. The methodology to determine the lowest evaluated tenderer or tenderers base done lot (contract) or based on a combination of lots (contracts), will be specified in Section III, Evaluation and Qualification Criteria. In the case of multiple lots or contracts, tenderer will be required to prepare the Eligibility and Qualification Criteria Form for each Lot.

36.0 Comparison of tenders

The Procuring Entity shall compare the evaluated costs of all substantially responsive Tenders established in accordance with ITT 35.2 to determine the Tender that has the lowest evaluated cost.

37.0 Abnormally low tenders and abnormally high tenders

Abnormally Low Tenders

- 371 An Abnormally Low Tender is one where the Tender price, in combination with other elements of the Tender, appears so low that it raises material concerns as to the capability of the Tenderer in regard to the Tenderer's ability to perform the Contract for the offered Tender Price or that genuine competition between Tenderers is compromised.
- 372 In the event of identification of a potentially Abnormally Low Tender, the Procuring Entity shall seek written clarifications from the Tenderer, including detailed price analyses of its Tender price in relation to the subject matter of the contract, scope, proposed methodology, schedule, allocation of risks and responsibilities and any other requirements of the Tender document.
- 373 After evaluation of the price analyses, in the event that the Procuring Entity determines that the Tenderer has failed to demonstrate its capability to perform the Contract for the offered Tender Price, the Procuring Entity shall reject the Tender.

Abnormally high tenders

- 374 An abnormally high tender price is one where the tender price, in combination with other constituent elements of the Tender, appears unreasonably too high to the extent that the Procuring Entity is concerned that it (the Procuring Entity) may not be getting value for money, or it may be paying too high a price for the contract compared with market prices or that genuine competition between Tenderers is compromised.
- 375 In case of an abnormally high price, the Procuring Entity shall make a survey of the market prices, check if the estimated cost of the contract is correct and review the Tender Documents to check if the specifications, scope of work and conditions of contract are contributory to the abnormally high tenders. The Procuring Entity may also seek written clarification from the tenderer on the reason for the high tender price. The Procuring Entity shall proceed as follows:
- i) If the tender price is abnormally high based on the wrong estimated cost of the contract, the Procuring Entity may accept or not accept the tender depending on the Procuring Entity's budget considerations.
 - ii) If specifications, scope of work and/or conditions of contract are contributory to the abnormally high tender prices, the Procuring Entity shall reject all tenders and may retender for the contract based on revised estimates, specifications, scope of work and conditions of contract, as the case may be.
- 376 If the Procuring Entity determines that the Tender Price is abnormally too high because genuine competition between tenderers is compromised, the Procuring Entity shall reject all Tenders and shall institute or cause competent Government Agencies to institute an investigation on the cause of the compromise, before retendering.

38.0 Unbalanced and/ or front-loaded tenders

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

- 382** After the evaluation of the information and detailed price analyses presented by the Tenderer, the Procuring Entity may as appropriate:
- a) accept the Tender;
 - b) require that the total amount of the Performance Security be increased at the expense of the Tenderer to a level not exceeding a 30% of the Contract Price;
 - c) agree on a payment mode that eliminates the inherent risk of the Procuring Entity paying too much for undelivered works;
 - d) reject the Tender,

390 Qualifications of the tenderer

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

392 The determination shall be based upon an examination of the documentary evidence of the Tenderer's qualifications submitted by the Tenderer, pursuant to ITT 17. The determination shall not take into consideration the qualifications of other firms such as the Tenderer's subsidiaries, parent entities, affiliates, subcontractors (other than Specialized Sub-contractors if permitted in the Tender document), or any other firm(s) different from the Tenderer.

393 An affirmative determination shall be a prerequisite for award of the Contract to the Tenderer. A negative determination shall result in disqualification of the Tender, in which event the Procuring Entity shall proceed to the Tenderer who offers a substantially responsive Tender with the next lowest evaluated price to make a similar determination of that Tenderer's qualifications to perform satisfactorily.

400 Lowest evaluated tender

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

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

41.0 Procuring entity's right to accept any tender, and to reject any or all tenders.

The Procuring Entity reserves the right to accept or reject any Tender and to annul the Tender process and reject all Tenders at any time prior to Contract Award, without there by incurring any liability to Tenderers. Incase of annulment, all Tenders submitted and specifically, Tender securities, shall be promptly returned to the Tenderers.

F. AWARD OF CONTRACT

42.0 Award criteria

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

43.0 Notice of Intention to Enter into a Contract/Notification of Award

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

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

44.0 Standstill Period

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

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

45.0 Debriefing by The Procuring Entity

45.1 On receipt of the Procuring Entity's Notification of Intention to Enter into a Contract referred to in ITT 43, an unsuccessful tenderer may make a written request to the Procuring Entity for a debriefing on specific issues or concerns regarding their tender. The Procuring Entity shall provide the debriefing within five days of receipt of the request.

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

46.0 Letter of Award

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

47.0 Signing of Contract

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

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

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

48.0 Performance Security

48.1 Within twenty-one (21) days of the receipt of the Letter of Award from the Procuring Entity, the successful Tenderer shall furnish the Performance Security and, any other documents required in the **TDS**, in accordance with the General Conditions of Contract, subject to ITT 38.2 (b), using the Performance Security and other Forms included in Section X, Contract Forms, or another form acceptable to the Procuring Entity. A foreign institution providing a bank guarantee shall have a correspondent financial institution located in Kenya, unless the Procuring Entity has agreed in writing that a correspondent bank is not required.

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

48.3 Performance security shall not be required for contracts estimated to cost less than the amount specified in the Regulations.

49.0 Publication of Procurement Contract

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

- a) name and address of the Procuring Entity;

- b) name and reference number of the contract being awarded, a summary of its scope and the selection method used;
- c) the name of the successful Tenderer, the final total contract price, the contract duration;
- d) dates of signature, commencement and completion of contract;
- e) names of all Tenderers that submitted Tenders, and their Tender prices as readout at Tender opening.

50.0 Procurement related Complaints and Administrative Review

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

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

Section II - Tender Data Sheet (TDS)

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

Reference to ITC Clause	PARTICULARS OF APPENDIX TO INSTRUCTIONS TO TENDERS
A. General	
ITT 1.1	The name of the contract is: - Proposed Construction of the Tuition Block Phase III for Murang'a University of Technology. The reference number of the Contract is: MUT/T 05/TB PH-III/2026/2027
ITT 2.4	The Information made available on competing firms is as follows: Not Applicable
ITT 2.4	The firms that provided consulting services for the contract being tendered for are: COUNTY QUANTITY SURVEYOR, DEPARTMENT OF PUBLIC WORKS, P.O. BOX 133-10200, MURANG'A, KENYA
ITT 3.1	Maximum number of members in the Joint Venture (JV) shall be: Not Applicable
B. Contents of Tender Document	
ITT 7.1	(i) The Tenderer will submit any request for clarifications in writing at the Address: Murang'a University of Technology, Kiharu; postal Address, P.O Box 75-10200, Murang'a Email: tenders@mut.ac.ke and copy to procurement@mut.ac.ke to reach the Procuring Entity not later than 5 (five) days to the Tender Closing date. (ii) The Procuring Entity shall publish its response at the website www.mut.ac.ke or www.tenders.go.ke
ITT 7.2	(A) A pre-arranged mandatory pretender site visit <i>shall</i> take place at the following date, time and place: On the 7th July 2026, at 11.00 AM at the Murang'a University of Technology, Mariira Campus Boardroom.
ITT 9.1	For Clarification of Tender purposes, for obtaining further information and for purchasing tender documents, the Procuring Entity's address is: Procurement Office, Murang'a University of Technology Main Campus, procurement Department opposite the Old Administration Block during normal working hours [0900 to 1500 hours]. P.O Box 75-10200, Murang'a, Kenya Procurement Department: Phone: 0706-249 039, Email: tenders@mut.ac.ke or procurement@mut.ac.ke.

Reference to ITC Clause	PARTICULARS OF APPENDIX TO INSTRUCTIONS TO TENDERS
C. Preparation of Tenders	
ITT 13.1	Alternative Tenders shall not be considered.
ITT 13.2	Alternative times for completion shall not be permitted .
ITT 13.4	Alternative technical solutions shall not be permitted for any part of the Works.
ITT 14.5	The prices quoted by the Tenderer shall be fixed .
ITT 15.2 (a)	Foreign currency requirements are not allowed .
ITT 18.1	The Tender validity period shall be 120 (One hundred Twenty) days.
ITT 18.3	(a) The Number of days beyond the expiry of the initial tender validity period will be 36 (thirty-six) days. N/A (b) The Tender price shall be adjusted by the following percentages of the tender price: N/A (i) By 7.90 % of the local currency portion of the Contract price adjusted to reflect local inflation during the period of extension, N/A and (ii) By 3.45% the foreign currency portion of the Contract price adjusted to reflect the international inflation during the period of extension. N/A
ITT 19.1	Tenderer shall provide a Tender Security The type of Tender security shall be in the amount of Kenya shillings Six Million only (Kshs. 6,000,000.00) , valid 30 days after tender validity period.
ITT 20.1	In addition to the original of the Tender, the number of copies is: One .
ITT 20.3	The written confirmation of authorization to sign on behalf of the Tenderer shall consist of: Power of Attorney attested by Commissioner of Oaths
D. Submission and Opening of Tenders	
ITT 22.1	(A) For Tender submission purposes <u>only</u> , the Procuring Entity's address is: (1) Procurement Department, Murang'a University of Technology Main Campus, procurement Department opposite the Old Administration Block during normal working hours [0900 to 1500 hours]. P.O Box 75-10200, Murang'a, Kenya Procurement Department: Phone: 0706-249 039, Email: tenders@mut.ac.ke or procurement@mut.ac.ke (2) Date and time for submission of Tenders; on or before 7th July, 2026 at 11.00 A.M (3) Tenderers shall not submit tenders electronically.

Reference to ITC Clause	PARTICULARS OF APPENDIX TO INSTRUCTIONS TO TENDERS
ITT 25.1	<p>The Tender opening shall take place at the time and the address for Opening of Tenders is provided below:</p> <p>(1) Procurement Department,</p> <p>Murang’a University of Technology Main Campus in the Assembly Hall, directly opposite the Directorates Block.</p> <p style="text-align: center;">Murang'a University of Technology Main Campus,</p> <p style="text-align: center;">P.O Box 75-10200, Murang’a, Kenya</p> <p>(2) State date and time of tender opening on or before 7th July, 2025 at 11.00 A.M</p>
ITT 25.1	Tenderers are not allowed to submit Tenders electronically.
E. Evaluation and Comparison of Tenders	
ITT 30.3	The adjustment shall be based on the average price of the item or component as quoted in other Substantially responsive Tenders. If the price of the item or component cannot be derived from the price of other substantially responsive Tenders, the Procuring Entity shall use its best estimate.
TT 32.1	<p>The currency that shall be used for Tender evaluation and comparison purposes only to convert at the selling exchange rate all Tender prices expressed in various currencies into a single currency is: KSHs.</p> <p>The source of exchange rate shall be: The Central bank of Kenya (mean rate)</p> <p>The date for the exchange rate shall be: the date for Submission of the Tenders.</p>
ITT 33.2	A margin of preference shall apply.
ITT 33.4	No tender shall be reserved to any group
ITT 34.1	The Procuring Entity intends to execute certain specific parts of the Works by Subcontractors selected in advance.
ITT 34.2	Contractor’s may propose subcontracting: Maximum percentage of subcontracting permitted is: 40% of the total contract amount. Tenderers planning to subcontract more than 10% of total volume of work shall specify, in the Form of Tender, the activity (ies) or parts of the Works to be subcontracted along with complete details of the subcontractors and their qualification and experience.
ITT 34.3	<p>The parts of the Works for which the Procuring Entity permits Tenderers to propose Specialized Subcontractors are designated as follows:</p> <ol style="list-style-type: none"> 1) Electrical Engineering Installations 2) Mechanical Engineering Installations 3) Suspended Gypsum Ceilings 4) Accoustic Wall & Ceiling Tiles 5) Structural Steel Works 6) Landscaping <p>For the above-designated parts of the Works that shall require Specialized Subcontractors, the relevant qualifications of the proposed Specialized Subcontractors will be added to the qualifications of the Tenderer for the purpose of evaluation.</p>

Reference to ITC Clause	PARTICULARS OF APPENDIX TO INSTRUCTIONS TO TENDERS
ITT 35.2 (e)	Additional requirements apply. These are detailed in the evaluation criteria in Section III, Evaluation and Qualification Criteria. Refer to pages 25 to 27 and 62 to 64
ITT 48.1	Other documents required in addition to the Performance Security are a statement of work methods, equipment, personnel, Work Programme and evidence of Subcontractors' undertaking that they will execute the Subcontract agreement with the Main Contractor.
ITT 50.1	<p>The procedures for making a Procurement-related Complaint are detailed in the “Notice of Intention to Award the Contract” herein and are also available from the PPRA Website www.ppra.go.ke or email complaints@ppra.go.ke.</p> <p>If a Tenderer wishes to make a Procurement-related Complaint, the Tenderer should submit its complaint following these procedures, in writing (by the quickest means available, that is either by hand delivery or email to:</p> <p>For the attention: Prof. Dickson Nyariki, Ph.D.</p> <p>Title/position: Vice Chancellor</p> <p>Procuring Entity: Murang’a University of Technology</p> <p>Email address: info@mut.ac.ke and copy to vc@mut.ac.ke</p> <p>In summary, a Procurement-related Complaint may challenge any of the following (among others):</p> <ul style="list-style-type: none"> (i) the terms of the Tender Documents; and (ii) the Procuring Entity’s decision to award the contract.

SECTION III - EVALUATION AND QUALIFICATION CRITERIA

10 GENERAL PROVISIONS

11 This section contains the criteria that the Employer shall use to evaluate tender and qualify tenderers. No other factors, methods or criteria shall be used other than specified in this tender document. The Tenderer shall provide all the information requested in the forms included in Section IV, Tendering Forms. The Procuring Entity shall use **the Standard Tender Evaluation Document for Goods and Works** for evaluating Tenders.

12 Wherever a Tenderer is required to state a monetary amount, Tenderers should indicate the Kenya Shilling equivalent using the rate of exchange determined as follows:

- a) For construction turnover or financial data required for each year - Exchange rate prevailing on the last day of the respective calendar year (in which the amount for that year is to be converted) was originally established.
- b) Value of single contract - Exchange rate prevailing on the date of the contract signature.
- (c) Exchange rates shall be taken from the publicly available source identified in the ITT 14.3. Any error in determining the exchange rates in the Tender may be corrected by the Procuring Entity.

13 EVALUATION AND CONTRACT AWARD CRITERIA

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

2.0 PRELIMINARY EXAMINATION FOR DETERMINATION OF RESPONSIVENESS

Preliminary examination for Determination of Responsiveness

The Procuring Entity will start by examining all tenders to ensure they meet in all respects the eligibility criteria and other mandatory requirements in the ITT, and that the tender is complete in all aspects in meeting the requirements provided for in the preliminary evaluation criteria outlined below. The Standard Tender Evaluation Report Document for Goods and Works for evaluating Tenders provides very clear guide on how to deal with review of these requirements. Tenders that do not pass the Preliminary Examination will be considered non-responsive and will not be considered further.

To facilitate the Preliminary Examination a template is attached showing the list of documentation to be submitted to enable the evaluation of the Tender. (Refer to pages 25 to 27 and 62 to 64 herein)

3.0 TENDER EVALUATION (ITT 35)

Price evaluation: in addition to the criteria listed in ITT 35.2 (a) – (d) the following criteria shall apply:

- (i) Alternative Completion Times **shall not apply**.
- (ii) Alternative Technical Solutions for specified parts of the Works **shall not apply**
- (iii) Other Criteria: **Not Applicable**

4.0 MULTIPLE CONTRACTS

41 Multiple contracts will not be permitted in accordance with ITT 35.4. The Multiple **Contract does not apply.**

60 MARGIN OF PREFERENCE

61 If the TDS so specifies, the Procuring Entity will grant a margin of preference of fifteen percent (15%) to be loaded on evaluated prices of the foreign tenderers, where the percentage of shareholding of Kenyan citizens is less than fifty- one percent (51%).

62 Contractors shall be asked to provide, as part of the data for qualification, such information, including details of ownership, as shall be required to determine whether, according to the classification established by the Procuring Entity, a particular contractor or group of contractors qualifies for a margin of preference.

63 After Tenders have been received and reviewed by the Procuring Entity, responsive Tenders shall be assessed to ascertain their percentage of shareholding of Kenyan citizens. Responsive tenders shall be classified into the following groups:

- i) *Group A:* tenders offered by Kenyan Contractors and other Tenderers where Kenyan citizens hold shares of over fifty one percent (51%).
- ii) *Group B:* tenders offered by foreign Contractors and other Tenderers where Kenyan citizens hold shares of less than fifty one percent (51%).

64 All evaluated tenders in each group shall, as a first evaluation step, be compared to determine the lowest tender, and the lowest evaluated tender in each group shall be further compared with each other. If, as a result of this comparison, a tender from Group A is the lowest, it shall be selected for the award of contract. If a tender from Group B is the lowest, an amount equal to the percentage indicated in Item 6.1 of the respective tender price, including unconditional discounts and excluding provisional sums and the cost of day works, if any, shall be added to the evaluated price offered in each tender from Group B. All tenders shall then be compared using new prices with added prices to Group B and the lowest evaluated tender from Group A. If the tender from Group A is still the lowest tender, it shall be selected forward. If not, the lowest evaluated tender from Group B based on the first evaluation price shall be selected.

7. Post qualification and Contract award (ITT 39), more specifically,

- a) In case the tender was subject to post-qualification, the contract shall be awarded to the lowest evaluated tenderer, subject to confirmation of pre-qualification data, if so required.
- b) In case the tender was not subject to post-qualification, the tender that has been determined to be the lowest evaluated tenderer shall be considered for contract award, subject to meeting each of the following conditions.
 - i) The Tenderer shall demonstrate that it has access to, or has available, liquid assets, unencumbered real assets, lines of credit, and other financial means (independent of any contractual advance Payment) sufficient to meet the construction cash flow of **Kenya Shillings 30,000,000.00 (Kshs. Thirty million only) per month**
 - ii) Minimum average annual construction turnover of **Kenya Shillings 375,000,000.00 (Kshs. Three hundred and seventy-five million only)** equivalent calculated as total certified payments received for contracts in progress and/or completed within the last **five (5)** years.
- iii) At least **two (2)** of contract(s) of a similar nature executed within Kenya, or the East African Community or a broad, that have been satisfactorily and substantially completed as a prime contractor, or joint venture member or sub-contractor each of minimum value **Kenya shillings 250,000,000.00 (Kshs. Two hundred and fifty million)** equivalent.
- iv) Contractor's Representative and Key Personnel, which are specified as **Construction Manager**
- v) Contractor's key equipment listed on the table "Contractor's Equipment" below and more specifically listed as **applicable.**

iv) Other conditions depending on their seriousness.

a) **History of non-performing contracts:**

Tenderer and each member of JV in case the Tenderer is a JV, shall demonstrate that Non-performance of a contract did not occur because of the default of the Tenderer, or the member of a JV in the last five years. The required information shall be furnished in the appropriate form.

b) **Pending Litigation**

Financial position and prospective long-term profitability of the Single Tenderer, and in the case the Tenderer is a JV, of each member of the JV, shall remain sound according to criteria established with respect to Financial Capability under Paragraph (i) above if all pending litigation will be resolved against the Tenderer. Tenderer shall provide information on pending litigations in the appropriate form.

c) **Litigation History**

There shall be no consistent history of court/arbitral award decisions against the Tenderer, in the last Five years. All parties to the contract shall furnish the information in the appropriate form about any litigation or arbitration resulting from contracts completed or on going under its execution over the years specified. A consistent history of awards against the Tenderer or any member of a JV may result in rejection of the tender.

QUALIFICATION FORM*

1	2	3	4	5
Item No.	Qualification Subject	Qualification Requirement	Document To be Completed by Tenderer	For Procuring Entity's Use (Qualification met or Not Met)
1	Nationality	Nationality in accordance with ITT 3.6	Forms ELI – 1.1 and 1.2, with attachments	
2	Tax Obligations for Kenyan Tenderers	Has produced a current tax clearance certificate or tax exemption certificate issued by Kenya Revenue Authority in accordance with ITT 3.14.	Attachment	
3	Conflict of Interest	No conflicts of interest in accordance with ITT 3.3	Form of Tender	
4	PPRA Eligibility	Not having been declared ineligible by the PPRA as described in ITT 3.7	Form of Tender	
5	State- owned Enterprise	Meets conditions of ITT 3.8	Forms ELI – 1.1 and 1.2, with attachments	
6	Goods, equipment and services to be supplied under the contract	To have their origin in any country that is not determined ineligible under ITT 4.1	Forms ELI – 1.1 and 1.2, with attachments	
7	History of Non-Performing Contracts	Non-performance of a contract did not occur as a result of contractor default since 1st January 2018.	Form CON-2	
8	Suspension Based on Execution of Tender/Proposal Securing Declaration by the Procuring Entity	Not under suspension based on-execution of a Tender/Proposal Securing Declaration pursuant to ITT 19.9	Form of Tender	
9	Pending Litigation	Tender's financial position and prospective long-term profitability still sound according to criteria established in 3.1 and assuming that all pending litigation will NOT be resolved against the Tenderer.	Form CON – 2	
10	Litigation History	No consistent history of court/arbitral award decisions against the Tenderer since 1st January 2018.	Form CON – 2	

1	2	3	4	5
Item No.	Qualification Subject	Qualification Requirement	Document To be Completed by Tenderer	For Procuring Entity's Use (Qualification met or Not Met)
11	Financial Capabilities	<p>(i) The Tenderer shall demonstrate that it has access to, or has available, liquid assets, unencumbered real assets, lines of credit, and other financial means (independent of any contractual advance payment) sufficient to meet the construction cash flow requirements estimated as Kenya Shillings 30,000,000.00 per month equivalent for the subject contract(s) net of the Tenderer's other commitments.</p> <p>(ii) The Tenderers shall also demonstrate, to the satisfaction of the Procuring Entity, that it has adequate sources of finance to meet the cash flow requirements on works currently in progress and for future contract commitments.</p> <p>(iii) The audited balance sheets or, if not required by the laws of the Tenderer's country, other financial statements acceptable to the Procuring Entity, for the last three years shall be submitted and must demonstrate the current soundness of the Tenderer's financial position and indicate its prospective long-term profitability.</p>	Form FIN – 3.1, with attachments	
12	Average Annual Construction Turnover	Minimum average annual construction turnover of Kenya Shillings 375,000,000.00. equivalent calculated as total certified payments received for contracts in progress and/or completed within the last five years, divided by three years	Form FIN – 3.2	
13	General Construction Experience	Experience under construction contracts in the role of prime contractor, JV member, sub-contractor, or management contractor for at least the last five years , starting 1st January 2018.	Form EXP – 4.1	

1	2	3	4	5
Item No.	Qualification Subject	Qualification Requirement	Document To be Completed by Tenderer	For Procuring Entity's Use (Qualification met or Not Met)
14	Specific Construction & Contract Management Experience	<p>A minimum number of two similar contracts specified below that have been satisfactorily and substantially completed as a prime contractor, joint venture member, management contractor or sub-contractor between 1st June 2021 and tender submission deadline i.e. two contracts, each of minimum value Kenya shillings 100,000,000.00 equivalent.</p> <p>The similarity of the contracts shall be based on the following:</p> <ol style="list-style-type: none"> 1) The construction is in three level comprising, lecture rooms, lecture theatres, teaching laboratories. The overall floor area is square metres. 2) The building is framed with reinforced concrete filled with masonry walling and the suspended floors are similar in concrete. 3) Specialized subcontractor for Electrical and Mechanical Engineering Installations, Suspended Gypsum Ceilings, Accoustic wall and ceiling finishes. 4) The site is complex with a terrain differential on original ground level by more than 12 metres. Extensive stormwater drainage due to the terrain. Other auxiliary External Works in include Driveway, Parkings, Foul Drainage and Landscaping 	Form EXP 4.2(a)	

SECTION IV - TENDERING FORMS

QUALIFICATION FORMS

1. FOREIGN TENDERERS 40%RULE

Pursuant to ITT 3.9, a foreign tenderer must complete this form to demonstrate that the tender fulfills this condition.

ITEM	Description of Work Item	Describe location of Source	COST in K. shillings	Comments, if any
A	Local Labor			
1				
2				
3				
4				
5				
B	Sub contracts from Local sources			
1				
2				
3				
4				
5				
C	Local materials			
1				
2				
3				
4				
5				
D	Use of Local Plant and Equipment			
1				
2				
3				
4				
5				
E	Add any other items			
1				
2				
3				
4				
5				
6				
	TOTAL COST LOCAL CONTENT		XXXXX	
	PERCENTAGE OF CONTRACT PRICE			

2. FORMEQU: EQUIPMENT

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

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

Omit the following information for equipment owned by the Tenderer.

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

3. FORM PER -1

Contractor's Representative and Key Personnel Schedule

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

Contractor' Representative and Key Personnel

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

4. FORM PER - 2:

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

Name of Tenderer

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

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

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

Declaration

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

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

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

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

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

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

Signature: _____

Date: (day month year): _____

Countersignature of authorized representative of the Tenderer:

Signature: _____

Date: (day month year): _____

5. TENDERERS' QUALIFICATION WITHOUT PREQUALIFICATION

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

51 FORM ELI -1.1

Tenderer Information Form

Date: _____

ITT No. and title: _____

Tenderer's name
In case of Joint Venture (JV), name of each member:
Tenderer's actual or intended country of registration: <i>[indicate country of Constitution]</i>
Tenderer's actual or intended year of incorporation:
Tenderer's legal address [in country of registration]:
Tenderer's authorized representative information Name: _____ Address: _____ Telephone/Fax numbers: _____ E-mail address: _____
1. Attached are copies of original documents of <input type="checkbox"/> Articles of Incorporation (or equivalent documents of constitution or association), and/or documents of registration of the legal entity named above, in accordance with ITT 3.6 <input type="checkbox"/> In case of JV, letter of intent to form JV or JV agreement, in accordance with ITT 3.5 <input type="checkbox"/> In case of state-owned enterprise or institution, in accordance with ITT 3.8, documents establishing: <ul style="list-style-type: none">• Legal and financial autonomy• Operation under commercial law<ol style="list-style-type: none">1. Establishing that the Tenderer is not under the supervision of the Procuring Entity2. Included are the organizational chart and a list of Board of Directors

52 FORM ELI -1.2

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

Date: _____

ITT No. and title: _____

Tenderer's JV name:
JV member's name:
JV member's country of registration:
JV member's year of constitution:
JV member's legal address in country of constitution:
JV member's authorized representative information Name: _____ Address: _____ Telephone/Fax numbers: _____ E-mail address: _____
1. Attached are copies of original documents of <input type="checkbox"/> Articles of Incorporation (or equivalent documents of constitution or association), and/or registration documents of the legal entity named above, in accordance with ITT 3.6. <input type="checkbox"/> In case of a state-owned enterprise or institution, documents establishing legal and financial autonomy, operation in accordance with commercial law, and that they are not under the supervision of the Procuring Entity, in accordance with ITT 3.5.
2. Included are the organizational chart and a list of Board of Directors.

Historical Contract Non-Performance, Pending Litigation and Litigation History

Tenderer's Name: _____

Date: _____

JV Member's Name _____

ITT No. and title: _____

Non-Performed Contracts in accordance with Section III, Evaluation and Qualification Criteria			
<input type="checkbox"/> Contract non-performance did not occur since 1 st January 2018 specified in Section III, Evaluation and Qualification Criteria, Sub-Factor 2.1.			
<input type="checkbox"/> Contract(s) not performed since 1 st January 2018 specified in Section III, Evaluation and Qualification Criteria, requirement 2.1			
<input type="checkbox"/> Contract(s) withdrawn since 1 st January 2018 specified in Section III, Evaluation and Qualification Criteria, requirement 2.1			
Year	Non- performed portion of contract	Contract Identification	Total Contract Amount (current value, currency, exchange rate and Kenya Shilling equivalent)
[insert year]	[insert amount and percentage]	Contract Identification: [indicate complete contract name/ number, and any other identification] Name of Procuring Entity: [insert full name] Address of Procuring Entity: [insert street/city/country] Reason(s) for nonperformance: [indicate main reason(s)]	[insert amount]
Pending Litigation, in accordance with Section III, Evaluation and Qualification Criteria			
<input type="checkbox"/> No pending litigation in accordance with Section III, Evaluation and Qualification Criteria, Sub-Factor 2.3.			
<input type="checkbox"/> Pending litigation in accordance with Section III, Evaluation and Qualification Criteria, Sub-Factor 2.3 as indicated below.			

Year of dispute	Amount in dispute (currency)	Contract Identification	Total Contract Amount (currency), Kenya Shilling Equivalent (exchange rate)
		Contract Identification: _____ Name of Procuring Entity: _____ Address of Procuring Entity: _____ Matter in dispute: _____ Party who initiated the dispute: _____ Status of dispute: _____	
		Contract Identification: _____ Name of Procuring Entity: _____ Address of Procuring Entity: _____ Matter in dispute: _____ Party who initiated the dispute: _____ Status of dispute: _____	
Litigation History in accordance with Section III, Evaluation and Qualification Criteria			
<input type="checkbox"/> No Litigation History in accordance with Section III, Evaluation and Qualification Criteria, Sub-Factor 2.4.			
<input type="checkbox"/> Litigation History in accordance with Section III, Evaluation and Qualification Criteria, Sub-Factor 2.4 as indicated below.			

Year of dispute	Amount in dispute (currency)	Contract Identification	Total Contract Amount (currency), Kenya Shilling Equivalent (exchange rate)
<i>[insert year]</i>	<i>[insert percentage]</i>	Contract Identification: <i>[indicate complete contract name, number, and any other identification]</i> Name of Procuring Entity: <i>[insert full name]</i> Address of Procuring Entity: <i>[insert street/city/country]</i> Matter in dispute: <i>[indicate main issues in dispute]</i> Party who initiated the dispute: <i>[indicate "Procuring Entity" or "Contractor"]</i> Reason(s) for Litigation and award decision <i>[indicate main reason(s)]</i>	<i>[insert amount]</i>

Include details relating to potential bid-rigging practices such as previous occasions where tenders were withdrawn, joint bids with competitors, subcontracting work to unsuccessful tenderers, etc.

54 FORM FIN – 3.1:

Financial Situation and Performance

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

5.4.1. Financial Data

Type of Financial information in _____ (currency)	Historic information for previous _____ years, (amount in currency, currency, exchange rate*, USD equivalent)				
	Year 1	Year 2	Year 3	Year 4	Year 5
Statement of Financial Position (Information from Balance Sheet)					
Total Assets (TA)					
Total Liabilities (TL)					
Total Equity/Net Worth (NW)					
Current Assets (CA)					
Current Liabilities (CL)					
Working Capital (WC)					
Information from Income Statement					
Total Revenue (TR)					
Profits Before Taxes (PBT)					
Cash Flow Information					
Cash Flow from Operating Activities					

*Refer to ITT 15 for the exchange rate

5.4.2 Sources of Finance

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

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

5.4.3 Financial documents

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

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

Attached are copies of financial statements¹ for the **three years** required above; and complying with the requirements.

¹ If the most recent set of financial statements is for a period earlier than 12 months from the date of Tender, the reason for this should be justified.

55 **FORM FIN – 3.2:**

Average Annual Construction Turnover

Tenderer's Name: _____

Date: _____

JV Member's Name _____

ITT No. and title: _____

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

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

56 FORM FIN – 3.3:**Financial Resources**

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

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

57 FORM FIN – 3.4:**Current Contract Commitments / Works in Progress**

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

Current Contract Commitments					
No.	Name of Contract	Procuring Entity's Contact Address, Tel,	Value of Outstanding Work [Current Kenya Shilling /month Equivalent]	Estimated Completion Date	Average Monthly Invoicing Over Last Six Months [Kenya Shilling /month]
1					
2					
3					
4					
5					

General Construction Experience

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

Page _____ of _____ pages

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

59 FORM EXP - 4.2(a)

Specific Construction and Contract Management Experience

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

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

5.9 FORM EXP - 4.2(a)

Specific Construction and Contract Management Experience

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

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

5.9 FORM EXP - 4.2 (a) (cont.)

Specific Construction and Contract Management Experience (cont.)

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

5.10 FORM EXP - 4.2(b)

Construction Experience in Key Activities

Tenderer's Name: _____

Date: _____

Tenderer's JV Member Name: _____

Sub-contractor's Name² (as per ITT 34): _____

ITT No. and title: _____

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

1. Key Activity No One: _

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

² If applicable

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

2. Activity No. Two

3.

and 4;

- iii) **Tender - Securing Declaration:** We have not been suspended nor declared ineligible by the Procuring Entity based on execution of a Tender-Securing or Proposal-Securing Declaration in the Procuring Entity's Country in accordance with ITT 19.8;
- iv) **Conformity:** We offer to execute in conformity with the tendering documents and in accordance with the implementation and completion specified in the construction schedule, the following Works: *[insert a brief description of the Works]*;
- v) **Tender Price:** The total price of our Tender, excluding any discounts offered in item 1 above is: *[Insert one of the options below as appropriate]*
- vi) **Option 1**, in case of one lot: Total price is: *[insert the total price of the Tender in words and figures, indicating the various amounts and the respective currencies]*; or
Option 2, in case of multiple lots:
 - (a) **Total price of each lot** *[insert the total price of each lot in words and figures, indicating the various amounts and the respective currencies]*; and
 - (b) **Total price of all lots** (sum of all lots) *[insert the total price of all lots in words and figures, indicating the various amounts and the respective currencies]*;
- vii) **Discounts:** The discounts offered and the methodology for their application are:
- viii) The discounts offered are: *[Specify in detail each discount offered.]*
- ix) The exact method of calculations to determine the net price after application of discounts is shown below: *[Specify in detail the method that shall be used to apply the discounts]*;
- x) **Tender Validity Period:** Our Tender shall be valid for the period specified in TDS 18.1 (as amended, if applicable) from the date fixed for the Tender submission deadline specified in TDS 22.1 (as amended, if applicable), and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- xi) **Performance Security:** If our Tender is accepted, we commit to obtain a Performance Security in accordance with the Tendering document;
- xii) **One Tender Per Tender:** We are not submitting any other Tender(s) as an individual Tender, and we are not participating in any other Tender(s) as a Joint Venture member or as a sub-contractor, and meet the requirements of ITT 3.4, other than alternative Tenders submitted in accordance with ITT 13.3;
- xiii) **Suspension and Debarment:** We, along with any of our subcontractors, suppliers, Engineer, manufacturers, or service providers for any part of the contract, are not subject to, and not controlled by any entity or individual that is subject to, a temporary suspension or a debarment imposed by the Public Procurement Regulatory Authority or any other entity of the Government of Kenya, or any international organization.
- xiv) **State-owned enterprise or institution:** *[select the appropriate option and delete the other]* *[We are not a state-owned enterprise or institution]*/*[We are a state-owned enterprise or institution but meet the requirements of ITT3.8]*;
- xv) **Commissions, gratuities, fees:** We have paid, or will pay the following commissions, gratuities, or fees with respect to the tender process or execution of the Contract: *[insert complete name of each Recipient, its full address, the reason for which each commission or gratuity was paid and the amount and currency of each such commission or gratuity]*.

Name of Recipient	Address	Reason	Amount

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

- xvi) **Binding Contract:** We understand that this Tender, together with your written acceptance there of included in your Letter of Acceptance, shall constitute a binding contract between us, until a formal contract is prepared and executed;
- xvii) **Not Bound to Accept:** We understand that you are not bound to accept the lowest evaluated cost Tender, the Most Advantageous Tender or any other Tender that you may receive;
- xviii) **Fraud and Corruption:** We here by certify that we have taken steps to ensure that no person acting for us or on our behalf engages in any type of Fraud and Corruption; and
- xix) **Collusive practices:** We hereby certify and confirm that the tender is genuine, non-collusive and made with the intention of accepting the contract if awarded. To this effect we have signed the “Certificate of Independent Tender Determination” attached below.
- xx) We undertake to adhere by the Code of Ethics for Persons Participating in Public Procurement and Asset Disposal, copy available from _____ (*specify website*) during the procurement process and the execution of any resulting contract.
- xxi) **Beneficial Ownership Information:** We commit to provide to the procuring entity the Beneficial Ownership Information in conformity with the Beneficial Ownership Disclosure Form upon receipt of notification of intention to enter into a contract in the event we are the successful tenderer in this subject procurement proceeding.
- xxii) We, the Tenderer, have duly completed, signed and stamped the following Forms as part of our Tender:
 - a) Tenderer's Eligibility; Confidential Business Questionnaire - to establish we are not in any conflict of interest.
 - (b) Certificate of Independent Tender Determination - to declare that we completed the tender without colluding with other tenderers.
 - (a) Self-Declaration of the Tenderer - to declare that we will, if awarded a contract, not engage in any form of fraud and corruption.
 - (d) Declaration and commitment to the Code of Ethics for Persons Participating in Public Procurement and Asset Disposal.

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

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

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

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

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

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

Date signed _____ day of _____, _____

Notes

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

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

(a) **TENDERER'S ELIGIBILITY-CONFIDENTIAL BUSINESS QUESTIONNAIRE**

Instruction to Tenderer

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

(a) **Tenderer's details**

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

General and Specific Details

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

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

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

	Names of Partners	Nationality	Citizenship	% Shares owned
1				
2				
3				

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

I) Private or public Company _____

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

Nominal Kenya Shillings (Equivalent).....

Issued Kenya Shillings (Equivalent).....

iii) Give details of Directors as follows.

	Names of Director	Nationality	Citizenship	% Shares owned
1				
2				
3				

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

i) Are there any person/persons in **Murang'a University of Technology** who has/have an interest or relationship in this firm? Yes/No.....

If yes, provide details as follows.

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

(i) Conflict of interest disclosure

	Type of Conflict	Disclosure YES OR NO	If YES provide details of the relationship with Tenderer
1	Tenderer is directly or indirectly controls, is controlled by or is under common control with another tenderer.		
2	Tenderer receives or has received any direct or indirect subsidy from another tenderer.		
3	Tenderer has the same legal representative as another tenderer		
4	Tender has a relationship with another tenderer, directly or through common third parties, that puts it in a position to influence the tender of another tenderer or influence the decisions of the Procuring Entity regarding this tendering process.		
5	Any of the Tenderer's affiliates participated as a consultant in the preparation of the design or technical specifications of the works that are the subject of the tender.		
6	Tenderer would be providing goods, works, non-consulting services or consulting services during implementation of the contract specified in this Tender Document.		

	Type of Conflict	Disclosure YES OR NO	If YES provide details of the relationship with Tenderer
7	Tenderer has a close business or family relationship with a professional staff of the Procuring Entity who are directly or indirectly involved in the preparation of the Tender document or specifications of the Contract, and/or the Tender evaluation process of such contract.		
8	Tenderer has a close business or family relationship with a professional staff of the Procuring Entity who would be involved in the implementation or supervision of the such Contract.		
9	Has the conflict stemming from such relationship stated in item 7 and 8 above been resolved in a manner acceptable to the Procuring Entity throughout the tendering process and execution of the Contract.		

Certification

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

Full Name _____

Title or Designation _____

(Signature)

(Date)

b) CERTIFICATE OF INDEPENDENT TENDER DETERMINATION

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

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

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

Name _____
Title _____
Date _____

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

(c) **SELF-DECLARATION FORMS**

FORM SD1

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

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

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

.....
(Title)

.....
(Signature)

.....
(Date)

Bidder Official Stamp

FORM SD2

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

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

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

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

Bidder's Official Stamp

DECLARATION AND COMMITMENT TO THE CODE OF ETHICS

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

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

Name of Authorized signatory.....

Sign.....

Position.....

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

E-mail.....

Name of the Firm/Company.....

Date.....

(Company Seal/ Rubber Stamp where applicable)

Witness

Name.....

Sign.....

Date.....

(d) APPENDIX 1 - FRAUD AND CORRUPTION

1. Purpose

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

2. Requirements

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

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

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

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

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

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

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

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

Beneficiary: _____

Request for Tenders No:

Date: _____

TENDER GUARANTEE No.: _____

Guarantor: _____

1. We have been informed that _____ (here in after called "the Applicant") has submitted or will submit to the Beneficiary its Tender (here in after called" the Tender") for the execution of _____ under Request for Tenders No. _____ ("the ITT").
2. Furthermore, we understand that, according to the Beneficiary's conditions, Tenders must be supported by a Tender guarantee.
3. At the request of the Applicant, we, as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of _____ (_____) upon receipt by us of the Beneficiary's complying demand, supported by the Beneficiary's statement, whether in the demand itself or a separate signed document accompanying or identifying the demand, stating that either the Applicant:
 - (a) has withdrawn its Tender during the period of Tender validity set forth in the Applicant's Letter of Tender ("the Tender Validity Period"), or any extension thereto provided by the Applicant; or
 - b) having been notified of the acceptance of its Tender by the Beneficiary during the Tender Validity Period or any extension there to provided by the Applicant, (i) has failed to execute the contract agreement, or (ii) has failed to furnish the Performance.
4. This guarantee will expire: (a) if the Applicant is the successful Tenderer, upon our receipt of copies of the contract agreement signed by the Applicant and the Performance Security and, or (b) if the Applicant is not the successful Tenderer, upon the earlier of (i) our receipt of a copy of the Beneficiary's notification to the Applicant of the results of the Tendering process; or (ii) thirty days after the end of the Tender Validity Period.
5. Consequently, any demand for payment under this guarantee must be received by us at the office indicated above on or before that date.

[signature(s)]

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

FORMAT OF TENDER SECURITY [Option 2–Insurance Guarantee]

TENDER GUARANTEE No.: _____

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

Sealed with the Common Seal of the said Guarantor this ___day of _____20__.

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

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

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

[Date]

[Signature of the Guarantor]

[Witness]

[Seal]

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

FORM OF TENDER - SECURING DECLARATION

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

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

Tender No *[insert number of tendering process]*

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

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

Signed:Capacity/title (director or partner or sole proprietor, etc.)

Name Duly authorized to sign the bid for and on behalf of: *[insert complete name of Tenderer]*

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

Appendix to Tender

Schedule of Currency requirements

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

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

SECTION III - EVALUATION AND QUALIFICATION CRITERIA

Further to paragraph 2.0 under Section III, the following mandatory requirements shall be considered in the Preliminary evaluation to be conducted by Murang'a University of Technology.

ITEM	MANDATORY REQUIREMENTS	<i>For Procuring Entity's Use (Qualification met or Not Met)</i>
MR1	Registration under the Companies Act Cap. 486 Certified Copy of Certificate of Incorporation / Registration. This should include change of Particulars Where applicable. (All sub-contractors shall be required to meet this requirement)	
MR2	Provide CR12 issued within the last Six (6) months before tender submission date for all local bidders and national identity cards of directors for all local tenderers. International bidders will be required to provide CR12 of their local agents	
MR3	Valid Tax Compliance Certificate issued by Kenya Revenue Authority. (All domestic sub-contractors shall be required to meet this requirement)	
MR4	<ul style="list-style-type: none"> • A copy of Valid National Construction Authority (NCA) Registration Certificate – Building Works Category (NCA 2 and above) • A copy of Current National Construction Authority (NCA) Annual License for Building Works 	
MR5	<ul style="list-style-type: none"> • A copy of Valid National Construction Authority (NCA) Registration Certificate – Electrical Services Category (NCA 4 and above) for Subcontractor • A copy of Current National Construction Authority (NCA) Annual License for Electrical Works for Subcontractor • Valid EPRA certificate under category B1 or above. 	
MR6	<ul style="list-style-type: none"> • A copy of Valid National Construction Authority (NCA) Registration Certificate – Mechanical Services Category (NCA 4 and above) for Subcontractor • A copy of Current National Construction Authority (NCA) Annual License for Mechanical Works for Subcontractor. 	
MR7	Valid copy of business permit /business license	
MR8	Work place registration certificate.	
MR9	Tender security (As per Invitation to Tender notice) of tender sum amount valid for 30 days after expiry of the tender validity period.	
MR10	Power of Attorney authorizing the legal representative to sign the tender.	
MR11	The Form of Tender shall be duly filled, signed, and stamped	
MR12	The Confidential Business Questionnaire shall be duly filled, signed, and stamped.	

ITEM	MANDATORY REQUIREMENTS	<i>For Procuring Entity's Use (Qualification met or Not Met)</i>
MR 13	Duly filled, signed and stamped Self-Declaration Form SD1 (Public Procurement and Disposal Act Non-Debarment Form.	
MR 14	Duly filled, signed and stamped Self- Declaration Form SD2 (Anti-corruption pledge).	
MR15	<p>Proof of Site Visit (<i>duly filled, signed, and stamped site visit form attached herewith for reference</i>).</p> <p>This form must be signed and stamped by Murang'a University of Technology representative on the specified date of site visit. The Tenderer shall provide proof that its representative is a permanent employee of the firm.</p>	
MR 16	Must attach details of the Litigation History of the company (both court and arbitration cases) authorized by an attorney of oaths.	
MR 17	Certified and signed audited accounts for the years 2023, 2024 and 2025. For purpose of the Evaluation the Accounts are considered to be certified if issued by a registered CPA firm recognized by ICPAK and signed by the Companies Directors.	
MR 18	Original bank statements for the last one year certified by the respective bank(s).	
MR 19	Tenderer shall provide proof of details of physical addresses of the Company/business, attach a lease agreement or proof of ownership of the office. Attach copies of premises ownership/lease or utility bills over the last 6 months.	
MR 20	Duly filled, signed, and stamped Certificate of Independent Tender Determination	
MR21	Duly filled, signed, and stamped Self Declaration form that the tenderer will not engage in any corrupt or Fraudulent Practice (All parties to the joint venture to provide this requirement) (All sub-contractors shall be required to meet this requirement)	
MR22	Duly filled, signed, and stamped Declaration and Commitment to the Code of Ethics. (All sub-contractors shall be required to meet this requirement)	
MR23	Letter of Authority from the bidder to seek enquires from the Banks, SHA, NSSF and any other corporate bodies in regard to this tender. (All sub-contractors shall be required to meet this requirement)	
MR24	Valid NSSF Compliance Certificate (Certified by NSSF). (All sub-contractors shall be required to meet this requirement)	
MR25	Valid SHA Compliance Certificate (Certified by SHA). (All sub-contractors shall be required to meet this requirement)	
MR26	<p>The bid document "Original" and "Copies" must be sequentially paginated /serialized.</p> <p>Bidders Must have set of their documents paginated (Serialized) to ensure compliance with section 78(5) of Public procurement and Assets Disposal Act, 2015. (From the first page In format 1,2,3,4to the last page)</p>	
Tenders that do not pass the Preliminary Examination will be considered non-responsive and will not be considered further.		

1. TECHNICAL EVALUATION

To be considered responsive and qualify for financial evaluation, tenders must score a minimum of 70% on the following technical criteria:

Item	Description	Point Scored	Max. Point
1.	<p><u>No. of Years in Business</u></p> <p>a) 1-5 Years</p> <p>b) 6-10 Years</p> <p>c) Over 10 Years</p>	<p>3</p> <p>4</p> <p>5</p>	5
2.	<p><u>Specific Experience in Construction Works</u></p> <p><i>Provide</i></p> <p><i>Experience of the firm in construction works with a turnover of more than Kshs 600,000,000.00.</i></p> <p><i>Construction of works completed within the last five years (present in a table format & attach copies of either completion certificates, handing over certificates & LSO/ Contracts.</i></p> <p><i>The Certificate(s) should be signed by a technical Project Manager.</i></p> <p>a) 1 Projects</p> <p>b) 2 or more Projects</p>	<p>3</p> <p>5</p>	5
3.	<p>Key Personnel (Attach evidence)</p>		15
a)	<p><u>Contract / Project Manager (Degree Holder):</u></p> <p>At least 1 No. Degree holder in relevant technical field</p> <ul style="list-style-type: none"> ○ With over 10 years relevant experience -----7 ○ With 5 - 9 years relevant experience ----- 5 ○ With under 5 years relevant experience -----2 		7
b)	<p><u>Site Agent / Foreman (Degree / Diploma Holder):</u></p> <p>At least 1 No. Degree / Diploma holder in relevant</p>		5

c)	technical field <ul style="list-style-type: none"> ○ With over 10 years relevant experience -----5 ○ With 5 - 9 years relevant experience ----- 3 ○ With under 5 years relevant experience -----1 			
	<u>Site Artisans (Diploma / Certificate / Grade Test Holders):</u> At least 3 No artisan (Diploma / Certificate / Grade Test in relevant Engineering field) <ul style="list-style-type: none"> ○ Three Artisans with relevant experience ----- 3 ○ Two Artisans with relevant experience----- 2 ○ One Artisan with relevant experience ----- 1 		3	
4	Contracts Ongoing/completed in the last five (5) years (The most significant 3 No. Projects to be evaluated) <ul style="list-style-type: none"> ○ Projects of similar nature, complexity and magnitude -----5 per Project ○ Projects of value 2/3 of the value of the Project 2 per Project ○ Projects of value 1/3 of the value of the Project 1 per Project ○ No completed project of similar nature----- 0 	15		
5	Schedule of contractors equipment relevant for the project (proof or evidence of ownership required) <ul style="list-style-type: none"> ○ Heavy commercial equipment (4 equipment to be evaluated) 8 ○ Site vehicles: Trucks, tippers, pickups and the like (4 equipment to be evaluated) ----- 4 ○ Other site equipment: concrete mixers, vibrators, pumps and the like (6 equipment to be evaluated)----- 3 	15		
6	Financial Capability Audited financial report (last three (3) years) <ul style="list-style-type: none"> ○ Turn over greater or equal to 3 times the cost of the project --- 5 	5	15	

	<ul style="list-style-type: none"> ○ Turn over greater or equal to 1.5 times the cost of the project 3 ○ Turn over greater or equal to the cost of the project - 2 ○ Turn over below the cost of the project -----1 		
7	Evidence of Financial Resources (cash in hand / bank, lines of credit, over draft facility etc) <ul style="list-style-type: none"> ○ Has financial resources equal or above the cost of the project-- 10 ○ Has financial resources equal to half the cost of the project 5 ○ Has financial resources less than half the cost of the project 2 	10	
8.	NCA Registered Electrical / Mechanical Sub-Contractor's Qualifications		15
	a) Electrical Sub-Contractor's Qualifications: <ul style="list-style-type: none"> ○ Has Experience on Projects of similar nature and complexity - 2.5 ○ Has Electrical Technician with a Degree / Diploma in the Electrical Specialist field---2.5 ○ Attachment of relevant Technical manuals and / or brochures - 2.5 	7.5	
	b) Mechanical Sub-Contractor's Qualifications: <ul style="list-style-type: none"> ○ Has Experience on Projects of similar nature and complexity --- 2.5 ○ Has Mechanical Technician with a Degree / Diploma in the Mechanical Specialist field -2.5 ○ Attachment of relevant Technical manuals and / or brochures - 2.5 	7.5	

9.	<u>Program of Works</u> Provide a detailed schedule of activities		5
	<u>TOTAL</u>		90.

The score will be calculated as a percentage i.e. $a / 90 \times 100\%$, (where “a” is the bidders score).

Only bidders who score 70 % and above shall be considered for further evaluation

PART II - WORKS REQUIREMENTS

SECTION V - BILLS OF QUANTITIES

BILLS OF QUANTITIES

(a) Preambles

1. The method of measurement of completed work for payment shall be in accordance with “**The Standard Method of Measurement of Building Works for Eastern Africa**” current edition published by The Architectural Association of Kenya, Quantity Surveyors Chapter
2. The Site is situated in (*provide full description where the site is situated, coordinates from the nearest known landmark like a town and its size*)_____It is approximately_____Kilometers from Nairobi. Access to the site shall be through_____.

Which is an existing public road. Any damage caused to the surfaces of this road shall be made good at the Contractor's expense. The Contractor shall visit the site and acquaint itself with its nature and position, the nature of the ground, substrata and other local conditions, positions of existing power, water and other services, access roads or any other limitations that might affect his cost or progress. No claim for extras shall be considered on account of lack of knowledge in this respect.

3. The Contractor shall obtain the Architect's approval on the siting of all temporary buildings, spoil heaps, temporary access path, and storage of materials. The Contractor shall also obtain the Architect approval and direction regarding the use of any materials found on the Site.
4. The drawings used in the preparation of these Bills of Quantities can be inspected at the offices of the Procuring Entity or Procuring Entity's Representative during normal working hours. Two sets of the Working Drawings shall be provided to the contractor, but additional copies shall be provided at a cost to be determined by the Engineer.
5. The Contractor shall allow for the payment of all bank charges in connection with the procurement of Bank Guarantees and stamp charges in connection with this contract Agreement.
6. The Contractor shall carry out the various sections of the Works in such an order as the Architect May direct. The Procuring Entity reserves the right to occupy the Works by sections on completion provided that such occupation is considered to be both practical and reasonable and will not interfere with the Works. The Contractor shall allow any costs associated with such occupation.
7. The main Contractor will be fully responsible for paying his Sub-Contractor, but the Procuring Entity reserves the right in very exceptional circumstances to make such payments direct in the interests of the project where the completion thereof might be jeopardized by any dispute or vicariousness between the Contractor and the Sub-Contractor involve.
8. The Contractor shall complete and deliver the Works in the period inserted in the Form of Tender as his time for completion of the Works from the date for Possession, to be agreed with the Engineer. The Contract Period is presumed to have been calculated making due allowance for seasonal inclement weather conditions. No claim for extension of time due to the normal inclement weather for this area shall be entertained.
9. The Contractor shall, upon receiving instructions to proceed with the Works, draw up a Programme and Progress Chart setting out the order in which the Works are to be carried out, with the appropriate dates thereof. This Chart shall be agreed with the Architect and no deviation from the order set out in it will be permitted without the written consent of the Engineer. The Contractor will be responsible for arranging the above programme with all his sub-Contractors and Specialties. The Contractor shall allow in his rates for carrying out this exercise, and for updating it as required.
10. The Contractor shall submit to the Architect on the first day of each week or such longer period as the Architect from time to time direct, a Progress Report and any information for the proceeding period, showing the progress during the period and the up-to-date cumulative progress on all important items of each section or portion of the Works.

11. The Contractor shall arrange for photographs of the Site to be taken by a professional photographer approved by the Engineer. The Photographs shall provide a record of the Site and adjacent areas as prior to the commencement of the Works and shall cover such portion of the works in progress and completion as the Architect shall direct. All prints shall be full plate size, unmounted, and marked on the reverse side with the date of exposure, identification reference and brief description. The copyright of all photographs shall be vested in the Procuring Entity. The negatives and four prints from each negative shall be delivered to the Architect within two weeks of exposure.
12. Figured dimensions are to be followed in preference to dimensions scaled from the Drawings, but whenever possible dimensions are to be taken on the Site or from the buildings. Before any work is commenced by Sub-Contractors or Specialist Firms, dimensions must be checked on the site comparable dimensions shown on the drawings. The Contractor shall be responsible for the accuracy of such dimensions.
13. Prior to commencement of any work the Contractor is to ascertain from the relevant Authorities the exact position, depth and level of all existing electric cables, waterpipes or other services in the area and he shall make whatever provisions may be required by the Authorities concerned for the support and protection of such services. Any damage or disturbance caused to any services shall be reported immediately to the Architect and the relevant Authority and shall be made good to their satisfaction at the Contractor's expense. Where appropriate the Contractor shall open up the ground in advance of the main work by hand digging if necessary, to locate precisely the position and details of the services which are likely to affect his operations.
14. The Contractor shall include in his prices for the transport of materials, workmen, etc./, to and from the site of the proposed works, at such hours and by such route as are permitted by the Authorities.
15. The Contractor will be required to make good, at his own expense and damage he may cause to the present road surface and pavements within or beyond the boundary of the Site, during the period of the works. All existing paths, storm water channels, etc., that may be destroyed or damaged during the progress of the Works, shall be reinstated by the Contractor to the satisfaction of the Engineer.
16. The Contractor is to allow for complying with all instructions and regulations of the Police Authorities.
17. All water shall be fresh, clean and pure, free from earthly, vegetable or organic matter, acid or alkaline substances in solution. The Contractor shall provide at his own risk and cost all water for use in connection with the Works, (including works of subcontractors). If need be, he shall make arrangements with the Local Water Authority for the installation of a separate meter for all water used by him throughout the Contract and pay all cost and fees in connection therewith. He shall also provide temporary storage tanks and tubing, etc., as may be necessary, and clear away at completion.
18. The Contractor shall provide all artificial lighting and power for his own use on the Works, (including Sub – Contractor's) including all temporary connections, wiring, fittings, etc., and clearing away on completion. The Contractor shall pay all fees and obtain all permits in connection therewith.
19. The Contractor shall constantly keep on the Works a Literate English-speaking Agent or Representative, competent and experienced in the kind of work involved, who shall give his whole time to the superintendence of the works. (Including works of sub – contractors). Such Agent or Representative shall receive on behalf of the Contractor directions and instructions from the Engineer, and such directions and instructions shall be deemed to be given to the contractor in accordance with the Conditions of Contract. The Agent shall not be replaced without the specific approval of the Engineer.
20. The Contractor shall ensure that the safety of his work people and all authorized visitors to the site are protected at all times. In particular, there shall be the proper provision of guard-rails to scaffolding, protection against falling materials, tools on site, dust, nail and other sharp objects. The site shall be kept tidy and clear of dangerous rubbish. The Architect shall be empowered to suspend work on site should it be considered this condition is not being observed and no claim arising from such suspension will be allowed.
21. The areas available to the Contractor for work yards, offices and other facilities shall be directed by the Architect and any existing features to remain shall be protected from damage throughout the Contract Period and handed back in good condition when they are vacated at the end of the Contract. If additional areas are required, the contractor shall source them at own cost.

22. The Contractor shall give the Architect reasonable notice of the intention to set out or take levels for any part of the Works so that arrangements may be made for checking the work. The accuracy of setting out and leveling shall be within the tolerances specified in the Specifications or on the Drawings. The checking of setting out or leveling by the Architect shall not relieve the Contractor of his duties or responsibilities under the Contract.
23. The Contractor must take steps necessary to safeguard and shall be held fully responsible for any damage caused to existing and adjacent property, including buildings that are not a subject of demolition. He shall make good at his own cost damage to the persons and property caused there on, and he shall indemnify the Procuring Entity against any loss or claim that may arise.
24. The Contractor shall take such steps and exercise such care and diligence as to minimize nuisance arising from dust, noise or any other cause to the occupiers of the existing and adjacent property. He must provide such temporary and special screens and tarpaulins or gummy bags, hoarding, barriers, warning signs etc. as he considers necessary and sufficient for the protection of the existing and adjacent property and or prevention of nuisance etc. as directed by Engineer.
25. The Contractor's attention is drawn to the standards levy order which was amended on 15th October 1998. Legal notice No.154 of 1998. The Contractor is required to pay a monthly level of 0.2% of his factory price of construction works with effect from January 1999. Tenderer shall allow for this in the build-up of his rates.
26. The Contractor shall provide temporary sheds, offices mesh rooms, sanitary, accommodation and other temporary buildings for the use of the contractor and sub-contractors, including lighting furniture equipment and attendance.
27. The contractor shall provide/build labor camp sites to be agreed with the Engineer. Labor camps shall be complete with sanitary accommodation and fencing gates.
28. The Contractor must provide the necessary toilet facilities to the requirement and satisfaction of the Health Authorities and maintain the same in a thoroughly clean and sanitary condition and pay all conservancy fees during the period of the Works and remove when no longer required.
29. The Contractor shall provide at his own risk and cost all watching and lighting as necessary to safeguard the Works, Plant and materials against damage and theft.
30. The Contractor shall provide all necessary hoists, tackle, plant, equipment, vehicles, tools and appliances of every description for the due and satisfactory completion of the Works and shall remove the same on completion. All such plant, tools and equipment shall comply with all regulations in force throughout the period of the Contract and shall be altered or adopted during the Contract period as may be necessary to comply with any amendments in or additions to such regulations.
31. Provide, erect, and maintain all necessary scaffolding, sufficiently strong and efficient for the due performance of the works, including Sub-Contract Works, provide special scaffolding as required by Sub-Contractors, alter and adopt all scaffolding as and when required during the Works, and remove on completion. No scaffolding is measured here in after and the Contractor must allow in his rates for this.
32. The Contractor shall take all necessary precautions such as temporary fencing, hoarding fans, planked footways, guard-rails gantries screen, etc., for the safe custody of the Works, materials and public protection and adjacent properties.
33. Cover up all and protect from damage, including damage from inclement weather, all finished work and unfixed materials, including that of Sub-Contractors, etc., to the satisfaction of the Architect until the completion of the Contract.
34. The Contractor shall, after completion of the works, at his own expense, remove and clear away all surplus excavated demolition materials, plant, rubbish and unused materials and shall leave the whole of the Site and Works in a clean and tidy state to the satisfaction of the Engineer, sheds, camps, etc. Particular care shall be taken to leave clean all floors and windows and to remove all paint and cement all rubbish and dirt as it accumulates. The Contractor is to find his own dump and shall pay all charges in connection there with.

35. Concrete test cubes shall be prepared in a set of three, as described including testing fees, labor and materials, making molds, transport, handling, etc. Allow in your rates for making at least four cubes on each occasion, from different batches; the concrete being taken from the point of deposit.
36. The Contractors shall furnish at the earliest possible opportunity before work commences, and at his own cost, any samples of materials and workmanship that may be called for by the Architect for the approval or rejection, and any further samples in the case of rejection, until such samples are approved by the Engineer. Such samples, when approved, shall be the minimum standard for the work to which they apply. The procedure for submitting samples of materials for testing or approval and the method of marking for identification shall be as laid down by the Engineer. The Contractor shall allow in his Tender for such samples and tests, including those in connection with his Sub-Contractors work.
37. The Contractors' attention is drawn to the Finance Bill of the year 2000/2001 on withholding tax on contractual payment section 35(7)(i)(ii) which became effective on 1st July 2000. A 3% withholding tax will be applicable to all interim payments exceeding Kshs. for work done in respect of building or civil works. The contractor shall allow for any costs arising resulting there from in the build-up of rates.
38. Blasting will only be allowed with the express permission of the Architect in writing. All blasting operations shall be carried out at the Contractor's sole risk and cost, in accordance with any Government regulations in force for the time being, and any special regulations laid down by the Architect governing the use and storage of explosives.
39. The National Construction Authority is a state corporation established under the national construction authority Act No.14 of 2011. The broad Mandate of the Authority is to oversee the construction industry and coordinate its development. The National Construction Authority Regulations 2014 with an effective date of 6th June 2014, regulation 25, - Allow 0.5% of the tender sum/contract sum for construction levy.
40. The Contractor attention is drawn to Finance Bill of 1993 where VAT was introduced in all contracts for construction services. The tenderer is also drawn to VAT Act Cap 476 clause 19(9). The tenderer must allow for VAT 1.19 as instructed elsewhere.
41. The contractor shall allow and pay for all insurance to cover risks and indemnities required Items 17 and 18 of the Conditions of contract and also specified in the Special Conditions of Contract.

BILL NO. 1 - PRELIMINARY ITEMS

ITEM No.	DESCRIPTION	AMOUNT
1.	Employer The "Employer" shall be deemed to mean Murang'a University of Technology, P. O Box 75 - 10200, MURANG'A, KENYA	
2.	Contractor The term "Contractor" shall mean the person(s) named as contractor in the Form of Tender accepted by the Procuring Entity.	
3.	Engineer The term "Engineer." wherever used in these Bills of Quantities shall be deemed to imply the Engineer as defined in Condition 1 of the Conditions of Contract or such person or persons as may be duly authorized to represent him on behalf of the Employer.	
4.	Architect The term "Architect" shall be deemed to mean Department of Public Works Murang'a, P.O. Box 133-10200 MURANG'A, KENYA	
5.	Quantity Surveyor The term "Quantity Surveyor" shall be deemed to mean Department of Public Works Murang'a	
6.	Electrical Engineer The term "Electrical Engineer" shall be deemed to mean Department of Public Works Murang'a.	
7.	Mechanical Engineer The term "Mechanical Engineer" shall be deemed to mean Department of Public Works Murang'a.	
8.	Civil & Structural Engineer The term "Civil & Structural Engineer" shall be deemed to mean Department of Public Works Murang'a	
9.	The Landscape Architect The term "The Landscape Architect" shall be deemed to mean Department of Public Works Murang'a	
10.	Acoustic Architect The term "Acoustic Architect" shall be deemed to mean Department of Public Works Murang'a	
11.	Environmental/Green Building Expert The term "The Environmental/Green Building Expert" shall be deemed to mean Department of Public Works Murang'a	
12.	Form of Contract The Conditions of Contract comprise the STANDARD PUBLIC PROCUREMENT AND ASSET DISPOSAL TENDER DOCUMENT AND FORMAT FOR USE BY PUBLIC ENTITIES AND STAKEHOLDERS EFFECTIVE 21 ST APRIL, 2021 (Revised in 22 nd April 2022) Prepared by the PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA). All Particular Conditions to the contract shall be as listed in the contract document and shall take precedence over the General conditions of contract.	

13.	<p>Office for the Architect</p> <p>The Contractor shall provide, or erect and maintain an approved lock-up office for the sole use of the Architect and his own site staff. The office, which will have a total floor area of not less than 50 square metres, will be divided into two separate interconnected offices. Services to be provided shall include a telephone, water sanitary and electrical supply and drainage. The offices shall be supplied with furniture and equipment that shall include:</p> <p>4 No. desks with chairs; 1 No. large table with sufficient number of chairs; drawing table along the full length of one side with plan drawers and drawing stools: 4 No. waste paper baskets: sufficient number of pin boards: and any additional furniture and fittings as may reasonably be required during the Contract period. The Contractor shall provide the Architect and site staff with computer sets or laptops, printers and telephones all that are necessary for project use.</p> <p>The office furniture and equipment shall all be to the approval of the Engineer. The Contractor shall also provide all labor, equipment and consumable stores equipment throughout the currency of the contract.</p>	
14.	<p>Photographs of the Site</p> <p>The Contractor shall arrange for photographs of the Site to be taken by a professional photographer approved by the Engineer. The Photographs shall provide a record of the Site and adjacent are as prior to the commencement of the Works and shall cover such portion of the works in progress and completion as the Architect shall direct.</p>	
15.	<p>Signboard</p> <p>Provide a signboard not less than 30 square meters in size of a design type, and with lettering and coloring and in a position approved by the Engineer. The signboard shall be for the display of the Main Contractor's name and the names of all his Sub-Contractors, with the Procuring Entity's name painted thereon. All Consultants names be printed in letters not exceeding 50 mm high. No other signboard or advertising shall be allowed. The signboard shall be fully maintained during the Contract Period and shall be pulled down and removed at the end of the contract.</p>	
16.	<p>Protection of existing services</p> <p>The Contractor shall ascertain from the relevant Authorities the exact position, depth and level of all existing electric cables, water pipes or other services in the area and he shall make whatever provisions may be required by the Authorities concerned for the support and protection of such services. Any damage or disturbance caused to any services shall be reported immediately to the Architect and the relevant Authority and shall be made good to their satisfaction at the Contractor's expense.</p>	
17.	<p>Public roads, paths, storm water channels, etc.</p> <p>The Contractor shall make good, at his own expense any damage he may cause to the present road surface and pavements within or beyond the boundary of the Site, during the period of the works. All existing paths, storm water channels, etc., that may be destroyed or damaged during the progress of the Works shall be reinstated by the Contractor to the satisfaction of the Engineer.</p> <p>NB: The Bidder is notified that access to the site is limited to a rough pathway of approximately 200 metres; This will require grading and murraming for ease of his movement to and from site; and the same done at handing over. Further, there exists a bridge along the road which will require reinforcement / widening on the edges and construction of guard rails for safety.</p>	

18.	Water for the works The Contractor shall provide at his own risk and cost all water for use in connection with the Works, (including works of sub-contractors)	
19.	Lighting and power for the works The Contractor shall provide all artificial lighting and power for his own use on the Works, (including Sub – Contractor's) including all temporary connections, wiring, fittings, etc., and clearing away on completion.	
20.	Safety of his work people The Contractor shall ensure that the safety of his work people and all authorized visitors to the site are protected at all times. In particular, there shall be the proper provision of guard-rails to scaffolding, protection against falling materials, tools on site, dust, nail and other sharp objects.	
21.	Temporary sheds, offices, mesh rooms etc. for the contractor The Contractor shall provide temporary sheds, offices mesh rooms, sanitary, accommodation and other temporary buildings for the use of the contractor and sub-contractors, including lighting furniture equipment and attendance	
22.	Security for the Works The Contractor shall provide at his own risk and cost all watching and lighting as necessary to safeguard the Works, Plant and materials against damage and theft.	
23.	Scaffolding Provide, erect and maintain all necessary scaffolding, sufficiently strong and efficient for the due performance of the works, including Sub-Contract Works, provide special scaffolding as required by Sub-Contractors, alter and adopt all scaffolding as and when required during the Works, and remove on completion.	
24.	Concrete test cubes Concrete test cubes shall be prepared in a set of three, as described including testing fees, labor and materials, making molds, transport, handling, etc. Allow in your rates for making at least four cubes on each occasion, from different batches; The procedure for submitting samples of materials for testing and the method of marking for identification shall be as laid down by the Engineer The Contractor shall allow in his tender for such samples	
25.	Samples of materials and workmanship The Contractor shall furnish at the earliest possible opportunity before work commences, and at his own cost, any samples of materials and workmanship that may be called for by the Architect for the approval or rejection, and any further samples in the case of rejection, until such samples are approved by the Engineer. Such samples, when approved, shall be the minimum standard for the work to which they apply.	
26.	Construction levy The National Construction Authority is a state corporation established under the national construction authority Act No.14 of 2011. The broad Mandate of the Authority is to oversee the construction industry and coordinate its development. The National Construction Authority Regulations 2014 with an effective date of 6th June 2014, regulation 25, - Allow 0.5% of the tender sum/contract sum for construction levy.	
27.	Insurance The contractor shall allow and pay for all insurance to cover risks and indemnities required Items 18 of the Conditions of Contract and also as specified in the Special Conditions of Contract.	

28.	<p>Provisional Sums In the final account all Provisional Sums shall be deducted, and the value of the work properly executed in respect of them upon the Engineer's order added to the Contract Sum.</p>	
29.	<p>Visit the site The Contractor is recommended to visit the site the location of which is described in the Particular Preliminaries hereof. He shall be deemed to have acquainted himself therewith as to its nature, position, means of access or any other matter which may affect his tender. No claim arising from his failure to comply with this recommendation will be considered.</p>	
30.	<p>Government Acts, Orders and Regulations Allow for complying with all Government Acts, Orders and Regulations in connection with the employment of Labour and other matters related to the execution of the works. In particular, the Contractor's attention is drawn to the provisions of the Factory Act and his tender must include for all costs arising or resulting from compliance with any Act, Order or Regulation relating to Insurances, pensions and holidays for workpeople or so the safety, health and welfare of the workpeople.</p> <p>The Contractor must make himself fully acquainted with current Acts and Regulations, including Police Regulations regarding the movement, housing, security and control of labour, labour camps, passes for transport, etc. It is most important that the Contractor, before tendering, shall obtain from the relevant Authority the fullest information regarding all such regulations and/or restrictions which may affect the organization of the works, supply and control of labour, etc., and allow accordingly in his tender. No claim in respect of want of knowledge in this connection will be entertained.</p>	
31.	<p>Materials obtained from the excavations Materials of any kind obtained from the excavations shall be the property of the Employer. Unless the Engineer directs otherwise such materials shall be dealt with as provided in the Contract. Such materials shall only be used in the works, in substitution of materials which the Contractor would otherwise have had to supply with the written permission of the Engineer Should such permission be given, the Contractor shall make due allowance for the value of the materials so used at a price to be agreed.</p>	
32.	<p>Temporary hoarding The Contractor shall provide, erect, and maintain throughout the course of the Contract and thereafter clear away and make good temporary hoarding 3000 mm high above ground consisting of; 100 x 50 mm timber posts at 1800 mm centres firmly founded and secured, 75 x 50 mm horizontal timber rails at 900 mm centers, painted GCI sheets, proper timber gates with suitable locks. Defined by the Engineer.</p>	
33.	<p>Use of the site The Contractor shall not use the site for any other purpose other than carrying out the works. He shall not permit or display any advertisement without the consent of the Engineer.</p>	
34.	<p>Survey equipment The Contractor should provide and maintain survey equipment (total station and engineer's level together with tripods staff, batteries, etc.,) on site at all times during construction at his own cost.</p>	

35.	<p>Contractor's rates</p> <p>The Contractor 's rates for any item shall be deemed to include all costs involved in the execution of that particular item which include the cost, transportation, and handling of materials, fixing, taxes and levies and for complying with other conditions of contract except where otherwise priced separately</p>	
36.	<p>Contractor's Agent or Representative</p> <p>The Contractor shall constantly keep on the works literate English-speaking Agent or Representative, competent, and experienced in the kind of work involved who shall give his whole experience in the kind of work involved and shall give his whole time to the superintendence of the works. Such Agent or Representative shall receive on behalf of the Contractor all directions and instructions from the Engineer and such directions shall be deemed to have been given to the Contractor in accordance with the Conditions of Contract.</p>	

37.	<p>Clean and leave the whole of the Site and Works Clean and flush all gutters, rainwater and waste pipes, manholes and drains, wash (except where such treatment might cause damage) and clean all floors, sanitary fittings, glass inside and outside and any other parts of the works and remove all marks, blemishes, stains and defects from joinery, fittings and decorated surfaces generally, polish door furniture and bright parts of metalwork and leave the whole of the buildings watertight, clean, perfect and fit for occupation to the approval of the Engineer</p>	
TOTAL CARRIED TO GRAND SUMMARY		

SECTION VII – DRAWINGS

The drawings including Site plans may be obtained electronically from the Public Procurement Information Portal (PPIP) www.tenders.go.ke and the University Website(s) <https://www.mut.ac.ke/tender/>.

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

SECTION VIII - GENERAL CONDITIONS OF CONTRACT (GCC)

Murang'a University of Technology

Proposed construction of Tuition Block Phase III

Department of Public Works P.O Box 133-10200, Murang'a, KENYA.

General Conditions of Contract

1 GENERAL PROVISIONS

1.1 Definitions

In this Contract, except where context otherwise requires, the following terms shall be interpreted as indicated below. Words indicating persons or parties include corporations and other legal entities, except where the context requires otherwise.

“Accepted Contract Amount” means the amount accepted in the Letter of Acceptance for the execution and completion of the Works and the remedying of any defects.

“Base Date” means a date 30 day prior to the submission of tenders.

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

“Completion Date” means the date of completion of the Works as certified by the Engineer.

“Contract Price” means the price defined in the contract and there after as adjusted in accordance with the provisions of the Contract.

“Contract” means the agreement entered into between the Procuring Entity 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.

“Contractor's Documents” means the calculations, computer programs and other software, progress reports, drawings, manuals, models and other documents of a technical nature (if any) supplied by the Contractor under the Contract.

“Contractor's Equipment” means all apparatus, machinery, vehicles and other things required for the execution and completion of the Works and the remedying of any defects. However, Contractor's Equipment excludes Temporary Works, Procuring Entity's Equipment (if any), Plant, Materials and any other things intended to form or forming part of the Permanent Works.

“Contractor's Personnel” means the Contractor's Representative and all personnel whom the Contractor utilizes on Site, who may include the staff, labor and other employees of the Contractor and of each Subcontractor; and any other personnel assisting the Contractor in the execution of the Works.

“Contractor's Representative” means the person named by the Contractor in the Contractor appointed from time to time by the Contractor who acts on behalf of the Contractor.

“Contractor” means the person(s) named as contractor in the Form of Tender accepted by the Procuring Entity.

“Cost” means expenditure reasonably incurred (or to be incurred) by the Contractor, whether on or off the Site, including overhead and similar charges, but does not include profit.

“Day” means a calendar day and **“year”** means 365 days.

“Day works” means Work inputs subject to payment on a time basis for labour and the associated materials and plant.

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

“Defects Liability Certificate” means the certificate issued by Architect upon correction of defects by the Contractor.

“Defects Liability Period” means the period named in the Special Conditions of Contract and calculated from the Completion Date, within which the contractor is liable for any defects that may develop in the handed over works.

“Defects Notification Period” means the period for notifying defects in the Works or a Section (as the case may be) under Sub-Clause 11.1 [Completion of Outstanding Work and Remedying Defects], which extends over the days stated in the Special Conditions of Contract.

“Drawings” means the drawings of the Works, as included in the Contract, and any additional and modified drawings issued by (or on behalf of) the Procuring Entity in accordance with the Contract.

“Final Payment Certificate” means the payment certificate issued under Sub-Clause 14.13 [Issue of Final Payment Certificate].

“Final Statement” means the statement defined in Sub-Clause 14.11 [Application for Final Payment Certificate].

“Force Majeure” is defined in Clause 19 [Force Majeure].

“Foreign Currency” means a currency of another country (not Kenya) in which part (or all) of the Contract Price is payable, but not the Local Currency.

“Goods” means Contractor's Equipment, Materials, Plant and Temporary Works, or any of them as appropriate.

“Interim Payment Certificate” means a payment certificate issued under Clause 14 [Contract Price and Payment], other than the Final Payment Certificate.

“Laws” means all national legislation, statutes, ordinances, and regulations and by-laws of any legally constituted public authority.

“Letter of Acceptance” means the letter of formal acceptance of a tender, signed by Procuring Entity, including any annexed memoranda comprising agreements between and signed by both Parties.

“Local Currency” means the currency of Kenya.

“Materials” means things of all kinds (other than Plant) intended to form or forming part of the Permanent Works, including the supply-only materials (if any) to be supplied by the Contractor under the Contract.

“Notice of Dissatisfaction” means the notice given by either Party to the other under Sub-Clause 20.3 indicating its dissatisfaction and intention to commence arbitration.

“Special Conditions of Contract” means the pages completed by the Procuring Entity entitled Special Conditions of Contract which constitute Part A of the Special Conditions.

“Party” means the Procuring Entity or the Contractor, as the context requires.

“Payment Certificate” means a payment certificate issued under Clause 14 [Contract Price and Payment].

“Performance Certificate” means the certificate issued under Sub-Clause 11.9 [Performance Certificate].

“Performance Security” means the security (or securities, if any) under Sub-Clause 4.2 [Performance Security].

“Permanent Works” means the permanent works to be executed by the Contractor under the Contract.

“Plant” means the apparatus, machinery and other equipment intended to form or forming part of the Permanent Works, including vehicles purchased for the Procuring Entity and relating to the construction or operation of the Works.

“Procuring Entity's Equipment” means the apparatus, machinery and vehicles (if any) made available by the

Procuring Entity for the use of the Contract or in the execution of the Works, as stated in the Specification; but does not include Plant which has not been taken over by the Procuring Entity.

“Procuring Entity's Personnel” means the Engineer, the Engineer, the assistants and all other staff, labor and other employees of the Architect and of the Procuring Entity; and any other personnel notified to the Contractor, by the Procuring Entity or the Engineer, as Procuring Entity's Personnel.

“Procuring Entity” means the Entity named in the Special Conditions of Contract.

“Engineer” is the person named in the Appendix to Conditions of Contract (or any other competent person appointed by the Procuring Entity and notified to the Contractor, to act in replacement of the Engineer) 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.

“Engineer” means the person appointed by the Procuring Entity to act as the Architect for the purposes of the Contract and named in the Special Conditions of Contract, or other person appointed from time to time by the Procuring Entity and notified to the Contractor

“Provisional Sum” means a sum (if any) which is specified in the Contract as a provisional sum, for the execution of any part of the Works or for the supply of Plant, Materials or services under Sub-Clause 13.5 [Provisional Sums].

“Retention Money” means the accumulated retention moneys which the Procuring Entity retains under Sub-Clause 14.3 [Application for Interim Payment Certificates] and pays under Sub-Clause 14.9 [Payment of Retention Money].

“Schedules” means the document(s) entitled schedules, completed by the Contractor and submitted with the Form of Tender, as included in the Contract.

“Section” means a part of the Works specified in the Special Conditions of Contract as a Section (if any)

“Site Investigation Reports” are those reports that may be included in the tendering documents which a ref actual and interpretative about the surface and sub-surface condition sat the Site.

“Site” means the places where the Permanent Works are to be executed, including storage and working areas, and to which Plant and Materials are to be delivered, and any other places as may be specified in the Contract as forming part of the Site.

“Specification” means the document entitled specification, as included in the Contract, and any additions and modifications to the specification in accordance with the Contract. Such document specifies the Works.

“Start Date” or “Commencement 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).

“Statement” means a statement submitted by the Contractor as part of an application, under Clause 14 [Contract Price and Payment], for a payment certificate.

“Subcontractor” means any person named in the Contract as a subcontractor, or any person appointed as a subcontractor, for a part of the Works.

“Taking-Over Certificate” means a certificate issued under Clause 10 [Procuring Entity's Taking Over].

“Temporary Works” means all temporary works of every kind (other than Contractor's Equipment) required on Site for the execution and completion of the Permanent Works and the remedying of any defects.

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

“Tender” means the Form of Tender and all other documents which the Contractor submitted with the Form of Tender, as included in the Contract.

“Tests after Completion” means the tests (if any) which are specified in the Contract and which are carried out in

accordance with the Specification after the Works or a Section (as the case may be) are taken over by the Procuring Entity.

“Tests on Completion” means the tests which are specified in the Contractor agreed by both Parties or instructed as a Variation, and which are carried out under Clause 9 [Tests on Completion] before the Works or a Section (as the case may be) are taken over by the Procuring Entity.

“Time for Completion” means the time for completing the Works or a Section (as the case may be) as stated in the Special Conditions of Contract (with any extension calculated from the Commencement Date.

“Unforeseeable” means not reasonably foreseeable by an experienced contractor by the Base Date.

“Variation” means any change to the Works, which is instructed or approved as a variation under Clause 13 [Variations and Adjustments].

“Works” means the items the Procuring Entity requires the Contractor to undertake as defined in the Appendix to Conditions of Contract. **“Works” may** also mean the Permanent Works and the Temporary Works, or either of them as appropriate.

12 Interpretation

In the Contract, except where the context requires otherwise:

- a) Words indicating one gender include all genders;
- b) words indicating the singular also include the plural and words indicating the plural also include the singular;
- c) provisions including the word “agree”, “agreed” or “agreement” require the agreement to be recorded in writing;
- d) “written” or “in writing” means hand-written, type-written, printed or electronically made, and resulting in a permanent record; and

The marginal words and other headings shall not be taken into consideration in the interpretation of these Conditions.

13 Communications

13.1 Wherever these Conditions provide for the giving or issuing of approvals, certificates, consents, determinations, notices, requests and discharges, these communications shall be:

- a) In writing and delivered by hand (against receipt), sent by mail or courier, or transmitted using any of the agreed systems of electronic transmission as stated in the Special Conditions of Contract; and
- b) Delivered, sent or transmitted to the address of the recipient's communications as stated in the Special Conditions of Contract. However:
 - i) if the recipient gives notice of another address, communications shall thereafter be delivered accordingly; and
 - ii) if the recipient has not stated otherwise when requesting an approval or consent, it may be sent to the address from which the request was issued.

13.2 Approvals, certificates, consents and determinations shall not be unreasonably withheld or delayed. When a certificate is issued to a Party, the certifier shall send a copy to the other Party. When a notice is issued to a Party, by the other Party or the Engineer, a copy shall be sent to the Architect or the other Party, as the case may be.

14 Law and Language

14.1 The Contract shall be governed by the laws of **Kenya**.

14.2 The ruling language of the Contract shall be **English**.

15 Priority of Documents

The documents forming the Contract are to be taken as mutually explanatory of one another. For the purposes of interpretation, the priority of the documents shall be in accordance with the following sequence:

- a) The Contract Agreement,
- b) The Letter of Acceptance,
- c) The Special Conditions – Part A,
- d) the Special Conditions – Part B
- e) the General Conditions of Contract
- f) the Form of Tender,
- g) the Specifications and Bills of Quantities
- h) the Drawings, and
- i) the Schedules and any other documents forming part of the Contract.

If an ambiguity or discrepancy is found in the documents, the Architect shall issue any necessary clarification or instruction.

16 Contract Agreement

The Parties shall enter into a Contract Agreement within 14 days after the Contractor receives the Contract Agreement, unless the Special Conditions establish otherwise. The Contract Agreement shall be based upon the form annexed to the Special Conditions. The costs of stamp duties and similar charges (if any) imposed by law in connection with entry into the Contract Agreement shall be borne by the Procuring Entity.

17 Assignment

The Contractor shall not assign the whole or any part of the Contract or any benefit or interest in or under the Contract. However, the contractor:

- a) May assign the whole or any part with the prior consent of the Procuring Entity, and
- b) may, as security in favor of a bank or financial institution, assign its right to moneys due, or to become due, under the Contract.

18 Care and Supply of Documents

- 1.81 The Specifications and Drawings shall be in the custody and care of the Procuring Entity. Unless otherwise stated in the Contract, two copies of the Contract and of each subsequent Drawings and Bills of Quantities shall be supplied to the Contractor, who may make or request further copies at the cost of the Contractor.
- 1.82 Each of the Contractor's Documents shall be in the custody and care of the Contractor, unless and until taken over by the Procuring Entity. Unless otherwise stated in the Contract, the Contractor shall supply to the Architect two copies of each of the Contractor's Documents.
- 1.83 The Contractor shall keep on the Site, a copy of the Contract, publications named in the Specification, the Contractor's Documents (if any), the Drawings and Variations and other communications given under the Contract. The Procuring Entity's Personnel shall have the right of access to all these documents at all reasonable times.
- 1.84 If a Party becomes aware of an error or defect in a document which was prepared for use in executing the Works, the Party shall promptly give notice to the other Party of such error or defect.

19 Timely provision of Drawings or Instructions

- 1.91 The Contractor shall give notice to the Architect whenever the Works are likely to be delayed or disrupted if any necessary drawing or instruction is not issued to the Contractor within a particular time, which shall be reasonable. The notice shall include details of the necessary drawing or instruction, details of why and by when it should be issued, and the nature and amount of the delay or disruption likely to be suffered if it is late.

- 1.92 If the Contractor suffers delay and/or incurs Cost as a result of a failure of the Architect to issue the notified drawing or instruction within a time which is reasonable and is specified in the notice with supporting details, the Contractor shall give a further notice to the Architect and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to:
- a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and
 - b) Payment of any other associated costs accrued, which shall be included in the Contract Price.
- 1.93 After receiving this further notice, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.
- 1.94 However, if and to the extent that the Architect failure was caused by any error or delay by the Contractor, including an error in, or delay in the submission of, any of the Contractor's Documents, the Contractor shall not be entitled to such extension of time, or costs accrued.

1.10 Procuring Entity's Use of Contractor's Documents

- 1.10.1 As agreed between the Parties, the Contractor shall retain the copyright and other intellectual property rights in the Contractor's Documents and other design documents made by (or on behalf of) the Contractor.
- 1.10.2 The Contractor shall be deemed (by signing the Contract) to give to the Procuring Entity a non-terminable transferable non-exclusive royalty-free license to copy, use and communicate the Contractor's Documents, including making and using modifications of them. This license shall:
- a) apply throughout the actual or intended working life (whichever is longer) of the relevant parts of the Works,
 - b) entitle any person in proper possession of the relevant part of the Works to copy, use and communicate the Contractor's Documents for the purposes of completing, operating, maintaining, altering, adjusting, repairing and demolishing the Works, and
 - c) in the case of Contractor's Documents which are in the form of computer programs and other software, permit their use on any computer on the Site and other places as envisaged by the Contract, including replacements of any computers supplied by the Contractor.
- 1.10.3 The Contractor's Documents and other design documents made by (or on behalf of) the Contractor shall not, without the Contractor's consent, be used, copied or communicated to a third party by (or on behalf of) the Procuring Entity for purposes other than those permitted under Sub-Clause 1.10.2.

1.11 Contractor's Use of Procuring Entity's Documents

As agreed between the Parties, the Procuring Entity shall retain the copyright and other intellectual property rights in the Specification, the Drawings and other documents made by (or on behalf of) the Procuring Entity. The Contractor may, at his cost, copy, use, and obtain communication of these documents for the purposes of the Contract. They shall not, without the Procuring Entity's consent, be copied, used or communicated to a third party by the Contractor, except as necessary for the purposes of the Contract.

1.12 Confidential Details

- 1.12.1 The Contractor's and the Procuring Entity's Personnel shall ensure confidentiality at all times. The confidentiality shall survive termination or completion of the contract. They shall disclose all such confidential and other information as may be reasonably required in order to verify compliance with the Contract and allow its proper implementation.
- 1.12.2 The Contractor's and the Procuring Entity's Personnel shall also treat the details of the Contract as private and confidential, except to the extent necessary to carry out their respective obligations under the Contract or to comply with applicable Laws. Each of them shall not publish or disclose any particulars of the Works prepared by the other Party without the previous agreement of the other Party. However, the Contractor shall be permitted to disclose any publicly available information, or information otherwise required to establish his qualifications to compete for other projects.

1.13 Compliance with Laws

The Contractor shall, in performing the Contract, comply with applicable Laws. Unless otherwise stated in the Special Conditions of Contract:

- a) The Procuring Entity shall have obtained (or shall obtain) the planning, zoning, building permit or similar permission for the Permanent Works, and any other permissions described in the Specifications as having been (or to be) obtained by the Procuring Entity; and the Procuring Entity shall indemnify and hold the Contractor harmless against and from the consequences of any failure to do so; and
- b) the Contractor shall give all notices, pay all taxes, duties and fees, and obtain all permits, licenses and approvals, as required by the Laws in relation to the execution and completion of the Works and the remedying of any defects; and the Contractor shall indemnify and hold the Procuring Entity harmless against and from the consequences of any failure to do so, unless the Contractor is impeded to accomplish these actions and shows evidence of its diligence.

1.14 Joint and Several Liability

If the Contractor constitutes (under applicable Laws) a joint venture, consortium or other unincorporated grouping of two or more persons:

- a) These persons shall be deemed to be jointly and severally liable to the Procuring Entity for the performance of the Contract;
- b) these persons shall notify the Procuring Entity of their leader who shall have authority to bind the Contractor and each of these persons; and
- c) the Contractor shall not alter its composition or legal status without the prior consent of the Procuring Entity.

1.15 Inspections and Audit by the Procuring Entity

Pursuant to paragraph 2.2 (e) of Appendix B to the General Conditions, the Contractor shall permit and shall cause its subcontractors and sub-consultants to permit, the Public Procurement Regulatory Authority, Procuring Entity and/or persons appointed or designated by the Government of Kenya to inspect the Site and/or the accounts and records relating to the procurement process, selection and/or contract execution, and to have such accounts and records audited by auditors appointed by the Procuring Entity if requested by the Procuring Entity. The Contractor's and its Subcontractors' and sub-consultants' attention is drawn to Sub-Clause 15.6 (Fraud and Corruption) which provides, inter alia, that acts intended to materially impede the exercise of the Procuring Entity's inspection and audit rights constitute a prohibited practice subject to contract termination (as well as to a determination of ineligibility pursuant to the Procuring Entity's prevailing sanctions procedures).

2 THE PROCURING ENTITY

2.1 Right of Access to the Site

2.1.1 The Procuring Entity shall give the Contractor right of access to, and possession of, all parts of the Site within the time (or times) stated in the **Special Conditions of Contract**. The right and possession may not be exclusive to the Contractor. If, under the Contract, the Procuring Entity is required to give (to the Contractor) possession of any foundation, structure, plant or means of access, the Procuring Entity shall do so in the time and manner stated in the Specification. However, the Procuring Entity may withhold any such right or possession until the Performance Security has been received.

2.1.2 If no such time is stated in the Special Conditions of Contract, the Procuring Entity shall give the Contractor right of access to, and possession of, the Site within such times as required to enable the Contractor to proceed without disruption in accordance with the programme submitted under Sub-Clause 8.3 [Programme].

- 213 If the Contractor suffers delay and/or incurs Cost as a result of a failure by the Procuring Entity to give any such right or possession within such time, the Contractor shall give notice to the Architect and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to:
- a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and
 - b) payment of any such Cost-plus profit, which shall be included in the Contract Price.
- 214 After receiving this notice, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.
- 215 However, if and to the extent that the Procuring Entity's failure was caused by any error or delay by the Contractor, including an error in, or delay in the submission of, any of the Contractor's Documents, the Contractor shall not be entitled to such extension of time, Cost or profit.

22 Permits, Licenses or Approvals

- 221 The Procuring Entity shall provide, at the request of the Contractor, such reasonable assistance as to allow the Contractor to obtain properly:
- a) Copies of the Laws of Kenya which are relevant to the Contract but are not readily available, and
 - b) any permits, licenses or approvals required by the Laws of Kenya:
 - i) which the Contractor is required to obtain under Sub-Clause 1.13 [Compliance with Laws],
 - ii) for the delivery of Goods, including clearance through customs, and
 - iii) for the export of Contractor's Equipment when it is removed from the Site.

23 Procuring Entity's Personnel

The Procuring Entity shall be responsible for ensuring that the Procuring Entity's Personnel and the Procuring Entity's other contractor son the Site:

- a) co-operate with the Contractor's efforts under Sub-Clause 4.6 [Co-operation], and
- b) take actions similar to those which the Contractor is required to take under sub-paragraphs (a), (b) and (c) of Sub-Clause 4.8 [Safety Procedures] and under Sub-Clause 4.18 [Protection of the Environment].

24 Procuring Entity's Financial Arrangements

The Procuring Entity shall make and maintain all necessary financial arrangements which will enable the Procuring Entity to pay the Contract Price punctually (as estimated at that time) in accordance with Clause 14 [Contract Price and Payment].

3 THE ENGINEER

3.1 Architect Duties and Authority

- 3.1.1 The Procuring Entity shall appoint the Architect who shall carry out the duties assigned to him in the Contract. The Architect staff shall include suitably qualified Assistants and other professionals who are competent to carry out these duties. The Architect Name and Address shall be provided in the **Special Conditions of Contract**.
- 3.1.2 The Architect shall have no authority to amend the Contract.
- 3.1.3 The Architect May exercise the authority attributable to the Architect as specified in or necessarily to be implied from the Contract. If the Architects required to obtain the approval of the Procuring Entity before exercising a specified authority, the requirements shall be as stated in the **Special Conditions of Contract**. The Procuring Entity shall promptly inform the Contractor of any change to the authority attributed to the Engineer.

3.14 However, whenever the Architect exercises a specified authority for which the Procuring Entity's approval is required, then (for the purposes of the Contract) the contractor shall require the Architect to provide evidence of such approval before complying with the instruction.

3.15 Except as otherwise stated in these Conditions:

- a) Whenever carrying out duties or exercising authority, specified in or implied by the Contract, the Architect shall be deemed to act for the Procuring Entity;
- b) the Architect has no authority to relieve either Party of any duties, obligations or responsibilities under the Contract;
- c) any approval, check, certificate, consent, examination, inspection, instruction, notice, proposal, request, test, or similar act by the Architect (including absence of disapproval) shall not relieve the Contractor from any responsibility he has under the Contract, including responsibility for errors, omissions, discrepancies and non-compliances; and
- d) any act by the Architect in response to a Contractor's request shall be notified in writing to the Contractor within 14 days of receipt.

3.16 The following provisions shall apply:

The Architect shall obtain the specific approval of the Procuring Entity before taking action under the following Sub-Clauses of these Conditions:

- a) Sub-Clause 4.12: agreeing or determining an extension of time and/or additional cost.
- b) Sub-Clause 13.1: instructing a Variation, except;
 - i) In an emergency situation as determined by the Engineer, or
 - ii) If such a Variation would increase the Accepted Contract Amount by less than the percentage specified in the **Special Conditions of Contract**.
- c) Sub-Clause 13.3: Approving a proposal for Variation submitted by the Contractor in accordance with Sub Clause 13.1 or 13.2.
- d) Sub-Clause 13.4: Specifying the amount payable in each of the applicable three currencies.

3.17 Notwithstanding the obligation, as set out above, to obtain approval, if, in the opinion of the Engineer, an emergency occurs affecting the safety of life or of the Works or of adjoining property, he may, without relieving the Contractor of any of his duties and responsibility under the Contract, instruct the Contractor to execute all such work or to do all such things as may, in the opinion of the Engineer, be necessary to abate or reduce the risk. The Contractor shall forth with comply, despite the absence of approval of the Procuring Entity, with any such instruction of the Engineer. The Architect shall determine an addition to the Contract Price, in respect of such instruction, in accordance with Clause 13 and shall notify the Contractor accordingly, with a copy to the Procuring Entity.

32 Delegation by the Engineer

3.21 The Architect may from time to time assign duties and delegate authority to assistants and may also revoke such assignment or delegation. These assistants may include a resident Engineer, and/or independent inspectors appointed to inspect and/ or test items of Plant and/or Materials. The assignment, delegation or revocation shall be in writing and shall not take effect until copies have been received by both Parties. However, unless otherwise agreed by both Parties, the Architect shall not delegate the authority to determine any matter in accordance with Sub-Clause 3.5 [Determinations].

322 Each assistant, to whom duties have been assigned or authority has been delegated, shall only be authorized to issue instructions to the Contractor to the extent defined by the delegation. Any approval, check, certificate, consent, examination, inspection, instruction, notice, proposal, request, test, or similar act by an assistant, in accordance with the delegation, shall have the same effect as though the act had been an act of the Engineer. However:

- a) Any failure to disapprove any work, Plant or Materials shall not constitute approval, and shall therefore not prejudice the right of the Architect to reject the work, Plant or Materials;
- b) If the Contractor questions any determination or instruction of an assistant, the Contractor may refer the matter to the Engineer, who shall promptly confirm, reverse or vary the determination or instruction.

33 Instructions of the Engineer

331 The Architect may issue to the Contractor (at any time) instructions and additional or modified Drawings which may be necessary for the execution of the Works and the remedying of any defects, all in accordance with the Contract. The Contractor shall only take instructions from the Engineer, or from an assistant to whom the appropriate authority has been delegated under Clause 3.2.1.

332 The Contractor shall comply with the instructions given by the Architect or delegated assistant, on any matter related to the Contract. Whenever practicable, their instructions shall be given in writing. If the Architect or a delegated assistant:

- a) Gives an oral instruction,
- b) receives a written confirmation of the instruction, from (or on behalf of) the Contractor, within two working days after giving the instruction, and
- c) does not reply by issuing a written rejection and/or instruction within two working days after receiving the confirmation,

Then the confirmation shall constitute the written instruction of the Architect or delegated assistant (as the case may be).

34 Replacement of the Engineer

If the Procuring Entity intends to replace the Engineer, the Procuring Entity shall, in not less than 21 days before the intended date of replacement, give notice to the Contractor of the name, address and relevant experience of the intended person to replace the Engineer.

35 Determinations

35.1 Whenever these Conditions provide that the Architect shall proceed in accordance with this Sub-Clause 3.5 to agree or determine any matter, the Architect shall consult with each Party in an endeavor to reach agreement. If agreement is not achieved, the Architect shall make a fair determination in accordance with the Contract, taking due regard of all relevant circumstances.

3.5.1 The Architect shall give notice to both Parties of each agreement or determination, with supporting particulars, within 30 days from the receipt of the corresponding claim or request except when otherwise specified. Each Party shall give effect to each agreement or determination unless and until revised under Clause 20 [Claims, Disputes and Arbitration].

4 THE CONTRACTOR

4.1 Contractor's General Obligations

4.1.1 The Contractor shall design (to the extent specified in the Contract), execute and complete the Works in accordance with the Contract and with the Architect instructions, and shall remedy any defects in the Works.

4.1.2 The Contractor shall provide the Plant and Contractor's Documents specified in the Contract, and all Contractor's Personnel, Goods, consumables and other things and services, whether of a temporary or permanent nature, required in and for this design, execution, completion and remedying of defects.

- 4.13 All equipment, material, and services to be incorporated in or required for the Works shall have their origin in any eligible source country.
- 4.14 The Contractor shall be responsible for the adequacy, stability and safety of all Site operations and of all methods of construction. Except to the extent specified in the Contract, the Contractor (i) shall be responsible for all Contractor's Documents, Temporary Works, and such design of each item of Plant and Materials as is required for the item to be in accordance with the Contract, and (ii) shall not otherwise be responsible for the design or specification of the Permanent Works.
- 4.15 The Contractor shall, whenever required by the Engineer, submit details of the arrangements and methods which the Contractor proposes to adopt for the execution of the Works. No significant alteration to these arrangements and methods shall be made without this having previously been notified to the Engineer.
- 4.16 If the Contract specifies that the Contractor shall design any part of the Permanent Works, then unless otherwise stated in the Special Conditions:
- a) The Contractor shall submit to the Architect the Contractor's Documents for this part in accordance with the procedures specified in the Contract;
 - b) these Contractor's Documents shall be in accordance with the Specification and Drawings, shall be written in the language for communications defined in Sub-Clause 1.4 [Law and Language], and shall include additional information required by the Architect to add to the Drawings for co-ordination of each Party's designs;
 - c) the Contractor shall be responsible for this part and it shall, when the Works are completed, befit for such purposes for which the part is intended as are specified in the Contract; and
 - d) prior to the commencement of the Tests on Completion, the Contractor shall submit to the Architect the "as-built" documents and, if applicable, operation and maintenance manuals in accordance with the Specification and in sufficient detail for the Procuring Entity to operate, maintain, dismantle, reassemble, adjust and repair this part of the Works. Such part shall not be considered to be completed for the purposes of taking-over under Sub-Clause 10.1 [Taking Over of the Works and Sections] until these documents and manuals have been submitted to the Engineer.

42 Performance Security

- 4.21 The Contractor shall obtain (at his cost) a Performance Security for proper performance, in the amount stated in the **Special Conditions of Contract** and denominated in the currency (ies) of the Contract or in a freely convertible currency acceptable to the Procuring Entity. If an amount is not stated in the Special Conditions of Contract, this Sub-Clause shall not apply.
- 4.22 The Contractor shall deliver the Performance Security to the Procuring Entity within 30 days after receiving the Notification of Award and shall send a copy to the Engineer. The Performance Security shall be issued by a reputable bank selected by the Contractor and shall be in the form annexed to the Special Conditions, as stipulated by the Procuring Entity in the Special Conditions of Contract, or in another form approved by the Procuring Entity.
- 4.23 The Contractor shall ensure that the Performance Security is valid and enforceable until the Contractor has executed and completed the Works and remedied any defects. If the terms of the Performance Security specify its expiry date, and the Contractor has not become entitled to receive the Performance Certificate by the date 30 days prior to the expiry date, the Contractor shall extend the validity of the Performance Security until the Works have been completed and any defects have been remedied.
- 4.24 The Procuring Entity shall not make a claim under the Performance Security, except for amounts to which the Procuring Entity is entitled under the Contract.
- 4.25 The Procuring Entity shall indemnify and hold the Contractor harmless against and from all damages, losses and expenses (including legal fees and expenses) resulting from a claim under the Performance Security to the extent to which the Procuring Entity was not entitled to make the claim.
- 4.26 The Procuring Entity shall return the Performance Security to the Contractor within 14 days after receiving a copy of the Taking-Over Certificate.

4.2.7 Without limitation to the provisions of the rest of this Sub-Clause, whenever the Architect determines an addition or a reduction to the Contract Price as a result of a change in cost and/ or legislation, or as a result of a Variation, amounting to more than 25 percent of the portion of the Contract Price payable in a specific currency, the Contractor shall at the Architect request promptly increase, or may decrease, as the case may be, the value of the Performance Security in that currency by an equal percentage.

4.3 Contractor's Representative

4.3.1 The Contractor shall appoint the Contractor's Representative and shall give him all authority necessary to act on the Contractor's behalf under the Contract. The Contractor's Representative's Name and Address shall be provided in the **Special Conditions of Contract**.

4.3.2 Unless the Contractor's Representative **is named in the Contract**, the Contractor shall, prior to the Commencement Date, submit to the Architect for consent the name and particulars of the person the Contractor proposes to appoint as Contractor's Representative. If consent is withheld or subsequently revoked in terms of Sub-Clause 6.9 [Contractor's Personnel], or if the appointed person fails to act as Contractor's Representative, the Contractor shall similarly submit the name and particulars of another suitable person for such appointment.

4.3.3 The Contractor shall not, without the prior consent of the Engineer, revoke the appointment of the Contractor's Representative or appoint a replacement.

4.3.4 The whole time of the Contractor's Representative shall be given to directing the Contractor's performance of the Contract. If the Contractor's Representative is to be temporarily absent from the Site during the execution of the Works, a suitable replacement person shall be appointed, subject to the Architect prior consent, and the Architect shall be notified accordingly.

4.3.5 The Contractor's Representative shall, on behalf of the Contractor, receive instructions under Sub-Clause 3.3 [Instructions of the Engineer].

4.3.6 The Contractor's Representative may delegate any powers, functions and authority to any competent person, and may at any time revoke the delegation. Any delegation or revocation shall not take effect until the Architect has received prior notice signed by the Contractor's Representative, naming the person and specifying the powers, functions and authority being delegated or revoked.

4.3.7 The Contractor's Representative shall be fluent in the language for communications defined in Sub-Clause 1.4 [Law and Language]. If the Contractor's Representative's delegates are not fluent in the said language, the Contractor shall make competent interpreter available during all working hours in a number deemed sufficient by the Engineer.

4.4 Sub-contractors

4.4.1 The Contractor shall not subcontract the whole of the Works. The contractor may, however, subcontract the works as provided in Clause 34.2.

4.4.2 The Contractor shall be responsible for the acts or defaults of any Subcontractor, his agents or employees, as if they were the acts or defaults of the Contractor. Unless otherwise stated in the Special Conditions:

- a) The Contractor shall not be required to obtain consent to suppliers solely of Materials, or to a subcontract for which the Subcontractor is named in the Contract;
- b) The prior consent of the Procuring Entity shall be obtained to other proposed Subcontractors;
- c) the Contractor shall give the Procuring Entity not less than 14 days' notice of the intended date of the commencement of each Subcontractor's work, and of the commencement of such work on the Site; and
- d) each subcontract shall include provisions which would entitle the Procuring Entity to require the subcontract to be assigned to the Procuring Entity under Sub-Clause 4.5 [Assignment of Benefit of Subcontract] (if or when applicable) or in the event of termination under Sub-Clause 15.2 [Termination by Procuring Entity].

4.4.3 The Contractor shall ensure that the requirements imposed on the Contractor by Sub-Clause 1.12 [Confidential Details] apply equally to each Subcontractor.

4.4.4 Where practicable, the Contractor shall give fair and reasonable opportunity for contractors from Kenya to be appointed as Subcontractors.

45 Assignment of Benefit of Subcontract

If a Subcontractor's obligations extend beyond the expiry date of the relevant Defects Notification Period and the Engineer, prior to this date, instructs the Contractor to assign the benefit of such obligations to the Procuring Entity, then the Contractor shall do so. Unless otherwise stated in the assignment, the Contractor shall have no liability to the Procuring Entity for the work carried out by the Subcontractor after the assignment takes effect.

46 Co-operation

4.6.1 The Contractor shall, as specified in the Contract or as instructed by the Engineer, allow appropriate opportunities for carrying out work to:

- a) The Procuring Entity's Personnel,
- b) Any other contractors employed by the Procuring Entity, and
- c) The personnel of any legally constituted public authorities, who may be employed in the execution on or near the Site of any work not included in the Contract.

4.6.2 Any such instruction shall constitute a Variation if and to the extent that it causes the Contractor to suffer delays and/or to incur Unforeseeable Cost. Services for these personnel and other contractors may include the use of Contractor's Equipment, Temporary Works or access arrangements which are the responsibility of the Contractor.

4.6.3 If, under the Contract, the Procuring Entity is required to give to the Contractor possession of any foundation, structure, plant or means of access in accordance with Contractor's Documents, the Contractor shall submit such documents to the Architect in the time and manner stated in the Specification.

47 Setting Out of the Works

4.7.1 The Contractor shall set out the Works in relation to original points, lines and levels of reference specified in the Contract notified by the Engineer. The Contractor shall be responsible for the correct positioning of all parts of the Works, and shall rectify any error in the positions, levels, dimensions or alignment of the Works.

4.7.2 The Procuring Entity shall be responsible for any errors in these specified or notified items of reference, but the Contractor shall use reasonable efforts to verify their accuracy before they are used.

4.7.3 If the Contractor suffers delay and/or incurs Cost from executing work which was necessitated by an error in these items of reference, and an experienced contractor could not reasonably have discovered such error and avoided this delay and/ or Cost, the Contractor shall give notice to the Architect and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to:

- a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and
- b) payment of any such costs accrued, which shall be included in the Contract Price.

4.7.4 After receiving this notice, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine (i) whether and (if so) to what extent the error could not reasonably have been discovered, and (ii) the matters described in sub-paragraphs (a) and (b) above related to this.

48 Safety Procedures

The Contractor shall:

- a) Comply with all applicable safety regulations,
- b) Take care for the safety of all persons entitled to be on the Site,
- c) Use reasonable efforts to keep the Site and Works clear of unnecessary obstruction so as to avoid danger to these persons,

- d) provide fencing, lighting, guarding and watching of the Works until completion and taking over under Clause 10 [Procuring Entity's Taking Over], and
- e) provide any Temporary Works (including roadways, footways, guards and fences) which may be necessary, because of the execution of the Works, for the use and protection of the public and of owners and occupiers of adjacent land.

49 Quality Assurance

- 4.91 The Contractor shall institute a quality assurance system to demonstrate compliance with the requirements of the Contract. The system shall be in accordance with the details stated in the Contract. The Architect shall be entitled to audit any aspect of the system.
- 4.92 Details of all procedures and compliance documents shall be submitted to the Architect for information before each design and execution stage is commenced. When any document of a technical nature is issued to the Engineer, evidence of the prior approval by the Contractor itself shall be apparent on the document itself.

Compliance with the quality assurance system shall not relieve the Contractor of any of his duties, obligations or responsibilities under the Contract.

410 Site Data

- 4.10.1 The Procuring Entity shall have made available to the Contractor for his information, prior to the Base Date, all relevant data in the Procuring Entity's possession on sub-surface and hydrological conditions at the Site, including environmental aspects. The Procuring Entity shall similarly make available to the Contractor all such data which come into the Procuring Entity's possession after the Base Date. The Contractor shall be responsible for interpreting all such data.
- 4.10.2 To the extent which was practicable (taking account of cost and time), the Contractor shall be deemed to have obtained all necessary information as to risks, contingencies and other circumstances which may influence or affect the Tender or Works. To the same extent, the Contractor shall be deemed to have inspected and examined the Site, its surroundings, the above data and other available information, and to have been satisfied before submitting the Tender as to all relevant matters, including (without limitation):
 - a) The form and nature of the Site, including sub-surface conditions,
 - b) the hydrological and climatic conditions,
 - c) the extent and nature of the work and Goods necessary for the execution and completion of the Works and the remedying of any defects,
 - d) the Laws, procedures and labour practices of Kenya, and
 - e) the Contractor's requirements for access, accommodation, facilities, personnel, power, transport, water and other services.

411 Sufficiency of the Accepted Contract Amount

- 4.11.1 The Contractor shall be deemed to:
 - a) Have satisfied itself as to the correctness and sufficiency of the Accepted Contract Amount, and
 - b) have based the Accepted Contract Amount on the data, interpretations, necessary information, inspections, examinations and satisfaction as to all relevant matters referred to in Sub-Clause 4.10 [Site Data].
- 4.11.2 Unless otherwise stated in the Contract, the Accepted Contract Amount covers all the Contractor's obligations under the Contract (including those under Provisional Sums, if any) and all things necessary for the proper execution and completion of the Works and the remedying of any defects.

412 Unforeseeable Physical Conditions

- 4.12.1 In this Sub-Clause, “physical conditions” means natural physical conditions and man-made and other physical obstructions and pollutants, which the Contractor encounters at the Site when executing the Works, including sub-surface and hydrological conditions but excluding climatic conditions.
- 4.12.2 If the Contractor encounters adverse physical conditions which he considers to have been Unforeseeable, the Contractor shall give notice to the Architect as soon as practicable.
- 4.12.3 This notice shall describe the physical conditions, so that they can be inspected by the Architect and shall set out the reasons why the Contractor considers them to be Unforeseeable. The Contractor shall continue executing the Works, using such proper and reasonable measures as are appropriate for the physical conditions, and shall comply with any instructions which the Architect may give. If an instruction constitutes a Variation, Clause 13 [Variations and Adjustments] shall apply.
- 4.12.4 If and to the extent that the Contractor encounters physical conditions which are Unforeseeable, gives such a notice, and suffers delay and/or incurs Cost due to these conditions, the Contractor shall be entitled subject to notice under Sub-Clause 20.1 [Contractor's Claims] to:
- a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and
 - b) payment of any such Cost, which shall be included in the Contract Price.
- 4.12.5 Upon receiving such notice and inspecting and/or investigating these physical conditions, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine (i) whether and (if so) to what extent these physical conditions were Unforeseeable, and (ii) the matters described in sub-paragraphs (a) and (b) above related to this extent.
- 4.12.6 However, before additional Cost is finally agreed or determined under sub-paragraph (ii), the Architect may also review whether other physical conditions in similar parts of the Works (if any) were more favorable than could reasonably have been foreseen when the Contractor submitted the Tender. If and to the extent that these more favorable conditions were encountered, the Architect may proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine the reductions in Cost which were due to these conditions, which may be included (as deductions) in the Contract Price and Payment Certificates. However, the net effect of all adjustments under sub-paragraph (b) and all these reductions, for all the physical conditions encountered in similar parts of the Works, shall not result in a net reduction in the Contract Price.
- 4.12.7 The Architect shall take account of any evidence of the physical conditions foreseen by the Contractor when submitting the Tender, which shall be made available by the Contractor, but shall not be bound by the Contractor's interpretation of any such evidence.

413 Rights of Way and Facilities

Unless otherwise specified in the Contract the Procuring Entity shall provide effective access to and possession of the Site including special and/or temporary rights-of-way which are necessary for the Works. The Contractor shall obtain, at his risk and cost, any additional rights of way or facilities out side the Site which he may require for the purposes of the Works.

414 Avoidance of Interference

- 4.14.1 The Contractor shall not interfere unnecessarily or improperly with:
- a) The convenience of the public, or
 - b) The access to and use and occupation of all roads and foot paths, irrespective of whether they are public or in the possession of the Procuring Entity or of others.

4.14.2 The Contractor shall indemnify and hold the Procuring Entity harmless against and from all damages, losses and expenses (including legal fees and expenses) resulting from any such unnecessary or improper interference.

4.15 Access Route

4.15.1 The Contractor shall be deemed to have been satisfied as to the suitability and availability of access routes to the Site at Base Date. The Contractor shall use reasonable efforts to prevent any road or bridge from being damaged by the Contractor's traffic or by the Contractor's Personnel. These efforts shall include the proper use of appropriate vehicles and routes.

4.15.2 Except as otherwise stated in these Conditions:

- a) The Contractor shall (as between the Parties) be responsible for any maintenance which may be required for his use of access routes;
- b) the Contractor shall provide all necessary signs or directions along access routes, and shall obtain any permission which may be required from the relevant authorities for his use of routes, signs and directions;
- c) the Procuring Entity shall not be responsible for any claims which may arise from the use or otherwise of any access route;
- d) the Procuring Entity does not guarantee the suitability or availability of particular access routes; and
- e) Costs due to non-suitability or non-availability, for the use required by the Contractor, of access routes shall be borne by the Contractor.

4.16 Transport of Goods

Unless otherwise stated in the Special Conditions:

- a) the Contractor shall give the Architect not less than 21 days' notice of the date on which any Plant or a major item of other Goods will be delivered to the Site;
- b) the Contractor shall be responsible for packing, loading, transporting, receiving, unloading, storing and protecting all Goods and other things required for the Works; and
- c) the Contractor shall indemnify and hold the Procuring Entity harmless against and from all damages, losses and expenses (including legal fees and expenses) resulting from the transport of Goods and shall negotiate and pay all claims arising from their transport.

4.17 Contractor's Equipment

The Contractor shall be responsible for all Contractor's Equipment. When brought on to the Site, Contractor's Equipment shall be deemed to be exclusively intended for the execution of the Works. The Contractor shall not remove from the Site any major items of Contractor's Equipment without the consent of the Engineer. However, consent shall not be required for vehicles transporting Goods or Contractor's Personnel off Site.

4.18 Protection of the Environment

4.18.1 The contractor shall comply with the applicable environmental laws, regulations and policies.

4.18.2 The Contractor shall take all reasonable steps to protect the environment (both on and off the Site) and to limit damage and nuisance to people and property resulting from pollution, noise and other results of his operations.

4.18.3 The Contractors shall ensure that emissions, surfaced is charges and effluent from the Contractor's activities shall not exceed the values stated in the Specification or prescribed by applicable Laws.

4.19 Electricity, Water and Gas

4.19.1 The Contractor shall, except as stated below, be responsible for the provision of all power, water and other services he may require for his construction activities and to the extent defined in the Specifications, for the tests.

- 4.192 The Contractor shall be entitled to use for the purposes of the Works such supplies of electricity, water, gas and other services as may be available on the Site and of which details and prices are given in the Specifications. The Contractor shall, at his risk and cost, provide any apparatus necessary for his use of these services and for measuring the quantities consumed.
- 4.193 The quantities consumed and the amounts due (at these prices) for such services shall be agreed or determined by the Architect in accordance with Sub-Clause 2.5 [Procuring Entity's Claims] and Sub-Clause 3.5 [Determinations]. The Contractor shall pay these amounts to the Procuring Entity.

420 Procuring Entity's Equipment and Free-Issue Materials

- 4.20.1 The Procuring Entity shall make the Procuring Entity's Equipment (if any) available for the use of the Contractor in the execution of the Works in accordance with the details, arrangements and prices stated in the Specification. Unless otherwise stated in the Specification:
- a) The Procuring Entity shall be responsible for the Procuring Entity's Equipment, except that
 - b) the Contractor shall be responsible for each item of Procuring Entity's Equipment whilst any of the Contractor's Personnel is operating it, driving it, directing it or in possession or control of it.
- 4.20.1 The appropriate quantities and the amounts due (at such stated prices) for the use of Procuring Entity's Equipment shall be agreed or determined by the Architect in accordance with Sub-Clause 2.5 [Procuring Entity's Claims] and Sub-Clause 3.5 [Determinations]. The Contractor shall pay these amounts to the Procuring Entity.
- 4.20.2 The Procuring Entity shall supply, free of charge, the "free-issue materials" (if any) in accordance with the details stated in the Specification. The Procuring Entity shall, at his risk and cost, provide these materials at the time and place specified in the Contract. The Contractor shall then visually inspect them and shall promptly give notice to the Architect of any shortage, defect or default in these materials. Unless otherwise agreed by both Parties, the Procuring Entity shall immediately rectify the notified shortage, defect or default.
- 4.20.3 After this visual inspection, the free-issue materials shall come under the care, custody and control of the Contractor. The Contractor's obligations of inspection, care, custody and control shall not relieve the Procuring Entity of liability for any shortage, defect or default not apparent from a visual inspection.

421 Progress Reports

- 4.21.1 Unless otherwise stated in the Special Conditions, monthly progress reports shall be prepared by the Contractor and submitted to the Architect in six copies. The first report shall cover the period up to the end of the first calendar month following the Commencement Date. Reports shall be submitted monthly thereafter, each within 7 days after the last day of the period to which it relates.
- 4.21.2 Reporting shall continue until the Contractor has completed all work which is known to be outstanding at the completion date stated in the Taking-Over Certificate for the Works. Each report shall include:
- a) charts and detailed descriptions of progress, including each stage of design (if any), Contractor's Documents, procurement, manufacture, delivery to Site, construction, erection and testing; and including these stages for work by each nominated Subcontractor (as defined in Clause 5 [Nominated Subcontractors]),
 - b) photographs showing the status of manufacture and of progress on the Site;
 - c) for the manufacture of each main item of Plant and Materials, the name of the manufacturer, manufacture location, percentage progress, and the actual or expected dates of:
 - i) commencement of manufacture,
 - ii) Contractor's inspections,
 - iii) tests, and
 - iv) shipment and arrival at the Site;
 - d) the details described in Sub-Clause 6.10 [Records of Contractor's Personnel and Equipment];
 - e) copies of quality assurance documents, test results and certificates of Materials;

- f) list of notices given under Sub-Clause 2.5 [Procuring Entity's Claims] and notices given under Sub- Clause 20.1 [Contractor's Claims];
- g) safety statistics, including details of any hazardous incidents and activities relating to environmental aspects and public relations; and
- h) comparison so factual and planned progress, with details of any events or circumstances which may jeopardize the completion in accordance with the Contract, and the measures being (or to be) adopted to overcome delays.

422 Security of the Site

Unless otherwise stated in the Special Conditions:

- a) The Contractor shall be responsible for keeping unauthorized persons off the Site, and
- b) authorized persons shall be limited to the Contractor's Personnel and the Procuring Entity's Personnel; and to any other personnel notified to the Contractor, by the Procuring Entity or the Engineer, as authorized personnel of the Procuring Entity's other contractors on the Site.

423 Contractor's Operations on Site

- 423.1 The Contractor shall confine his operations to the Site, and to any additional areas which may be obtained by the Contractor and agreed by the Architect as additional working areas. The Contractor shall take all necessary precautions to keep Contractor's Equipment and Contractor's Personnel within the Site and these additional areas, and to keep them off adjacent and.
- 423.2 During the execution of the Works, the Contractor shall keep the Site free from all unnecessary obstruction and shall store or dispose of any Contractor's Equipment or surplus materials. The Contractor shall clear away and remove from the Site any wreckage, rubbish and Temporary Works which are no longer required.
- 423.3 Upon the issue of a Taking-Over Certificate, the Contractor shall clear away and remove, from that part of the Site and Works to which the Taking-Over Certificate refers, all Contractor's Equipment, surplus material, wreckage, rubbish and Temporary Works. The Contractor shall leave that part of the Site and the Works in a clean and safe condition. However, the Contractor may retain on Site, during the Defects Notification Period, such Goods as are required for the Contractor to fulfill obligations under the Contract.

424 Fossils

- 424.1 All fossils, coins, articles of value or antiquity, and structures and other remains or items of geological or archaeological interest found on the Site shall be placed under the care and authority of the Procuring Entity. The Contractor shall take reasonable precautions to prevent Contractor's Personnel or other persons from removing or damaging any of these findings.
- 424.2 The Contractor shall, upon discovery of any such finding, promptly give notice to the Engineer, who shall issue instructions for dealing with it. If the Contractor suffers delay and/or incurs Cost from complying with the instructions, the Contractor shall give a further notice to the Architect and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to:
- a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and
 - b) payment of any such Cost, which shall be included in the Contract Price.
- After receiving this further notice, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.

5 NOMINATED SUBCONTRACTORS

5.1 Definition of “nominated Subcontractor”

In this Contract, “nominated Subcontractor” means a Subcontractor:

- a) Who is nominated by the Procuring Entity, or
- b) Contractor has nominated as a Subcontractor subject to Sub-Clause 5.2 [Objection to Notification].

52 Objection to Nomination

The Contractor shall not be under any obligation to employ a nominated Subcontractor against whom the Contractor raises reasonable objection by notice to the Procuring Entity as soon as practicable, with supporting particulars. An objection shall be deemed reasonable if it arises from (among other things) any of the following matters, unless the Procuring Entity agrees in writing to indemnify the Contractor against and from the consequences of the matter:

- a) there are reasons to believe that the Subcontractor does not have sufficient competence, resources or financial strength;
- b) the nominated Subcontractor does not accept to indemnify the Contractor against and from any negligence or misuse of Goods by the nominated Subcontractor, his agents and employees; or
- c) the nominated Subcontractor does not accept to enter into a subcontract which specifies that, for the subcontracted work (including design, if any), the nominated Subcontractor shall:
 - i) undertake to the Contractor such obligations and liabilities as will enable the Contractor to discharge his obligations and liabilities under the Contract;
 - ii) indemnify the Contractor against and from all obligations and liabilities arising under or in connection with the Contract and from the consequences of any failure by the Subcontractor to perform these obligations or to fulfill these liabilities, and
 - iii) be paid only if and when the Contractor has received from the Procuring Entity payments for sums due under the Subcontract referred to under Sub-Clause 5.3 [Payment to nominated Subcontractors].

53 Payments to nominated Subcontractors.

The Contractor shall pay to the nominated Subcontractor the amounts shown on the nominated Subcontractor's invoices approved by the Contractor which the Architect certifies to be due in accordance with the subcontract. These amounts plus other charges shall be included in the Contract Price in accordance with sub-paragraph (b) of Sub-Clause 13.5 [Provisional Sums], except as stated in Sub-Clause 5.4 [Evidence of Payments].

54 Evidence of Payments

54.1 Before issuing a Payment Certificate which includes an amount payable to a nominated Subcontractor, the Architect may request the Contractor to supply reasonable evidence that the nominated Subcontractor has received all amounts due in accordance with previous Payment Certificates, less applicable deductions for retention or otherwise. Unless the Contractor:

- (a) Submits this reasonable evidence to the Engineer, or
- (b)
 - i) Satisfies the Architect in writing that the Contractor is reasonably entitled to withhold or refuse to pay these amounts, and
 - ii) Submits to the Architect reasonable evidence that the nominated Subcontractor has been notified of the Contractor's entitlement, then the Procuring Entity may (at his sole discretion) pay, directly to the nominated Subcontractor, part or all of such amounts previously certified (less applicable deductions) as are due to the nominated Subcontractor and for which the Contractor has failed to submit the evidence described in sub-paragraphs (a) or (b) above. The Contractor shall then repay, to the Procuring Entity, the amount which the nominated Subcontractor was directly paid by the Procuring Entity.

6 STAFF AND LABOR

6.1 Engagement of Staff and Labor

Except as otherwise stated in the Specification, the Contractor shall make arrangements for the engagement of all staff and labor, local or otherwise, and for their payment, feeding, transport, and, when appropriate, housing. The Contractor is encouraged, to the extent practicable and reasonable, to employ staff and labor with appropriate qualifications and experience from sources within Kenya.

62 Rates of Wages and Conditions of Labor

62.1 The Contractor shall pay rates of wages, and observe conditions of labor, which are not lower than those established for the trade or industry where the work is carried out. If no established rates or conditions are applicable, the Contractor shall pay rates of wages and observe conditions which are not lower than the general level of wages and conditions observed locally by Procuring Entity's whose trade or industry is similar to that of the Contractor.

62.2 The Contractor shall inform the Contractor's Personnel about their liability to pay personal income taxes in Kenya in respect of such of their salaries, wages, allowances and any benefits as are subject to tax under the Laws of Kenya for the time being in force, and the Contractor shall perform such duties in regard to such deductions there of as may be imposed on him by such Laws.

63 Persons in the Service of Procuring Entity

The Contractor shall not recruit, or attempt to recruit, staff and labour from amongst the Procuring Entity's Personnel.

64 Labor Laws

The Contractor shall comply with all the relevant labour Laws applicable to the Contractor's Personnel, including Laws relating to their employment, employment of children, health, safety, welfare, immigration and emigration, and shall allow them all their legal rights. The Contractor shall require his employees to obey all applicable Laws, including those concerning safety at work.

65 Working Hours

No work shall be carried out on the Site on locally recognized days of rest, or outside the normal working hours stated in the **Special Conditions of Contract**, unless:

- a) Otherwise stated in the Contract,
- b) The Architect gives consent, or
- c) The work is unavoidable, or necessary for the protection of life or property or for the safety of the Works, in which case the Contractor shall immediately advise the Engineer, provided that work done outside the normal working hours shall be considered and paid for as overtime.

66 Facilities for Staff and Labor

Except as otherwise stated in the Specification, the Contractor shall provide and maintain all necessary accommodation and welfare facilities on site for the Contractor's Personnel. The Contractor shall also provide facilities for the Procuring Entity's Personnel as stated in the Specifications. The Contractor shall not permit any of the Contractor's Personnel to maintain any temporary or permanent living quarters within the structures forming part of the Permanent Works.

67 Health and Safety

67.1 The Contractor shall at all times take all reasonable precautions to maintain the health and safety of the Contractor's Personnel. In collaboration with local health authorities, the Contractor shall ensure that medical staff, first aid facilities, sick bay and ambulance service are available at all times at the Site and at any accommodation for Contractor's and Procuring Entity's Personnel, and that suitable arrangements are made for all necessary welfare and hygiene requirements and for the prevention of epidemics.

67.2 The Contractor shall appoint an accident prevention officer at the Site, responsible for maintaining safety and protection against accidents. This person shall be qualified for this responsibility and shall have the authority to issue instructions and take protective measures to prevent accidents. Throughout the execution of the Works, the Contractor shall provide whatever is required by this person to exercise this responsibility and authority.

673 The Contractor shall send, to the Engineer, details of any accident as soon as practicable after its occurrence. The Contractor shall maintain records and make reports concerning health, safety and welfare of persons, and damage to property, as the Architect may reasonably require.

674 The Contractor shall conduct an awareness programme on HIV and other sexually transmitted diseases via an approved service provider and shall undertake such other measures taken to reduce the risk of the transfer of these diseases between and among the Contractor's Personnel and the local community, to promote early diagnosis and to assist affected individuals.

68 Contractor's Superintendence

681 Throughout the execution of the Works, and as long thereafter as is necessary to fulfill the Contractor's obligations, the Contractor shall provide all necessary super intendence to plan, arrange, direct, manage, inspect and test the work.

682 Superintendence shall be given by a sufficient number of persons having adequate knowledge of the language for communications (defined in Sub-Clause 1.4 [Law and Language]) and of the operations to be carried out (including the methods and techniques required, the hazards likely to be encountered and methods of preventing accidents), for the satisfactory and safe execution of the Works.

69 Contractor's Personnel

691 The Contractor's Personnel shall be appropriately qualified, skilled and experienced in their respective trades or occupations. The Contractors Key personnel shall be named in the Special Conditions of Contract. The Architect may require the Contractor to remove (or cause to be removed) any person employed on the Site or Works, including the Contractor's Representative if applicable, who:

- a) Persists in any misconduct or lack of care,
- b) Carries out duties in competently or negligently,
- c) fails to conform with any provisions of the Contract,
- d) persists in any conduct which is prejudicial to safety, health, or the protection of the environment, or
- e) based on reasonable evidence, is determined to have engaged in Fraud and Corruption during the execution of the Works.

692 If appropriate, the Contractor shall then appoint (or cause to be appointed) a suitable replacement person.

610 Records of Contractor's Personnel and Equipment

The Contractor shall submit, to the Engineer, details showing the number of each class of Contractor's Personnel and of each type of Contractor's Equipment on the Site. Details shall be submitted each calendar month, in a form approved by the Engineer, until the Contractor has completed all work which is known to be outstanding at the completion date stated in the Taking-Over Certificate for the Works.

611 Disorderly Conduct

The Contractor shall at all times take all reasonable precautions to prevent any unlawful, riotous or disorderly conduct by or amongst the Contractor's Personnel, and to preserve peace and protection of persons and property on and near the Site.

612 Foreign Personnel

612.1 The Contractor shall not employ foreign personnel unless the contractor demonstrates that there are no Kenyans with the required skills.

612.2 The Contractor shall be responsible for the return of any foreign personnel to the place where they were recruited or to their domicile. In the event of the death in Kenya of any of these personnel or members of their families, the Contractor shall similarly be responsible for making the appropriate arrangements for their return or burial.

6.13 Supply of Water

The Contractor shall, having regard to local conditions, provide on the Site an adequate supply of drinking and other water for the use of the Contractor's Personnel.

6.14 Measures against Insect and Pest Nuisance

The Contractor shall at all times take the necessary precautions to protect the Contractor's Personnel employed on the Site from insect and pest nuisance, and to reduce the danger to their health. The Contractor shall comply with all the regulations of the local health authorities, including use of appropriate insecticide.

6.15 Alcoholic Liquor or Drugs

The Contractor shall not, otherwise than in accordance with the Laws of Kenya, onsite, import, sell, give, barter or otherwise dispose of any alcoholic liquor or drugs, or permit or allow importation, sale, gift, barter or disposal thereof by Contractor's Personnel.

6.16 Prohibition of Forced or Compulsory Labour

The Contractor shall not employ forced labor, which consists of any work or service, not voluntarily performed, that is exacted from an individual under threat of force or penalty, and includes any kind of involuntary or compulsory labor, such as indentured labor, bonded labor or similar labor-contracting arrangements.

6.17 Prohibition of Harmful Child Labor

The Contractor shall not employ children in a manner that is economically exploitative, or is likely to be hazardous, or to interfere with, the child's education, or to be harmful to the child's health or physical, mental, spiritual, moral, or social development. Where the relevant labour laws of Kenya have provisions for employment of minors, the Contractor shall follow those laws applicable to the Contractor. Children below the age of 18 years shall not be employed in dangerous work.

6.18 Employment Records of Workers

The Contractor shall keep complete and accurate records of the employment of labour at the Site. The records shall include the names, ages, genders, hours worked and wages paid to all workers. These records shall be summarized on a monthly basis and submitted to the Engineer. These records shall be included in the details to be submitted by the Contractor under Sub-Clause 6.10 [Records of Contractor's Personnel and Equipment].

6.19 Workers' Organizations

The Contractor shall comply with the relevant labor laws that recognize workers' rights to form and to join workers' organizations of their choosing without interference.

6.20 Non-Discrimination and Equal Opportunity

The Contractor shall base the labour employment on the principle of equal opportunity and fair treatment and shall not discriminate with respect to aspects of the employment relationship, including recruitment and hiring, compensation (including wages and benefits), working conditions and terms of employment, access to training, promotion, termination of employment or retirement, and discipline.

7. PLANT, MATERIALS AND WORKMANSHIP

7.1 Manner of Execution

The Contractor shall carry out the manufacture/assemble of plant, the production and manufacture of Materials, and all other execution of the Works:

- a) In the manner (if any) specified in the Contract,
- b) in a proper workman like and careful manner, in accordance with recognized good practice, and

- c) with properly equipped facilities and non-hazardous Materials, except as otherwise specified in the Contract.

72 Samples

The Contractor shall submit the following samples of Materials, and relevant information, to the Architect for consent prior to using the Material sin or for the Works:

- a) manufacturer's standard samples of Materials and samples specified in the Contract, all at the Contractor's cost, and
- b) additional samples instructed by the Architect as a Variation.

Each sample shall be labeled as to origin and intended use in the Works.

73 Inspection

73.1 The Procuring Entity's Personnel shall at all reasonable times:

- a) Have full access to all parts of the Site and to all places from which natural Materials are being obtained, and
- b) during production, manufacture and construction (at the Site and elsewhere), be entitled to examine, inspect, measure and test the materials and workmanship, and to check the progress of manufacture of Plant and production and manufacture of Materials.

73.2 The Contractor shall give the Procuring Entity's Personnel full opportunity to carry out these activities, including providing access, facilities, permissions and safety equipment. No such activity shall relieve the Contractor from any obligation or responsibility.

73.3 The Contractor shall give notice to the Architect whenever any work is ready and before it is covered up, put out of sight, or packaged for storage or transport. The Architect shall then either carry out the examination, inspection, measurement or testing without unreasonable delay, or promptly give notice to the Contractor that the Architect does not require to do so. If the Contractor fails to give the notice, he shall, if and when required by the Engineer, uncover the work and there after reinstate and make good, all at the Contractor's cost.

74 Testing

74.1 This Sub-Clause shall apply to all tests specified in the Contract.

74.2 Except as otherwise specified in the Contract, the Contractor shall provide all apparatus, assistance, documents and other information, electricity, equipment, fuel, consumables, instruments, labor, materials, and suitably qualified and experienced staff, as are necessary to carry out the specified tests efficiently. The Contractor shall agree, with the Engineer, the time and place for the specified testing of any Plant, Materials and other parts of the Works.

74.3 The Architect may, under Clause 13 [Variations and Adjustments], vary the location or details of specified tests, or instruct the Contractor to carry out additional tests. If these varied or additional tests show that the tested Plant, Materials or workmanship is not in accordance with the Contract, the cost of carrying out this Variation shall be borne by the Contractor, notwithstanding other provisions of the Contract.

74.4 The Architect shall give the Contractor not less than 24 hours' notice of the Architect intention to attend the tests. If the Architect does not attend at the time and place agreed, the Contractor may proceed with the tests, unless otherwise instructed by the Engineer, and the tests shall then be deemed to have been made in the Architect presence.

74.5 If the Contractor suffers delay and/ or incurs Cost from complying with these instructions or as a result of a delay for which the Procuring Entity is responsible, the Contractor shall give notice to the Architect and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to:

- a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and
- b) payment of any such Cost-plus profit, which shall be included in the Contract Price.

7.46 After receiving this notice, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.

7.47 The Contractor shall promptly forward to the Architect duly certified reports of the tests. When the specified tests have been passed, the Architect shall endorse the Contractor's test certificate, or issue a certificate to him, to that effect. If the Architect has not attended the tests, he shall be deemed to have accepted the readings as accurate.

7.5 Rejection

7.51 If, as a result of an examination, inspection, measurement or testing, any Plant, Materials or workmanship is found to be defective or otherwise not in accordance with the Contract, the Architect may reject the Plant, Materials or workmanship by giving notice to the Contractor, with reasons. The Contractor shall then promptly make good the defect and ensure that the rejected item complies with the Contract.

7.52 If the Architect requires this Plant, Materials or workmanship to be retested, the tests shall be repeated under the same terms and conditions. If the rejection and retesting cause the Procuring Entity to incur additional costs, the Contractor shall subject to Sub-Clause 2.5 [Procuring Entity's Claims] pay these costs to the Procuring Entity.

7.6 Remedial Work

7.61 Notwithstanding any previous test or certification, the Architect may instruct the Contractor to:

- a) Remove from the Site and replace any Plant or Materials which is not in accordance with the Contract,
- b) remove and re-execute any other work which is not in accordance with the Contract, and
- c) execute any work which is urgently required for the safety of the Works, whether because of an accident, unforeseen event or otherwise.

7.62 The Contractor shall comply with the instruction within a reasonable time, which shall be the time (if any) specified in the instruction, or immediately if urgency is specified under sub-paragraph (c).

7.63 If the Contractor fails to comply with the instruction, the Procuring Entity shall be entitled to employ and pay other persons to carry out the work. Except to the extent that the Contractor would have been entitled to payment for the work, the Contractor shall subject to Sub-Clause 2.5 [Procuring Entity's Claims] pay to the Procuring Entity all costs arising from this failure.

7.64 If the contractor repeatedly delivers defective work, the Procuring Entity may consider termination in accordance with Clause 15.

7.7 Ownership of Plant and Materials

Except as otherwise provided in the Contract, each item of Plant and Materials shall become the property of the Procuring Entity at whichever is the earlier of the following times, free from liens and other encumbrances:

- a) When it is incorporated in the Works;
- b) when the Contractor is paid the corresponding value of the Plant and Materials under Sub-Clause 8.10 [Payment for Plant and Materials in Event of Suspension].

7.8 Royalties

Unless otherwise stated in the Specification, the Contractor shall pay all royalties, rents and other payments for:

- a) Natural materials obtained from outside the Site, and
- b) The disposal of material from demolitions and excavations and of other surplus material (whether natural or man-made), except to the extent that disposal as within the Site are specified in the Contract.

8 COMMENCEMENT, DELAYS AND SUSPENSION

81 Commencement of Works

8.1.1 Except as otherwise specified in the Special Conditions of Contract, the Commencement Date shall be the date at which the following precedent condition have all been fulfilled and the Architect notification recording the agreement of both Parties on such fulfillment and instructing to commence the Work is received by the Contractor:

- a) Signature of the Contract Agreement by both Parties, and if required, approval of the Contract by relevant authorities of Kenya;
- b) except if otherwise specified in the Special Conditions of Contract, effective access to and possession of the Site given to the Contractor together with such permission(s) under (a) of Sub-Clause 1.13 [Compliance with Laws] as required for the commencement of the Works.
- c) Receipt by the Contractor of the Advance Payment under Sub-Clause 14.2 [Advance Payment] provided that the corresponding bank guarantee has been delivered by the Contractor.

8.1.2 If the said Architect instruction is not received by the Contractor within 180 days from his receipt of the Letter of Acceptance, the Contractor shall be entitled to terminate the Contract under Sub-Clause 16.2 [Termination by Contractor].

8.1.3 The Contractor shall commence the execution of the Works as soon as is reasonably practicable after the Commencement Date and shall then proceed with the Works with due expedition and without delay.

82 Time for Completion

The Contractor shall complete the whole of the Works, and each Section (if any), within the Time for Completion for the Works or Section (as the case may be), including:

- a) Achieving the passing of the Tests on Completion, and
- b) Completing all work which is stated in the Contract as being required for the Works or Section to be considered to be completed for the purposes of taking-over under Sub-Clause 10.1 [Taking Over of the Works and Sections].

83 Programme

8.3.1 The Contractor shall submit a detailed time programme to the Architect within 4 days after receiving the notice under Sub-Clause 8.1 [Commencement of Works]. The Contractor shall also submit a revised programme whenever the previous programme is inconsistent with actual progress or with the Contractor's obligations. Each programme shall include:

- a) The order in which the Contractor intends to carry out the Works, including the anticipated timing of each stage of design (if any), Contractor's Documents, procurement, manufacture of Plant, delivery to Site, construction, erection and testing,
- b) each of these stages for work by each nominated Subcontractor (as defined in Clause 5 [Nominated Subcontractors]),
- c) the sequence and timing of inspections and tests specified in the Contract, and
- d) a supporting report which includes:
 - i) a general description of the methods which the Contractor intends to adopt, and of the major stages, in the execution of the Works, and
 - ii) details showing the Contractor's reasonable estimate of the number of each class of Contractor's Personnel and of each type of Contractor's Equipment, required on the Site for each major stage.

- 832 Unless the Engineer, within 14 days after receiving a programme, gives notice to the Contractor stating the extent to which it does not comply with the Contract, the Contractor shall proceed in accordance with the programme, subject to his other obligations under the Contract. The Procuring Entity's Personnel shall be entitled to rely upon the programme when planning their activities.
- 833 The Contractor shall promptly give notice to the Architect of specific probable future events or circumstances which may adversely affect the work, increase the Contract Price or delay the execution of the Works.
- 834 If, at any time, the Architect gives notice to the Contractor that a programme fails (to the extent stated) to comply with the Contractor to be consistent with actual progress and the Contractor's stated intentions, the Contractor shall submit a revised programme to the Architect in accordance with this Sub-Clause.

84 Extension of Time for Completion

- 841 The Contractor shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to an extension of the Time for Completion if and to the extent that completion for the purposes of Sub-Clause 10.1 [Taking Over of the Works and Sections] is or will be delayed by any of the following causes:
- a) a Variation (unless an adjustment to the Time for Completion has been agreed under Sub-Clause 13.3 [Variation Procedure]) or other substantial change in the quantity of an item of work included in the Contract,
 - b) a cause of delay giving an entitlement to extension of time under a Sub-Clause of these Conditions,
 - c) exceptionally adverse climatic conditions,
 - d) Unforeseeable shortages in the availability of personnel or Goods caused by epidemic or governmental actions, or
 - e) any delay, impediment or prevention caused by or attributable to the Procuring Entity, the Procuring Entity's Personnel, or the Procuring Entity's other contractors.
- 842 If the Contractor considers itself to be entitled to an extension of the Time for Completion, the Contractor shall give notice to the Architect in accordance with Sub-Clause 20.1 [Contractor's Claims]. When determining each extension of time under Sub-Clause 20.1, the Architect shall review previous determinations and may increase, but shall not decrease, the total extension of time.

85 Delays Caused by Authorities

If the following conditions apply, namely:

- a) The Contractor has diligently followed the procedures laid down by the relevant legally constituted public authorities in Kenya,
- b) These authorities delay or disrupt the Contractor's work, and
- c) the delay or disruption was Unforeseeable, then this delay or disruption will be considered as a cause of delay under sub-paragraph (b) of Sub-Clause 8.4 [Extension of Time for Completion].

86 Rate of Progress

- 861 If, at any time:
- a) Actual progress is too slow to complete within the Time for Completion, and/or
 - b) Progress has fallen (or will fall) behind the current programme under Sub-Clause 8.3 [Programme], other than as a result of a cause listed in Sub-Clause 8.4 [Extension of Time for Completion], then the Architect may instruct the Contractor to submit, under Sub-Clause 8.3 [Programme], a revised programme and supporting report describing the revised methods which the Contractor proposes to adopt in order to expedite progress and complete within the Time for Completion.

862 Unless the Architect notifies otherwise, the Contractor shall adopt these revised methods, which may require increases in the working hours and/or in the numbers of Contractor's Personnel and/or Goods, at the risk and cost of the Contractor. If these revised methods cause the Procuring Entity to incur additional costs, the Contractor shall subject to notice under Sub-Clause 2.5 [Procuring Entity's Claims] pay these costs to the Procuring Entity, in addition to delay damages (if any) under Sub-Clause 8.7 below.

863 Additional costs of revised methods including acceleration measures, instructed by the Architect to reduce delays resulting from causes listed under Sub-Clause 8.4 [Extension of Time for Completion] shall be paid by the Procuring Entity, without generating, however, any other additional payment benefit to the Contractor.

87 Delay Damages

87.1 If the Contractor fails to comply with Sub-Clause 8.2 [Time for Completion], the Contractor shall subject to notice under Sub-Clause 2.5 [Procuring Entity's Claims] pay delay damages to the Procuring Entity for this default. These delay damages shall be the sum stated in the **Special Conditions of Contract**, which shall be paid for everyday which shall elapse between the relevant Time for Completion and the date stated in the taking-Over Certificate. However, the total amount due under this Sub-Clause shall not exceed the maximum amount of delay damages (if any) stated in the Special Conditions of Contract.

87.2 These delay damages shall be the only damages due from the Contractor for such default, other than in the event of termination under Sub-Clause 15.2 [Termination by Procuring Entity] prior to completion of the Works. These damages shall not relieve the Contractor from his obligation to complete the Works, or from any other duties, obligations or responsibilities which he may have under the Contract.

88 Suspension of Work

88.1 The Architect may at any time instruct the Contractor to suspend progress of part or all of the Works. During such suspension, the Contractor shall protect, store and secure such part or the Works against any deterioration, loss or damage.

88.2 The Architect may also notify the cause for the suspension. If and to the extent that the cause is notified and is the responsibility of the Contractor, the following Sub-Clauses 8.9, 8.10 and 8.11 shall not apply.

89 Consequences of Suspension

89.1 If the Contractor suffers delay and/or incurs Cost from complying with the Architect instructions under Sub-Clause 8.8 [Suspension of Work] and/or from resuming the work, the Contractor shall give notice to the Architect and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to:

- a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and
- b) Payment of any such Cost, which shall be included in the Contract Price.

89.2 After receiving this notice, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.

89.3 The Contractor shall not be entitled to an extension of time for, or to payment of the Cost incurred in, making good the consequences of the Contractor's faulty design, workmanship or materials, or of the Contractor's failure to protect, store or secure in accordance with Sub-Clause 8.8 [Suspension of Work].

8.10 Payment for Plant and Materials in Event of Suspension

The Contractor shall be entitled to payment of the value (as at the date of suspension) of Plant and/ or Materials which have not been delivered to Site, if:

- a) The work on Plant or delivery of Plant and/ or Materials has been suspended for more than 30 days, and
- b) the Contractor has marked the Plant and/or Materials as the Procuring Entity's property in accordance with the Architect instructions.

8.11 Prolonged Suspension

If the suspension under Sub-Clause 8.8 [Suspension of Work] has continued for more than 84 days, the Contractor may request the Architect permission to proceed. If the Architect does not give permission within 30 days after being requested to do so, the Contractor may, by giving notice to the Engineer, treat the suspension as an omission under Clause 13 [Variations and Adjustments] of the affected part of the Works. If the suspension affects the whole of the Works, the Contractor may give notice of termination under Sub-Clause 16.2 [Termination by Contractor].

8.12 Resumption of Work

After the permission or instruction to proceed is given, the Contractor and the Architect shall jointly examine the Works and the Plant and Materials affected by the suspension. The Contractor shall make good any deterioration or defect in or loss of the Works or Plant or Materials, which has occurred during the suspension after receiving from the Architect an instruction to this effect under Clause 13 [Variations and Adjustments].

9 TESTS ON COMPLETION

9.1 Contractor's Obligations

9.1.1 The Contractor shall carry out the Tests on Completion in accordance with this Clause and Sub-Clause 7.4 [Testing], after providing the documents in accordance with sub-paragraph (d) of Sub-Clause 4.1 [Contractor's General Obligations].

9.1.2 The Contractor shall give to the Architect not less than 21 days' notice of the date after which the Contractor will be ready to carry out each of the Tests on Completion. Unless otherwise agreed, Tests on Completion shall be carried out within 14 days after this date, on such day or days as the Architect shall instruct.

9.1.3 In considering the results of the Tests on Completion, the Architect shall make allowances for the effect of any use of the Works by the Procuring Entity on the performance or other characteristics of the Works. As soon as the Works, or a Section, have passed any Tests on Completion, the Contractor shall submit a certified report of the results of these Tests to the Engineer.

9.2 Delayed Tests

9.2.1 If the Tests on Completion are being unduly delayed by the Procuring Entity, Sub-Clause 7.4 [Testing] (fifth paragraph) and/ or Sub-Clause 10.3 [Interference with Tests on Completion] shall be applicable.

9.2.2 If the Tests on Completion are being unduly delayed by the Contractor, the Architect may by notice require the Contractor to carry out the Tests within 21 days after receiving the notice. The Contractor shall carry out the Tests on such day or days within that period as the Contractor may fix and of which he shall give notice to the Engineer.

9.2.3 If the Contractor fails to carry out the Tests on Completion within the period of 21 days, the Procuring Entity's Personnel may proceed with the Test at the risk and cost of the Contractor. The Tests on Completion shall then be deemed to have been carried out in the presence of the Contractor and the results of the Tests shall be accepted as accurate.

9.3 Testing related work

If the Works, or a Section, fail to pass the Tests on Completion, Sub-Clause 7.5 [Rejection] shall apply, and the Architect or the Contractor may require the failed Tests, and Tests on Completion on any related work, to be repeated under the same terms and conditions.

94 Failure to Pass Tests on Completion

- 94.1 If the Works, or a Section, fail to pass the Tests on Completion repeated under Sub-Clause 9.3 [Retesting], the Architect shall be entitled to:
- a) Order further repetition of Tests on Completion under Sub-Clause 9.3; or
 - b) if the failure deprives the Procuring Entity of substantially the whole benefit of the Works or Section, reject the Works or Section (as the case may be), in which event the Procuring Entity shall have the same remedies as are provided in sub-paragraph (c) of Sub-Clause 1.4 [Failure to Remedy Defects].

10 PROCURING ENTITY'S TAKING OVER

10.1 Taking Over of the Works and Sections

- 10.1.1 Except as stated in Sub-Clause 9.4 [Failure to Pass Tests on Completion], the Works shall be taken over by the Procuring Entity when (i) the Works have been completed in accordance with the Contract, including the matters described in Sub-Clause 8.2 [Time for Completion] and except as allowed in sub-paragraph (a) below, and (ii) a Taking-Over Certificate for the Works has been issued, or is deemed to have been issued in accordance with this Sub-Clause.
- 10.1.2 The Contractor may apply by notice to the Architect for a Taking-Over Certificate not earlier than 14 days before the Works will, in the Contractor's opinion, be complete and ready for taking over. If the Works are divided into Sections, the Contractor may similarly apply for a Taking-Over Certificate for each Section.
- 10.1.3 The Architect shall, within 30 days after receiving the Contractor's application:
- a) Issue the Taking-Over Certificate to the Contractor, stating the date on which the Works or Section were completed in accordance with the Contract, except for any minor outstanding work and defects which will not substantially affect the use of the Works or Section for their intended purpose (either until or whilst this work is completed and these defects are remedied); or
 - b) reject the application, giving reasons and specifying the work required to be done by the Contractor to enable the Taking-Over Certificate to be issued. The Contractor shall then complete this work before issuing a further notice under this Sub-Clause.
- 10.1.4 If the Architect fails either to issue the Taking-Over Certificate or to reject the Contractor's application within the period of 30 days, and if the Works or Section (as the case may be) are substantially in accordance with the Contract, the Taking-Over Certificate shall be deemed to have been issued on the last day of that period.

10.2 Taking Over of Parts of the Works

- 10.2.1 The Architect may, at the sole discretion of the Procuring Entity, issue a Taking-Over Certificate for any part of the Permanent Works.
- 10.2.2 The Procuring Entity shall not use any part of the Works (other than as a temporary measure which is either specified in the Contract or agreed by both Parties) unless and until the Architect has issued a Taking-Over Certificate for this part. However, if the Procuring Entity does use any part of the Works before the Taking-Over Certificate is issued:
- a) The part which is used shall be deemed to have been taken over as from the date on which it is used,
 - b) the Contractor shall cease to be liable for the care of such part as from this date, when responsibility shall pass to the Procuring Entity, and
 - c) if requested by the Contractor, the Architect shall issue a Taking-Over Certificate for this part.
- 10.2.3 After the Architect has issued a Taking-Over Certificate for a part of the Works, the Contractor shall be given the earliest opportunity to take such steps as may be necessary to carry out any outstanding Tests on Completion. The Contractor shall carry out these Tests on Completion as soon as practicable before the expiry date of the relevant Defects Notification Period.
- 10.2.4 If the Contractor incurs Cost as a result of the Procuring Entity taking over and/or using a part of the Works, other than such use as is specified in the Contract, the Contractor shall (i) give notice to the Architect and (ii) be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to payment of any such accrued costs, which shall be included in the Contract Price. After receiving this notice, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine this accrued cost.

1025 If a Taking-Over Certificate has been issued for a part of the Works (other than a Section), the delay damages there after for completion of the remainder of the Works shall be reduced. Similarly, the delay damages for the remainder of the Section (if any) in which this part is included shall also be reduced. For any period of delay after the date stated in this Taking-Over Certificate, the proportional reduction in these delay damages shall be calculated as the proportion which the value of the part so certified bears to the value of the Works or Section (as the case may be) as a whole. The Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these proportions. The provisions of this paragraph shall only apply to the daily rate of delay damages under Sub-Clause 8.7 [Delay Damages] and shall not affect the maximum amount of these damages.

103 Interference with Tests on Completion

1031 If the Contractor is prevented, for more than 14 days, from carrying out the Tests on Completion by a cause for which the Procuring Entity is responsible, the Procuring Entity shall be deemed to have taken over the Works or Section (as the case may be) on the date when the Tests on Completion would otherwise have been completed.

1032 The Architect shall then issue a Taking-Over Certificate accordingly, and the Contractor shall carry out the Tests on Completion as soon as practicable, before the expiry date of the Defects Notification Period. The Architect shall require the Tests on Completion to be carried out by giving 14 days' notice and in accordance with the relevant provisions of the Contract.

1033 If the Contractor suffers delay and/or incurs Cost as a result of this delay in carrying out the Tests on Completion, the Contractor shall give notice to the Architect and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to:

- a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and
- b) payment of any such accrued costs, which shall be included in the Contract Price.

1034 After receiving this notice, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.

104 Surfaces Requiring Reinstatement

Except as otherwise stated in a Taking-Over Certificate, a certificate for a Section or part of the Works shall not be deemed to certify completion of any ground or other surfaces requiring reinstatement.

11 DEFECTS LIABILITY

11.1 Completion of Outstanding Work and Remedying Defects

11.1.1 In order that the Works and Contractor's Documents, and each Section, shall be in the condition required by the Contract (fair wear and tear excepted) by the expiry date of the relevant Defects Notification Period or as soon as practicable there after, the Contractor shall:

- a) complete any work which is outstanding on the date stated in a Taking-Over Certificate, within such reasonable time as is instructed by the Engineer, and
- b) execute all work required to remedy defects or damage, as may be notified by (or on behalf of) the Procuring Entity on or before the expiry date of the Defects Notification Period for the Works or Section (as the case may be).

11.1.2 If a defect appears or damage occurs, the Contractor shall be notified accordingly by the Engineer.

11.2 Cost of Remedying Defects

- 11.2.1 All work referred to in sub-paragraph (b) of Sub-Clause 11.1 [Completion of Outstanding Work and Remedying Defects] shall be executed at the risk and cost of the Contractor, if and to the extent that the work is attributable to:
- a) Any design for which the Contractor is responsible,
 - b) Plant, Materials or workmanship not being in accordance with the Contract, or
 - c) Failure by the Contractor to comply with any other obligation.
- 11.2.2 If and to the extent that such work is attributable to any other cause, the Contractor shall be notified promptly by (or on behalf of) the Procuring Entity, and Sub-Clause 13.3 [Variation Procedure] shall apply.

11.3 Extension of Defects Notification Period

- 11.3.1 The Procuring Entity shall be entitled subject to Sub-Clause 2.5 [Procuring Entity's Claims] to an extension of the Defects Notification Period for the Works or a Section if and to the extent that the Works, Section or a major item of Plant (as the case may be, and after taking over) cannot be used for the purposes for which they are intended by reason of a defect or by reason of damage attributable to the Contractor. However, a Defects Notification Period shall not be extended by more than two years.
- 11.3.2 If delivery and/ or erection of Plant and/ or Materials was suspended under Sub-Clause 8.8 [Suspension of Work] or Sub-Clause 16.1 [Contractor's Entitlement to Suspend Work], the Contractor's obligations under this Clause shall not apply to any defects or damage occurring more than two years after the Defects Notification Period for the Plant and/ or Materials would otherwise have expired.

11.4 Failure to Remedy Defects

- 11.4.1 If the Contractor fails to remedy any defect or damage within a reasonable time, a date may be fixed by the Engineer, on or by which the defect or damage is to be remedied. The Contractor shall be given reasonable notice of this date.
- 11.4.2 If the Contractor fails to remedy the defect or damage by this notified date and this remedial work was to be executed at the cost of the Contractor under Sub-Clause 11.2 [Cost of Remedying Defects], the Procuring Entity may (at his option):
- (a) Carry out the work itself or by others, in a reasonable manner and at the Contractor's cost, but the Contractor shall have no responsibility for this work; and the Contractor shall subject to Sub-Clause 2.5 [Procuring Entity's Claims] pay to the Procuring Entity the costs reasonably incurred by the Procuring Entity in remedying the defect or damage;
 - (b) Require the Architect to agree or determine a reasonable reduction in the Contract Price in accordance with Sub-Clause 3.5 [Determinations]; or
 - (c) if the defect or damage deprives the Procuring Entity of substantially the whole benefit of the Works or any major part of the Works, terminate the Contract as a whole, or in respect of such major part which cannot be put to the intended use. Without prejudice to any other rights, under the Contract otherwise, the Procuring Entity shall then be entitled to recover all sums paid for the Works or for such part (as the case may be), plus financing costs and the cost of dismantling the same, clearing the Site and returning Plant and Materials to the Contractor.

11.5 Removal of Defective Work

If the defector damage cannot be remedied expeditiously on the Site and the Procuring Entity gives consent, the Contractor may remove from the Site for the purposes of repair such items of Plant as are defective or damaged. This consent may require the Contractor to increase the amount of the Performance Security by the full replacement cost of these items, or to provide other appropriate security.

11.6 Further Tests

- 11.6.1 If the work of remedying of any defector damage may affect the performance of the Works, the Architect may require the repetition of any of the tests described in the Contract. The requirement shall be made by notice within 14 days after the defect or damage is remedied.

11.6.2 These tests shall be carried out in accordance with the terms applicable to the previous tests, except that they shall be carried out at the risk and cost of the Party liable, under Sub-Clause 11.2 [Cost of Remedying Defects], for the cost of the remedial work.

11.7 Right of Access

Until the Completion Certificate has been issued, the Contractor shall have such right of access to the Works as is reasonably required in order to comply with this Clause, except as may be inconsistent with the Procuring Entity's reasonable security restrictions.

11.8 Contractor to Search

The Contractor shall, if required by the Engineer, search for the cause of any defect on parts of the works that have already accepted, under the direction of the Engineer. Unless the defect is to be remedied at the cost of the Contractor under Sub-Clause 11.2 [Cost of Remedying Defects], the Cost of the search plus profit shall be agreed or determined by the Architect in accordance with Sub-Clause 3.5 [Determinations] and shall be included in the Contract Price.

11.9 Completion Certificate

11.9.1 Performance of the Contractor's obligations shall not be considered to have been completed until the Architect has issued the Completion Certificate to the Contractor, stating the date on which the Contractor completed his obligations under the Contract.

11.9.2 The Architect shall issue the Completion Certificate within 30 days after the latest of the expiry dates of the Defects Liability Period, or as soon thereafter as the Contractor has supplied all the Contractor's Documents and completed and tested all the Works, including remedying any defects. A copy of the Completion Certificate shall be issued to the Procuring Entity.

11.9.3 Only the Completion Certificate shall be deemed to constitute acceptance of the Works.

11.10 Unfulfilled Obligations

After the Completion Certificate has been issued, each Party shall remain liable for the fulfillment of any obligation which remains unperformed at that time. For the purposes of determining the nature and extent of unperformed obligations, the Contract shall be deemed to remain in force.

11.11 Clearance of Site

11.11.1 Upon receiving the Completion Certificate, the Contractor shall remove any remaining Contractor's Equipment, surplus material, wreckage, rubbish and Temporary Works from the Site.

11.11.2 If all these items have not been removed within 30 days after receipt by the Contractor of the Completion Certificate, the Procuring Entity may sell or otherwise dispose of any remaining items. The Procuring Entity shall be entitled to be paid the costs incurred in connection with, or attributable to, such sale or disposal and restoring the Site.

11.11.3 Any balance of the moneys from the sale shall be paid to the Contractor. If these moneys are less than the Procuring Entity's costs, the Contractor shall pay the outstanding balance to the Procuring Entity.

12 MEASUREMENT AND DEVALUATION

12.1 Works to be Measured

12.1.1 The Works shall be measured, and valued for payment, in accordance with this Clause. The Contractor shall show in each application under Sub-Clauses 14.3 [Application for Interim Payment Certificates], 14.10 [Statement on Completion] and 14.11 [Application for Final Payment Certificate] the quantities and other particulars detailing the amounts which he considers to be entitled under the Contract.

- 12.1.2 Whenever the Architect requires any part of the Works to be measured, reasonable notice shall be given to the Contractor's Representative, who shall:
- a) promptly either attend or send another qualified representative to assist the Architect in making the measurement, and
 - b) supply any particulars requested by the Engineer.
- 12.1.3 If the Contractor fails to attend or send a representative, the measurement made by the Architect shall be accepted as accurate.
- 12.1.4 Except as otherwise stated in the Contract, wherever any Permanent Works are to be measured from records, these shall be prepared by the Engineer. The Contractor shall, as and when requested, attend to examine and agree the records with the Engineer, and shall sign the same when agreed. If the Contractor does not attend, the records shall be accepted as accurate.
- 12.1.5 If the Contractor examines and disagrees the records, and/ or does not sign them as agreed, then the Contractor shall give notice to the Architect of the respects in which the records are asserted to be inaccurate. After receiving this notice, the Architect shall review the records and either confirm or vary them and certify the payment of the undisputed part. If the Contractor does not so give notice to the Architect within 14 days after being requested to examine the records, they shall be accepted as accurate.

122 Method of Measurement

Except as otherwise stated in the Contract:

- a) Measurement shall be made of the net actual quantity of each item of the Permanent Works, and
- b) the method of measurement shall be in accordance with the Bill of Quantities or other applicable Schedules.

123 Evaluation

- 123.1 Except as otherwise stated in the Contract, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine the value of work done by evaluating each item of work, applying the measurement agreed or determined in accordance with the above Sub-Clauses 12.1 and 12.2 and the appropriate rate or price for the item.
- 123.2 For each item of work, the appropriate rate or price for the item shall be the rate or price specified by the Contractor for such item in the Contract or, if there is no such item, specified for similar work.
- 123.3 Any item of work included in the Bill of Quantities for which no rate or price was specified by the contractor shall be considered as included in other rates and prices in the Bill of Quantities and will not be paid for separately.
- 123.4 However, for a new item of work, a new rate or price shall be appropriate for such item of work if:
- a) The work is instructed under Clause 13 [Variations and Adjustments],
 - b) no rate or price is specified in the Contract for this item, and
 - c) no specified rate or price is appropriate because the item of work is not of similar character, or is not executed under similar conditions, as any item in the Contract.
- 123.5 Each new rate or price shall be derived from any relevant rates or prices in the Contract. If no rates or prices are relevant for the new item of work, it shall be derived from the reasonable Cost of executing such work, prevailing market rates, together with profit, taking account of any other relevant matters.
- 123.6 Until such time as an appropriate rate or price is agreed or determined, the Architect shall determine a provisional rate or price for the purposes of Interim Payment Certificates as soon as the concerned work commences.
- 123.7 Where the contract price is different from the corrected tender price, in order to ensure the contractor is not paid less or more relative to the contract price (*which would be the tender price*), payment valuation certificates and variation orders on omissions and additions valued based on rates in the Bill of Quantities or schedule of rates in the Tender, will be adjusted by a plus or minus percentage. The percentage already worked out during tender evaluation is worked out as follows: $(\text{corrected tender price} - \text{tender price}) / \text{tender price} \times 100$.

124 Omissions

Whenever the omission of any work forms part (or all) of a Variation, the value of which has not been agreed, if:

- a) The Contractor will incur (or has incurred) cost which, if the work had not been omitted, would have been deemed to be covered by a sum forming part of the Accepted Contract Amount;
- b) The omission of the work will result (or has resulted) in this sum not forming part of the Contract Price; and
- c) this cost is not deemed to be included in the evaluation of any substituted work; then the Contractor shall give notice to the Architect accordingly, with supporting particulars. Upon receiving this notice, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine this cost, which shall be included in the Contract Price.

13 VARIATIONS AND ADJUSTMENTS

13.1 Right to Vary

13.1.1 Variations may be initiated by the Architect at any time prior to issuing the Taking-Over Certificate for the Works, either by an instruction or by a request for the Contractor to submit a proposal. No Variation instructed by the Architect under this Clause shall in any way vitiate or invalidate the Contract.

13.1.2 The Contractor shall execute and be bound by each Variation, unless the Contractor promptly gives notice to the Architect stating (with supporting particulars) that (i) the Contractor cannot readily obtain the Goods required for the Variation, or (ii) such Variation triggers a substantial change in the sequence or progress of the Works. Upon receiving this notice, the Architect shall cancel, confirm or vary the instruction.

13.1.3 Each Variation may include:

- a) changes to the quantities of any item of work included in the Contract (however, such changes do not necessarily constitute a Variation),
- b) changes to the quality and of the characteristics of any item of work,
- c) changes to the levels, positions and/ or dimensions of any part of the Works,
- d) omission of any work unless it is to be carried out by others,
- e) any additional work, Plant, Materials or services necessary for the Permanent Works, including any associated Tests on Completion, boreholes and other testing and exploratory work, or
- f) changes to the sequence or timing of the execution of the Works.

13.1.4 The Contractor shall not make any alteration and/or modification of the Permanent Works, unless and until the Architect instructs after obtaining approval of the Procuring Entity.

13.2 Variation Order Procedure

13.2.1 Prior to any Variation Order under Sub-Clause 13.1.4 the Architect shall notify the Contractor of the nature and form of such variation. As soon as possible after having received such notice, the Contractor shall submit to the Engineer:

- a) A description of work, if any, to be performed and a programme for its execution, and
- b) the Contractor's proposals for any necessary modifications to the Programme according to Sub-Clause 8.3 or to any of the Contractor's obligations under the Contract, and
- c) the Contractor's proposals for adjustment to the Contract Price.

Following the receipt of the Contractor's submission the Architect shall, after due consultation with the Employer and the Contractor, decide as soon as possible whether or not the variation shall be carried out. If the Architect decides that the variation shall be carried out, he shall issue a Variation Order clearly identified as such in accordance with the Contractor's submission or as modified by agreement.

If the Architect and the Contractor are unable to agree the adjustment of the Contract Price, the provisions of Sub-Clause 13.2.2 shall apply.

1322 Disagreement on Adjustment of the Contract Price

If the Contractor and the Architect are unable to agree on the adjustment of the Contract Price, the adjustment shall be determined in accordance with the rates specified in the Bills of Quantities or Schedule of Day work Prices. If the rates contained in the Bills of Quantities or Day works Prices are not directly applicable to the specific work in question, suitable rates shall be established by the Architect reflecting the level of pricing in the Day works Prices. Where rates are not contained in the said Prices, the amount shall be such as is in all the circumstances reasonable, reflecting a market price. Due account shall be taken of any over-or under-recovery of overheads by the Contractor in consequence of the variation. The Contractor shall also be entitled to be paid:

- a) The cost of any partial execution of the Works rendered useless by any such variation,
- b) The cost of making necessary alterations to Plant already manufactured or in the course of manufacture or of any work done that has to be altered in consequence of such a variation,
- c) any additional costs incurred by the Contractor by the disruption of the progress of the Works as detailed in the Programme, and
- d) the net effect of the Contractor's finance costs, including interest, caused by the variation.

The Architect shall on this basis determine the rates or prices to enable on-account payment to be included in certificates of payment.

1323 Contractor to Proceed

On receipt of a Variation Order, the Contractor shall forth with proceed to carry out the variation and be bound to these Conditions in so doing as if such variation was stated in the Contract. The work shall not be delayed pending the granting of an extension of the Time for Completion or an adjustment to the Contract Price under Sub-Clause 31.3.

133 Value Engineering

- 13.3.1 The Contractor may, at anytime, submit to the Architect written proposal which (in the Contractor's opinion) will, if adopted, (i) accelerate completion, (ii) reduce the cost to the Procuring Entity of executing, maintaining or operating the Works, (iii) improve the efficiency or value to the Procuring Entity of the completed Works, or
(iv) Otherwise be of benefit to the Procuring Entity.
- 13.3.2 The proposal shall be prepared at the cost of the Contractor and shall include the items listed in Sub-Clause 13.3 [Variation Procedure].
- 13.3.3 If a proposal, which is approved by the Engineer, includes a change in the design of part of the Permanent Works, then unless otherwise agreed by both Parties:
- a) The Contractor shall design this part,
 - b) sub-paragraphs (a) to (d) of Sub-Clause 4.1 [Contractor's General Obligations] shall apply, and
 - c) if this change results in a reduction in the contract value of this part, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine a fee, which shall be included in the Contract Price. This fee shall be (50%) of the difference between the following amounts:
 - i) such reduction in contract value, resulting from the change, excluding adjustments under Sub-Clause 13.8 [Adjustments for Changes in Legislation] and Sub-Clause 13.8 [Adjustments for Changes in Cost], and
 - ii) the reduction (if any) in the value to the Procuring Entity of the varied works, taking account of any improvement in quality, anticipated life or operational efficiencies.
- 13.3.3 However, if the amount established in item 13.2.3 (c) (i) is less than amount established in item 13.2.3 (c) (ii), there shall not be a fee. However, if the amount established in item 13.2.3 (c) (i) is more than amount established in item 13.2.3 (c) (ii), it shall result in a price variation to the Procuring Entity.

134 Variation Procedure for Value Engineering proposal

- 13.4.1 If the Architect requests a proposal, prior to instructing a Variation, the Contractor shall respond in writing as soon as practicable, either by giving reasons why he cannot comply (if this is the case) or by submitting:
- a) A description of the proposed work to be performed and a programme for its execution,
 - b) the Contractor's proposal for any necessary modifications to the programme according to Sub-Clause 8.3 [Programme] and to the Time for Completion, and
 - c) the Contractor's proposal for evaluation of the Variation.
- 13.4.2 The Architect shall, as soon as practicable after receiving such proposal (under Sub-Clause 13.2 [Value Project Engineering] or otherwise), respond with approval, disapproval or comments. The Contractor shall not delay any work whilst a waiting a response.
- 13.4.3 Each instruction to execute a Variation, with any requirements for the recording of Costs, shall be issued by the Architect to the Contractor, who shall acknowledge receipt.
- 13.4.4 Each Variation shall be evaluated in accordance with Clause 12 [Measurement and Evaluation], unless the Architect instructs or approves otherwise in accordance with this Clause.

135 Payment in Applicable Currencies

If the Contract provides for payment of the Contract Price in more than one currency, then whenever an adjustment is agreed, approved or determined as stated above, the amount payable in each of the applicable currencies shall be specified. For this purpose, reference shall be made to the actual or expected currency proportions of the Cost of the varied work, and to the proportions of various currencies specified for payment of the Contract Price.

136 Provisional Sums

- 13.6.1 Each Provisional Sum shall only be used, in whole or in part, in accordance with the Architect instructions, and the Contract Price shall be adjusted accordingly. The total sum paid to the Contractor shall include only such amounts, for the work, supplies or services to which the Provisional Sum relates, as the Architect shall have instructed. For each Provisional Sum, the Architect May instruct:
- a) Work to be executed (including Plant, Material so r services to be supplied) by the Contractor and valued under Sub-Clause 13.3 [Variation Procedure]; and/or
 - b) Plant, Materials or services to be purchased by the Contractor, from a nominated Subcontractor (as defined in Clause 5 [Nominated Subcontractors]) or otherwise; and for which there shall be included in the Contract Price:
 - i) The actual amounts paid (or due to be paid) by the Contractor, and
 - ii) a sum for overhead charges and profit, calculated as a percentage of these actual amounts by applying the relevant percentage rate (if any) stated in the appropriate Schedule. If there is no such rate, the percentage rate stated in **the Special Conditions of Contract** shall be applied.
- 13.6.2 The Contractor shall, when required by the Engineer, produce quotations, invoices, vouchers and accounts or receipts in substantiation.

137 Dayworks

- 13.7.1 For work of a minor or incidental nature, the Architect may instruct that a Variation shall be executed on a daywork basis. The work shall then be valued in accordance with the Daywork Schedule included in the Contract, and the following procedure shall apply. If a Daywork Schedule is not included in the Contract, this Sub-Clause shall not apply.
- 13.7.2 Before ordering Goods for the work, the Contractor shall submit quotations to the Engineer. When applying for payment, the Contractor shall submit invoices, vouchers and accounts or receipts for any Goods.

- 13.7.3 Except for any items for which the Daywork Schedule specifies that payment is not due, the Contractor shall deliver each day to the Architect accurate statements induplicate which shall include the following details of the resources used in executing the previous day's work:
- a) The names, occupations and time of Contractor's Personnel,
 - b) the identification, type and time of Contractor's Equipment and Temporary Works, and
 - c) the quantities and types of Plant and Materials used.
- 13.7.4 One copy of each statement will, if correct, or when agreed, be signed by the Architect and returned to the Contractor. The Contractor shall then submit priced statements of these resources to the Engineer, prior to their inclusion in the next Statement under Sub-Clause 14.3 [Application for Interim Payment Certificates].

138 Adjustments for Changes in Legislation

- 13.8.1 The Contract Price shall be adjusted to take account of any increase or decrease in Cost resulting from a change in the Laws of Kenya (including the introduction of new Laws and the repeal or modification of existing Laws) or in the judicial or official governmental interpretation of such Laws, made after the Base Date, which affect the Contractor in the performance of obligations under the Contract.
- 13.8.2 If the Contractor suffers (or will suffer) delay and/or incurs (or will incur) additional Cost as a result of these changes in the Laws or in such interpretations, made after the Base Date, the Contractor shall give notice to the Architect and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to:
- a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and
 - b) payment of any such Cost, which shall be included in the Contract Price.
- 13.8.3 After receiving this notice, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.
- 13.8.4 Notwithstanding the foregoing, the Contractor shall not be entitled to an extension of time if the relevant delay has already been taken into account in the determination of a previous extension of time and such Cost shall not be separately paid if the same shall already have been taken into account in the indexing of any inputs to the table of adjustment data in accordance with the provisions of Sub-Clause 13.8 [Adjustments for Changes in Cost].

139 Adjustments for Changes in Cost

- 139.1 In this Sub-Clause, "table of adjustment data" means the completed table of adjustment data for local and foreign currencies included in the Schedules. If there is no such table of adjustment data, this Sub-Clause shall not apply.
- 139.2 If this Sub-Clause applies, the amounts payable to the Contractor shall be adjusted for rises or falls in the cost of labor, Goods and other inputs to the Works, by the addition or deduction of the amounts determined by the formulae prescribed in this Sub-Clause. To the extent that full compensation for any rise or fall in Costs is not covered by the provisions of this or other Clauses, the Accepted Contract Amount shall be deemed to have included a mounts to cover the contingency of other rises and falls in costs.
- 139.3 The adjustment to be applied to the amount otherwise payable to the Contractor, as valued in accordance with the appropriate Schedule and certified in Payment Certificates, shall be determined from formulae for each of the currencies in which the Contract Price is payable. No adjustment is to be applied to work valued on the basis of Cost or current prices. The formulae shall be of the following general type:

Price Adjustment Formula

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

$$P = A + B \frac{I_m}{I_o}$$

where:

P is the adjustment factor for the portion of the Contract Price payable.

A and **B** are coefficients **specified in the SCC**, representing then on adjustable and adjustable portions, respectively, of the Contract Price payable and

I_m is the index prevailing at the end of the month being invoiced and **I_o** is the index prevailing 30 days before Bid opening for inputs payable.

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

- 139.4 The cost indices or reference prices stated in the table of adjustment data shall be used. If their source is in doubt, it shall be determined by the Engineer. For this purpose, reference shall be made to the values of the indices at stated dates (quoted in the fourth and fifth columns respectively of the table) for the purposes of clarification of the source; although these dates (and thus these values) may not correspond to the base cost indices.
- 139.5 Incases where the “currency of index” is not the relevant currency of payment, each index shall be converted into the relevant currency of payment at the selling rate, established by the Central Bank of Kenya, of this relevant currency on the above date for which the index is required to be applicable.
- 139.6 Until such time as each current cost index is available, the Architect shall determine a provisional index for the issue of Interim Payment Certificates. When a current cost index is available, the adjustment shall be recalculated accordingly.
- 139.7 If the Contractor fails to complete the Works within the Time for Completion, adjustment of prices there after shall be made using either (i) each index or price applicable on the date 49 days prior to the expiry of the Time for Completion of the Works, or (ii) the current index or price, whichever is more favorable to the Procuring Entity.
- 139.8 The weightings (coefficients) for each of the factors of cost stated in the table(s) of adjustment data shall only be adjusted if they have been rendered unreasonable, unbalanced or in applicable, as a result of Variations.

14 CONTRACT PRICE AND PAYMENT

141 The Contract Price

14.1.1 Unless otherwise stated in the Special Conditions:

- a) The value of the payment certificate shall be agreed or determined under Sub-Clause 12.3 [Evaluation] and be subject to adjustments in accordance with the Contract;
- b) the Contractor shall pay all taxes, duties and fees required to be paid by him under the Contract, and the Contract Price shall not be adjusted for any of these costs except as stated in Sub-Clause 13.7 [Adjustments for Changes in Legislation];

- c) The quantities set out in the Bill of Quantities or other Schedule are estimated quantities and are not to be taken as the actual and correct quantities:
 - i) of the Works which the Contractor is required to execute, or
 - ii) for the purposes of Clause 12 [Measurement and Evaluation]; and
- d) The Contractor shall submit to the Engineer, within 30 days after the Commencement Date, a proposed breakdown of each lump sum price in the Schedules. The Architect may consider the proposed breakdown when preparing Payment Certificates but shall not be bound by it.

14.1.2 Notwithstanding the provisions of subparagraph (b), Contractor's Equipment, including essential spare parts there for, imported by the Contractor for the sole purpose of executing the Contract shall not be exempt from the payment of import duties and taxes upon importation.

14.2 Advance Payment

14.2.1 The Procuring Entity shall make an advance payment, as an interest-free loan for mobilization and cash flow support, when the Contractor submits a guarantee in accordance with this Clause. The total advance payment, the number and timing of installments (if more than one), and the applicable currencies and proportions, shall be as stated in the **Special Conditions of Contract**.

14.2.2 Unless and until the Procuring Entity receives this guarantee, or if the total advance payment is not stated in the Special Conditions of Contract, this Sub-Clause shall not apply.

14.2.3 The Architect shall deliver to the Procuring Entity and to the Contractor an Interim Payment Certificate for the advance payment or its first installment after receiving a Statement (under Sub-Clause 14.3 [Application for Interim Payment Certificates]) and after the Procuring Entity receives (i) the Performance Security in accordance with Sub-Clause 4.2 [Performance Security] and (ii) a guarantee in amounts and currencies equal to the advance payment. This guarantee shall be issued by a reputable bank or financial institutions elected by the Contractor and shall be in the form annexed to the Special Conditions or in another form approved by the Procuring Entity.

14.2.4 The Contractor shall ensure that the guarantee is valid and enforceable until the advance payment has been repaid, but its amount shall be progressively reduced by the amount repaid by the Contractor as indicated in the Payment Certificates. If the terms of the guarantee specify its expiry date, and the advance payment has not been repaid by the date 30 days prior to the expiry date, the Contractor shall extend the validity of the guarantee until the advance payment has been repaid.

14.2.5 Unless stated otherwise in **the Special Conditions of Contract**, the advance payment shall be repaid through percentage deductions from the interim payments determined by the Architect in accordance with Sub-Clause 14.6 [Issue of Interim Payment Certificates], as follows:

- a) Deductions shall commence in the next interim Payment Certificate following that in which the total of all certified interim payments (excluding the advance payment and deductions and repayments of retention) exceeds 30 percent (30%) of the Accepted Contract Amount less Provisional Sums; and
- b) deductions shall be made at the amortization rate stated in the **Special Conditions of Contract** of the amount of each Interim Payment Certificate (excluding the advance payment and deductions for its repayments as well as deductions for retention money) in the currencies and proportions of the advance payment until such time as the advance payment has been repaid; provided that the advance payment shall be completely repaid prior to the time when 90 percent (90%) of the Accepted Contract Amount less Provisional Sums has been certified for payment.

14.2.6 If the advance payment has not been repaid prior to the issue of the Taking-Over Certificate for the Works or prior to termination under Clause 15 [Termination by Procuring Entity], Clause 16 [Suspension and Termination by Contractor] or Clause 19 [Force Majeure] (as the case may be), the whole of the balance then outstanding shall immediately become due and in case of termination under Clause 15 [Termination by Procuring Entity], except for Sub-Clause 14.2.7 [Procuring Entity's Entitlement to Termination for Convenience], payable by the Contractor to the Procuring Entity.

143 Application for Interim Payment Certificates

- 143.1 The Contractor shall submit a Statement (in number of copies indicated in the **Special Conditions of Contract**) to the Architect after the end of each month, in a form approved by the Engineer, showing in detail the amounts to which the Contractor considers itself to be entitled, together with supporting documents which shall include the report on the progress during this month in accordance with Sub-Clause 4.21 [Progress Reports].
- 143.2 The Statement shall include the following items, as applicable, which shall be expressed in the various currencies in which the Contract Price is payable, in the sequence listed:
- a) the estimated contract value of the Works executed and the Contractor's Documents produced up to the end of the month (including Variations but excluding items described in sub-paragraphs (b) to (g) below);
 - b) any amounts to be added and deducted for changes in legislation and changes in cost, in accordance with Sub-Clause 13.7 [Adjustments for Changes in Legislation] and Sub-Clause 13.8 [Adjustments for Changes in Cost];
 - c) any amount to be deducted for retention, calculated by applying the percentage of retention stated in **the Special Conditions of Contract** to the total of the above amounts, until the amount so retained by the Procuring Entity reaches the limit of Retention Money (if any) stated **in the Special Conditions of Contract**;
 - d) any amounts to be added for the advance payment and (if more than one installment) and to be deducted for its repayments in accordance with Sub-Clause 14.2 [Advance Payment];
 - e) any amounts to be added and deducted for Plant and Materials in accordance with Sub-Clause 14.5 [Plant and Materials intended for the Works];
 - f) any other additions or deductions which may have become due under the Contract otherwise, including those under Clause 20 [Claims, Disputes and Arbitration]; and
 - g) the deduction of amounts certified in all previous Payment Certificates.

144 Schedule of Payments

- 144.1 If the Contract includes a schedule of payments specifying the installments in which the Contract Price will be paid, then unless otherwise stated in this schedule:
- a) The installments quoted in this schedule of payments shall be the estimated contract values for the purposes of sub-paragraph (a) of Sub-Clause 14.3 [Application for Interim Payment Certificates];
 - b) Sub-Clause 14.5 [Plant and Materials intended for the Works] shall not apply; and
 - c) If these installments are not defined by reference to the actual progress achieved in executing the Works, and if actual progress is found to be less or more than that on which this schedule of payments was based, then the Architect may proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine revised installments, which shall take account of the extent to which progress is less or more than that on which the installments were previously based.
- 144.2 If the Contract does not include a schedule of payments, the Contractor shall submit non-binding estimates of the payments which he expects to become due during each quarterly period. The first estimate shall be submitted within 42 days after the Commencement Date. Revised estimates shall be submitted at quarterly intervals, until the Taking-Over Certificate has been issued for the Works.

145 Plant and Materials intended for the Works

- 145.1 If this Sub-Clause applies, Interim Payment Certificates shall include, under sub-paragraph (e) of Sub-Clause 14.3, (i) an amount for Plant and Materials which have been sent to the Site for incorporation in the Permanent Works, and (ii) a reduction when the contract value of such Plant and Materials is included as part of the Permanent Works under sub-paragraph (a) of Sub-Clause 14.3 [Application for Interim Payment Certificates].
- 145.2 If the lists referred to in sub-paragraphs (b)(i) or (c)(i) below are not included in the Schedules, this Sub-Clause shall not apply.

- 1453 The Architect shall determine and certify each addition if the following conditions are satisfied:
- a) The Contractor has:
 - i) kept satisfactory records (including the orders, receipts, Costs and use of Plant and Materials) which are available for inspection, and
 - (ii) submitted statement of the Cost of acquiring and delivering the Plant and Materials to the Site, supported by satisfactory evidence;and either:
 - b) the relevant Plant and Materials:
 - i) are those listed in the Schedules for payment when shipped,
 - ii) have been shipped to Kenya, enroute to the Site, in accordance with the Contract; and
 - iii) are described in a clean shipped bill of lading or other evidence of shipment, which has been submitted to the Architect together with evidence of payment of freight and insurance, any other documents reasonably required, and a bank guarantee in a form and issued by an entity approved by the Procuring Entity in amounts and currencies equal to the amount due under this Sub-Clause: this guarantee may be in a similar form to the form referred to in Sub-Clause 14.2 [Advance Payment] and shall be valid until the Plant and Materials are properly stored on Site and protected against loss, damage or deterioration; or
 - c) the relevant Plant and Materials:
 - i) are those listed in the Schedules for payment when delivered to the Site, and
 - ii) have been delivered to and are properly stored on the Site, are protected against loss, damage or deterioration and appear to be in accordance with the Contract.

1454 The additional amount to be certified shall be the equivalent of eighty percent (80%) of the Architect determination of the cost of the Plant and Materials (including delivery to Site), taking account of the documents mentioned in this Sub-Clause and of the contract value of the Plant and Materials.

1455 The currencies for this additional amount shall be the same as those in which payment will become due when the contract value is included under sub-paragraph (a) of Sub-Clause 14.3 [Application for Interim Payment Certificates]. At that time, the Payment Certificate shall include the applicable reduction which shall be equivalent to, and in the same currencies and proportions as, this additional amount for the relevant Plant and Materials.

146 Issue of Interim Payment Certificates

146.1 No amount will be certified or paid until the Procuring Entity has received and approved the Performance Security. Thereafter, the Architect shall, within 30 days after receiving a Statement and supporting documents, deliver to the Procuring Entity and to the Contractor an Interim Payment Certificate which shall state the amount which the Architect fairly determines to be due, with all supporting particulars for any reduction or withholding made by the Architect on the Statement if any.

146.2 However, prior to issuing the Taking-Over Certificate for the Works, the Architect shall not be bound to issue an Interim Payment Certificate in an amount which would (after retention and other deductions) be less than the minimum amount of Interim Payment Certificates (if any) stated **in the Special Conditions of Contract**. In this event, the Architect shall give notice to the Contractor accordingly.

146.3 An Interim Payment Certificate shall not be withheld for any other reason, although:

- a) if anything supplied or work done by the Contractor is not in accordance with the Contract, the cost of rectification or replacement may be withheld until rectification or replacement has been completed; and/or
- b) if the Contractor was or is failing to perform any work or obligation in accordance with the Contract, and had been so notified by the Engineer, the value of this work or obligation may be withheld until the work or obligation has been performed.

4.6.4 The Architect may in any Payment Certificate make any correction or modification that should properly be made to any previous Payment Certificate. A Payment Certificate shall not be deemed to indicate the Architect acceptance, approval, consent or satisfaction.

147 Payment

- 147.1 The Procuring Entity shall pay to the Contractor:
- a) The advance payment shall be paid within 60 days after signing of the contract by both parties or within 60 days after receiving the documents in accordance with Sub-Clause 4.2 [Performance Security] and Sub-Clause 14.2 [Advance Payment], whichever is later;
 - b) The amount certified in each Interim Payment Certificate within 60 days after the Architect Issues Interim Payment Certificate; and
 - c) the amount certified in the Final Payment Certificate within 60 days after the Procuring Entity Issues Interim Payment Certificate; or after determination of any disputed amount shown in the Final Statement in accordance with Sub-Clause 16.2 [Termination by Contractor].
- 147.2 Payment of the amount due in each currency shall be made into the bank account, nominated by the Contractor, in the payment country (forth is currency) specified in the Contract.

148 Delayed Payment

- 148.1 If the Contractor does not receive payment in accordance with Sub-Clause 14.7 [Payment], the Contractor shall be entitled to receive financing charges (simple interest) monthly on the amount unpaid during the period of delay. This period shall be deemed to commence on the date for payment specified in Sub-Clause 14.7 [Payment], irrespective (in the case of its sub-paragraph (b) of the date on which any Interim Payment Certificate is issued.
- 148.2 These financing charges shall be calculated at the annual rate of three percentage points above the mean rate of the Central Bank in Kenya of the currency of payment, or if not available, the inter bank offered rate, and shall be paid in such currency.
- 148.3 The Contractor shall be entitled to this payment without formal notice and certification, and without prejudice to any other right or remedy.

149 Payment of Retention Money

- 149.1 When the Taking-Over Certificate has been issued for the Works, the first half of the Retention Money shall be certified by the Architect for payment to the Contractor. If a Taking-Over Certificate is issued for a Section or part of the Works, a proportion of the Retention Money shall be certified and paid. This proportion shall be half (50%) of the proportion calculated by dividing the estimated contract value of the Section or part, by the estimated final Contract Price.
- 149.2 Promptly after the latest of the expiry dates of the Defects Liability Periods, the outstanding balance of the Retention Money shall be certified by the Architect for payment to the Contractor. If a Taking-Over Certificate was issued for a Section, a proportion of the second half of the Retention Money shall be certified and paid promptly after the expiry date of the Defects Notification Period for the Section. This proportion shall be half (50%) of the proportion calculated by dividing the estimated contract value of the Section by the estimated final Contract Price.
- 149.3 However, if any work remains to be executed under Clause 11 [Defects Liability], the Architects shall be entitled to withhold certification of the estimated cost of this work until it has been executed.
- 149.4 When calculating these proportions, no account shall be taken of any adjustments under Sub-Clause 13.7 [Adjustments for Changes in Legislation] and Sub-Clause 13.8 [Adjustments for Changes in Cost].
- 149.5 Unless otherwise stated in the Special Conditions, when the Taking-Over Certificate has been issued for the Works and the first half of the Retention Money has been certified for payment by the Engineer, the Contractor shall be entitled to substitute a Retention Money Security guarantee, in the form annexed to the Special Conditions or in another form approved by the Procuring Entity and issued by a reputable bank or financial institution selected by the Contractor, for the second half of the Retention Money.

14.9.6 The Procuring Entity shall return the Retention Money Security guarantee to the Contractor within 14 days after receiving a copy of the Completion Certificate.

14.10 Statement at Completion

14.10.1 Within 84 days after receiving the Taking-Over Certificate for the Works, the Contractor shall submit to the Architect three copies of a Statement at completion with supporting documents, in accordance with Sub-Clause 14.3 [Application for Interim Payment Certificates], showing:

- a) the value of all work done in accordance with the Contract up to the date stated in the Taking-Over Certificate for the Works,
- b) any further sums which the Contractor considers to be due, and
- c) an estimate of any other amounts which the Contractor considers will become due to him under the Contract. Estimated amounts shall be shown separately in this Statement at completion.

14.10.2 The Architect shall then certify in accordance with Sub-Clause 14.6 [Issue of Interim Payment Certificates].

14.11 Application for Final Payment Certificate

14.11.1 Within 60 days after receiving the Completion Certificate, the Contractor shall submit, to the Engineer, six copies of a draft final statement with supporting documents showing in detail in a form approved by the Engineer:

- a) The value of all work done in accordance with the Contract, and
- b) Any further sums which the Contractor considers to be due to him under the Contract otherwise.

14.11.2 If the Architect disagrees with or cannot verify any part of the draft final statement, the Contractor shall submit such further information as the Architect may reasonably require within 30 days from receipt of said draft and shall make such changes in the draft as may be agreed between them. The Contractor shall then prepare and submit to the Architect the final statement as agreed. This agreed statement is referred to in these Conditions as the "Final Statement".

14.11.3 However, if, following discussions between the Architect and the Contractor and any changes to the draft final statement which are agreed, it becomes evident that a dispute exists, the Architect shall deliver to the Procuring Entity (with a copy to the Contractor) an Interim Payment Certificate for the agreed parts of the draft final statement. Thereafter, if the dispute is finally resolved under Sub-Clause 20.4 [Obtaining Dispute Board's Decision] or Sub-Clause 20.5 [Amicable Settlement], the Contractor shall then prepare and submit to the Procuring Entity (with a copy to the Engineer) a Final Statement.

14.12 Discharge

When submitting the Final Statement, the Contractor shall submit a discharge which confirms that the total of the Final Statement represents full and final settlement of all moneys due to the Contractor under or in connection with the Contract. This discharge may state that it becomes effective when the Contractor has received the Performance Security and the out standing balance of this total, in which event the discharge shall be effective on such date.

14.13 Issue of Final Payment Certificate

14.13.1 Within 30 days after receiving the Final Statement and discharge in accordance with Sub-Clause 14.11 [Application for Final Payment Certificate] and Sub-Clause 14.12 [Discharge], the Architect shall deliver to the Procuring Entity and to the Contractor, the Final Payment Certificate which shall state:

- a) The amount which he fairly determines is finally due, and
- b) After giving credit to the Procuring Entity for all amounts previously paid by the Procuring Entity and for all sums to which the Procuring Entity is entitled, the balance (if any) due from the Procuring Entity to the Contractor or from the Contractor to the Procuring Entity, as the case may be.

14.132 If the Contractor has not applied for a Final Payment Certificate in accordance with Sub-Clause 14.11 [Application for Final Payment Certificate] and Sub-Clause 14.12 [Discharge], the Architect shall request the Contractor to do so. If the Contractor fails to submit an application within a period of 30 days, the Architect shall issue the Final Payment Certificate for such amount as he fairly determines to be due.

14.14 Cessation of Procuring Entity's Liability

14.141 The Procuring Entity shall not be liable to the Contractor for any matter or thing under or in connection with the Contract or execution of the Works, except to the extent that the Contractor shall have included an amount expressly for it:

- a) in the Final Statement and also,
- b) (except for matters or things arising after the issue of the Taking-Over Certificate for the Works) in the Statement at completion described in Sub-Clause 14.10 [Statement at Completion].

14.142 However, this Sub-Clause shall not limit the Procuring Entity's liability under his in demnification obligations, or the Procuring Entity's liability in any case of fraud, deliberate default or reckless misconduct by the Procuring Entity.

14.15 Currencies of Payment

The Contract Price shall be paid in the currency or currencies named in the Schedule of Payment Currencies. If more than one currency is so named, payments shall be made as follows:

- a) If the Accepted Contract Amount was expressed in Local Currency only:
 - i) the proportions or amounts of the Local and Foreign Currencies, and the fixed rates of exchange to be used for calculating the payments, shall be as stated in the Schedule of Payment Currencies, except as otherwise agreed by both Parties;
 - ii) payments and deductions under Sub-Clause 13.5 [Provisional Sums] and Sub-Clause 13.7 [Adjustments for Changes in Legislation] shall be made in the applicable currencies and proportions; and
 - iii) other payments and deductions under sub-paragraphs (a) to (d) of Sub-Clause 14.3 [Application for Interim Payment Certificates] shall be made in the currencies and proportions specified in sub-paragraph (a) (i) above;
- b) payment of the damages specified in the Special Conditions of Contract, shall be made in the currencies and proportions specified in the Schedule of Payment Currencies;
- c) other payments to the Procuring Entity by the Contractor shall be made in the currency in which the sum was expended by the Procuring Entity, or in such currency as may be agreed by both Parties;
- d) if any amount payable by the Contractor to the Procuring Entity in a particular currency exceeds the sum payable by the Procuring Entity to the Contractor in that currency, the Procuring Entity may recover the balance of this amount from the sums otherwise payable to the Contractor in other currencies; and
- e) if no rates of exchange are stated in the Schedule of Payment Currencies, they shall be those prevailing on the Base Date and determined by the Central Bank of Kenya.

15 TERMINATION BY PROCURING ENTITY

15.1 Notice to correct any defects or failures.

If the Contractor fails to carry out any obligation under the Contract, the Architect may by notice require the Contractor to make good the failure and to remedy it within 30 days.

15.2 Termination by Procuring Entity

15.2.1 The Procuring Entity shall be entitled to terminate the Contract if the Contractor breaches the contract based on following circumstances which shall include but not limited to:

- a) fails to comply with Sub-Clause 4.2 [Performance Security] or with a notice under Sub-Clause 15.1 [Notice to Correct],

- b) abandons the Works or otherwise plainly demonstrates the intention not to continue performance of his obligations under the Contract,
- c) without reasonable excuse fails:
 - i) to proceed with the Works in accordance with Clause 8 [Commencement, Delays and Suspension], or
 - ii) to comply with a notice issued under Sub-Clause 7.5 [Rejection] or Sub-Clause 7.6 [Remedial Work], within 30 days after receiving it,
- d) subcontracts the major part or whole of the Works or assigns the Contract without the consent of the Procuring Entity,
- e) becomes bankrupt or insolvent, goes into liquidation, has a receiving or administration order made against him, compounds with his creditors, or carries on business under a receiver, trustee, or manager for the benefit of his creditors, or if any act is done or event occurs which (under applicable Laws) has a similar effect to any of these acts or events, or
- f) gives or offers to give (directly or indirectly) to any person any bribe, gift, gratuity, commission, or other thing of value, as an induce mentor reward:
 - i) for doing or for bearing to do any action in relation to the Contract, or
 - ii) for showing or for bearing to show favor or disfavor to any person in relation to the Contract, or
 - iii) if any of the Contractor's Personnel, agents or Subcontractors gives or offers to give (directly or indirectly) to any person any such induce mentor reward as is described in this sub-paragraph (f). However, lawful inducements and rewards to Contractor's Personnel shall not entitle termination, or
- g) If the contract or repeatedly fails to remedy delivers defective work,
- h) based on reasonable evidence, has engaged in Fraud and Corruption as defined in paragraph 2.2 of the Appendix B to these General Conditions, in competing for or in executing the Contract.

1522 In any of these events or circumstances, the Procuring Entity may, upon giving 14 days' notice to the Contractor, terminate the Contract and expel the Contractor from the Site. However, in the case of sub-paragraph (e) or (f) or (g) or (h), the Procuring Entity may by notice terminate the Contract immediately.

1523 The Procuring Entity's election to terminate the Contract shall not prejudice any other rights of the Procuring Entity, under the Contractor otherwise.

1524 The Contractor shall then leave the Site and deliver any required Goods, all Contractor's Documents, and other design documents made by or for him, to the Engineer. However, the Contractor shall use his best efforts to comply immediately with any reasonable instructions included in the notice (i) for the assignment of any subcontract, and (ii) for the protection of life or property or for the safety of the Works.

1525 After termination, the Procuring Entity may complete the Works and/ or arrange for any other entities to do so. The Procuring Entity and these entities may then use any Goods, Contractor's Documents and other design documents made by or on behalf of the Contractor.

1526 The Procuring Entity shall then give notice that the Contractor's Equipment and Temporary Works will be released to the Contractor at or near the Site. The Contractor shall promptly arrange their removal, at the risk and cost of the Contractor. However, if by this time the Contractor has failed to make a payment due to the Procuring Entity, these items may be sold by the Procuring Entity in order to recover this payment. Any balance of the proceeds shall then be paid to the Contractor.

153 Valuation at Date of Termination

As soon as practicable after a notice of termination under Sub-Clause 15.2 [Termination by Procuring Entity] has taken effect, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine the value of the Works, Goods and Contractor's Documents, and any other sums due to the Contractor for work executed in accordance with the Contract.

154 Payment after Termination

After a notice of termination under Sub-Clause 15.2 [Termination by Procuring Entity] has taken effect, the Procuring Entity may:

- a) Proceed in accordance with Sub-Clause 2.5 [Procuring Entity's Claims],
- b) withhold further payments to the Contractor until the costs of execution, completion and remedying of any defects, damages for delay in completion (if any), and all other costs incurred by the Procuring Entity, have been established, and/ or
- c) recover from the Contractor any losses and damages incurred by the Procuring Entity and any extra costs of completing the Works, after allowing for any sum due to the Contractor under Sub-Clause 15.3 [Valuation at Date of Termination]. After recovering any such losses, damages and extra costs, the Procuring Entity shall pay any balance to the Contractor.

155 Procuring Entity's Entitlement to Termination for Convenience

The Procuring Entity shall be entitled to terminate the Contract, at any time at the Procuring Entity's convenience, by giving notice of such termination to the Contractor. The termination shall take effect 30 days after the later of the dates on which the Contractor receives this notice or the Procuring Entity returns the Performance Security. The Procuring Entity shall not terminate the Contract under this Sub-Clause in order to execute the Works itself or to arrange for the Works to be executed by another contractor or to avoid a termination of the Contract by the Contractor under Clause 16.2 [Termination by Contractor]. After this termination, the Contractor shall proceed in accordance with Sub-Clause 16.3 [Cessation of Work and Removal of Contractor's Equipment] and shall be paid in accordance with Sub-Clause 16.4 [Payment on Termination].

156 Fraud and Corruption

The Contractor shall ensure compliance with the Kenya Government's Anti-Corruption Laws and its prevailing sanctions.

157 Corrupt gifts and payments of commission

157.1 The Contractor shall not;

- a) Offer or give or agree to give to any person in the service of the Procuring Entity any gift or consideration of any kind as an inducement or reward for doing or for bearing to door for having done or for borne to do any act in relation to the obtaining or execution of this or any other Contract for the Procuring Entity or for showing or for bearing to show favor or disfavor to any person in relation to this or any other contract for the Procuring Entity.
- b) Enter into this or any other contract with the Procuring Entity in connection with which commission has been paid or agreed to be paid by him or on his behalf or to his knowledge, unless before the Contract is made particulars of any such commission and of the terms and conditions of any agreement for the payment thereof have been disclosed in writing to the Procuring Entity.

157.2 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 and Asset Disposal Act (2015) and the Anti-Corruption and Economic Crimes Act (2003) of the Laws of Kenya.

16 SUSPENSION AND TERMINATION BY CONTRACTOR

16.1 Contractor's Entitlement to Suspend Work

16.1.1 If the Architect fails to certify in accordance with Sub-Clause 14.6 [Issue of Interim Payment Certificates] or Sub-Clause 14.7 [Payment], or not receiving instructions that would enable the contractor to proceed with the works in accordance with the program, the Contractor may, after giving not less than 30 days' notice to the Procuring Entity, suspend work (or reduce the rate of work) unless and until the Contractor has received the Payment Certificate, reasonable evidence or payment, as the case may be and as described in the notice.

- 16.1.2 The Contractor's action shall not prejudice his entitlements to financing charges under Sub-Clause 14.8 [Delayed Payment] and to termination under Sub-Clause 16.2 [Termination by Contractor].
- 16.1.3 If the Contractor subsequently receives such Payment Certificate, evidence or payment (as described in the relevant Sub-Clause and in the above notice) before giving a notice of termination, the Contractor shall resume normal working as soon as is reasonably practicable.
- 16.1.4 If the Contractor suffers delay and/or incurs Cost as a result of suspending work (or reducing the rate of work) in accordance with this Sub-Clause, the Contractor shall give notice to the Architect and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to:
- a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and
 - b) payment of any such Cost-plus profit, which shall be included in the Contract Price.
- 16.2** After receiving this notice, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.

16.3 Termination by Contractor

- 16.3.1 The Contractor shall be entitled to terminate the Contract if:
- a) the Architect fails, within 60 days after receiving a Statement and supporting documents, to issue the relevant Payment Certificate,
 - b) the Contractor does not receive the amount due under an Interim Payment Certificate within 90 days after the expiry of the time stated in Sub-Clause 4.7 [Payment] within which payment is to be made (except for deductions in accordance with Sub-Clause 2.5 [Procuring Entity's Claims]),
 - c) the Procuring Entity substantially fails to perform his obligations under the Contract in such manner as to materially and adversely affect the economic balance of the Contract and/or the ability of the Contractor to perform the Contract,
 - d) a prolonged suspension affects the whole of the Works as described in Sub-Clause 8.11 [Prolonged Suspension], or
 - e) the Procuring Entity becomes bankrupt or insolvent, goes into liquidation, has a receiving or administration order made against him, compounds with his creditors, or carries on business under a receiver, trustee or manager for the benefit of his creditors, or if any act is done or event occurs which (under applicable Laws) has a similar effect to any of these acts or events.
 - f) the Contractor does not receive the Architect instruction recording the agreement of both Parties on the fulfillment of the conditions for the Commencement of Works under Sub-Clause 8.1 [Commencement of Works].
- 16.3.2 In any of these events or circumstances, the Contractor may, upon giving 14 days' notice to the Procuring Entity, terminate the Contract. However, in the case of sub-paragraph (f), the Contractor may by notice terminate the Contract immediately.
- 16.3.3 The Contractor's election to terminate the Contract shall not prejudice any other rights of the Contractor, under the Contract otherwise.

16.4 Cessation of Work and Removal of Contractor's Equipment

After a notice of termination under Sub-Clause 15.5 [Procuring Entity's Entitlement to Termination for Convenience], Sub-Clause 16.2 [Termination by Contractor] or Sub-Clause 19.6 [Optional Termination, Payment and Release] has taken effect, the Contractor shall promptly:

- a) cease all further work, except for such work as may have been instructed by the Architect for the protection of life or property or for the safety of the Works,
- b) hand over Contractor's Documents, Plant, Materials, and other work, for which the Contractor has received payment, and
- c) remove all other Goods from the Site, except as necessary for safety, and leave the Site.

165 Payment on Termination

After a notice of termination under Sub-Clause 16.2 [Termination by Contractor] has taken effect, the Procuring Entity shall promptly:

- a) Return the Performance Security to the Contractor,
- b) pay the Contractor in accordance with Sub-Clause 19.6 [Optional Termination, Payment and Release], and
- c) pay to the Contractor the amount of any loss or damage sustained by the Contractor as a result of this termination.

17. RISK AND RESPONSIBILITY

17.1 Indemnities

17.1.1 The Contractor shall indemnify and hold harmless the Procuring Entity, the Procuring Entity's Personnel, and their respective agents, against and from all claims, damages, losses, and expenses (including legal fees and expenses) in respect of:

- a) Bodily injury, sickness, disease, or death, of any person whatsoever arising out of or in the course of or by reason of the Contractor's design (if any), the execution and completion of the Works and the remedying of any defects, unless attributable to any negligence, willful actor breach of the Contract by the Procuring Entity, the Procuring Entity's Personnel, or any of their respective agents, and
- b) damage to or loss of any property, real or personal (other than the Works), to the extent that such damage or loss arises out of or in the course of or by reason of the Contractor's design (if any), the execution and completion of the Works and the remedying of any defects, unless and to the extent that any such damage or loss is attributable to any negligence, willful act or breach of the Contract by the Procuring Entity, the Procuring Entity's Personnel, their respective agents, or anyone directly or indirectly employed by any of them.

17.1.2 The Procuring Entity shall indemnify and hold harmless the Contractor, the Contractor's Personnel, and their respective agents, against and from all claims, damages, losses and expenses (including legal fees and expenses) in respect of (1) bodily injury, sickness, disease or death, which is attributable to any negligence, willful act or breach of the Contract by the Procuring Entity, the Procuring Entity's Personnel, or any of their respective agents, and (2) the matters for which liability may be excluded from insurance cover, as described in sub-paragraphs (d)(i), (ii) and (iii) of Sub-Clause 18.3 [Insurance Against Injury to Persons and Damage to Property], unless and to the extent that any such damage or loss is attributable to any negligence, willful actor breach of the Contract by the contractor, the contractor's Personnel, their respective agents, or anyone directly or indirectly employed by any of them.

17.2 Contractor's Care of the Works

17.2.1 The Contractor shall take full responsibility for the care of the Works and Goods from the Commencement Date until the Taking-Over Certificate is issued (or is deemed to be issued under Sub-Clause 10.1 [Taking Over of the Works and Sections]) for the Works, when responsibility for the care of the Works shall pass to the Procuring Entity. If a Taking-Over Certificate is issued (or is so deemed to be issued) for any Section or part of the Works, responsibility for the care of the Section or part shall then pass to the Procuring Entity.

17.2.2 After responsibility has accordingly passed to the Procuring Entity, the Contractor shall take responsibility for the care of any work which is outstanding on the date stated in a Taking-Over Certificate, until this outstanding work has been completed.

17.2.3 If any loss or damage happens to the Works, Goods or Contractor's Documents during the period when the Contractor is responsible for their care, from any cause not listed in Sub-Clause 17.3 [Procuring Entity's Risks], the Contractor shall rectify the loss or damage at the Contractor's risk and cost, so that the Works, Goods and Contractor's Documents conform with the Contract.

17.2.4 The Contractor shall be liable for any loss or damage caused by any actions performed by the Contractor after a Taking-Over Certificate has been issued. The Contractor shall also be liable for any loss or damage which occurs after a Taking-Over Certificate has been issued and which arose from a previous event for which the Contractor was liable.

173 Procuring Entity's Risks

The risks referred to in Sub-Clause 17.4 [Consequences of Procuring Entity's Risks] below, in so far as they directly affect the execution of the Works in Kenya, are:

- a) War hostilities (whether war be declared or not),
- b) rebellion, riot, commotion or disorder, terrorism, sabotage by persons other than the Contractor's Personnel,
- c) explosive materials, ionizing gradiation or contamination by radioactivity, except as may be attributable to the Contractor's use of such explosives, radiation or radio-activity,
- d) pressure waves caused by aircraft or other aerial devices traveling at sonic or supersonic speeds,
- e) use or occupation by the Procuring Entity of any part of the Permanent Works, except as may be specified in the Contract,
- f) design of any part of the Works by the Procuring Entity's Personnel or by others for whom the Procuring Entity is responsible, and
- g) any operation of the forces of nature which is Unforeseeable or against which an experienced contractor could not reasonably have been expected to have taken adequate preventive precautions.

174 Consequences of Procuring Entity's Risks

- 174.1 If and to the extent that any of the risks listed in Sub-Clause 17.3 above results in loss or damage to the Works, Goods or Contractor's Documents, the Contractor shall promptly give notice to the Architect and shall rectify this loss or damage to the extent required by the Engineer.
- 174.2 If the Contractor suffers delay and/ or incurs Cost from rectifying this loss or damage, the Contractor shall give a further notice to the Architect and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to:
- (a) An extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and
 - (b) Payment of any such Cost, which shall be included in the Contract Price. In the case of sub-paragraphs (e) and (g) of Sub-Clause 17.3 [Procuring Entity's Risks], Accrued Costs shall be payable.
- 174.3 After receiving this further notice, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.

175 Intellectual and Industrial Property Rights

- 175.1 In this Sub-Clause, "infringement" shall refer to an infringement (or alleged infringement) of any patent, registered design, copyright, trademark, trade name, trade secret or other intellectual or industrial property right relating to the Works; and "claim" shall refer to a claim (or proceedings pursuing a claim) alleging an infringement.
- 175.2 Whenever a Party does not give notice to the other Party of any claim within 30 days of receiving the claim, the first Party shall be deemed to have waived any right to indemnity under this Sub-Clause.
- 175.3 The Procuring Entity shall indemnify and hold the Contractor harmless against and from any claim alleging an infringement which is or was:
- a) An unavoidable result of the Contractor's compliance with the Contract, or
 - b) A result of any Works being used by the Procuring Entity:
 - i) for a purpose other than that indicated by, or reasonably to be inferred from, the Contract, or
 - ii) in conjunction with anything not supplied by the Contractor, unless such use was disclosed to the Contractor prior to the Base Date or is stated in the Contract.
- 175.4 The Contractor shall indemnify and hold the Procuring Entity harmless against and from any other claim which arises out of or in relation to (i) the manufacture, use, sale or import of any Goods, or (ii) any design for which the Contractor is responsible.

1755 If a Party is entitled to be indemnified under this Sub-Clause, the indemnifying Party may (at its cost) conduct negotiations for the settlement of the claim, and any litigation or arbitration which may arise from it. The other Party shall, at the request and cost of the indemnifying Party, assist in contesting the claim. This other Party (and its Personnel) shall not make any admission which might be prejudicial to the indemnifying Party, unless the indemnifying Party failed to take over the conduct of any negotiations, litigation or arbitration upon being requested to do so by such other Party.

1756 For operation and maintenance of any plant or equipment installed, the contractor shall grant a non-exclusive and non-transferable license to the Procuring Entity under the patent, utility models, or other intellectual rights owned by the contractor or a third party from whom the contractor has received the rights to grant sub-licenses and shall also grant to the Procuring Entity a non-exclusive and non-transferable right (without the right to sub-license) to use the know-how and other technical information disclosed to the contractor or under the contract. Nothing contained here-in shall be construed as transferring ownership of any patent, utility model, trademark, design, copy right, know-how or other intellectual rights from the contractor or any other third party to the Procuring Entity.

17.6 Limitation of Liability

17.6.1 Neither Party shall be liable to the other Party for loss of use of any Works, loss of profit, loss of any contractor for any consequential loss or damage which may be suffered by the other Party in connection with the Contract, other than as specifically provided in Sub-Clause 8.7 [Delay Damages]; Sub-Clause 11.2 [Cost of Remedying Defects]; Sub-Clause 15.4 [Payment after Termination]; Sub-Clause 16.4 [Payment on Termination]; Sub-Clause 17.1 [Indemnities]; Sub-Clause 17.4(b) [Consequences of Procuring Entity's Risks] and Sub-Clause 17.5 [Intellectual and Industrial Property Rights].

17.6.2 The total liability of the Contractor to the Procuring Entity, under or in connection with the Contract other than under Sub-Clause 4.19 [Electricity, Water and Gas], Sub-Clause 4.20 [Procuring Entity's Equipment and Free-Issue Materials], Sub-Clause 17.1 [Indemnities] and Sub-Clause 17.5 [Intellectual and Industrial Property Rights], shall not exceed the sum resulting from the application of a multiplier (less or greater than one) to the Accepted Contract Amount, as stated in **the Special Conditions of Contract**, or (if such multiplier or other sum is not so stated) the Accepted Contract Amount.

17.6.3 This Sub-Clause shall not limit liability in any case of fraud, deliberate default or reckless misconduct by the defaulting Party.

17.7 Use of Procuring Entity's Accommodation/Facilities

17.7.1 The Contractor shall take full responsibility for the care of the Procuring Entity provided accommodation and facilities, if any, as detailed in the Specification, from the respective dates of hand-over to the Contractor until cessation of occupation (where hand-over or cessation of occupation may take place after the date stated in the Taking-Over Certificate for the Works).

17.7.2 If any loss or damage happens to any of the above items while the Contractor is responsible for their care arising from any cause whatsoever other than those for which the Procuring Entity is liable, the Contractor shall, at his own cost, rectify the loss or damage to the satisfaction of the Engineer.

18 INSURANCE

18.1 General Requirements for Insurances

18.1.1 In this Clause, "insuring Party" means, for each type of insurance, the Party responsible for effecting and maintaining the insurance specified in the relevant Sub-Clause.

18.1.2 Wherever the Contractor is the insuring Party, each insurance shall be effected with insurers and in terms approved by the Procuring Entity. These terms shall be consistent with any terms agreed by both Parties before the date of the Letter of Acceptance. This agreement of terms shall take precedence over the provisions of this Clause.

- 18.1.3 Wherever the Procuring Entity is the insuring Party, each insurance shall be effected with insurers and in terms acceptable to the Contractor. These terms shall be consistent with any terms agreed by both Parties before the date of the Letter of Acceptance. This agreement of terms shall take precedence over the provisions of this Clause.
- 18.1.4 If a policy is required to indemnify joint insured, the cover shall apply separately to each insured as though a separate policy had been issued for each of the joint insured. If a policy indemnifies additional joint insured, namely in addition to the insured specified in this Clause, (i) the Contractor shall act under the policy on behalf of these additional joint insured except that the Procuring Entity shall act for Procuring Entity's Personnel, (ii) additional joint insured shall not be entitled to receive payments directly from the insurer or to have any other direct dealings with the insurer, and (iii) the insuring Party shall require all additional joint insured to comply with the conditions stipulated in the policy.
- 18.1.5 Each policy insuring against loss or damage shall provide for payments to be made in the currencies required to rectify the loss or damage. Payments received from insurers shall be used for the rectification of the loss or damage.
- 18.1.6 The relevant insuring Party shall, within the respective periods stated in **the Special Conditions of Contract** (calculated from the Commencement Date), submit to the other Party:
- a) Evidence that the insurances described in this Clause have been effected, and
 - b) copies of the policies for the insurances described in Sub-Clause 18.2 [Insurance for Works and Contractor's Equipment] and Sub-Clause 18.3 [Insurance against Injury to Persons and Damage to Property].
- 18.1.7 When each premium is paid, the insuring Party shall submit evidence of payment to the other Party. Whenever evidence or policies are submitted, the insuring Party shall also give notice to the Engineer.
- 18.1.8 Each Party shall comply with the conditions stipulated in each of the insurance policies. The insuring Party shall keep the insurers informed of any relevant changes to the execution of the Works and ensure that insurance is maintained in accordance with this Clause.
- 18.1.9 Neither Party shall make any material alteration to the terms of any insurance without the prior approval of the other Party. If an insurer makes (or attempts to make) any alteration, the Party first notified by the insurer shall promptly give notice to the other Party.
- 18.1.10 If the insuring Party fails to effect and keep in force any of the insurances it is required to effect and maintain under the Contract or fails to provide satisfactory evidence and copies of policies in accordance with this Sub-Clause, the other Party may (at its option and without prejudice to any other right or remedy) effect insurance for the relevant coverage and pay the premiums due. The insuring Party shall pay the amount of these premiums to the other Party, and the Contract Price shall be adjusted accordingly.
- 18.1.11 Nothing in this Clause limits the obligations, liabilities or responsibilities of the Contractor or the Procuring Entity, under the other terms of the Contract otherwise. Any amounts not insured or not recovered from the insurers shall be borne by the Contractor and/or the Procuring Entity.
- 18.1.12 Procuring Entity in accordance with these obligations, liabilities or responsibilities. However, if the insuring Party fails to effect and keep in force an insurance which is available and which it is required to effect and maintain under the Contract, and the other Party neither approves the omission nor effects insurance for the coverage relevant to this default, any moneys which should have been recoverable under this insurance shall be paid by the insuring Party.
- 18.1.13 Payments by one Party to the other Party shall be subject to Sub-Clause 2.5 [Procuring Entity's Claims] or Sub-Clause 20.1 [Contractor's Claims], as applicable.
- 18.1.14 The Contractor shall be entitled to place all insurance relating to the Contract (including, but not limited to the insurance referred to Clause 18) with insurers from any eligible source country.

182 Insurance for Works and Contractor's Equipment

- 182.1 The insuring Party shall insure the Works, Plant, Material and Contractor's Documents for not less than the full reinstatement cost including the costs of demolition, removal of debris and professional fees and profit. This insurance shall be effective from the date by which the evidence is to be submitted under sub-paragraph (a) of Sub-Clause 18.1 [General Requirements for Insurances], until the date of issue of the Taking-Over Certificate for the Works.
- 182.2 The insuring Party shall maintain this insurance to provide cover until the date of issue of the Performance Certificate, for loss or damage for which the Contractor is liable arising from a cause occurring prior to the issue of the Taking-Over Certificate, and for loss or damage caused by the Contractor in the course of any other operations (including those under Clause 11 [Defects Liability]).
- 182.3 The insuring Party shall insure the Contractor's Equipment for not less than the full replacement value, including delivery to Site. For each item of Contractor's Equipment, the insurance shall be effective while it is being transported to the Site and until it is no longer required as Contractor's Equipment.
- 182.4 Unless otherwise stated in the Special Conditions, insurances under this Sub-Clause:
- a) Shall be effected and maintained by the Contractor as insuring Party,
 - b) shall be in the joint names of the Parties, who shall be jointly entitled to receive payments from the insurers, payments being held or allocated to the Party actually bearing the costs of rectifying the loss or damage,
 - c) shall cover all loss and damage from any cause not listed in Sub-Clause 17.3 [Procuring Entity's Risks],
 - d) shall also cover, to the extent specifically required in the tendering documents of the Contract, loss or damage to a part of the Works which is attributable to the use or occupation by the Procuring Entity of another part of the Works, and loss or damage from the risks listed in sub-paragraphs (c), (g) and (h) of Sub-Clause 17.3 [Procuring Entity's Risks], excluding (in each case) risks which are not insurable at commercially reasonable terms, with deductibles per occurrence of not more than the amount stated **in the Special Conditions** of Contract (if an amount is not so stated, this sub-paragraph (d) shall not apply), and
 - e) may however exclude loss of, damage to, and reinstatement of:
 - i) a part of the Works which is in a defective condition due to a defect in its design, materials or workmanship (but cover shall include any other parts which are lost or damaged as a direct result of this defective condition and not as described in sub-paragraph (ii) below),
 - ii) a part of the Works which is lost or damaged in order to reinstate any other part of the Works if this other part is in a defective condition due to a defect in its design, materials or workmanship,
 - iii) a part of the Works which has been taken over by the Procuring Entity, except to the extent that the Contractor is liable for the loss or damage, and
 - iv) Goods while they are not in Kenya, subject to Sub-Clause 14.5 [Plant and Materials intended for the Works].
- 182.5 If, more than one year after the Base Date, the cover described in sub-paragraph (d) above ceases to be available at commercially reasonable terms, the Contractor shall (as insuring Party) give notice to the Procuring Entity, with supporting particulars. The Procuring Entity shall then (i) be entitled subject to Sub-Clause 2.5 [Procuring Entity's Claims] to payment of an amount equivalent to such commercially reasonable terms as the Contractor should have expected to have paid for such cover, and (ii) be deemed, unless he obtains the cover at commercially reasonable terms, to have approved the omission under Sub-Clause 18.1 [General Requirements for Insurances].

183 Insurance against Injury to Persons and Damage to Property

- 183.1 The insuring Party shall insure against each Party's liability for any loss, damage, death or bodily injury which may occur to any physical property (except things insured under Sub-Clause 18.2 [Insurance for Works and Contractor's Equipment]) or to any person (except persons insured under Sub-Clause 18.4 [Insurance for Contractor's Personnel]), which may arise out of the Contractor's performance of the Contract and occurring before the issue of the Performance Certificate.

- 1832 This insurance shall be for a limit per occurrence of not less than the amount stated in **the Special Conditions of Contract**, with no limit on the number of occurrences. If an amount is not stated in the **Special Conditions of Contract**, this Sub-Clause shall not apply.
- 1833 Unless otherwise stated in the Special Conditions, the insurances specified in this Sub-Clause:
- a) Shall be effected and maintained by the Contractor as insuring Party,
 - b) shall be in the joint names of the Parties,
 - c) shall be extended to cover liability for all loss and damage to the Procuring Entity's property (except things insured under Sub-Clause 18.2) arising out of the Contractor's performance of the Contract, and
 - d) may however exclude liability to the extent that it arises from:
 - i) the Procuring Entity's right to have the Permanent Works executed on, over, under, in or
 - ii) through any land, and to occupy this land for the Permanent Works,
 - iii) damage which is an unavoidable result of the Contractor's obligations to execute the
 - iv) Works and remedy any defects, and
 - v) a cause listed in Sub-Clause 17.3 [Procuring Entity's Risks], except to the extent that cover is available at commercially reasonable terms.

184 Insurance for Contractor's Personnel

- 1841 The Contractor shall effect and maintain insurance against liability for claims, damages, losses and expenses (including legal fees and expenses) arising from injury, sickness, disease or death of any person employed by the Contractor or any other of the Contractor's Personnel.
- 1842 The insurance shall cover the Procuring Entity and the Architect against liability for claims, damages, losses and expenses (including legal fees and expenses) arising from injury, sickness, disease or death of any person employed by the Contractor or any other of the Contractor's Personnel, except that this insurance may exclude losses and claims to the extent that they arise from any act or neglect of the Procuring Entity or of the Procuring Entity's Personnel.
- 1843 The insurance shall be maintained in full force and effect during the whole time that these personnel are assisting in the execution of the Works. For a Subcontractor's employees, the insurance may be effected by the Subcontractor, but the Contractor shall be responsible for compliance with this Clause.

19 FORCE MAJEURE

19.1 Definition of Force Majeure

- 19.1.1 In this Clause, "Force Majeure" means an exceptional event or circumstance:
- a) Which is beyond a Party's control,
 - b) Which such Party could not reasonably have provided against before entering into the Contract,
 - c) which, having arisen, such Party could not reasonably have avoided or overcome, and
 - d) which is not substantially attributable to the other Party.
- 19.1.2 Force Majeure may include, but is not limited to, exceptional events or circumstances of the kind listed below, so long as conditions (a) to (d) above are satisfied:
- a) war, hostilities (whether war be declared or not), invasion, act of foreign enemies,
 - b) rebellion, terrorism, sabotage by persons other than the Contractor's Personnel, revolution, insurrection, military or usurped power, or civil war,
 - c) riot, commotion, disorder, strike or lock out by persons other than the Contractor's Personnel,
 - d) munitions of war, explosive materials, ionizing radiation or contamination by radio-activity, except as may be attributable to the Contractor's use of such munitions, explosives, radiation or radio-activity, and
 - e) natural catastrophes such as earthquake, hurricane, typhoon or volcanic activity.

192 Notice of Force Majeure

- 192.1 If a Party is or will be prevented from performing its substantial obligations under the Contract by Force Majeure, then it shall give notice to the other Party of the event or circumstances constituting the Force Majeure and shall specify the obligations, the performance of which is or will be prevented. The notice shall be given within 14 days after the Party became aware, or should have become aware, of the relevant event or circumstance constituting Force Majeure.
- 192.2 The Party shall, having given notice, be excused performance of its obligations for so long as such Force Majeure prevents it from performing them.
- 192.3 Notwithstanding any other provision of this Clause, Force Majeure shall not apply to the obligations of either Party to make payments to the other Party under the Contract.

193 Duty to Minimize Delay

Each Party shall at all times use all reasonable endeavors to minimize any delay in the performance of the Contract as a result of Force Majeure. A Party shall give notice to the other Party when it ceases to be affected by the Force Majeure.

194 Consequences of Force Majeure

- 194.1 If the Contractor is prevented from performing his substantial obligations under the Contract by Force Majeure of which notice has been given under Sub-Clause 19.2 [Notice of Force Majeure], and suffers delay and/ or incurs Cost by reason of such Force Majeure, the Contractor shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to:
- a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and
 - b) if the event or circumstance is of the kind described in sub-paragraphs (i) to (iv) of Sub-Clause 19.1 [Definition of Force Majeure] and, in sub-paragraphs (ii) to (iv), occurs in Kenya, payment of any such Cost, including the costs of rectifying or replacing the Works and/or Goods damaged or destroyed by Force Majeure, to the extent they are not indemnified through the insurance policy referred to in Sub-Clause 18.2 [Insurance for Works and Contractor's Equipment].
- 194.2 After receiving this notice, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.

195 Force Majeure Affecting Subcontractor

If any Subcontractor is entitled under any contract or agreement relating to the Works to relief from force majeure on terms additional to or broader than those specified in this Clause, such additional or broader force majeure events or circumstances shall not excuse the Contractor's non-performance or entitle him to relief under this Clause.

196 Optional Termination, Payment and Release

- 196.1 If the execution of substantially all the Works in progress is prevented for a continuous period of 84 days by reason of Force Majeure of which notice has been given under Sub-Clause 19.2 [Notice of Force Majeure], or for multiple periods which total more than 140 days due to the same notified Force Majeure, then either Party may give to the other Party a notice of termination of the Contract. In this event, the termination shall take effect 7 days after the notice is given, and the Contractor shall proceed in accordance with Sub-Clause 16.3 [Cessation of Work and Removal of Contractor's Equipment].
- 196.2 Upon such termination, the Architect shall determine the value of the work done and issue a Payment Certificate which shall include:
- a) The amounts payable for any work carried out for which a price is stated in the Contract;
 - b) the Cost of Plant and Materials ordered for the Works which have been delivered to the Contractor, or of which the Contractor is liable to accept delivery: this Plant and Materials shall become the property of (and be at the risk of) the Procuring Entity when paid for by the Procuring Entity, and the Contractor shall place the same at the Procuring Entity's disposal;
 - c) other Cost or liabilities which in the circumstances were reasonably and necessarily incurred by the Contractor in the expectation of completing the Works;

- d) the Cost of removal of Temporary Works and Contractor's Equipment from the Site and the return of these items to the Contractor's works in his country (or to any other destination at no greater cost); and
- e) the Cost of repatriation of the Contractor's staff and lab or employed wholly in connection with the Works at the date of termination.

19.7 Release from Performance

Not with standing any other provision of this Clause, if any event or circumstance outside the control of the Parties (including, but not limited to, Force Majeure) arises which makes it impossible or unlawful for either or both Parties to fulfill its or their contractual obligations or which, under the law governing the Contract, entitles the Parties to be released from further performance of the Contract, then upon notice by either Party to the other Party of such event or circumstance:

- a) The Parties shall be discharged from further performance, without prejudice to the rights of either Party in respect of any previous breach of the Contract, and
- b) The sum payable by the Procuring Entity to the Contractor shall be the same as would have been payable under Sub-Clause 19.6 [Optional Termination, Payment and Release] if the Contract had been terminated under Sub-Clause 19.6.

20 SETTLEMENT OF CLAIMS AND DISPUTES

20.1 Contractor's Claims

- 20.1.1 If the Contractor considers itself to be entitled to any extension of the Time for Completion and/or any additional payment, under any Clause of these Conditions or otherwise in connection with the Contract, the Contractor shall give Notice to the Engineer, describing the event or circumstance giving rise to the claim. The notice shall be given as soon as practicable, and not later than 30 days after the Contractor became aware, or should have become aware, of the event or circumstance.
- 20.1.2 If the Contractor fails to give notice of a claim within such period of 30 days, the Time for Completion shall not be extended, the Contractor shall not be entitled to additional payment, and the Procuring Entity shall be discharged from all liability in connection with the claim. Otherwise, the following provisions of this Sub-Clause shall apply.
- 20.1.3 The Contractor shall also submit any other notices which are required by the Contract, and supporting particulars for the claim, all as relevant to such event or circumstance.
- 20.1.4 The Contractor shall keep such contemporary records as may be necessary to substantiate any claim, either on the Site or at another location acceptable to the Engineer. Without admitting the Procuring Entity's liability, the Architect may, after receiving any notice under this Sub-Clause, monitor the record-keeping and/ or instruct the Contractor to keep further contemporary records. The Contractor shall permit the Architect to inspect all these records and shall (if instructed) submit copies to the Engineer.
- 20.1.5 Within 42 days after the Contractor became aware (or should have become aware) of the event or circumstance giving rise to the claim, or within such other period as may be proposed by the Contractor and approved by the Engineer, the Contractor shall send to the Architect fully detailed claim which includes full supporting particulars of the basis of the claim and of the extension of time and/ or additional payment claimed. If the event or circumstance giving rise to the claim has a continuing effect:
- a) This fully detailed claim shall be considered as interim;
 - b) The Contractor shall send further interim claims at monthly intervals, giving the accumulated delay and/ or amount claimed, and such further particulars as the Architect may reasonably require; and
 - c) The Contractor shall send a final claim within 30 days after the end of the effects resulting from the event or circumstance, or within such other period as may be proposed by the Contractor and approved by the Engineer.
- 20.1.6 Within 42 days after receiving a Notice of a claim or any further particulars supporting a previous claim, or within such other period as may be proposed by the Architect and approved by the Contractor, the Architect shall respond with approval, or with disapproval and detailed comments. He may also request any necessary further particulars but shall nevertheless give his response on the principles of the claim within the above defined time period.
- 20.1.7 Within the above defined period of 42 days, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine (i) the extension (if any) of the Time for Completion (before or after its expiry) in accordance with Sub-Clause 8.4 [Extension of Time for Completion], and/or (ii) the additional payment (if any) to which the Contractor is entitled under the Contract.
- 20.1.8 Each Payment Certificate shall include such additional payment for any claim as has been reasonably substantiated as due under the relevant provision of the Contract. Unless and until the particulars supplied are sufficient to substantiate the whole of the claim, the Contractor shall only be entitled to payment for such part of the claim as he has been able to substantiate.
- 20.1.9 If the Architect does not respond within the time frame defined in this Clause, either Party may consider that the claim is rejected by the Architect and any of the Parties may refer the dispute for amicable settlement in accordance with Clause 20.3.

20.1.10 The requirements of this Sub-Clause are in addition to those of any other Sub-Clause which may apply to a claim. If the Contractor fails to comply with this or another Sub-Clause in relation to any claim, any extension of time and/ or additional payment shall take account of the extent (if any) to which the failure has prevented or prejudiced proper investigation of the claim, unless the claim is excluded under the second paragraph of this Sub-Clause 20.3.

202 Procuring Entity's Claims

202.1 If the Procuring Entity considers itself to be entitled to any payment under any Clause of these Conditions or otherwise in connection with the Contract, and/or to any extension of the Defects Notification Period, the Procuring Entity or the Architect shall give notice and particulars to the Contractor. However, notice is not required for payments due under Sub-Clause 4.19 [Electricity, Water and Gas], under Sub-Clause 4.20 [Procuring Entity's Equipment and Free-Issue Materials], or for other services requested by the Contractor.

202.2 The notice shall be given as soon as practicable and no longer than 30 days after the Procuring Entity became aware, or should have become aware, of the event or circumstances giving rise to the claim. A notice relating to any extension of the Defects Notification Period shall be given before the expiry of such period.

202.3 The particulars shall specify the Clause or other basis of the claim and shall include substantiation of the amount and/or extension to which the Procuring Entity considers itself to be entitled in connection with the Contract. The Architect shall then proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine (i) the amount (if any) which the Procuring Entity is entitled to be paid by the Contractor, and/ or (ii) the extension (if any) of the Defects Notification Period in accordance with Sub-Clause 11.3 [Extension of Defects Notification Period].

202.4 This amount may be included as a deduction in the Contract Price and Payment Certificates. The Procuring Entity shall only be entitled to set off against or make any deduction from an amount certified in a Payment Certificate, or to otherwise claim against the Contractor, in accordance with this Sub-Clause.

203 Amicable Settlement

Where a notice of a claim has been given, both Parties shall attempt to settle the dispute amicably before the commencement of arbitration. However, unless both Parties agree otherwise, the Party giving a notice of a claim in accordance with Sub-Clause 20.1 above should move to commence arbitration after 60 days from the day on which a notice of a claim was given, even if no attempt at an amicable settlement has been made.

204 Matters that may be referred to arbitration

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

- a) Whether or not the issue of an instruction by the Architect is empowered by these Conditions.
- b) Whether or not a certificate has been improperly withheld or is not in accordance with these Conditions.
- c) Any dispute arising in respect risks arising from matters referred to in Clause 17.3 and Clause 19.
- e) All other matters shall only be referred to arbitration after the completion or alleged completion of the Works or termination or alleged termination of the Contract, unless the Procuring Entity and the Contractor agree otherwise in writing.

205 Arbitration

205.1 Any claim or dispute between the Parties arising out of or in connection with the Contract not settled amicably in accordance with Sub-Clause 20.3 shall be finally settled by arbitration.

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

- 205.3 Notwithstanding the issue of a notice as stated above, the arbitration of such a claim or dispute shall not commence unless an attempt has in the first instance been made by the parties to settle such claim or dispute amicably with or without the assistance of third parties. Proof of such attempt shall be required.
- 205.4 The Arbitrator shall, without prejudice to the generality of his powers, have powers to direct such measurements, computations, tests or valuations as may in his opinion be desirable in order to determine the rights of the parties and assess and award any sums which ought to have been the subject of or included in any certificate.
- 205.5 The Arbitrator shall, without prejudice to the generality of his powers, have powers to open up, review and revise any certificate, opinion, decision, requirement or notice and to determine all matters in dispute which shall be submitted to him in the same manner as if no such certificate, opinion, decision require mentor notice had been given.
- 205.6 The arbitrators shall have full power to open up, review and revise any certificate, determination, instruction, opinion or valuation of the Engineer, relevant to the dispute. Nothing shall disqualify representatives of the Parties and the Architect from being called as a witness and giving evidence before the arbitrators on any matter whatsoever relevant to the dispute.
- 205.7 Neither Party shall be limited in the proceedings before the arbitrators to the evidence, or to the reasons for dissatisfaction given in its Notice of Dissatisfaction.
- 205.7 Arbitration may be commenced prior to or after completion of the Works. The obligations of the Parties, and the Architect shall not be altered by reason of any arbitration being conducted during the progress of the Works.
- 205.8 The terms of the remuneration of each or all the members of Arbitration shall be mutually agreed upon by the Parties when agreeing the terms of appointment. Each Party shall be responsible for paying one-half of this remuneration.

206 Arbitration with National Contractors

- 206.1 If the Contract is with national contractors, arbitration proceedings will be conducted in accordance with the Arbitration Laws of Kenya. In case of any claim or dispute, such claim or dispute shall be notified in writing by either party to the other with a request to submit it to arbitration and to concur in the appointment of an Arbitrator within thirty days of the notice. The dispute shall be referred to the arbitration and final decision of a person to be agreed between the parties. Failing agreement to concur in the appointment of an Arbitrator, the Arbitrator shall be appointed, on the request of the applying party, by the Chairman or Vice Chairman of any of the following professional institutions;
- i) Architectural Association of Kenya
 - ii) Institute of Quantity Surveyors of Kenya
 - iii) Association of Consulting Engineers of Kenya
 - iv) Chartered Institute of Arbitrators (Kenya Branch)
 - v) Institution of Engineers of Kenya
- 206.2 The institution written to first by the aggrieved party shall take precedence over all other institutions.

207 Arbitration with Foreign Contractors

- 207.1 Arbitration with foreign contractors shall be conducted in accordance with the arbitration rules of the United Nations Commission on International Trade Law (UNCITRAL); or with proceedings administered by the International Chamber of Commerce (ICC) and conducted under the ICC Rules of Arbitration; by one or more arbitrators appointed in accordance with said arbitration rules.
- 207.2 The place of arbitration shall be a location specified in the **SCC**; and the arbitration shall be conducted in the language for communications defined in Sub-Clause 1.4 [Law and Language].

208 Alternative Arbitration Proceedings

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

209 Failure to Comply with Arbitrator's Decision

209.1 The award of such Arbitrator shall be final and binding up on the parties.

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

20.10 Contract operations to continue

Notwithstanding any reference to arbitration herein,

1.1.1 the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and

1.1.2 the Procuring Entity shall pay the Contractor any monies due the Contractor.

Section IX - Special Conditions of Contract

The following Special Conditions shall supplement the GCC. Whenever there is a conflict, the provisions here in shall prevail over those in the GCC.

Conditions	Sub- Clause	Data
Part A - Contract Data		
Procuring Entity's name and address	Heading	Murang'a University of Technology
Name and Reference No. of the Contract	Heading and 1.1	Proposed construction of Tuition Block Phase III for Murang'a University of Technology Ref No. MUT/T04/TB PH-III/2026/2027
Engineer's Name and address	Heading and 3.1.1	<i>Insert</i>
Contractor's Representative's name	4.3.1	<i>[insert the name of the Contractor's Representative agreed by the Procuring Entity prior to Contract signature]</i>
Key Personnel names	16.9.1	<i>[insert the name of each Key Personnel agreed by the Procuring Entity prior to Contract signature]</i>
Time for Completion	1.1.	104 weeks
Defects Notification Period	1.1	6 months
Sections	1.1	Not Applicable
Electronic transmission systems	1.3	
Time for the Parties entering into a Contract Agreement	1.6	Within 30 days
Commencement Date	8.1.1	
Time for access to the Site	2.1.1	No later than the Commencement Date, and not later than fourteen (14) days after Commencement Date
Architect Duties and Authority	3.1.6 (b) (ii)	Variations resulting in an increase of the Accepted Contract Amount in excess of 10 % shall require approval of the Procuring Entity.
Performance Security	4.2.1	The performance security will be in the form of a performance bond in the amount(s) of Ten (10%) percent of the Accepted Contract Amount and in the same currency(ies) of the Accepted Contract Amount.
Normal working hours	6.5	08.00 to 17.00 Hours
Delay damages for the Works	8.7 & 14.15(b)	0.04 % of the Contract Price per day.
Maximum amount of delay damages	8.7.1	10 % of the final Contract Price.
Provisional Sums	13.6. (b)(ii)	3%
Adjustment for Changes in Legislation	13.8	Shall apply
Adjustments for Changes in Cost	13.9	Not Applicable
Bill of Quantities	14.1.1(c)	The bills shall be deemed to have been prepared in accordance with the principles of the latest edition of the Standard Method of Measurement of Building Works for East Africa.
Total advance payment	14.2.1	Not Applicable
Repayment amortization rate of advance payment	14.2.5 (b)	Not Applicable
Percentage of Retention	14.3.2 (c)	10 %
Limit of Retention Money	14.3.2 (c)	10 % of the Accepted Contract Amount

Conditions	Sub- Clause	Data
Plant and Materials	14.5.3(b)(i)	Sub-Clause 14.5 is Not Applicable
	14.5.3(c)(i)	Plant and Materials for payment when delivered to the Site Not Applicable
Minimum Amount of Interim Payment Certificates	14.6.2	N/A
Publishing source of commercial interest rates for financial charges in case of delayed payment	14.8	Annual rate of three percentage points above the mean rate of the Central Bank in Kenya.
Maximum total liability of the Contractor to the Procuring Entity	17.6.2	The Accepted Contract Amount,
Insurance:	18.2 & 18.3	The Contractor shall be responsible for effecting and maintaining the insurance.
Periods for submission of insurance: a. evidence of insurance. b. relevant policies	18.1.6	14 days 30 days
Maximum amount of deductibles for insurance of the Procuring Entity's risks	18.2.4 (d)	<i>[Insert maximum amount of deductibles]</i>
Minimum amount of third-party insurance	18.3.2	<i>[Insert amount of third-party insurance]</i>
The place of arbitration	20.7.2	Nairobi, Kenya

SECTION X - CONTRACT FORMS

FORM No. 1 - NOTIFICATION OF INTENTION TO AWARD

FORM NO. 2 – REQUEST FOR REVIEW

FORM No. 3-LETTEROF AWARD

FORM No. 4 - CONTRACT AGREEMENT

FORM No. 5 - PERFORMANCE SECURITY [Option 1 - Unconditional Demand Bank Guarantee]

FORM No. 6- PERFORMANCE SECURITY [Option 2– Performance Bond]

FORM No. 7 - ADVANCE PAYMENT SECURITY

FORM No. 8 - RETENTION MONEY SECURITY

FORM No 1: NOTIFICATION OF INTENTION TOAWARD OF CONTRACT

This Notification of Award shall be sent to each Tenderer that submitted a Tender and was not successful. Send this Notification to the Tenderer's Authorized Representative named in the Tender Information Form on the format below.

FORMAT

1. For the attention of Tenderer's Authorized Representative

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

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

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

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

3. Notification of Award

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

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

4. Request a debriefing in relation to the evaluation of your tender by submitting a Procurement-related Complaint in relation to the decision to award the contracts.

a) The successful tenderers

i) Name of successful Tender _____

ii) Address of the successful Tender _____

iii) Contract price of the successful Tender Kenya Shillings _____
(in words _____)

b) The reasons for your tender being unsuccessful are as follows:

c) Other Tenderers

Names of all Tenderers that submitted a Tender. If the Tender's price was evaluated include the evaluated price as well as the Tender price as read out.

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

(Note a) State NE if not evaluated

5. How to request a debriefing

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

6. How to make a complaint

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

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

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

7. Stand still Period.

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

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

Signature: _____

Name: _____

Title/position: _____

Telephone: _____

FORM NO. 2- REQUEST FOR REVIEW

FORM FOR REVIEW (r.203(1))

PUBLIC PROCUREMENT ADMINISTRATIVE REVIEW BOARD

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

BETWEEN

.....**APPLICANT**

AND

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

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

REQUEST FOR REVIEW

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

- 1.
- 2.

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

- 1.
- 2.

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

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

SIGNED

Board Secretary

FORM NO 3: LETTER OF AWARD

letterhead paper of the Procuring Entity]

[date]

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

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

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

Authorized Signature:

Name and Title of Signatory:

Name of Procuring Entity:

Attachment: *Contract Agreement:*

FORM NO 4: CONTRACT AGREEMENT

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

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

The Procuring Entity and the Contractor agree as follows:

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

INWITNESS where of the parties here to have caused this Agreement to be executed in accordance with the Laws of Kenya on the day, month and year specified above.

Signed and sealed by _____(for the Procuring Entity)

Signed and sealed by _____(for the Contractor).

FORM NO. 5 - PERFORMANCE SECURITY

[Option 1 - Unconditional Demand Bank Guarantee]

[Guarantor letterhead]

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

Date: _____ *[Insert date of issue]*

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

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

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

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

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

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

FORM No. 6- PERFORMANCE SECURITY

[Option 2– Performance Bond]

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

[Guarantor letterhead or SWIFT identifier code] **Beneficiary:**

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

_____ *[Insert date of issue]*

PERFORMANCE BOND No.: _____

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

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

SIGNED ON _____ on behalf of _____

By _____ in the capacity of _____

In the presence of _____

SIGNED ON _____ on behalf of _____

By _____ in the capacity of _____

In the presence of _____

FORM NO. 7 - ADVANCE PAYMENT SECURITY

[Demand Bank Guarantee]

[Guarantor letterhead]

Beneficiary: _____ [Insert name and Address of Procuring

Entity] **Date:** _____ [Insert date of issue]

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

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

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

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

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

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

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

FORM NO. 8 – RETENTION MONEY SECURITY

[Demand Bank Guarantee]

[Guarantor letterhead]

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

Date: _____ *[Insert date of issue]*

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

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

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

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

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

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

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

FORM NO. 9 BENEFICIAL OWNERSHIP DISCLOSURE FORM

(Amended and issued pursuant to PPRA CIRCULAR No. 02/2022)

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

This Beneficial Ownership Disclosure Form ("Form") is to be completed by the successful tenderer pursuant to Regulation 13 (2A) and 13 (6) of the Companies (Beneficial Ownership Information) Regulations, 2020. In case of joint venture, the tenderer must submit a separate Form for each member. The beneficial ownership information to be submitted in this Form shall be current as of the date of its submission.

For the purposes of this Form, a Beneficial Owner of a Tenderer is any natural person who ultimately owns or controls the legal person (tenderer) or arrangements or a natural person on whose behalf a transaction is conducted, and includes those persons who exercise ultimate effective control over a legal person (Tenderer) or arrangement.

Tender Reference No.: _____ [insert identification no]

Name of the Tender Title/Description: _____ [insert name of the assignment] to:
 _____ [insert complete name of Procuring Entity]

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

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

Details of Beneficial ownership

	Details of all Beneficial Owners		% of shares a person holds in the company Directly or indirectly	% of voting rights a person holds in the company	Whether a person directly or indirectly holds a right to appoint or remove a member of the board of directors of the company or an equivalent governing body of the Tenderer (Yes / No)	Whether a person directly or indirectly exercises significant influence or control over the Company (tenderer) (Yes/ No)
1.	Full Name		Directly----- ----- % of shares	Directly.....% of voting rights	1. Having the right to appoint a majority of the board of the directors or an equivalent governing body of the Tenderer: Yes ----No---- 2. Is this right held directly or indirectly?: Direct..... ... Indirect..... ...	1. Exercises significant influence or control over the Company body of the Company (tenderer) Yes ----No---- 2. Is this influence or control exercised directly or indirectly? Direct..... Indirect.....
	National identity card number or Passport number					
	Personal Identification Number (where applicable)		Indirectly---- ----- % of shares	Indirectly----- % of voting rights		
	Nationality					
	Date of birth [dd/mm/yyyy]					
	Postal address					
	Residential address					
	Telephone number					
	Email address					
	Occupation or profession					

	Details of all Beneficial Owners		% of shares a person holds in the company Directly or indirectly	% of voting rights a person holds in the company	Whether a person directly or indirectly holds a right to appoint or remove a member of the board of directors of the company or an equivalent governing body of the Tenderer (Yes / No)	Whether a person directly or indirectly exercises significant influence or control over the Company (tenderer) (Yes / No)
2.	Full Name		Directly----- ----- % of shares Indirectly---- ----- % of shares	Directly.....% of voting rights Indirectly----- % of voting rights	1. Having the right to appoint a majority of the board of the directors or an equivalent governing body of the Tenderer: Yes ----No---- 2. Is this right held directly or indirectly?: Direct..... ... Indirect..... ...	1. Exercises significant influence or control over the Company body of the Company (tenderer) Yes ----No---- 2. Is this influence or control exercised directly or indirectly? Direct..... Indirect.....
	National identity card number or Passport number					
	Personal Identification Number (where applicable)					
	Nationality(ies)					
	Date of birth [dd/mm/yyyy]					
	Postal address					
	Residential address					
	Telephone number					
	Email address					
	Occupation or profession					
3. etc.						

II) Am fully aware that beneficial ownership information above shall be reported to the Public Procurement Regulatory Authority together with other details in relation to contract awards and shall be maintained in the Government Portal, published and made publicly available pursuant to Regulation 13(5) of the Companies (Beneficial Ownership Information) Regulations, 2020.(Notwithstanding this paragraph Personally Identifiable Information in line with the Data Protection Act shall not be published or made public). *Note that Personally Identifiable Information (PII) is defined as any information that can be used to distinguish one person from another and can be used to deanonymize previously anonymous data. This information includes National identity card number or Passport number, Personal Identification Number, Date of birth, Residential address, email address and Telephone number.*

III) In determining who meets the threshold of who a beneficial owner is, the Tenderer must consider a natural person who in relation to the company:

(a) holds at least ten percent of the issued shares in the company either directly or indirectly;

(b) exercises at least ten percent of the voting rights in the company either directly or indirectly;

- (c) holds a right, directly or indirectly, to appoint or remove a director of the company; or
- (d) exercises significant influence or control, directly or indirectly, over the company.

IV) What is stated to herein above is true to the best of my knowledge, information and belief.

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

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

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

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

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

Bidder Official Stamp

SPECIFICATIONS AND PRICING NOTES

SPECIFICATIONS AND PRICING NOTES

BILL NO. 1

SPECIFICATIONS AND PRICING NOTES

The contractor should read carefully the following specification for workmanship prepared in accordance with standard specifications for building works 1976 Edition prepared by the Ministry of Public Works

GENERAL ITEMS

Materials Generally

- A.1 All materials used on the works shall be new and of the qualities and kinds specified herein and equal to approved samples. Deliveries shall be made sufficiently in advance to enable samples to be taken and tested if required. No materials shall be used until approved and all materials which are not approved or which are damaged, contaminated or have deteriorated in any way or do not comply in any way with the requirements of this specification shall be rejected and shall be immediately removed from the site at the Contractors expense.
- A.2 **Material for which there is a Kenya Bureau of Standard specification**
- All materials used in the works for which a Kenya Bureau of Standards Specification has been published shall conform with the latest edition thereof in every way. The Architect reserves the right to demand that the Contractor shall obtain at his own expense a certificate in respect of any materials to state that is in accordance with the Kenya Bureau of Standard specification.
- A.3 **Materials for which there is no Kenya Bureau of Standards specification**
- All materials used in the works for which no Kenya Bureau of Standards specifications has been published shall conform with the British Standards Specification for such materials. If there are no published standards as specified for any materials, the quality of such materials shall be generally of a standard equal to those for which there is a Kenya Bureau of Standards or British Standard specification.

EXCAVATION AND EARTHWORK

B.1 Site Clearance

Site Clearance shall include the cutting down of all trees, stumps, bushes, vegetation and rubbish, burning the debris arising in approved locations and carting remaining material to a tip provided by the Contractor.

B.2 Nature of the Soil

The Contractor is advised to visit the site and ascertain the nature of the ground to be excavated and the shall price accordingly and no claim will be allowed for want of knowledge in this respect.

Rates for excavation shall include for excavation in soil, earth, black cotton, sandy soil, murram, tuff, soft rock, boulders or whatever other subsoil is encountered except hard rock as defined below..

B.3 Foundation Excavations

- a) The foundation trenches and column bases shall be excavated to the widths and depths of the concrete foundations shown on the drawings or to such widths and depths as the Engineer may instruct after examination of the excavations. Quantities of all excavations shall be measured and valued by the Quantity Surveyor and any difference between such measurements and the measurements herein given shall be dealt with as a variation to the Contractor.

If however, the Contractor excavates to any greater depths than shown in the drawings or as instructed by the Engineer, then he shall at his own expense fill in such extra depth of excavation with concrete as specified for the foundations to the satisfaction of the Engineer. The Contractor shall not be paid for the cost of any excavation executed deeper or wider than shown on the drawings or instructed by the Engineer nor the cost of back filling such excavation or disposing of surplus.

B.4 Surplus Soil Disposal

Excavated material not required for subsequent refilling shall be removed to areas off site which shall be approved by the Architect.

B.5 Top Soil for Spreading

Where required in the Bills of Quantities, top soil required for subsequent spreading over finished work shall be especially selected and shall be dumped in special heaps as indicated by the Architect. Such top soil shall be reasonably free from vegetation to the satisfaction of the Architect and shall be compacted as little as possible in the heaps.

B.6 Filling under Surface Beds in Buildings

i) Murram filling

Murram for filling as base course shall be from an approved source and of the highest quality. It shall be laid in layers not less than 150mm thick and not greater than 230 mm thick prior to compaction. Water will be applied to O.M.O. and each layer will be thoroughly compacted by at least 8 passes of a 10 tonne smooth wheeled roller or a 2 tonne vibrating roller until all movement ceases and 100% C.B.R. is obtained.

ii) Hardcore filling

Hardcore filling shall be crushed rock, broken concrete or other approved hard granular materials broken to pass not greater than a 150mm ring or to be 75% of the finished thickness of the layers being compacted whichever is the less and graded so that it can be easily and thoroughly compacted by rolling. The filling is to be laid in layers each of a consolidated thickness not exceeding 230 mm.

B.7 Anti-termite treatment

Where described the top surface of filling shall be treated with Gladiator T C Pesticides to be supplied and applied by Rentokil Ltd. P.O. Box, 44360, Nairobi or other equal and approved firm strictly in accordance with the satisfaction of the Architect. The Contractor must destroy any termite nests found within the perimeter of the building and within 20 metres from the building externally and take out and destroy queens, impregnate holes and tunnels with approved insecticide and backfill with hard material, well rammed rammed and consolidated. The specialist shall be required to issue a 10 year guarantee to the Engineer.

B.8 Polythene Sheeting

Polythene sheeting shall be produced by an approved manufacturer. Joints in sheeting shall be treble folded with a 150mm fold and taped at 300mm intervals with 50mm wide back plastic adhesive tapes. The sheeting shall not stretched but shall be laid with sufficient wrinkles to permit shrinkage up to 15%.

The Contractor shall ensure that the membrane is not pierced buying laying and concreting.

B.9 Existing Services

Before commencing works, the Contractor shall at his own expense ascertain in writing from the relevant Local Authorities and all other Public bodies, companies and persons who may be affected, the position and depths of their respective ducts, cables, mains or pipes and appurtenance. He shall thereupon search for and locate such services.

Active existing services shall be adequately protected from damage or relocated as directed by the Architect. Inactive services shall be removed or sealed off in accordance with the direction of the Architect.

A.10 Protection

The Contractor shall protect all graded and filled areas from the actions of the elements. Any settlement or washing away that occur prior to acceptance of the works shall be repaired and grades re-established to the required elevations and slopes.

CONCRETE WORK

C.1 Codes of Practice

All workmanship, materials, tests and performances in connection with reinforced concrete shall be in conformity with the latest edition of the British Standard for concrete works 9B.S. B 10 parts 1 & 2, B.S 8004, BS. 8007) and any other approved Local and International Standards. Where inconsistency exists between these preambles and these Standards, the Contractor shall notify the Engineer in good time for his Clarification as to which of the two implications on the Contract.

C.2 Supervision

A competent person approved by the Engineer shall be employed by the Contractor whose duty will be to supervise all stages in the preparation and placing of the concrete. All cubes shall be made and site tests carried out under his direct supervision on Consultation with the Engineer.

C.3 Cement

Cement unless otherwise specified shall be ordinary Portland Cement of a brand and source approved by the Engineer and shall comply With the requirements of K.S.02-21. A manufacturers certificate of test in accordance with K.S.0221 shall be supplied for each consignment delivered to the site.

C.4 Aggregate

Aggregates shall conform with the requirement K.S.02-95 and all the proposed sources, types and grading test results of all aggregates are to be approved in all respects by the Engineer before work commences.

If in the opinion of the Engineer the aggregate meets with the above requirements but is dirty or adulterated in any manner, it shall be screened and/or washed with clean water at the Contractors expense.

Aggregate shall be delivered to the Site in their prescribed sizes or gradings and shall be stock-piled on paved areas to boarded platforms in separate units to avoid intermixing. **On no account shall premixed cores aggregates be brought to the batching plant. On no account shall aggregates be stock-piled on the ground.**

C.5 Water

The water used for mixing concrete shall be from an approved source, clean, fresh and free from harmful matter and comply with the requirements of B.S.3148.

C.6 Quality Control at Works Stage

Once the concrete mix is accepted from preliminary to works stage, the principal basis of control shall be analysis of the cube test results at 28 days.

C.7 Cement

The Quantity of cement shall be measured by weight. Where delivered in bags, each batch of concrete is to contain one or more bags of cement in accordance with the proportions specified.

For non-structural concrete, volume batching may be used as indicated below:

Class of Concrete	15 10		
Nominal mix by volume		1:3:6	1:4:8
Cubic metres of fine aggregate Per 50 kg. bag of cement	0.12	0.16	
Cubic metres of coarse aggregate Per 50kg bag of cement	0.24	0.32	
Max. size of coarse aggregate *or 20mm for blinding concrete where described.		40mm*	40mm*

Where batching is by volume, approved gauge boxes of such a size as will give the correct proportions shall be used, and full account shall be taken of bulking due to high moisture content.

C.8 Construction Joints

Construction joints shall be permitted only at the positions predetermined on the drawings or as instructed on the site by the Engineer. In general they shall be located at points of minimum shear, viz, vertical at, or near midspans of slabs, ribs and beams.

C.9 Faulty Concrete

Any concrete which fails to comply with these Preambles, or which shows signs of setting before it is placed shall be taken Out and removed from the site, where concrete is found to be defective after set the concrete shall be cut out and replaced in accordance with the Engineers instructions. On no account shall any faulty, honeycombed or otherwise defective concrete be required or patched until the Engineer has made an inspection and issued instructions for the repair.

C.10 Steel reinforcement

The steel reinforcement shall comply with the latest requirements of the following British Standards:-

Hot rolled MS for the Reinforcement of concrete	KS 02-22
Hot rolled MS for the Reinforcement of concrete	KS 4449
Cold worked H .Y. steel for the Reinforcement of concrete	BS 4461
Hard drawn steel wire	BS 4482

C.11 Fabric Reinforcement

Fabric reinforcement shall be electrically cross-welded steel wire mesh reinforcement to BS. 1483 and of the size and weight specified and made of wire to B.S. 4482.

C.12 Fixing Steel Reinforcement

Reinforcement shall be accurately bent to the shapes and dimensions shown on the Drawings and Schedules and in accordance with B.S. 4466 and B.S. 8110. Reinforcement must be cut and bent cold and no welded joints will be permitted unless to detailed or directed by the Engineer.

C.13 Formwork

The method and system of formwork which the Contractor proposed to use shall be approved by the Engineer before construction commences. Formwork shall be substantially and rigidly constructed of timber, steel, plastic, pre-cast concrete or other approved material.

All timber formwork shall be good, sound, clean, sawn, well-seasoned timber free from warps and loose knots and scantlings sufficiently strong for their purpose.

WALLING

MATERIALS

D.1 Cement

Cement Used for making mortar shall be as described in concrete work.

D.2 Lime

The lime for making mortar shall be obtained from an approved source and shall comply with BS 890 class A for non-hydraulic lime. The lime to be run to putty in an approved lined pit or container. The water to be first run into the pit or container and the lime to be added until it is completely submerged, stirred vigorously until all lumps are disintegrated and shall be kept constantly covered with water and regularly stirred for at least four weeks. The resulting milk-lime then to be run through a fine sieve and run into a pit or other container and kept clean and moist for not less than two weeks before being used in the works.

D.3 Sand

Sand used for making mortar shall be clean, well graded siliceous sand of good sharp hard quality equal to samples which shall be deposited with and approved by the Architect. It shall be free from lumps of stone, earth, loam, dust, salt, organic matter and other deleterious substances, passed through a fine sieve

and washed with clean water if so directed by the Architect.

D.4 Water

Shall be as described in Concrete work.

D.5 Stone

All stone shall comply with the requirements of CP 121.202 for masonry and rubble walls respectively except where amended or extended by the following clauses.

D.6 Reinforced Walls

Steel reinforcing bars in walls shall be carefully placed and spacers used to ensure that a minimum of 20 mm cover is given to the reinforcement unless otherwise specified.

Horizontal reinforcement in mortar joints shall be laid such that the reinforcement is not in contact with the blocks or stone.

D.7 Wall Ties

Wall ties shall be provided to connect walls to steel or concrete columns and beams to connect two unbounded leaves of wall.

Wall ties shall be provided at 450mm centres both vertically and 900mm centres horizontally and shall be staggered when used to connect two leaves of unbounded wall. Wall ties shall be embedded into each material by a minimum of 50mm

D.8 Fair Face

All concrete and hollow blockwork described as finished with a fair face is to be built to a true and even face with the joints finished as specified hereinafter.

D.9 Pointing

Pointing of walls shall be prepared for pointing by raking out all loose or friable material to a minimum of 15 mm to form a square recess. The joints shall then be wetted and new mortar shall be forced into the joints and finished as directed.

GLAZING

MATERIALS

E.1 General

Glass used in glazing and for mirrors shall be best quality clear glass free from visible defects so that to afford uninterrupted vision or reflection as appropriate and without obvious distortion.

E.2 Standards

Glass for glazing and mirrors shall be approved manufacture and is to comply with B.S. 952 in all respects free from flaws, bubbles, specks and other imperfections.

E.3 Clear sheet glass etc

The clear sheet glass shall be ordinary glazing (OG) quality.

E.4 Obscured Glass

To be of type described and as approved Architect.

E.5 Putty

a) The putty for glazing to wood sashes is to be linseed oil putty all as B.S. 644.
Workmanship

WORKMANSHIP

E.6 General

Glazing of all types in all locations shall be carefully executed by artisans skilled in this type of work and in conformance with the recommendations of CP 152. Glazing shall be carefully fitted so that it is not subject to pressure and stresses imposed by being an oversight fit within framing.

METALWORK

MATERIALS

F.1 Generally

All material shall be the best of their respective kinds free from defects and all work to be carried out in the most workmanlike manner and strictly as directed by the Architect. The materials in all stages of transportation, handling and stacking shall be kept clean and prevented from injury by breaking, bending or distortion and weather action.

F.2 Mild Steel

Mild steel shall comply with B.S. 15.

F.3 Hollow Section Tubing

Square and rectangular hollow section tubing shall be hot rolled mild steel in accordance with Grade 43C of BS 4360.

F.4 Bolts, Nuts and Washers

These shall be fabricated from materials which comply with B.S.15 and each manufactured item shall comply with the appropriate B.S.

F.5 Galvanized Sheet Steel

To be No.24 S.W.G. of approved manufacture to B.S. 2989 of quality mild steel sheets cold rolled close annealed patent flattened and hot dip galvanized.

F.6 Stainless Steel

Stainless steel tube shall be Austenic steel B.S. comparable to B.S. 1449 Type 316 S 16.

F.7 Steel Grilles

Steel Grilles shall be manufactured from section conforming with B.S.990 of heavy duty sections of the metric W20 range of approved manufacture and design approved by the Architect.

After manufacture and before delivery to site steel windows are to be hot galvanized by dipping in a bath of molten zinc or painted with one coat primer.

WORKMANSHIP

F.8 Welding

All welding is to be in accordance with the requirements of B.S.1856 and 938 and the electrodes shall comply with B.S. 639.

F.9 Painting

All steel is to be wire brushed and any loose scale, dirt or grease shall be removed before any painting is commenced. One coat of red oxide primer type A to B.S. 2523 shall be applied at the shop.

Any damage to the printing paint shall be made good to the Architects satisfaction.

F.10 Fixing of Steel Grilles

Fixing of metal grilles shall include for assembling and fixing, including screwing to sub-frames or cutting mortices for lugs in concrete or walling and running with cement mortar (1:4), bedding frames in similar mortar, pointing in mastic, bedding sills, transoms and mullions in mastic, making good finishings around both sides and fixing, and adjusting all fittings and frames.

FLOOR, WALL AND CEILING FINISHINGS

PLASTERWORK

G.1 Generally

Render, both internal and external shall be cement and sand in the proportions 1:4 finished to the thickness specified.

Plaster shall consist of an undercoat of 1 part cement to 6 parts sand by volume, and a finishing coat of 1 part cement to 10 parts lime putty. Each coat shall be finished to the thickness specified.

G.2 Cement

Ordinary Portland cement and shall comply with KS. 02-21. White and coloured cements shall comply with B.S. 12 and be obtained from an approved manufacturer.

G.3 Lime

Lime shall be prepared from hydrated lime complying with B.S. 890, Part 2.

G.4 Sands

Sands for cement and lime mixes shall comply with B.S. 1199, Table 1.

G.5 Water

Water shall be clean and kept free from all impurities.

G.6 Mixing of materials

All materials shall be thoroughly mixed in the proportions described. No mixes of plasters, other than described shall be used.

G.7 Period between coats

Cement - lime undercoats shall be allowed to dry out thoroughly before a further coat is applied.

G.8 Surfaces of beds and backings

Screeded beds for insitu finishings of floor finishings bedded in mortar, shall be left rough from the screeding board.

Floated beds for inflexible floor finishings bedded in mastic, shall be left with a plain untextured surface.

Trowelled beds for flexible finishings shall be finished smooth and free from score marks, or depressions.

Screeded backings for insitu wall finishings or wall finishings bedded in mortar shall be scratched for key.

Floated backings for inflexible wall finishings fixed with adhesive shall be left with a plain surface.

Trowelled backing for flexible wall finishings shall be finished smooth and free from score marks or depressions.

Beds and Backings for finishings by specialists shall be to the approval of the specialist.

G.9 Preparation of surfaces

All surfaces to receive the finishings in this section shall be thoroughly cleaned. Screech to receive finishings bedded in mortar shall be well wetted before laying is commenced.

PAINTING AND DECORATING

MATERIALS

H.1 Colour range

Painting and decorative schemes shall be carried out in colours selected by the Architect from the approved range of colours.

H.2 Approval of brands

The Contractor shall seek, in writing, approval from the Architect for all brands of paint he wishes to use.

H.3 Quality of Products

Where a type of paint is produced by the Manufacturer in more than one quality, only paints and materials of the first or best quality shall be used in the works. The container label shall indicate clearly the quality of the paint being used.

Where it is not evident that the first or best quality of paint is being used, the Architect will order the removal of such materials from the site and rectification of any work executed with those materials, all at the Contractors expense.

H.5 Same makers materials used for coating

While materials for the work may be obtained from several makers, undercoats and finishing coats for a particular surface must be obtained from the same maker, (i.e. one makers undercoat).

H.8 Remedying defects due to defective materials

All materials, which in the opinion of the Architect are unsatisfactory shall be immediately removed from the site and any work executed with such defective materials shall be made good by the Contractor expense, to the satisfaction of the Architect.

H.15 Emulsion paint

Emulsion paint (interior and/or exterior), shall have a **P.V.A.** base and shall be of an approved band. The first coat shall be thinned in accordance with the manufactures instructions. Where described as applied externally, the paint shall incorporate an approved fungicide to prevent fungus growth.

H.16 Black bituminous paint

Black bituminous paint shall comply with B.S. 3416, Type I for general use, Type II for drinking water tanks.

H.20 Primer for iron and steelwork

Primer for iron and steelwork shall be:

- a) Lead based priming paint complying with B.S. 2523, Type B.
- a) Calcium plumbate priming paint complying with B.S. 3698, Type A.

H.25 Primer for woodwork

Primer for internal woodwork, other than the internal surfaces of external doors, windows and their frames and backs of frames and linings, etc. in contact with masonry, concrete or plaster, shall be leadless white or light grey priming paint not darker than 9-093 of B.S. 4800 which shall be compatible with the subsequent coats and obtained from the same maker.

H.26 Oil paints

Hard gloss, semi-gloss matt and flat oil paints, and respective undercoats, shall be approved quality, as appropriate.

H.27 Polyurethane lacquer

Polyurethane lacquer shall be an approved single pack or two pack lacquer as described of interior or exterior quality, as appropriate.

H.31 Plaster, rendering, concrete blockwork and brickwork

All plaster or mortar splashes, etc shall be removed from plaster rendering, concrete, block, work and brickwork by careful scraping; all holes, cracks, etc., shall be stopped and the whole of the surfaces shall be brushed down to remove dust and loose materials. In addition, all traces of mould oil shall be removed from concrete surfaces by scrubbing with water and detergent and rinsing with clean water to remove all detergent.

H.35 Iron and steel

Before fixing, all rust and scale shall be removed from iron and steel surfaces by wire-brushing, scraping, hammering, flame cleaning etc.

H.37 Hardwood

All dirt and grease shall be removed from hardwood surfaces. After priming, all nail holes and other imperfections shall be stopped.

H.38 Fibreboard

All dirt shall be brushed off from fibreboard surfaces. After priming all nail holes and other imperfections shall be stopped.

H.39 Plywood

Surfaces of plywood to be painted shall be filled as required with a plaster based filler for internal work, and a filler as described in stopping here before for external work, and then rubbed down and all dust and loose materials brushed off.

H.40 Woodwork to be painted

Before fixing woodwork, all surfaces which will be visible after fixing shall be rubbed down and all knots and resin pockets shall be scorched back and coated with knotting.

After priming and fixing, all nail holes and other imperfections shall be stopped and the whole surface shall be rubbed down and all dust brushed off.

H.41 Woodwork to receive clear finish

All holes and other imperfections in surfaces to receive a clear finish shall be stopped and the whole surface shall be rubbed down to a fine satin finish and all dust brushed off.

Workmanship

H.42 Standard of workmanship

Prior to the commencement of internal or external decoration, areas not exceeding 50 square metres in total area, and designated by the Architect, shall be completely decorated, and after approval shall be used as a standard for the whole of the works. Any additional cost involved in carrying out such decoration in advance of the general work shall be deemed to be included in the Contract Sum. Such decorated surfaces shall be made good and touched up as necessary prior to the handing over of the works.

H.43 Stirring of materials

The contents of all cans and containers of all materials must be properly and thoroughly stirred before and during use and shall be suitably strained as and when necessary.

H.44 Manufacturers instructions

All materials shall be used strictly in accordance with instructions issued by the manufacturers concerned. The addition of thinners, driers or other materials will only be permitted when specially required by the maker and the procedure approved by the Architect.

H.45. Brush work

Unless otherwise described, all coatings shall be applied by brush. Written permission must be obtained from the Architect for the application of coatings by spray or roller where not so described, and if permission is granted, such application shall not result in extra cost to the Employer.

SECTION E

SCHEDULE OF CONTRACT DRAWINGS

SCHEDULE OF CONTRACT DRAWINGS

(Contract Drawings may be inspected at the Project Manager's office at any time during official working hours)

SECTION F
PARTICULAR SPECIFICATIONS
OF
MATERIALS AND WORKS

PARTICULAR SPECIFICATIONS

1.0 SITE LOCATION

The site of the proposed works is at **(As stated in the Particular Preliminaries)**

2.0 SCOPE OF WORKS

The works to be carried out under this sub-contract comprise supply, installation, testing and commissioning of the following:-

Electrical Works

This shall include: -

- a. Electrical Installation Works.
- b. Fire Alarm System Works.
- c. Telephone points complete with CAT 5E cable wiring
- d. Computer points.

This shall be as **specified in the bills of quantities and to the approval of the Electrical Engineer.**

3.0 MATERIALS FOR THE WORKS

Materials shall be as specified in Section D and in the Bills of Quantities of this document which shall be read in conjunction with contract drawings. Alternative materials shall be accepted only after approval by the Project Manager.

SECTION G

SCHEDULE OF UNIT RATES

SCHEDULE OF UNIT RATES

1. The tenderer shall insert unit rates against the items in the following schedules and may add such other items as he considers appropriate.
2. The unit rates shall include for supply, transport, insurance, delivery to site, storage as necessary, assembling, cleaning, installing, connecting, profit and maintenance in defects liability and any other obligation under this contract.
3. The unit rates will be used to assess the value of additions or omissions arising from authorised variations to the contract works.
4. Where trade names or manufacturer's catalogue numbers are mentioned in the specification, the reference is intended as a guide to the type of article or quality of material required. Alternative brands of **equal** and **approved** quality will be accepted.

SCHEDULE OF UNIT RATES

O	DESCRIPTION	QTY	UNIT	UNIT RATE	
				KSHS	CTS
	1) Cables:				
	i) supply and install PVC /SWA/ PVC copper Cables:-				
	a) 2 -core 6mm2	1	LM		
	b) 2 -core 10mm2	1	LM		
	c) 4 -core 10mm2	1	LM		
	ii) supply and install PVC single core copper cables:				
	a) 3 x 4.0 sq. mm	1	LM		
	b) 3 x 6.0 sq. mm	1	LM		
	c) 3 x 10 sq. mm	1	LM		
	2) 8 Way SPN Consumer Unit as Crabtree or equivalent.	1	NO		
	3) 6 Way TPN distribution board as Crabtree or equivalent.	1	NO		
	4) 9Way TPN Distribution Board as Crabtree or equivalent	1	NO		
	5) 12 Way TPN distribution board as Crabtree or equivalent.	1	NO		
	6) 100 A SPN isolator as Crabtree.	1	NO		
	7) 240V-24 hour Time switch	1	NO		
	8) 100A Busbar Chamber	1	NO		
	9) Security floodlight 500W(Metal Halogen)	1	NO		
	10) 20ATPN Contactor	1	NO		
	11) FITTINGS:				
	i) 1 x 36w, 1200mm fluorescent fitting c/w decorative louvers as THORN or approved equivalent.	1	NO		
	ii) 2 x 36w, 1200mm fluorescent fitting c/w opal diffuser as THORN CAT. No. PPD24 or approved equivalent.	1	NO		
	iii) 2 x 58w, 1500mm fluorescent fitting c/w louvers as THORN or approved equivalent	1	NO		
	iv) 1x58w, 1500mm fluorescent fitting c/w louvers as THORN or approved equivalent.	1	NO		

SECTION H
BILLS OF QUANTITIES

BILLS OF QUANTITIES

A) PRICING OF PRELIMINARIES ITEMS.

Prices will be inserted against item of preliminaries in the sub-contractor's Bills of Quantities and specification. These Bills are designated as Bill 1 in this Section. Where the sub-contractor fails to insert his price in any item he shall be deemed to have made adequate provision for this on various items in the Bills of Quantities. The preliminaries form part of this contract and together with other Bills of Quantities covers for the costs involved in complying with all the requirements for the proper execution of the whole of the works in the contract.

The Bills of Quantities are divided generally into three sections:-

a) Preliminaries – Bill 1

Sub-contractors preliminaries are as per those described in section C – sub-contractor preliminaries and conditions of contract. The sub-contractor shall study the conditions and make provision to cover their cost in this Bill. The number of preliminary items to be priced by the Tenderer has been limited to tangible items such as site office, temporary works and others. However the Tenderer is free to include and price any other items he deems necessary taking into consideration conditions he is likely to encounter on site.

a) Installation Items and Other Bills - Bill 2

The brief description of the items in these Bills of Quantities should in no way modify or supersede the detailed descriptions in the contract Drawings, conditions of contract and specifications.

The unit of measurements and observations are as per those described in clause 1.05 of the section C.

c) Summary

The summary contains tabulation of the separate parts of the Bills of Quantities carried forward with provisional sum, contingencies and any prime cost sums included. The sub-contractor shall insert his totals and enter his grand total tender sum in the space provided below the summary.

This grand total tender sum shall be entered in the Form of Tender provided elsewhere in this document

B) NOTES FOR BILLS OF QUANTITIES

1. The Bills of Quantities form part of the contract documents and are to be read in conjunction with the contract drawings and general specifications of materials and works.

2. The prices quoted shall be deemed to include for all obligations under the sub-contract including but not limited to supply of materials, labour, delivery to site, storage on site, installation, testing, commissioning and all taxes.

In accordance with Government policy, the 16% V.A.T and 3% withholding Tax **shall be deducted** from all payments made to the tenderer, and the same shall be forwarded to the **Kenya Revenue Authority (KRA)**.

3. All prices omitted from any item, section or part of the Bills of Quantities shall be deemed to have been included to another item, section or part.

4. The brief description of the items given in the Bills of Quantities are for the purpose of establishing a standard to which the sub-contractor shall adhere to. Otherwise alternative brands of **equal** and **approved** quality will be accepted.

Should the sub-contractor install any material not specified here in before receiving **approval** from the Project Manager, the sub-contractor shall remove the material in question and, **at his own cost**, install the proper material.

5. The grand total of prices in the price summary page must be carried forward to the **Form of Tender**.

6. Tenderers may enclose, together with their submitted tenders, **detailed manufacturer's brochures** detailing Technical Literature and specifications of the items they intend to offer.

The brochures shall be used in the tender evaluation to determine the first line aesthetics and quality of fittings offered.

1. Statement of Compliance

I confirm compliance of all clauses of the General Conditions, General Specifications and Particular Specifications in this tender.

I confirm I have not made and will not make any payment to any person, who can be perceived as an inducement to win this tender.

Signed:*for and on behalf of the Tenderer*

Date:

Official Rubber Stamp:

SCHEDULE 1.**SUB-CONTRACT PRELIMINARIES**

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSH S	CTS
1	Discrepancies clause 1.02					
2	Conditions of sub-contract Agreement clause 1.03					
3	Payments clause 1.04					
4	Site location clause 1.06					
5	Scope of Contract Works clause 1.08					
6	Extent of the Contractor's Duties clause 1.09					
7	Firm price contract clause 1.12					
8	Variation clause 1.13					
9	Prime cost and provisional sum clause 3.14 (insert profit and attendance which is a percentage of expended PC or provisional sum.)					
10	Bond clause 1.15					
11	Government Legislation and Regulations clause 1.16					
12	Import Duty and Value Added Tax clause 1.17 (Note this clause applies for materials supplied only. VAT will also be paid by the sub-contractor as allowed in the summary page)					
13	Insurance company Fees clause 1.18					
14	Provision of services by the Main contractor clause 1.19					
15	Samples and Materials Generally clause 1.21					
	SUB-TOTAL CARRIED FORWARD TO PAGE					

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS	CTS
16	Supplies clause 1.20					
17	Bills of Quantities clause 1.23					
18	Contractor's Office in Kenya clause 1.24					
19	Builder's Work clause 1.25					
20	Setting to work and Regulating system clause 1.29					
21	Identification of plant components clause 1.30					
22	Working Drawings clause 1.32					
23	Record Drawings(As Installed) and Instructions clause 1.33					
24	Maintenance Manual clause 1.34					
25	Hand over clause 1.35					
26	Painting clause 1.36					
27	Testing and Inspection – manufactured plant clause 1.38					
28	Testing and Inspection – Installation clause 1.39					
29	Storage of Materials clause 1.41					
30	Initial Maintenance clause 1.42					
31	Attendance Upon Tradesmen, etc. (Insert percentage only) clause 1.58					
	SUB-TOTAL CARRIED FORWARD TO PAGE					

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS	CTS
31	Local and other Authorities notices and fees clause 1.60					
32	Temporary Works clause 1.63					
33	Patent Rights clause 1.64					
34	Mobilization and Demobilization Clause 1.65					
35	Extended Preliminaries Clause 1.66 (see Appendix -clause 1.70)					
36	Supervision by Engineer and Site Meetings Clause 1.67					
37	Allow for profit and Attendance for item 36 above.					
38	Amendment to Scope of Sub-contract Works Clause 1.68					
39	Contractor obligation and Employers Obligation clause 1.69.					
40	Any other preliminaries;					
	Sub-total above Sub-total brought forward from page Sub-total brought forward from page					
	Sub-total For Bill No. 1- PRELIMINARIES- CARRIED FORWARD TO PRICE SUMMARY PAGE					

SECTION I
TECHNICAL SCHEDULE
OF
ITEMS TO BE SUPPLIED

TECHNICAL SCHEDULE

The technical schedule shall be submitted by tenderers to facilitate and enable the Project Manager to evaluate the tenders, especially where the tenderer intends to supply or has based his tender sum on equipment which differs in manufacture, type or performance from the specifications indicated by the Project Manager.

Any tender without this shall be disqualified.

TECHNICAL SCHEDULE OF ITEMS TO BE SUPPLIED
(To be completed by Tenderer)

TEM	DESCRIPTION	TYPE/MAKE	COUNTRY OF ORIGIN
.	Lighting switches		
.	Moulded Socket outlet Plates		
.	Lighting fittings; (i) 4 x 18 w, 600mmx600mm, fluorescent fitting. (ii) 16W, 2D ceiling luminaire. (iii) Eye ball down lighters. (iv) Bulkhead fitting		
.	Consumer Unit.		
.	Telephone plates.		
.	Computer plates.		
.	4 Pair Cat 6E cable.		
.	Trunking		
.	MCBs		
0.	Fire alarm panel		
1.	Smoke Detectors.		
2.	Sounders.		
3.	'BREAK GLASS' unit		
4.	Copper tape		
5.	Copper rod		
6.	Test clamp		
7.	Earth rod		

PRELIMINARIES

ITEM	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
A	<p>PARTICULAR PRELIMINARIES</p> <p>PRICING ITEMS OF PRELIMINARIES</p> <p>Prices SHALL BE INSERTED against items of preliminaries in the tenderers priced Bills o Quantities.</p> <p>Please note that failure to price any item of general or particular preliminaries will be construed to mean that the tenderer wishes to provide for that item free of charge or the same is included within the prices for the Bills of Quantities.</p>				
B	<p>VALUE ADDED TAX</p> <p>The contractor shall allow for addition of 16% Value Added Tax (VAT) at the grand Summary page of these Bills of Quantities. Any omission in respect thereof shall be treated and corrected as an arithmetic error as per the instructions to tenderers.</p> <p>Please note that from every Interim and the Final payment, 16% VAT shall be deducted and paid directly to the Commissioner of Value Added Tax. (VAT).</p>				
	<p>PARTICULAR PRELIMINARIES CARRIED TO COLLECTION PAGE</p>				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
A	<p>FIRM PRICE CONTRACT</p> <p>This is a firm price contract and the Contractor must allow in his tender rates for any increase in the cost of labour and/or materials during the currency of the contract.</p>				
B	<p>SCOPE OF CONTRACT</p> <p>The works to be carried out under the contract comprise PROPOSED CONSTRUCTION OF TUITION BLOCK; WITH ALL ASSOCIATED ELECTRICAL, MECHANICAL AND CIVIL WORKS.</p>				
C	<p>DESCRIPTION OF THE WORKS</p> <p>Site clearing, setting out, construction and completion of CONSTRUCTION OF TUITION BLOCK; AS DESCRIBED.</p>				
D	<p>FLOOR AREA</p> <p>The total gross approximate floor area is The total gross floor area is given without warranty but for guidance only.</p>				
E	<p>MEASUREMENTS</p> <p>In the event of any discrepancies between the Bills of Quantities and the Actual works, the site measurements shall generally take precedence. However, such discrepancies between any contract document shall immediately be referred to the Project Manager.</p> <p>For purposes of this tender, all the works have been measured provisionally and are subject to re – measurement at execution.</p>				
	<p>PARTICULAR PRELIMINARIES CARRIED TO COLLECTION PAGE</p>				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
A	<p>LOCATION OF SITE</p> <p>The site for works is located within:</p> <p>MURANG'A UNIVERSITY OF TECHNOLOGY, MARIIRA CAMPUS, MURANG'A COUNTY</p> <p>The tenderer shall be deemed to have visited the site and familiarized himself with all site conditions prior to submission of tenders.</p>				
B	<p>EXISTING BUILDING SERVICES</p> <p>Special precautions shall be required throughout the contract period to avoid damages to the existing cables, drains and other services.</p> <p>The Contractor shall allow for making good any damage arising from the actions during execution of this contract at his own expense.</p>				
C	<p>GENERAL</p> <p>The Contractor is referred to the General Specifications for Building Works 1976 Edition pages B1 – B2 inclusive and must allow for all costs in complying with these clauses.</p>				
	<p>PARTICULAR PRELIMINARIES CARRIED TO COLLECTION PAGE</p>				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
A	<p>CONTRACT COMPLETION PERIOD</p> <p>The contract completion period in accordance with the conditions of contract must be strictly adhered to.</p> <p>The PROJECT MANAGER shall strictly monitor the Construction progress in relation to the progress chart and should it be found necessary, the PROJECT MANAGER shall inform the Contractor in writing that the actual performance on site is not satisfactory.</p> <p>In all such cases, the Contractor shall accelerate his rate of performance, production and progress by all means such as additional labour, plant, etc and working overtime all at his cost.</p>				
B	<p>WORKING CONDITIONS</p> <p>The Contractor shall allow in his rates for any interference he may encounter in the course of execution of the works for the client may in some cases ask the Contractor not to proceed with the works until some activities within the site are completed.</p>				
C	<p>SIGN BOARD</p> <p>Allow for providing, erecting, maintaining throughout the course of the Contract and afterwards clearing away a signboard as designed, specified and approved by the Project manager.</p>				
D	<p>LABOUR CAMPS</p> <p>The Contractor shall not be allowed to house on site. Allow for transporting workers to and from the site during the tenure of the contract.</p>				
	<p>PARTICULAR PRELIMINARIES CARRIED TO COLLECTION PAGE</p>				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
A	<p>MATERIALS FROM DEMOLITIONS</p> <p>Any materials arising from demolitions and not re-used shall become the property of the government. The Contractor shall allow in his rates the cost of assembling and keeping them in the Government premises.</p>				
B	<p>PRICING RATES</p> <p>The tenderer shall include for all costs in executing the whole of the works, including transport, replacing damaged items, fixing all to comply with the said Conditions of Contract.</p>				
C	<p>TRANSPORT FOR THE PROJECT TEAM</p> <p>The Contractor shall provide during site trips only a 4-wheel drive vehicle of approved make and model to comfortably sit seven (7) persons, including maintaining licenses and insurances and provision of a competent driver, all to the satisfaction of the project manager.</p> <p>The vehicle shall be provided specifically for and during site visits by the Ministry of Public Works project technical team.</p> <p>The vehicle shall be in perfect condition for the duration of the trips to and from Ministry of Public Works, Office, Murang'a to the Site including local running.</p> <p>The driver shall be at the sole discretion of the Project Manager for the site visit day and for the entire duration of the trip until released by him/her.</p> <p>Reimbursement to the contractor for providing the transport services will be based per round trip (to the site and back) during the currency of the contract at the rates quoted below.</p> <p>Allow for providing a vehicle as above described including maintaining licenses and comprehensive insurances (NB: This is not a requirement for a Purchase of a Project Vehicle) 52 No. round trips x Kshs. </p>				
	<p>PARTICULAR PRELIMINARIES CARRIED TO COLLECTION PAGE</p>				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
A					
	PROJECT MANAGEMENT COSTS				
A	Allow a sum of (Kshs. 1,000,000.00) only for Clerk of Works and Supervision Expenses				
B	Include a percentage for the contractor's Administration and profit for the above..... %				
E					
	PARTICULAR PRELIMINARIES CARRIED TO COLLECTION PAGE				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
A	<p>PARTICULARS INSERTIONS TO BE MADE IN APPENDIX TO CONTRACT AGREEMENT</p> <ol style="list-style-type: none"> 1. Period of Final Measurements (3 months from practical completion) 2. Defects Liability Period (6 months from practical completion) 3. Date for Possession (To be agreed with Project Manager) 4. Date for Completion (104 Weeks after Commencement) 5. Liquidated and Ascertained Damages (At the rate of Kshs. 100,000/= per week or part thereof) 6. Period of Issuing Interim Certificates (Monthly) 7. Period of Honouring Certificates (Thirty (30) Days) 8. Percentage Certified value retained (10%) 9. Limit of Retention Fund (10 % of Contract Sum) 10. Bonds (From PPOA Approved Institutions ONLY) 				
	<p>PARTICULAR PRELIMINARIES CARRIED TO COLLECTION PAGE</p>				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
	PARTICULAR PRELIMINARIES				
	<u>COLLECTION</u>				
	Total Brought Forward from Page No.	PP/01			
	Total Brought Forward from Page No.	PP/02			
	Total Brought Forward from Page No.	PP/03			
	Total Brought Forward from Page No.	<i>PP/04</i>			
	Total Brought Forward from Page No.	<i>PP/05</i>			
	Total Brought Forward from Page No.	<i>PP/06</i>			
	Total Brought Forward from Page No.	<i>PP/07</i>			
	Total Brought Forward from Page No.	<i>PP/08</i>			
	PARTICULAR PRELIMINARIES CARRIED TO SUMMARY				

PP/09

ITEM	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
A	<p style="text-align: center;">GENERAL PRELIMINARIES</p> <p>PRICING OF ITEMS PRELIMINARIES AND PREAMBLES</p> <p>Prices will be inserted against items of preliminaries in the Contractor's priced Bill of Quantities and Specifications.</p> <p>The Contractor shall be deemed to have included in his prices or rates for the various items in the Bills of Quantities and Specification for all costs involved in complying with all the requirements for the proper execution of the whole of the works in the Contract.</p>				
B	<p>ABBREVIATIONS</p> <p>Throughout these Bills, units of measurement and terms are abbreviated and shall be interpreted as follows:-</p> <p>C.M. - Shall mean Cubic metre</p> <p>S.M - Shall mean Square metre</p> <p>L.M. - shall mean Linear Metre</p> <p>MM. - shall mean Milimetre</p> <p>KG - shall mean kilogramme</p> <p>NO. - shall mean Number</p> <p>Prs - shall mean Pairs</p> <p>B.S. - shall mean the British Standard Specification Published by the British Standards Institution, 2 park Street, London - England</p> <p>Ditto preceding the description except as qualified in the description in which it occurs.</p> <p>M.S - shall mean measured separately</p> <p>A.B.D. - shall mean as before described.</p> <p>P.M. - shall mean Project Manager</p>				
	<p>GENERAL PRELIMINARIES CARRIED TO COLLECTION PAGE</p>				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
A	<p>The Employer is:</p> <p>THE PRINCIPAL, TURKANA UNIVERSITY COLLEGE</p>				
B	<p>PROJECT MANAGER</p> <p>The term "P.M" whenever used in these Bills of Quantities shall be deemed to imply the Project manager as described in the Conditions of Contract or such person or persons as may be duly authorized to represent him on behalf of the Government.</p>				
C	<p>ARCHITECT</p> <p>The term "Architect" shall be deemed to mean "The P.M" as defined above.</p>				
D	<p>QUANTITY SURVEYOR</p> <p>The term "Quantity Surveyor" shall be deemed to mean "The P.M" as described above.</p>				
E	<p>ELECTRICAL ENGINEER</p> <p>The term "Electrical Engineer" shall be deemed to mean "The P.M" as defined above.</p>				
	<p>GENERAL PRELIMINARIES CARRIED TO COLLECTION PAGE</p>				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
A	<p>MECHANICAL ENGINEER</p> <p>The term “Mechanical Engineer” shall be deemed to mean “The P.M” as defined above.</p>				
B	<p>STRUCTURAL ENGINEER</p> <p>The term “Structural Engineer” shall be deemed to mean “The P.M” as defined above.</p>				
C	<p>FORM OF CONTRACT</p> <p>The form of Contract shall be as stipulated in the Republic of Kenya’s Standard tender Document for Procurement of Building Works (2021 Edition) included herein. The Conditions of contract are also included herein.</p>				
D	<p>Conditions of Contract</p> <p>These are as per these tender documents. Particulars of insertions to be made in the Appendix to the Contract Agreement will be found in the particular preliminaries part of these Bills of Quantities.</p>				
E	<p>BOND</p> <p>THE Contractor shall find and submit on the Form of tender and approved bank and who will be willing to be bound the Government in and amount equal to Five per cent (5%) of the Contract amount for the due performances of the Contract up to the date of completion as certified by PROJECT MANAGER and who will when and if called upon, sign a Bond to that effect on the relevant standard form included herein. (without the addition of any limitations) on the same day as the Contract Agreement is signed, by the Government, the Contractor shall furnish within seven (7) days another surety to the approval of the Government.</p>				
	<p>GENERAL PRELIMINARIES CARRIED TO COLLECTION PAGE</p>				

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

ITEM	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
A	<p>SAMPLES</p> <p>The Contractor shall furnish at his own cost any samples of materials or workmanship including concrete test cubes required for the works that may be called for by the PROJECT MANAGER for his approval until such samples are approved by the PROJECT MANAGER and the Project Manager may reject any materials or workmanship not in his opinion to be up to approved samples. The Project manager shall arrange for the testing of such materials as he may at his discretion, deem desirable, but the testing shall be made at the expense of the Contractor and not at the expense of the Project manager. The Contractor shall pay for the testing in accordance with the current scale of testing charges laid down by the Ministry of Roads, Housing and Public Works.</p> <p>The procedure for submitting samples of materials for testing and the method of marking for identification shall be as laid down by the Project manager. The Contractor shall allow in his tender for such samples and tests except those in connection with nominated sub-contractor's work.</p>				
B	<p>GOVERNMENT ACTS REGARDING WORK PERMIT ETC</p> <p>Allow for complying with all government Acts, Orders and regulations in connection with the employment labour and other matters related to the execution of the works. In particular, the Contractor's attention is drawn to the provisions of the factory Act 1950 and his tender must include for all costs arising or resulting from compliance with any Act, Order or Regulation relating to Insurances, Pensions and Holidays for work people or so the safety, health and welfare of the work people.</p> <p>The Contractor must make himself fully acquainted with current Acts and Regulations, including Police regulations regarding the movement, housing, security and control of labour, labour camps, passes for transport, etc. It is most important that the Contractor, before tendering, shall obtain from the relevant Authority the fullest information regarding all such regulations and/or restrictions which may affect the organization of the works, supply and control of labour, etc and allow accordingly in his tender. No claim in respect of want of knowledge in this connection will be entertained.</p>				
	<p>GENERAL PRELIMINARIES CARRIED TO COLLECTION PAGE</p>				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
A	<p>SECURITY OF WORKS, ETC</p> <p>The Contractor shall be entirely responsible for the security of all the works stores materials plant, personnel, etc both his own and sub-contractor's and must provide all necessary watching, lighting and other precautions as necessary to ensure security against theft, loss or damage and the protection of the public.</p>				
B	<p>PUBLIC AND PRIVATE ROADS</p> <p>Maintain as required throughout the execution of the works and make good any damage to public or private roads arising from or consequent upon the execution of the works to the satisfaction of the local and other competent authority and the Project manager.</p>				
C	<p>EXISTING PROPERTY</p> <p>The Contractor shall take every precaution to avoid damage to all existing property including roads, cables, drains and other services he will be held responsible for and shall make good all such damage arising from the execution of the contract at his expense to the satisfaction of the project manager.</p>				
D	<p>VISIT SITE AND EXAMINE DRAWINGS8</p> <p>The Contractor is recommended to examine the drawings and visit the site the location of which is described in the particular preliminaries hereof. He shall be deeded to have acquainted himself therewith as to its nature, position, means of access or any other matter which, may affect his tender. No claim arising from his failure to comply with this recommendation will be considered.</p>				
E	<p>ACCESS TO SITE AND TEMPORARY ROADS</p> <p>Means of access to the site shall be agreed with the Project manager prior commencement of the work and Contractor must allow for building any necessary temporary access roads approximately 70 metres long) for the transport of the materials, plant and workmen as may be required for the complete execution of the works including the provision of temporary culverts, crossings, bridges, or any other means of gaining access to the site. Upon completion of the works, the Contractor shall remove such temporary access roads, temporary culverts, bridges, etc and make good and reinstate all works and surfaces disturbed to the satisfaction of the Project manager. The Contractor should also allow for relocating existing fence (approximately 30 metres long).</p>				
	<p>GENERAL PRELIMINARIES CARRIED TO COLLECTION PAGE</p>				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
A	<p>AREA TO BE OCCUPIED BY THE CONTRACTOR</p> <p>The area of the site which may be occupied by the Contractor for use of storage and for the purpose of erecting workshops, etc, shall be defined on site by the Project manager.</p>				
B	<p>OFFICE ETC FOR THE PROJECT MANAGER</p> <p>The Contractor shall provide, erect and maintain where directed on site and afterwards dismantle the site office of the type approved by the project manager, complete with furniture. He shall also provide a strong metal trunk complete with hasp and staple fastening and two keys. He shall provide, erect and maintain a lockup type water or bucket closet for the sole use of the PROJECT MANAGER including making temporary connections to the drain where applicable to the satisfaction of the government and medical officer of health and shall provide services of a cleaner and pay all conservancy charges and keep both office and closet in a clean and sanitary condition from commencement to the completion of the works and dismantle and make good disturbed surface. The office and closet shall be completed before the contractor is permitted to commence the works. The contractor shall make available on the site as and when required by the "PROJECT MANAGER" a modern and accurate level together with the leveling staff, ranging rods and 50 metre metallic or linen tape.</p>				
C	<p>WATER AND ELECTRICITY SUPPLY FOR THE WORKS</p> <p>The Contractor shall provide at his own risk and cost all necessary water, electric light and power required for use in the works. The Contractor must make his own arrangements for connection to the nearest suitable water main and for metering the water used. He must also provide temporary tanks and meters as required at his own cost and clear away when no longer required and make good on completion to the entire satisfaction of the Project manager. The Contractor shall pay all charges in connection herewith. No guarantee is given or implied that sufficient water will be available from mains and the Contractor must make his own arrangements for augmenting this supply at his own cost. Nominated sub-contractors are to be made liable for the cost of any water or electric current used and for any installation provided especially for their own use.</p>				
D	<p>SANITATION OF THE WORKS</p> <p>The sanitation of the works shall be arranged and maintained by the Contractor to the satisfaction of the Government and/or Local Authorities, labour Department and the Project Manager</p>				
	<p>GENERAL PRELIMINARIES CARRIED TO COLLECTION PAGE</p>				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
A	<p>SUPERVISION AND WORKING HOURS</p> <p>The works shall be executed under the direction and to the entire satisfaction in all respects of the Project manager who shall at all times during normal working hours have access to the works and to the yards and workshops of the Contractor and Sub-Contractors or other places where work is being prepared for the contract.</p>				
B	<p>PROVISIONAL SUMS</p> <p>The term “Provisional Sum” whenever used in these Bills of Quantities shall have the meaning stated in Section A7 (i) of the Standard method of Measurement and the conditions of Contract. Such sums are net and no addition shall be made to them for profit.</p>				
C	<p>PRIME COST (OR P.C.) SUMS</p> <p>The term “Prime Cost” or “P.C. Sum” whenever used in these Bills of Quantities shall have the meaning stated in Section A item A7 (ii) of the Standard Method of Measurement and the conditions of contract. Persons or firms nominated by the Project Manager to exercise work or to provide and fix materials or goods as stated in the Conditions of Contract are described herein as Nominated Sub-Contractors. Persons of firms so nominated to supply goods or materials are described herein as Nominated Suppliers.</p>				
D	<p>PROGRESS CHART</p> <p>The Contractor shall provide within two weeks of Possession of site and in agreement with the Project Manager a progress Chart for the whole of the works including the works of Nominated Sub-Contractors; one copy to be handed to the Project manager and a further copy to be retained on site. Progress to be recorded and chart to be amended as necessary as the work proceeds.</p>				
	<p>GENERAL PRELIMINARIES CARRIED TO COLLECTION PAGE</p>				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
A	<p>ADJUSTMENT OF P.C. SUMS</p> <p>In the final account all P.C. sums shall e deducted and the amount properly expended upon the Project manager’s order in respect of each of them added to the Contract sum. The Contractor shall produce to the Project manager such quotations, invoice or bills, properly receipted as may be necessary to show the actual details of the sums paid by the Contractor. Items of profit upon P.C Sums shall be adjusted in the final account pro-rata to the amount paid. Items of “attendance” (as previously described0 following P.C Sums shall amount paid) and this shall apply even though the Contractor’s priced Bill shows a percentage in the rate column in respect of them.</p> <p>Should the Contractor be permitted to tender and his tender be accepted of any work for which a P.C. Sum is included in these Bill of Quantities profit and attendance will be allowed at the same rate as it would be if the work were executed by a Nominated Sub-Contractor.</p>				
B	<p>ADJUSTMENT OF PROVISIONAL SUMS</p> <p>In the final account, all Provisional sums shall be deducted and the value of the work properly executed in respect of them upon the Project manager’s order added to the Contract Sum. Such work shall be valued as described for variations in the Conditions of Contract, but should any part of the work be executed by a Nominated Sub-Contractor, the value of such work or articles for the work to be supplied by a Nominated Supplier, the value of such work or articles shall be treated as a P.C Sum and profit and attendance comparable to that contained in the priced Bills of Quantities for similar items added.</p>				
C	<p>NOMINATED SUB-CONTRACTORS</p> <p>When any work is ordered by the Project manager to be executed by nominated sub-contractors, the Contractor shall enter into sub-contracts as described in the Conditions of Contract and shall thereafter be responsible for such sub-contractors in every respect. Unless otherwise described, the Contractor is to provide for such sub-contractors any or all of the facilities described in these preliminaries. The Contractor should price for these with the nominated sub-contract Contractors work concerned in the P.C. Sums under the description “add for Attendance”.</p>				
	<p>GENERAL PRELIMINARIES CARRIED TO COLLECTION PAGE</p>				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
A	<p>DIRECT CONTRACTS</p> <p>Notwithstanding the foregoing conditions, the Government reserves the right to place a "Direct Contract" for any goods or services required in the works which are covered by a P.C. Sum in the Bills of Quantities and to pay for the same direct. In any such instances, profit relative to the P.C. Sum the priced Bills of Quantities will be adjusted as described for P.C. Sums and allowed.</p>				
B	<p>ATTENDANCE UPON OTHER TRADESMEN, ETC</p> <p>The Contractor shall allow for the attendance of trade upon trade and shall afford any tradesmen or other persons employed for the execution of any work not included in this Contract every facility for carrying out their work and also for use of his ordinary scaffolding. The Contractor, however, shall not be required to erect any special scaffolding for them. The Contractor shall perform such cutting away from and making good after the work of such tradesmen or persons as may be ordered by the Project manager and the work will be measured and paid for to the extent executed at rates provided in these Bills.</p>				
C	<p>INSURANCE</p> <p>The Contractor shall insure as required in Conditions Nos. 30 of the Conditions of Contract. No payment on account of the work executed will be made to the Contractor until he has satisfied the Project Manager either by production of an Insurance Policy or and Insurance Certificate that the provision of the foregoing Insurance Clauses have been complied with in all respects. Thereafter the Project Manager shall from time to time ascertain that premiums are duly paid up by the Contractor who shall if called upon to do so, produce the required premium renewals for the Project manager's inspection.</p>				
D	<p>PROVISIONAL WORK</p> <p>All work described as "Provisional" in these Bills of Quantities is subject to re-measurement in order to ascertain the actual quantity executed for which payment will be made. All "Provisional" and other liable to adjustment under this Contract shall left uncovered for a reasonable time to allow all measurements needed for such adjustment to be taken by the Project Manager immediately the work is ready for measuring, the Contractor shall give notice to the Project manager. If the Contractor makes default in these respects, he shall if the Project manager so directs, uncover the work to enable all measurements to be taken and afterwards reinstate at his own expense.</p>				
	<p>GENERAL PRELIMINARIES CARRIED TO COLLECTION PAGE</p>				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
A	<p>ALTERATIONS TO BILLS, PRICING, ETC Any unauthorized alteration or qualification made to the text of the Bills of Quantities may cause the Tender to be disqualified and will in any case be ignored. The Contractor shall be deemed to have made allowance in his prices generally to cover any items against which no price has been inserted in the priced Bills of Quantities. All items of measured work shall be priced in detail and the tenders containing Lump Sums to cover trades or groups of work must be broken down to show the prices of each item before they will be accepted.</p>				
B	<p>BLASTING OPERATIONS Blasting will only be allowed with the express permission of the Project Manager in writing. All blasting operations shall be carried out at the Contractor's sole risk and cost in accordance with any Government regulations in force for the time being, and any special regulations laid down by the Project manager governing the use and storage of explosives.</p>				
C	<p>MATERIALS ARISING FROM EXCAVATIONS Materials of any kind obtained from the excavations shall be the property of the Government. Unless the Project Manager directs otherwise such materials shall be dealt with as provided in the Contract. Such materials shall only be used in the works, in substitution of materials which the Contractor would otherwise have had to supply with the written permission of the Project Manager should such permission be given, the Contractor shall make due allowance for the value of the materials so used at a price to be agreed.</p>				
D	<p>PROTECTING OF THE WORKS Provide protection of the whole of the works contained in the bills of Quantities, including casing, casing up, covering or such other means as may be necessary to avoid damage to the satisfaction of the Project Manager and remove such protection when no longer required and make good any damage which may nevertheless have been done at completion free of cost to the Government.</p>				
	<p>GENERAL PRELIMINARIES CARRIED TO COLLECTION PAGE</p>				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
A	<p>REMOVAL OF RUBBISH, ETC Removal of rubbish and debris from the buildings and site as it accumulates and at the completion of the works and remove all paint, scaffolding and unused materials at completion.</p>				
B	<p>WORKS TO BE DELIVERED UP CLEAN Clean and flush all gutters, rainwater and waste pipes, manholes and drains, wash (except where such treatment might cause damage) and clean all floors, sanitary fittings, glass inside and outside and any other parts of the works and remove all marks, blemishes, stains and defects from joinery, fittings and decorated surfaces generally, polish door furniture and bright parts of metalwork and leave the whole of the buildings watertight, clean, perfect and fit for occupation to the approval of the Project Manager.</p>				
C	<p>FIRM PRICE CONTRACT Unless otherwise specifically stated in the particular Preliminaries, this is a firm price contract and the Contractor must allow in his tender rates for any increase in the cost of labour and/or materials during the currency of the contract.</p>				
D	<p>GENERAL SPECIFICATION For the full description of materials and workmanship, method of execution of the work and notes for pricing, the Contractor is referred to the Ministry of Roads and Public Works and Housing general Specification dated 1976 or any subsequent revision thereof which is issued as a separate document, and which shall be allowed in all respects unless it conflicts with the General Preliminaries, Trade Preambles or other items in these Bills of Quantities.</p>				
E	<p>TRAINING LEVY The Contractor's attention is drawn to the legal notice which requires payment by the Contractor of a Training Levy at the rate of ¼ % of the Contract Sum on all contracts of more than Kshs. 1,000,000.00 in value.</p>				
	<p>GENERAL PRELIMINARIES CARRIED TO COLLECTION PAGE</p>				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
A	<p>MATERIALS ON SITE</p> <p>All materials for incorporation in the works must be stored on or adjacent to the site before payment is effected unless specifically exempted by the Project manager. This includes the materials of the main Contractor, Nominated Sub-Contractor and Nominated Suppliers.</p>				
B	<p>HOARDING</p> <p>The Contractor shall enclose the site or part of the works under construction with a hoarding 2400 mm high consisting of gauge 30 iron sheets on 100 x 50 mm cypress timber posts firmly secured at 1800 mm centres with two 75 x 50 mm timber rails required with 2 No. vehicular gates and 1 No pedestrian gate. The Contractor is in addition required to take all precautions necessary for the safe custody of the works, materials, paint, public and employer's property on the site.</p>				
C	<p>CONTRACTORS SUPERINTENDENCE / SITE AGENT</p> <p>The Contractor shall constantly keep on the works a literate English Speaking Agent or representative, competent and experienced in the kind of work involved who shall give his whole experience in the kind of work involved and shall give his whole time to the superintendence of the works. Such agent or representative shall receive on behalf of the Contractor all directions and instructions from the Project Manager and such directions shall be deemed to have been given to the Contractor in accordance with the Conditions of Contract.</p>				
D	<p>COPYRIGHT</p> <p>The Copyright of these documents is vested in Chief Quantity Surveyor, Ministry of Public Works. No part of this document may be reproduced in any form or by any means without their prior permission.</p>				
	<p>GENERAL PRELIMINARIES CARRIED TO COLLECTION PAGE</p>				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
	<p>GENERAL PRELIMINARIES</p> <p><u>COLLECTION</u></p>				
	Total Brought Forward from Page No.	GP/01			
	Total Brought Forward from Page No.	GP/02			
	Total Brought Forward from Page No.	GP/03			
	Total Brought Forward from Page No.	GP/04			
	Total Brought Forward from Page No.	GP/05			
	Total Brought Forward from Page No.	GP/06			
	Total Brought Forward from Page No.	GP/07			
	Total Brought Forward from Page No.	GP/08			
	Total Brought Forward from Page No.	GP/09			
	Total Brought Forward from Page No.	GP/10			
	Total Brought Forward from Page No.	GP/11			
	Total Brought Forward from Page No.	GP/12			
	Total Brought Forward from Page No.	GP/13			
	<p>GENERAL PRELIMINARIES</p> <p>CARRIED TO SUMMARY</p>				

ITEM	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
	<p><u>SUMMARY OF PRELIMINARIES</u></p> <p>PARTICULAR PRELIMINARIES from Page</p> <p>GENERAL PRELIMINARIES from Page</p>	<p>PP/09</p> <p>GP/14</p>			
	<p>PARTICULAR & GENERAL PRELIMINARIES CARRIED TO GRAND SUMMARY</p>				

BILLS OF QUANTITIES

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<p><u>BUILDERS WORKS</u></p> <p><u>ELEMENT NO.1</u></p> <p><u>SUBSTRUCTURES</u></p> <p><u>(ALL PROVISIONAL)</u></p> <p>NOTE; (I) All work measured under this element is up to and including the floor slab but excluding the finishes thereon.</p>				
A	Clear the site of all bush scrub undergrowth and small trees grub up roots and cart away or burn all arising (approx. area 4267 sq. sm)		ITEM		
	<u>Excavations and earthworks</u>				
B	Excavate oversite average 200mm deep to remove vegetable soil load up wheel and deposit about 100metres away and later spread and level on site where directed	4267	SM		
C	Bulk Excavate to reduce levels not exceeding 1.50 metres deep commencing at stripped level	2992	CM		
D	Bulk Excavate to reduce levels exceeding 1.5 metres but not exceeding 3.0 metres deep commencing at reduced level	2992	CM		
E	Excavate for strip foundation trenches / retaining walls occurring not exceeding 1.5metres deep commencing from reduced level	658	CM		
F	Ditto in Lift shaft bases	20	CM		
G	Excavate for column bases occurring not exceeding 1.5metres deep commencing from reduced level	1386	CM		
H	<u>Extra over</u> excavations for excavating in rock irrespective of class; including in compacted hardcore / reinforced concrete	390	CM		
J	Allow for keeping excavations free from mud and all water including spring and running water by pumping pailing or other approved means.		ITEM		
K	Allow for planking and strutting to sides of excavations		ITEM		
	Carried to Collections				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<u>Disposal</u>				
A	Load surplus excavated material and cart away from site approximately 100 meters away; later cart away	3018	CM		
	<u>Filling</u>				
B	Return fill and ram selected excavated material around foundations.	5030	CM		
	<u>Hardcore as described</u>				
C	300mm Thick layer of imported hardcore filling including levelling and consolidating in 150mm layers	2992	CM		
	<u>Blinding</u>				
D	50mm Thick Quarry dust blinding to the surface of hardcore;rolled smooth to receive polythene sheeting(m.s)	2992	SM		
	<u>Insecticide treatment</u>				
E	'TERMIDOL" or other equal and approved chemical insecticide treatment prepared and applied according to the manufacturer's printed instructions.	2992	SM		
	<u>Damp proof membrane</u>				
F	500 Gauge polythene or other equal and approved plastic sheet damp proof membrane laid over blinding(measured nett - allow for laps)	2992	SM		
	<u>In-situ concrete work</u>				
	<u>Mass concrete (1:3:6/38-38mm aggregate)</u>				
G	50mm Thick blinding under strip foundations	306	SM		
H	Ditto under lift shaft foundations	9	SM		
H	Ditto under Retaining wall foundations	201	SM		
J	Ditto under column bases	924	SM		
	Carried to Collections				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<u>Vibrated reinforced concrete</u> <u>(1:1¹/₂:3 / 25 - 20mm aggregate) as described in:</u>				
A	Strip foundations / Retaining wall base / Ground beams	267	CM		
B	Lift shaft bases and walls	13	CM		
C	Column bases	471	CM		
D	Columns	47	CM		
E	Steps / Ramps	27	CM		
F	Retaining walls	228	CM		
G	150 mm Thick ground floor slab	2992	SM		
	<u>Steel reinforcement</u>				
	<u>Supply and fix bars reinforcement</u> <u>including bending, hooks,</u> <u>tyingwire, cutting spacers and</u> <u>supporting all in position as described.</u>				
	<u>High tensile square twisted bars to B.S.446:</u>				
H	8 mm Diameter	6217	KG.		
J	10 mm Diameter	13330	KG.		
K	12 mm Diameter	21444	KG.		
L	16 mm Diameter	52832	KG.		
M	20 mm Diameter	19282	KG.		
N	25 mm Diameter	9147	KG.		
	<u>Mesh reinforcement</u>				
P	Fabric mesh reinforcement to B.S. 4483 ref: A142 including laps tyingwire and spacer blocks complete(measured nett-allow for laps)	2992	SM		
	<u>Sawn formwork as described to:</u>				
Q	Vertical sides of strip foundations / retaining wall / ground beams	856	SM		
R	Vertical sides of lift shaft bases and walls	42	SM		
S	Vertical sides of Column bases	838	SM		
T	Vertical sides of Columns	394	SM		
U	Vertical sides of retaining walls	660	SM		
V	Edge of floor slab 75-150mm high	328	LM		
	Carried to Collections				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<u>Foundation walling</u>				
A.	200mm Thick rough chisel dressed natural stone walling bedded and jointed in cement and sand (1:3) mortar and reinforced with and including 20swg x 25mm wide hoopiron in every alternate course	2149	SM		
	<u>Plinth area finishes</u>				
B	12mm Thick cement and sand (1:3) wood float render to plinth area	138	SM		
C	Prepare and apply three coats black bitumastic paint to rendered area	138	SM		
	<i>Carried to collection</i>	<i>below</i>			
	<u>COLLECTION</u>				
	Brought Forward from Page No. BW		1		
	Brought Forward from Page No. BW		2		
	Brought Forward from Page No. BW		3		
	Brought Down from Page No. BW		4		
			Above		
	<u>TOTAL FOR ELEMENT NO. 1</u>				
	<u>SUBSTRUCTURES</u>				
	<i>CARRIED TO SUMMARY</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<u>ELEMENT NO.2</u>				
	<u>REINFORCED CONCRETE FRAME</u> <u>(ALL PROVISIONAL)</u>				
	<u>Vibrated reinforced concrete</u> <u>(1:1¹/₂:3 / 25 - 20mm aggregate) as described in:</u>				
A	Beams	823	CM		
B	Columns	213	CM		
C	Ramps / steps	182	CM		
D	Staircases; generally	72	CM		
E	Concrete gutters; generally	62	CM		
F	Lift shaft walls / slabs	44	CM		
G	175 mm thick suspended slabs/ landings	8578	SM		
	<u>Steel reinforcement</u>				
	<u>Supply and fix steel bars reinforcement including</u> <u>bending, hooks, tying wire, cutting, spacer blocks and</u> <u>supporting all in position</u>				
	<u>High tensile square twisted bars to B.S. 4461 as described</u> <u>in:</u>				
H	8 mm Diameter	25448	KG.		
J	10 mm Diameter	135103	KG.		
K	12 mm Diameter	35903	KG.		
L	16 mm Diameter	73482	KG.		
M	20 mm Diameter	24685	KG.		
N	25 mm Diameter	34644	KG.		
	<u>Sawn formwork as described to :</u>				
P	Sides and soffits of ringbeam/beams	6427	SM		
Q	Sides of columns	2469	SM		
R	Sides and soffittes of concrete gutters	403	SM		
S	Sides and soffittes of lift walls / slabs	432	SM		
T	Staircases; generally	448	SM		
U	Ramps, generally	601	SM		
V	Soffittes of slabs / landings	8578	SM		
W	Edges of slabs / steps 75-150mm girth high	685	LM		
	<u>TOTAL FOR ELEMENT NO. 2</u>				
	<u>R.C. SUPERSTRUCTURE</u>				
	<u>CARRIED TO SUMMARY</u>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<u>ELEMENT NO. 3</u>				
	<u>WALLING (ALL PROVISIONAL)</u>				
	<u>Fine chiselled natural stone walling bedded and jointed in cement and sand (1:3) mortar and reinforced with and including 20swg x 25mm wide hoopiron; with horizontal keys externally; internally left plain ready for plaster (m.s). To include parapet walls, gambles and the like where applicable:</u>				
A	200 mm Thick reinforced in every third course	6420	SM		
B	E. o walling for 200 x 200 mm stone piers	0	LM		
C	100 mm Thick reinforced in every third course	1005	SM		
	<u>Precast concrete louvered vent Walling ; bedded and jointed in cement and sand (1:3) mortar and reinforced with and including 20swg x 25mm wide hoopiron</u>				
D	200mm Thick reinforced in every third course	96	SM		
	<u>Horizontal damp proof course ; one layer of 3 - ply bituminous felt or other equal and approved (measured nett - allow for laps)</u>				
E	200mm Wide levelled and bedded in cement and sand (1:3) mortar under walls	530	LM		
F	100 mm Wide levelled and bedded in cement and sand (1:3) mortar under walls	64	LM		
	<u>Precast Concrete Units</u>				
G	350 x 50 mm throated slanted precast concrete coping laid and jointed in cement and sand (1:3) mortar above walls; reinforced as necessary	160	LM		
H	75 mm thick x 1000 mm wide x 3000 mm high precast concrete sunbreaker fins reinforced in Y 10 mm bars at 150 mm centres, both ways	155	NO.		
	<u>TOTAL FOR ELEMENT NO. 3 WALLING</u> <u>CARRIED TO SUMMARY</u>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<u>ELEMENT NO. 4</u>				
	<u>ROOFING AND RAIN WATER DISPOSAL</u>				
	<u>(ALL PROVISIONAL)</u>				
	<u>CONSTRUCTION</u>				
	<u>The following in triangular steel trusses; fabricated from Standard RHS sections; including all drillings, weldings, bolts, threads, fixing plates, and joint accessories; smooth ground joints; priming and painting in 3 coats gloss oil paint; and hoisting approximately 15.00 m from ground level; Contractor to prepare shop drawings and fabrication details and have them approved by the Project Manager before fabrication:</u>				
A	75 x 75 x 4 mm (8.50 Kg / Lm) SHS Wall plate on and including 10mm cement and sand (1;4) mortar bed secured to reinforced concrete ring beam (m.s) by mild steel anchor bolts and approved plates	910	KG		
B	75 x 75 x 4 mm (8.50 Kg / Lm) SHS trussed rafter, Tie beams and the like	9348	KG		
C	50 x 50 x 3 mm (4.43 Kg / Lm) SHS Struts / ties	6798	KG		
D	16 mm diameter (1.591 Kg / Lm) Anti- sag rods	2912	KG		
E	150 x 50 x 2 mm (5.29 Kg / Lm) Z - Purlins	9707	KG		
F	75 x 50 x 3 mm (3.7 Kg / Lm) RSA angle line bracings	3700	KG		
	Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<p><u>Covering</u></p> <p><u>Approved gauge 28 IT5 roofing sheets laid onto Z-Purlins (m.s) at approved centres:</u></p>				
A	Laid in approved pattern;	2903	SM		
B	Raking cutting to ditto	230	LM		
C	300mm socketed angle ridge or valley to match	80	LM		
	<p style="text-align: center;"><u>Wrot cypress</u></p>				
D	25 x 225 mm Fascia board fixed to ends of rafters (m.s)	0	LM		
	<p style="text-align: center;"><u>Sundries</u></p>				
E	12 mm Diameter x 600 mm long black mild steel anchor bolt embedded 180 mm deep in ring beam at 1500 mm cc including drilling holes in steel	80	NO		
F	200 X 200 x 6 mm Thick galvanised mild steel nailing cleat once bent to form angle : ten times drilled, One flange nailed foot of rafter (m.s), other welded to top of wall plate (m.s)	80	NO		
G	600 mm gauge 24 galvanized iron flashing embedded into concrete and or masonry	160	LM		
	Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<u>Eaves Treatment:</u>				
A	100 X 25 mm Wrot cypress T & G boarding nailed to and including 50 x 50 mm and 75 x 50 mm framing sections sawn cypress bandering at 600mm centers both directions; complete with matching cornices	0	SM		
B	<u>Extra over</u> T&G boarding for forming removable access trap door size 750 x 750mm with 100 x 50mm sawn treated cypress trimming joists 120 x 25mm wrot cyprss frame all round and 12mm T&G removable panel set loose on top of framing	0	NO		
	<u>Approved quality Cypress cornice</u>				
C	100 x 25 mm PVC cornice	0	LM		
D	Prepare and apply three coats polyrethane clear vanish to surfaces of T & G	-	SM		
E	Extra over boarding for forming vent size 300x450mm including mosquito gauze	-	NO		
	<u>Rain Water disposal</u>				
	<u>The following in G24 Galvanised mild steel</u>				
F	150 X 150 mm Mild square box gutter fixed to fascia board with and including approved pattern brackets at 1000 mm cc	-	LM		
G	<u>Extra over</u> gutter for stopped end piece with 150 mm diameter outlet	0	NO		
H	150 diameter x 3 mm Thick cold rolled steel pipe fixed to natural stone walling with and including mild steel brackets 600mm centres	360	LM		
J	<u>Extra over</u> down pipe for 150 mm diameter swan neck wall off set	18	NO		
	Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
A	<u>Extra over</u> down pipe for 150 mm diameter rain water shoe	18	NO		
B	<u>Extra over</u> down pipe for 150 mm diameter rain fulboras	18	NO		
	<u>Painting</u>				
	<u>Prime only back of wood before fixing</u>				
C	Surfaces 100-200mm girth	0	LM		
	<u>Knot prime stop and prepare and apply one under coat and two finishing coats of gloss oil paint to:</u>				
D	General surfaces of steel fascia 200 - 300mm girth	0	LM		
	<u>Prepare and apply one coat of calcium plumbate and two coats of gloss oil paint to :-</u>				
E	General surfaces metal	180	SM		
	<i>Carried to collection</i>				
	<u>COLLECTION</u>				
	Brought Forward from Page No. BW		7		
	Brought Forward from Page No. BW		8		
	Brought Forward from Page No. BW		9		
	Brought Down from		Above		
	<u>TOTAL FOR ELEMENT NO. 4</u> <u>ROOFING AND RAINWATER DISPOSAL</u> <u>CARRIED TO SUMMARY</u>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
A	<p><u>ELEMENT NO. 5</u></p> <p><u>EXTERNAL WALL FINISHES</u> (ALL PROVISIONAL)</p> <p>12mm thick cement,sand render,with wood float finish , as described to:-</p> <p>Masonry surfaces of walls, concrete beams, columns, gutters, fins, windows / door reveals and the like</p> <p><u>Painting and decorations</u></p> <p><u>Prepare and apply one undercoat and two finishing coats " Wall master " or equivalent textured 3 mm thick exterior quality emulsion paint on:-</u></p>	2420	SM		
B	<p>Fair faced surfaces of walls, concrete beams, columns, gutters, fins, windows / door reveals and the like</p>	2420	SM		
	<p><u>TOTAL FOR ELEMENT NO. 5</u> <u>EXTERNAL WALL FINISHES</u> <i>CARRIED TO SUMMARY</i></p>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<u>ELEMENT NO. 6</u>				
	<u>INTERNAL WALL FINISHES</u> (ALL PROVISIONAL)				
A	Prepare surfaces, apply 12mm thick gauged lime plaster (1:2:9) in two coats finished with steel trowel on natural stone walling and beams	7757	SM		
B	10mm Thick cement and sand (1:4) screed finished to receive glazed tiling	1574	SM		
	<u>250 x 600 x 6 mm Thick coloured glazed Porcelain wall tiles jointed and pointed with matching white cement</u>				
C	Tiling on walls, with matching dividing strips, chrome plated edge finish on all exposed edges and corners	1574	SM		
	<u>Painting and decorations</u>				
	<u>Prepare and apply one undercoat and two finishing coats plastic Vinyl matt or equivalent emulsion paint on:-</u>				
H	Plastered surfaces	7757	SM		
J	Gypsum board partitions	0	SM		
	<u>TOTAL FOR ELEMENT NO. 6</u> <u>INTERNAL WALL FINISHES</u> <u>CARRIED TO SUMMARY</u>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<u>ELEMENT NO. 7</u>				
	<u>FLOOR FINISHES</u> (ALL PROVISIONAL)				
	<u>Insitu cement and sand (1:3) screeded beds ,with steel trowelled finish, on concrete</u>				
A	25 mm thick screed; to receive APP membrane	847	SM		
B	Ditto 25 x 100 mm high skirting	280	LM		
	<u>Insitu cement and sand (1:3) screeded beds ,with wood trowelled finish, on concrete</u>				
C	25 mm screed to receive ceramic floor tiles (ms)	8708	SM		
D	25 mm screed to receive epoxy floor tiles (ms)	1802	SM		
E	25 mm screed to receive floor terrazzo floor finish / including risers (ms)	0	SM		
	<u>600 x 300 x 8 mm Thick floor "Saj" or equivalent quality approved non - slip rustic ceramic floor tiles jointed and pointed with matching white cement</u>				
F	Tiling	8708	SM		
G	Ditto 100 mm high skirting	6218	LM		
	<u>6 mm Thick quality approved colour epoxy floor finish laid in accordance to the manufacturer's printed instructions</u>				
H	Tiling	1802	SM		
J	Ditto 100 mm high skirting	675	LM		
K	Textured Stair case tiles, with non - slip grooves at the edges and including risers	0	SM		
	<u>Terrazzo (1:3) with approved coloured chippings, ground and polished smooth, including approved plastic dividing strips and non slip carborandums on staircase treads and ramps:</u>				
L	15 mm thick paving in floors / risers	0	SM		
M	Ditto 100 mm high skirting	0	LM		
	<u>5 mm thick APP membrane; laid in accordance to the Manufacturer's printed instructions and to the approval of the Architect to :</u>				
N	in concrete gutters / floors / risers	847	SM		
	<u>TOTAL FOR ELEMENT NO. 7</u>				
	<u>FLOOR FINISHES</u>				
	<u>CARRIED TO SUMMARY</u>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<u>ELEMENT NO. 8</u>				
	<u>CEILING FINISHES</u> (ALL PROVISIONAL)				
	<u>Insitu cement sand lime (1:1:6) plaster,with steel trowelled finish,on concrete</u>				
A	12mm thick plaster trowelled smooth	8278	SM		
	<u>Gypsum board ceiling</u>				
B	Gypsum board ceiling screwed to and including approved gauge 50 x 50 mm galvanized iron channels and studs as appropriate at 600 mm centers both ways; Allow for approved gypsum jointing tape between boards and all the necessary sanding and surface preparation in readiness for painting (m.s)	1520	SM		
C	<u>Extra over</u> Gypsum ceiling for forming removable access trap door size 750 x 750mm with 100 x 50mm sawn treated cypress trimming joists 120 x 25mm wrot cyprss frame all round and 12mm Gypsum board removable panel set loose on top of framing	6	NO		
	<u>Approved matching gypsum cornice; prepared clean:</u>				
D	150 x 50 mm moulded cornice with 4 labours	402	LM		
	<u>Painting & decorations</u>				
E	Prime only back of timber before fixing surfaces not exceeding 100mm girth	402	LM		
	<u>Knot prime and stop and prepare and apply three coats first quality Vinyl matt or equivalent emulsion paint to :</u>				
F	Soffittes of plastered concrete slabs	8278	SM		
G	Gypsum board ceiling	1520	SM		
H	Timber surfaces not exceeding 100 - 200 mm girth	402	LM		
	<u>TOTAL FOR ELEMENT NO. 8</u>				
	<u>CEILING FINISHES</u>				
	<u>CARRIED TO SUMMARY</u>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<u>ELEMENT NO. 9</u>				
	<u>WINDOWS</u> <u>(ALL PROVISIONAL)</u>				
A	175 x 75 mm thick precast concrete window; weathered and throated	756	LM		
	<u>Prime grade wrot cypress</u>				
B	125 x 25mm window board with one labour.	756	LM		
C	25mm quadrant bead	756	LM		
D	Pelmet boxes in 25 x 150mm bull-nosed top, 25 x 150mm fascia with 8 labours; complete with 19 x 50mm cypress bearer plugged to wall; including ends	0	LM		
	<u>Accessories.</u>				
E	25 mm diameter chrome plated curtain rail complete with brackets, rings, rollers and all other necessary accessories.	756	LM		
	<u>Painting</u>				
F	Prepare and apply three coats of gloss oil paint to timber pelmet boxes. 200 -300mm girth	0	LM		
G	Ditto window board surfaces 100 - 200mm girth	756	LM		
H	Ditto; not exceeding 100mm girth	756	LM		
	<u>Steel Casement Windows</u>				
	<u>Standard steel window casements in 25 mm Z - sections, flat bars and tube sections where necessary; complete with hinges, stays, fasteners, permanent vent with mosquito gauze and sheet metal hood etc assembled and fixed to opening including cutting and pinning lugs to concrete or blockwork surround and bedding frame in cement and sand mortar (1:4) (Burglar proofing grilles included where necessary)</u>				
J	Window Size 2400 x 1500 mm high	255	NO		
K	Window Size 1500 x 1500 mm high	20	NO		
L	Window Size 1500 x 600 mm high	76	NO		
	Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<p><u>GLASS & GLAZING TO METAL WITH PUTTY</u></p> <p><u>Clear sheet Glass</u></p> <p>A 4 mm thick one way tinted at selected areas</p> <p><u>Obscure sheet Glass</u></p> <p>B 5 mm thick</p> <p><u>Prepare and apply two undercoats and one finishing coat gloss oil paint to</u></p> <p>C Steel window surfaces / grilles; measured generally</p> <p>Carried to collection</p> <p><u>COLLECTIONS</u></p> <p>Brought Forward from Page No. BW</p> <p>Brought Down from</p>	<p>963</p> <p>69</p> <p>2064</p>	<p>SM</p> <p>SM</p> <p>SM</p> <p>15</p> <p>16 Above</p>		
	<p><u>TOTAL FOR ELEMENT NO. 9</u></p> <p><u>WINDOWS</u></p> <p><i>CARRIED TO SUMMARY</i></p>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<p><u>ELEMENT NO. 10</u></p> <p><u>DOORS</u> <u>(ALL PROVISIONAL)</u></p> <p><u>Steel Casement Doors</u></p> <p><u>Standard door complete with hinges, permanent vent with mosquito gauze and sheet metal hood etc assembled and fixed to opening including cutting and pinning lugs to concrete or blockwork surround and bedding frame in cement and sand mortar (1:4) (Grille, 3 lever "Union" or approved equivalent steel lock and Glazing included)</u></p>				
A	Door Overall size 2400 x 2400 mm high; Double leaf door	0	NO		
B	Door Overall size 1800 x 2400 mm high; Double leaf door	0	NO		
C	Door Overall size 900 x 2400 mm high; Single leaf door	0	NO		
	<p><u>Solid Panel Mahogany doors:</u></p>				
D	50 mm thick single -leaf size 900 X 2400 mm overall high with 6 No. raised panels both sides; complete with a 5 mm thick glazed fanlight top size 900 x 300 mm high	64	NO		
E	50 mm thick double -leaf size 1500 X 2400 mm overall high with 12 No. raised panels both sides; complete with a 5 mm thick glazed fanlight top size 1500 x 300 mm high	77	NO		
	<p><u>Solid core Veneered flush doors:</u></p>				
F	50 mm thick single -leaf size 900 X 2400 mm overall high quality 4 mm thick veneer facing ; complete with a 5 mm thick glazed fanlight top size 900 x 300 mm high	145	NO		
	<p><u>Folding / collapsible door:</u></p>				
G	50 mm thick folding door in 20 No. veneered door size 900 X 2400 mm overall with high quality 4 mm thick plywood facing; complete with folding, sliding mechanism, rollers, u-shaped bottom and top sliding rails	1	NO		
	<p><u>Semi solid core flush doors:</u></p>				
H	50 mm thick single -leaf size 900 X 2400 mm overall with high quality 4 mm thick plywood facing ; complete with a 5 mm thick glazed fanlight top size 900 x 300 mm high	0	NO		
	Carried to Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<u>Door Frames</u>				
	<u>Wrot Cypress backs primed before fixing in zinc chromate wood primer:</u>				
A	150 x 50 mm Frame once rebated	827	LM		
B	150 x 50 mm transome twice rebated	145	LM		
C	45 x 25 mm architrave with one labour	827	LM		
D	25mm quadrant	827	LM		
	<u>Wrot Mahogany backs primed before fixing in zinc chromate wood primer:</u>				
E	150 x 50 mm Frame once rebated	851	LM		
F	150 x 50 mm transome twice rebated	181	LM		
G	45 x 25 mm architrave with one labour	851	LM		
H	25mm quadrant	851	LM		
	<u>Ironmongery as per "Union" or approved Catalogue</u>				
J	Three lever mortice lock complete with quality furniture	141	NO		
K	Two lever mortice lock complete with quality furniture	145	NO		
L	38mm heavy duty rubber door stop fixed with rawl bolt	363	NO		
M	100mm stainless steel butt hinges	545.5	Prs		
	<u>Prepare and Apply Three Coats of Gloss Oil Paint to:-</u>				
N	Steel door / grilles; general surfaces	0	SM		
P	Timber door general surfaces	0	SM		
Q	Ditto 200 to 300mm girth.	0	LM		
R	Ditto 100 to 200mm girth.	0	LM		
S	Ditto; not exceeding 100mm girth	0	LM		
	<u>Prepare and Apply Three Coats of Polyurathene varnish to:-</u>				
T	Timber door general surfaces	1542	SM		
U	Ditto 200 to 300mm girth.	2004	LM		
V	Ditto 100 to 200mm girth.	1678	LM		
W	Ditto; not exceeding 100mm girth	1678	LM		
	Carried to Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<u>COLLECTION</u>				
	Brought Forward from Page No. BW	17			
	Brought Forward from Page No. BW	18			
	<u>TOTAL FOR ELEMENT NO. 10</u>				
	<u>DOORS</u>				
	<i>CARRIED TO SUMMARY</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<p>ELEMENT NO. 11 <u>EXTERNAL WORKS,</u> <u>(ALL PROVISIONAL)</u></p> <p><u>Paving Slabs</u></p> <p>A 600 x 600 x 50 mm thick precast concrete paving slabs laid onto and including 50 mm thick sand bed and jointed in cement / sand (1 :4) motar; allow for all necessary excavation, carting away and spreading on site excavated material and laying 200 mm thick hardcore base</p> <p><u>Parkings / Roads Paving Blocks</u></p> <p>B 60 mm thick medium duty precast concrete interlocking paving blocks as "Cabro" or equivalent laid onto and including 50 mm thick sand bed and jointed in sand; allow for all necessary excavation, carting away and spreading on site excavated material and laying 300 mm thick hardcore base</p> <p>C 125 x 250 mm thick precast concrete road kerb irrespective of shape</p> <p>D 100 x 300 mm wide precast concrete road channels; ditto</p> <p><u>Landscaping</u></p> <p>E Dig soil to a depth of approx. 200 mm; remove roots and weeds; mix soil with imported manure to a ratio of 2:1; rake to a fine tilth; fertilise; and plant well selected Kikuyu grass; allow for all necessary care and watering till well established to the Architect's approval</p> <p>F Dig holes to a depth of approx. 600 mm; mix soil with imported manure to a ratio of 2:1; fertilise; and plant well selected Bougainvillea and other related ornamental bushes; allow for all necessary care and watering; trimming till well established to the Architect's approval</p> <p>G Dig holes to a depth of approx. 600 mm; mix soil with imported manure to a ratio of 2:1; fertilise; and plant well selected Palm and related ornamental trees; allow for all necessary care and watering; trimming till well established to the Architect's approval</p>	670	SM		
		3187	SM		
		446	LM		
		446	LM		
		250	SM		
		50	NO.		
		50	NO.		
	<p><u>TOTAL ELEMENT NO. 11</u> <u>EXTERNAL WORKS</u> <u>CARRIED TO GRAND SUMMARY</u></p>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
A	<p><u>ELEMENT NO. 12</u></p> <p><u>BALUSTRADING</u> (ALL PROVISIONAL)</p> <p><u>Mild Steel:</u></p> <p>Mild steel balustrading 900 mm high overall in 50 x 25 x 3 mm RHS framing; 25 x 25 x 3 mm RHS sections at 150 mm centres; including all the necessary welds and priming ; all to the Architect's design</p>	1278	LM		
B	<p><u>Prepare and Apply Three Coats of Gloss Oil Paint to:-</u></p> <p>Steel balustrading general surfaces (measured generally)</p>	1278	SM		
	<p><u>TOTAL FOR ELEMENT NO. 12</u></p> <p><u>BALUSTRADING</u></p> <p><i>CARRIED TO SUMMARY</i></p>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<p><u>ELEMENT NO.13</u> <u>FITTINGS AND FIXTURES</u> <u>Kitchen / Laboratory tops</u></p> <p><u>Vibrated reinforced concrete class 20 in:</u></p>				
A	100mm thick reinforced worktop	398	SM		
B	Ditto to Plinths	398	SM		
	<u>Fabric B.R.C Membrane; B.S. 4483</u>				
C	Ref. No. A66 mesh 200 x 200mm, weight 3.02Kgs per square meter including overlaps - (including bends, tying wire and distance blocks)	398	SM		
	<u>Sawn formwork to:</u>				
D	Soffits of worktop	398	SM		
E	Sides of worktops 75 - 150 mm wide	797	LM		
F	Extra over worktop slabs for steel float finish	398	SM		
	<u>Dwarf Wall</u>				
	<u>Fine machine cut natural stone walling bedded and jointed in cement and sand (1:3) mortar and reinforced with and including 20swg x 25mm wide hoopiron; internally left plain ready for plaster (m.s)</u>				
G	100mm Thick Internal wall reinforced in every third course	273	SM		
H	Cement / sand plaster (1:3) a.b.d.	546	SM		
J	3 coats silk emulsion paint a.b.d.	0	SM		
	<u>20mm thick, 2No. Coat work steel trowelled screed on countertops; to Architect's approval</u>				
K	25 mm screed to receive Epoxy floor paving (ms)	398	SM		
L	100mm fascia; straight junction with wall and worktop finish	797	LM		
	<u>6 mm Thick quality industrial Epoxy floor pavings laid strictly in accordance to the approved manufacturer's instructions</u>				
M	Pavings	376	SM		
N	Ditto 100 mm high skirting	626	LM		
	Carried to Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<u>Granite worktops</u>				
A	Supply and fix 18mm thick, 600mm wide Kenya Black granite countertop on 150mm thick masonry walling (m/s) fixed with granite adhesive including polishing and bull nosing on all edges	21	SM		
B	Ditto 100 mm high skirting	72	LM		
	<u>The following in Laboratory / kitchen cabinetry:</u>				
C	25 mm thick both sides laminated MDF boards; all edges bound in 10 x 10 mm hardwood timber beads; treated and varnished to approval and supported in timber bearers (m.s); in dividing shelves	335	SM		
D	25 mm thick both sides laminated MDF boards; all edges bound in 10 x 10 mm hardwood timber beads; treated and varnished to approval and supported in timber bearers (m.s); doors to be complete with drawer handles, locks and malpha hinges (m.s); in lockable doors	343	SM		
E	High level kitchen cabinets comprising 19 mm thick both sides laminated MDF boards; all edges bound in 10 x 10 mm hardwood timber beads; treated and varnished to approval and supported in timber bearers (m.s); doors to be complete with drawer handles, locks and malpha hinges (m.s); in lockable doors; overall size 600 mm wide x 600 mm high	36	LM		
F	Drawers size 600 x 600 x 350 mm high in 25 mm thick laminated MDF boards; all edges bound in 10 x 10 mm hardwood timber beads; and in marching quality lipping edges all treated and varnished to approval and supported in timber bearers (m.s); complete with drawer rails and handles;	116	NO		
	<u>Wrot cypress ; selected , first grade:</u>				
G	50 x 50 mm in bearers; gloss oil painted to approval	1898	LM		
	<u>The Following Iron Mongery in Stainless steel to Laboratory Cabinetry:</u>				
H	Magnetic Ball Catches	582	NO		
J	Malpa Hinges	1746	NO		
K	20 x 12mm Drawer Rail Runners	232	NO		
L	100mm Brass 'C' Drawer Handles	582	NO		
M	Door Locks	582	NO		
	Carried to Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<i>The following in storage Shelves / working tops:</i>				
A	25 mm thick first grade blockboards; all edges bound in 10 x 10 mm hardwood timber beads; treated and varnished to approval and supported in timber bearers (m.s) ;in dividing shelves	158	SM		
B	25 x 25 x 3 mm thick welded RHS steel framing	1084	LM		
	Carried to Collection				
	<u>COLLECTION</u>				
	Brought Forward from Page No. BW	22			
	Brought Forward from Page No. BW	23			
	Brought Forward from Page No. BW	24			
		above			
	<u>TOTAL FOR ELEMENT NO. 13</u>				
	<u>FITTINGS AND FIXTURES</u>				
	<i>CARRIED TO SUMMARY</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<u>BUILDERS WORKS</u>				
	<u>SUMMARY</u>	PAGE	NO		
1	SUBSTRUCTURES	BW	4		
2	R.C SUPERSTRUCTURES	BW	5		
3	WALLING	BW	6		
4	ROOFING AND RAIN WATER DISPOSAL	BW	10		
5	EXTERNAL WALL FINISHES	BW	11		
6	INTERNAL WALL FINISHES	BW	12		
7	FLOOR FINISHES	BW	13		
8	CEILING FINISHES	BW	14		
9	WINDOWS	BW	16		
10	DOORS	BW	19		
11	EXTERNAL WORKS	BW	20		
12	BALUSTRADING	BW	21		
13	FITTINGS AND FIXTURES	BW	24		
	TOTAL FOR BUILDERS WORKS CARRIED TO GRAND SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	BILL NO. 2 : FOUL DRAINAGE				
	<u>FOUL DISTRIBUTION</u>				
	<u>SITE CLEARANCE</u>				
A	Clear site 1.5m on either side of sewerline centreline of all bushes, shrubs, small trees, grass and the like and dispose as directed by the DR	50	LM		
	<u>EXCAVATIONS</u>				
B	Excavate trench for dia 160mm sewer pipe starting from ground level not exceeding 1.5m deep, backfill after laying pipe and dispose excess material as directed by the DR average depth 1.0m	50	LM		
C	Ditto average depth 1.25m	50	LM		
D	Ditto average depth 1.5m	50	LM		
E	Extra over excavation for excavation in rock class I (PROVISIONAL)	10	CM		
F	Extra over excavation for excavation class II rock (PROVISIONAL)	10	CM		
TOTAL CARRIED TO SUMMARY PAGE 8					

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
<u>PIPE CONSTRUCTION</u>					
A	Provide, lay and joint in trench dia 160mm golden brown class 41 sewer pipe in flexible joints (rubber ring or lip seal joint) including 100mm approved murrum bed and haunch to detail (50)5310 type F	100	LM		
B	Ditto but in concrete class Q bed and haunch to detail (50)5310 type C	50	LM		
<u>MANHOLES</u>					
E	Provide materials and erect manhole type A & to detail (50)5301 including all necessary excavations, backfilling and disposal of surplus material and formwork and medium duty manhole cover and frame to detail (50)5313 type 'A' average depth 0.9m	4	NO		
F	Ditto but with medium duty manhole cover and frame to detail (50)5313 type 'B' average depth 0.9m	4	NO		
G	Provide materials and erect manhole type C to detail (50)5302 including all necessary excavations, backfilling and disposal of surplus material and formwork and medium duty manhole cover and frame to detail (50)5313 type 'A' average depth 1.3m	4	NO		
H	Ditto manhole type D to detail (50)5303 ditto, average depth 1.6m	2	NO		
TOTAL CARRIED TO SUMMARY PAGE 8					

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<u>SEWERAGE TREATMENT</u>				
	<u>DISTRIBUTION MANHOLES</u>				
A	Provide materials and erect distribution manhole 750x900mm overall to detail (50)5351 including all necessary excavations, backfilling and disposal of surplus material average depth 1.0m	2	NO		
	<u>FRENCH DRAINS</u>				
B	Excavate trench for french drain dia 160mm starting from ground level not exceeding 1.5m deep, backfill after constructing french drain and dispose excess material as directed by the DR average depth 1.25m, allow for trimming sides to slope as in detail (50)5344	20	LM		
C	Provide and lay in trench 160mm dia agricultural pipe with 10mm open joints as french drain including tar paper over open joints and crushed stone bed and surround 550mm thick and 200mm thick compacted murrum and polythene sheet all to detail (50)5344	20	LM		
D	Excavate trench for dia 160mm sewer pipe starting from ground level not exceeding 1.5m deep backfill after laying pipe and dispose surplus material as directed by the DR average depth 1.0m	10	LM		
E	Provide, lay and joint in trench dia 160mm Upvc golden brown class 41 sewer pipe in flexible joints (rubber ring or lip seal) including murrum bed and haunch to detail (50)5310 type F' from septic tank outlet to distribution manhole and between distribution manholes.	9	LM		
TOTAL CARRIED TO SUMMARY PAGE 8					

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<p><u>SOAKPITS</u></p> <p>A Excavate for soakpit starting from ground level not exceeding 1.5m backfill after constructing soakpit and dispose excess material as directed by the DR</p> <p>B Excavate for soakpit as before described but exceeding 1.5m and not exceeding 3.0m deep</p> <p>C Ditto exceeding 3.0m and not exceeding 4.5m deep</p> <p>D Provide materials and erect soakpit of 1.2m internal diameter with 140mm thick walling and 100mm thick concrete 1:3:6 base and 150mm thick RC slab and 600x450mm medium duty MH cover and frame and 200mm dia stone fill and all necessary formwork all to detail (50)5345</p> <p><u>GRASSING</u></p> <p>E Provide manure and mix with vegetable soil 150mm deep to soakage area and plant approved grass run ners to MOW general specifications and maintain until well established</p>	<p>9</p> <p>9</p> <p>12</p> <p>2</p> <p>50</p>	<p>CM</p> <p>CM</p> <p>CM</p> <p>NO</p> <p>SM</p>		
TOTAL CARRIED TO SUMMARY PAGE 8					

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
B	<p><u>SEPTIC TANK</u> <u>Site clearance</u> Clear site for works of all bushes, scrub, weeds, small trees grass and the like and dispose as directed by the DR</p>	100	SM		
C	<p><u>Excavations</u> Excavate pit for septic tank starting from ground level not exceeding 1.5m deep backfill around the septic tank after construction and dispose surplus material as directed by the DR</p>	75	CM		
D	<p>Excavate pit for septic tank starting from excavated level exceeding 1.5m and not exceeding 3.0m deep, backfill around the septic tank after construction and dispose surplus material as directed by the DR</p>	75	CM		
E	<p>Ditto but exceeding 3.0m and not exceeding 4.5m deep ditto</p>	75	CM		
F	<p>Extra over excavation for excavation in class I rock (PROVISIONAL)</p>	15	CM		
G	<p>Ditto class II rock (PROVISIONAL)</p>	20	CM		
H	<p><u>CONSTRUCTION</u> Provide, lay and vibrate 50mm thick concrete class Q (1:3:6) blinding</p>	55	SM		
TOTAL CARRIED TO SUMMARY PAGE 8					

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<u>SEPTIC TANK CONT'D</u>				
A	Provide place and vibrate 250mm thick reinforced concrete class 20(20)1:2:4 in concrete bed	57	SM		
B	Provide place and vibrate 250m thick reinforced concrete class 20(20) (1:2:4) in walls	58	SM		
C	Provide place and vibrate 150mm thick reinforced concrete class 20(20)(1:2:4) in wall	12	SM		
D	Ditto 200mm thick - ditto	2	SM		
E	Ditto 200mm thick in suspended slab	57	SM		
	<u>REINFORCEMENT</u>				
F	Provide, cut, bend and fix in concrete 16mm dia ms reinforcing bar including all necessary tying wire, spacer blocks, and the like	1,624	KG		
G	Ditto 12mm dia ms ditto	1480	KG		
H	Ditto 10mm dia ms ditto	80	KG		
J	Ditto 16mm dia high tensile square twisted bar ditto	210	KG		
K	Ditto 12mm dia high tensile square twisted bar ditto	70	KG		
L	Ditto dia 10mm ditto	135	KG		
M	Ditto 8mm dia ditto	5	KG		
N	Provide and place in concrete BRC mesh No. 65 reinforcement or equivalent, including all necessary tying wire, spacer blocks, laps and the like	50	SM		
TOTAL CARRIED TO SUMMARY PAGE 8					

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<u>SEPTIC TANK CONT'D</u>				
A	<u>Formwork</u> Provide and fix sawn timber formwork to edges of bed between 150 and 225mm high	40	LM		
B	Ditto to edge of suspended slab between 75 and 100mm high	20	LM		
C	Ditto between 150 and 225mm high	5	LM		
D	Provide and fix sawn timber formwork to soffit of suspended slab between 3.5m and 5m high	28	SM		
E	Ditto to soffit of suspended slab	52	SM		
F	Provide and fix sawn timber forwork to sides of walls	250	SM		
	<u>FINISHES</u>				
G	Provide materials and apply 12mm rendering (1:1) to walls both internally and externally	360	SM		
H	Provide and apply 25mm thick screed (1:3) to slab (top & bottom)	160	SM		
J	Provide and fix 600x450 medium duty manhole cover and frame to detail (50)5313 type 'B'	4	NO		
K	Allow for testing of the whole of the foul drainage by water test to MOW general specifications and to the satisfaction of the DR		ITEM		
L	Allow for keeping excavations free from general waters		ITEM		
TOTAL CARRIED TO COLLECTION PAGE 8					

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
ELECTRICAL WORKS					
<u>BILL NO. 1 PRELIMINARIES</u>					
1.1	Allow for mobilisation and setting up stores, tools and all necessary equipment on site	LS	Item		
1.2	Allow for supply and installation of all labels and danger warning notices.	LS	Item		
1.3	Allow for all preparation of all working drawings.	LS	Item		
1.4	Allow for all preparation of all As Built drawings.	LS	Item		
1.5	Allow for co-ordination of all services.	LS	Item		
1.6	Allow for insurance of the works in accordance with the Conditions of Contract	LS	Item		
1.7	Allow for the cost of the Performance Bond in accordance with the Conditions of Contract.	LS	Item		
1.8	<p>The Tenderer is to describe hereunder inserting any relevant Clause number, or any other works, obligations or things that may be referred to in the Conditions of Contract.</p> <p>Specification, Drawings in respect he desires to enter a separate charge (this charge is to be entered in the Amount Column). If no charge is entered hereunder, rates and amounts elsewhere in the Schedule of Prices shall be deemed to cover all expenses for such works, obligations or things</p>				
TOTAL FOR PRELIMINARIES CARRIED TO SUMMARY PAGE					

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
1	<p><u>BILL NO.2 SITE POWER RETICULATION</u></p> <p>SITE POWER RETICULATION</p> <p><i>Supply,install,test and commission the following in accordance to BS 7671:2001,BS 7430:1998, BS 5467&6724, and as described below :</i></p> <p>1.1 <u>MAIN LV BOARD</u></p> <p>One free standing Main LV switchboard type modular, metal clad, cubicle pattern to IP31 form 2b comprising of Schneider Electric or approved equivalent switchgear as follows:-</p> <ul style="list-style-type: none"> i)320A TPN + E Copper Busbars ii)320 Amps MCCB Adjustable as Main Incomer:- iii) 2No.250 A TP+ N mechanically interlocked with 250A TPN auto-changeover for Mains and Genset. iv)25kA,415V three-phase surge diverter as Furse ESP 415 v)Space for 1 No. Utility HV Three phase Energy meter and cut-outs vi) 2No. 80A,16 kA TP MCCB outgoing vii) 2No. 63A,16 kA TP MCCB outgoing viii) 5No. 63A,10 kA TP MCB outgoing ix) 5No. 63A,10 kA DP MCB outgoing x) 3No. 40A,10 kA DP MCB outgoing xi)4No. Single phase Dual Tariff Energy Check meters xii) 70kVAR PFC Bank with digital step contoller,contactors, capacitors, fuses and 160A TPN MCCB for PFC Bank xiii) 0-400A , 600V, multimeter data logger. xiv) Current transformers, phase Indicators and selector switches xv) Earthing 	1	Item		
	TOTAL FOR MAIN LV-BOARD CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
1.2	<p><u>LV CABLING</u></p> <p>Supply,install,test and commission the following in accordance to BS 7671:2001,BS 7430:1998, BS 5467&6724, and as described below :</p>				
1.2.1	4 Core 70sq.mm pvc/swa/pvc Cu cable from Genset to Main LV Board	10	Lm.		
1.2.2	4 Core 16sq.mm PVC/SWA/PVC Cu cable from Main LV Board to DB- LGF	30	Lm.		
1.2.3	4 Core 16sq.mm PVC/SWA/PVC Cu cable from Main LV Board to DB-GF	50	Lm.		
1.2.4	4 Core 16sq.mm PVC/SWA/PVC Cu cable from Main LV Board to DB-FF	60	Lm.		
1.2.5	4 Core 16sq.mm PVC/SWA/PVC Cu cable from Main LV Board to DB-SF	70	Lm.		
1.2.6	4 Core 16sq.mm PVC/SWA/PVC Cu cable from Main LV Board to DB-TRF	80	Lm.		
1.2.7	3 Core 10sq.mm PVC/PVC Cu cable from Dbs to CUs	195	Lm.		
	TOTAL CARRIED FORWARD TO NEXT PAGE				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<i>TOTAL BROUGHT FROM PREVIOUS PAGE</i>				
	<i>Mechanical Equipment</i>				
1.2.14	4 Core 16sq.mm PVC/SWA/PVC Cu cable from Main LV Board to Sprinkler Pump	30	Lm.		
1.2.15	4 Core 10sq.mm PVC/SWA/PVC Cu cable from Main LV Board to Lift	70	Lm.		
1.2.16	4 Core 4.0sq.mm PVC/SWA/PVC Cu cable from DB-GF to Booster pump	20	Lm.		
	TOTAL FOR LV CABLING CARRIED FORWARD TO SITE POWER RETICULATION SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
1.3	<p><u>CABLE TRAYS</u></p> <p><i>Supply, Install, Test and Commission complete cable tray/ladder systems including all bends, brackets, connector and all other necessary fixings required for completion as follows and shown in the drawings:</i></p>				
1.3.1	300mm X 50mm galvanised heavy Duty cable tray for Power cables within the ducts	40	Lm.		
1.3.2	100mm X 50mm galvanised heavy Duty cable tray for Power cables	30	Lm.		
1.3.3	300mm X 50mm galvanised heavy Duty cable tray for ICT cables	60	Lm.		
	<p>TOTAL FOR CABLE TRAYS CARRIED FORWARD TO SITE</p> <p>POWER RETICULATION SUMMARY</p>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
1.0	<u>BILL COLLECTION PAGE</u>				
1.1	Total For Bill Item 1.1 - Main LV Switchboard				
1.2	Total For Bill Item 1.2 - LV Cabling				
1.3	Total For Bill Item 1.3 - Cable Trays				
	TOTAL POWER RETICULATION CARRIED TO MAIN SUMMARY PAGE				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
<u>BILL NO. 3 : DIESEL GENERATOR</u>					
Supply,install,test and commission the following as described below:					
2.1	160 kVA 50 Hz,415V, 1500r.p.m weatherproof PRIME-RATED diesel Generator set complete with automatic control panel,silencer,galvanised exhaust system and other all necessary asseccories as supplied/manufactured by Mantrac/CAT or equal and approved equivalent	0	No		
2.12	Allow for relocation of existing generator from current location approximately 500 metres; to include costs of demounting, disconnections, reconnecting in new location and provision of new cabling and reconnection	1	No		
2.2	Allow for testing and commissioning for 4hrs operation continuously. Include for all diesel, oil, attendance, etc. for this period. To approval	1	Item		
2.3	All Control Cabling and Cabling Accessories	1	Item		
2.4	Generator Earthing	1	Item		
2.5	Allow for hot air ducting (3m) and lagging of exhaust pipe (5m)	1	Item		
NOTE: PRE-REQUISITE TESTING MUST BE CONDUCTED AND APPROVED BEFORE DELIVERY TO SITE. WHICH SHALL INCLUDE NO LOAD TESTING, MEDIAM LOAD TESTING AND FULL LOAD TESTING. CERTIFICATES OF TEST RESULTS ISSUED BY THE SUPPLIER.					
2.6	Load testing at supplier warehouse	0	Item		
2.7	Auxilliary generator Fuel tank able to hold 150 litres complete with installation of the manual fuel transfer pump and all pipeworks to the main generator tank to approval by PEE	0	No		
TOTAL FOR DIESEL GENERATOR CARRIED TO SUMMARY PAGE					

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<u>BILL NO. 4 : LIGHTNING PROTECTION</u>				
3	LIGHTNING PROTECTION, EARTHING AND BONDING				
	Supply,install, test and commission the following items : -				
3.1	Solid copper air terminal comprising the following: (i) 1200 mm long,15mm diameter multiple point copper air terminal as Furse Cat. No. RA 600.	6	No.		
	(ii) Copper air terminal base as Furse Cat. No. SD 105.	6	No.		
3.2	25mm x 3mm copper tape as Furse Cat. No. TC 030 clipped on roof parapet at 1000 mm centres for air termination and surface on wall for the down conductor system complete with ridge saddles as Furse Cat. No. SD 115, tape clips as Furse Cat. No.CP 210 and all the necessary accessories.	200	LM		
3.3	4-way cast gun metal oblong test/junction clamp as Furse Cat. No. CN 105 complete with phosphor bronze nuts, washers and screws mounted 1800 mm above finished ground level.	2	No		
3.4	32 mm PVC heavy gauge conduit surface mounted on wall between test clamp and ground and through the ring beam for sleeving at roof level	120	LM		
3.5	Allow for LPS earth termination pits including: (i) 12.7mm diameter, 1200mm long solid copper earth rod as Furse Cat. No. RB 103, complete with driving stud and spike.	4	No.		
	(ii) Earth rod-to-tape clamp type A as Furse Cat No CR 130.	4	No.		
	(iii) Concrete inspection earth pit Cat. No. PT 005 with 5-hole earth bar as Furse Cat. No. PT 006.	4	No.		
3.6	Allow for Generator and LV Switchboard separate earth pits including: (i) 12.7mm diameter, 1200mm long solid copper earth rod as Furse Cat. No. RB 103, complete with driving stud and spike.	2	No.		
	(ii) Earth rod-to-tape clamp type A as Furse Cat No CR 130.	2	No.		
	(iii) Concrete inspection earth pit Cat. No. PT 005 with 5-hole earth bar as Furse Cat. No. PT 006.	2	No.		
	TOTAL CARRIED FORWARD TO NEXT PAGE				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	TOTAL BROUGHT FROM PREVIOUS PAGE				
3.7	6 Ways 650mm long X 90mm x 90mm copper earth bars mounted on wall with space insulators and drilled for bonding as Furse LK245-10.	1	No		
3.8	Bonding and clamping to all metal work including water pipes, gas pipes, hand-rails, air-conditioning units, window frames, cladding, metal roof etc. and the main earth for the building.	1	Item		
3.9	EARTH MATT: Supply & Install Earthing Matt for system complete with a copper lattice matt measuring 300mm X 300mm constructed with copper tapes measuring 25mm X 3mm (total length of each matt will be 15M) This should be extended to the earth inspection chamber with appropriate 70 mm SC Cable	4	No.		
4.0	EARTH INSPECTION PIT: Heavy Gauge (5000Kgs) minimum Earth Inspection pit, with Lockable lid & should be engraved 'EARTH' or with earth Symbol	4	No.		
4.1	EARTH ROD: Earth rod - tape clamp type A	4	No.		
4.2	ACCESSORIES: Saddles, fasteners, Clips and clamps etc required for securing the various installations				
4.3	BONDING: Equipotential Bonding of the lightning protection system to the main earthing system present in the proposed development	1	Item		
TOTAL FOR LIGHTNING PROTECTION CARRIED TO MAIN SUMMARY PAGE					

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<u>BILL NO. 5 : LOWER GROUND FLOOR</u>				
	<i>Supply, install, test, commission and set to work the following: All lighting fittings to be complete with lamp and control gear as applicable.</i>				
1.1	<u>LIGHTING</u> Lighting points wired in 3 X 1.5mm ² PVC SC copper cables in 20mm heavy gauge super high impact PVC conduits in walls and slabs, complete with switch boxes being;				
1.1.1a	Lighting point 1-way switched.	68	NO.		
1.1.1b	Lighting point 2-way switched.	30	NO.		
1.1.1c	Lighting point 2-way switched with intermediate switch.	20	NO.		
1.1.1d	Lighting point unswitched	15	NO.		
1.1.2	6A white moulded switch plates as MK or approved equivalent: -				
	(a) 1-gang 2-way	18	NO.		
	(b) 2-gang 1-way	12	NO.		
	(c) 32A DP switch complete with neon light	6	NO.		
	(d) 3-gang 2-way	6	NO.		
	(e) intermediate	4	NO.		
1.1.3	<i>Lighting fittings, complete with lamps of specified wattage and appropriate colour rendering: -</i>				
1.1.3a	1 x 18W LED fluorescent fitting or approved equivalent.	25	NO.		
1.1.3b	1 x 36W LED fluorescent fitting non corrosive weather proof lamp or approved equivalent. (in kitchen area)	40	NO.		
1.1.3c	Type C being surface mounted circular 9W LED complete with opal diffuser.	10	NO.		
1.1.3d	600x600 LED pannel light surface mounted/recessed complete with driver 6000k or approved equivalent.	0	NO.		
1.1.3e	Pendant light complete with 12w LED lamp compete to client approval as P&PL	15	NO.		
1.1.3f	Wall bracket complete with 3W LED lamp wall mounted at 2000mm AFFF to approval	30	NO.		
1.1.3g	40w 300x1200 LED pannel light surface mounted/recessed complete with driver 4000k or approved equivalent.	15	NO.		
1.1.3h	Type C3 being surface mounted circular 18W LED complete with opal diffuser.	20	NO.		
	Total C/F to Collection Page .ELE 3				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
1.1.3i	1 x 18W LED fluorescent linear fitting with as Thorn or approved equivalent.	30	NO.		
1.1.3j	Type A2 being recessed downlighter 5W 3000K LED complete with driver	0	NO.		
1.1.3k	Entry lobby chandelier with 7 minimum candle lamps to approval	0	NO.		
1.2	<u>POWER POINTS</u>				
	Supply, install, set to work and commission power points wired in 3 X 2.5mm ² PVC SC CU cables in 20mm heavy gauge super high impact PVC conduits in walls and slabs, complete with socket outlet	65	NO.		
1.2.1	Twin 13A standard socket outlets, with safety shutters on both live and neutral and with neon light as MK or equal and approved.	60	NO.		
1.2.1 a	Single 13A waterproof socket outlets, with safety shutters on both live and neutral and with neon light as MK or equal and approved.	5	NO.		
1.2.1 b	Power points wired in 3 X 2.5mm ² PVC SC CU cables in 20mm heavy gauge super high impact PVC conduits in walls and slabs, complete with socket outlet for Hand drier point	8	NO.		
1.2.1 c	Smoke detector points comprising concealed in 20mm PVC conduit, switch box, wired in 1.5mm twin screened fire-proof cable as FIREPIX or approved equivalent, and all accessories.	9	NO.		
1.2.1 d	CCTV points comprising concealed PVC conduit, box, wiring in screened fire-proof cable as FIREPIX or approved equivalent, and all accessories.	22	NO.		
1.2.1 e	Supply, install, set to work and commission power points wired in 3 X 4.0mm ² PVC SC CU cables in heavy gauge super high impact PVC conduits in walls and slabs, for cooker unit, under sink heater	14	NO.		
	ISOLATORS				
i	TPN rotary isolator	4	NO.		
ii	SPN rotary isolator	2	NO.		
iii	45A cooker unit complete with auxilliary socket outlet	8	NO.		
	Total C/F to collection Page .ELE 3				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
1.3	POWER SUPPLY				
1.3.1	4-way Distribution board complete with 100A integral switch and all accessories including lockable cover as Multi-9, or approved equivalent.	3	NO.		
1.3.2	Submain cable as 4C 10mm ² PVC/SWA/PVC cable, copper from the Main LV board to DBs and consumer units (Provisional)	150	LM		
1.3.3	Cable glands for the cable above	24	NO.		
1.3.4	Cable lugs for the cable above	6	NO.		
1.3.5	SP MCB in item no. 1.3.1 above. Being 6A,20A &32A	15	NO.		
1.3.6	63A TP MCB in the boards above	3	NO.		
1.3.7	Blanking plates for un-used spare ways	9	NO.		
1.3.8	Earthing for the boards above	3	Item		
1.3.9	Standard loop box complete with cutout	3	Item		
1.4	Sub main LV board measuring 1200x600x350mm weather proof type to accommodate TPN 200A MCCB and 3 phase check metre, 4 way consumer unit and contactors for powering the field flood lights	1	Item		
1.5	Solar based 120w external lamps all in one (panel,battery, lamp) complete with 6m high single arm, 3mm thick 150mm OD post, ground mounted with RC base to approval	16	No		
1.6	Allow Ksh. 2,500,000 for Main LV board to PEE specification	1	Item		
1.7	6-way Consumer unit complete with 63A integral switch and all accessories including lockable cover as Multi-9, or approved equivalent.	3	NO.		
1.7.1	SP MCB in item no. 1.8 above. Being 6A,20A &32A	30	NO.		
Total C/F TO COLLECTION BELOW					
COLLECTION LOWER GROUND FLOOR					
	TOTAL FOR PAGE ELE 1				
	TOTAL FOR PAGE ELE 2				
	TOTAL FOR PAGE ABOVE				
Total C/F to SUMMARY PAGE					

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<u>BILL NO. 6 : GROUND FLOOR</u>				
	<i>Supply, install, test, commission and set to work the following: All lighting fittings to be complete with lamp and control gear as applicable.</i>				
1.1	<u>LIGHTING</u> Lighting points wired in 3 X 1.5mm ² PVC SC copper cables in 20mm heavy gauge super high impact PVC conduits in walls and slabs, complete with switch boxes being;				
1.1.1a	Lighting point 1-way switched.	52	NO.		
1.1.1b	Lighting point 2-way switched.	30	NO.		
1.1.1c	Lighting point 2-way switched with intermediate switch.	18	NO.		
1.1.1d	Lighting point unswitched	25	NO.		
1.1.2	6A white moulded switch plates as MK or approved equivalent: -				
	(a) 1-gang 2-way	33	NO.		
	(b) 2-gang 1-way	15	NO.		
	(c) 32A DP switch complete with neon light	6	NO.		
	(d) 4-gang 2-way	4	NO.		
	(e) intermediate	4	NO.		
1.1.3	<i>Lighting fittings, complete with lamps of specified wattage and appropriate colour rendering: -</i>				
1.1.3a	1 x 18W LED fluorescent fitting or approved equivalent.	33	NO.		
1.1.3b	1 x 36W LED fluorescent fitting non corrosive weather proof lamp or approved equivalent. (in kitchen area)	70	NO.		
1.1.3c	Type C being surface mounted circular 9W LED complete with opal diffuser.	17	NO.		
1.1.3d	600x600 LED pannel light surface mounted/recessed complete with driver 6000k or approved equivalent.	8	NO.		
1.1.3e	Pendant light complete with 12w LED lamp compete to client approval as P&PL	12	NO.		
1.1.3f	Wall bracket complete with 3W LED lamp wall mounted at 2000mm AFFF to approval	15	NO.		
1.1.3g	40w 300x1200 LED pannel light surface mounted/recessed complete with driver 4000k or approved equivalent.	20	NO.		
1.1.3h	Type C3 being surface mounted circular 18W LED complete with opal diffuser.	32	NO.		
	Total C/F to Collection Page .ELE 3				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
1.1.3i	1 x 18W LED fluorescent linear fitting with as Thorn or approved equivalent.	25	NO.		
1.1.3j	Type A2 being recessed downlighter 5W 3000K LED complete with driver	10	NO.		
1.1.3k	Track light complete with all accessories	80	LM.		
1.2	<u>POWER POINTS</u>				
	Supply, install, set to work and commission power points wired in 3 X 2.5mm ² PVC SC CU cables in 20mm heavy gauge super high impact PVC conduits in walls and slabs, complete with socket outlet	130	NO.		
1.2.1	Twin 13A standard socket outlets, with safety shutters on both live and neutral and with neon light as MK or equal and approved.	105	NO.		
1.2.1 a	Single 13A waterproof socket outlets, with safety shutters on both live and neutral and with neon light as MK or equal and approved.	25	NO.		
1.2.1 b	Power points wired in 3 X 2.5mm ² PVC SC CU cables in 20mm heavy gauge super high impact PVC conduits in walls and slabs, complete with socket outlet for Hand drier point	8	NO.		
1.2.1 c	Smoke detector points comprising concealed in 20mm PVC conduit, switch box, wired in 1.5mm twin screened fire-proof cable as FIREPIX or approved equivalent, and all accessories.	15	NO.		
1.2.1 d	CCTV points comprising concealed PVC conduit, box, wiring in screened fire-proof cable as FIREPIX or approved equivalent, and all accessories.	22	NO.		
1.2.1 e	Supply, install, set to work and commission power points wired in 3 X 4.0mm ² PVC SC CU cables in heavy gauge super high impact PVC conduits in walls and slabs, for cooker unit, under sink heater	10	NO.		
	ISOLATORS				
i	TPN rotary isolator	6	NO.		
ii	SPN rotary isolator	4	NO.		
iii	45A cooker unit complete with auxilliary socket outlet	10	NO.		
Total C/F to collection Page .ELE 3					

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
1.3	POWER SUPPLY				
1.3.1	8-way Distribution board complete with 100A integral switch and all accessories including lockable cover as Multi-9, or approved equivalent.	4	NO.		
1.3.2	12-way consumer unit with 63A integral switch and all accessories including lockable cover as Multi-9, or approved equivalent.	3	NO.		
1.3.3	Submain cable as 4C 16mm ² PVC/SWA/PVC cable, copper from the Main LV board to DBs and consumer units (Provisional)	125	LM		
1.3.4	Cable glands for the cable above	4	NO.		
1.3.5	Cable lugs for the cable above	10	NO.		
1.3.6	SP MCB in item no. 1.3.1a & 1.3.1b above. Being 6A,20A &32A	25	NO.		
1.3.7	63A TP MCB in the boards above	4	NO.		
3.3.8	Blanking plates for un-used spare ways	9	NO.		
3.3.9	Earthing for the boards above	4	Item		
3.4	Standard loop box complete with cutout	4	Item		
Total C/F TO COLLECTION BELOW					
COLLECTION					
	TOTAL FOR PAGE ELE 1				
	TOTAL FOR PAGE ELE 2				
	TOTAL FOR PAGE ABOVE				
Total C/F to SUMMARY PAGE					

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<u>BILL NO. 7 : FIRST FLOOR</u>				
	<u>Supply, install, test, commission and set to work the following.</u> <u>All lighting fittings to be complete with lamp and control gear as applicable.</u>				
1.1	<u>LIGHTING</u> Lighting points wired in 3 X 1.5mm ² PVC SC copper cables in 20mm heavy gauge super high impact PVC conduits in walls and slabs, complete with switch boxes being;				
1.1.1a	Lighting point 1-way switched.	123	NO.		
1.1.1b	Lighting point 2-way switched.	45	NO.		
1.1.1c	Lighting point 2-way switched with intermediate switch.	40	NO.		
1.1.1d	Lighting point unswitched	8	NO.		
1.1.2	6A white moulded switch plates as MK or approved equivalent: -				
	(a) 1-gang 2-way	25	NO.		
	(b) 2-gang 1-way	10	NO.		
	(c) 45A DP switch complete with neon light	8	NO.		
	(d) 4-gang 2-way	4	NO.		
	(e) intermediate	4	NO.		
	(f) motion sensor	4	NO.		
1.1.3	<i>Lighting fittings, complete with lamps of specified wattage and appropriate colour rendering: -</i>				
1.1.3a	1 x 18W LED fluorescent fitting or approved equivalent.	8	NO.		
1.1.3b	1 x 36W LED fluorescent fitting non corrosive weather proof lamp or approved equivalent. (in kitchen area)	80	NO.		
1.1.3c	Type C being surface mounted circular 9W LED complete with opal diffuser.	24	NO.		
1.1.3d	600x600 LED pannel light surface mounted/recessed complete with driver 6000k or approved equivalent.	30	NO.		
1.1.3e	Pendant light complete with 12w LED lamp compete to client approval as P&PL	5	NO.		
1.1.3f	Wall bracket complete with 3W LED lamp wall mounted at 2000mm AFFF to approval	8	NO.		
1.1.3g	40w 300x1200 LED pannel light surface mounted/recessed complete with driver 4000k or approved equivalent.	15	NO.		
1.1.3h	Type C3 being surface mounted circular 18W LED complete with opal diffuser.	32	NO.		
	Total C/F to Collection Page .ELE 3				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
3.1.3i	1 x 18W LED fluorescent linear fitting with as Thorn or approved equivalent.	30	NO.		
3.1.3j	Type A2 being recessed downlighter 5W 3000K LED complete with driver	12	NO.		
3.1.3k	Track light complete with all accessories	60	LM.		
3.2	<u>POWER POINTS</u>				
	Supply, install, set to work and commission power points wired in 3 X 2.5mm ² PVC SC CU cables in 20mm heavy gauge super high impact PVC conduits in walls and slabs, complete with socket outlet	232	NO.		
3.2.1	Twin 13A standard socket outlets, with safety shutters on both live and neutral and with neon light as MK or equal and approved.	215	NO.		
3.2.1 a	Single 13A waterproof socket outlets, with safety shutters on both live and neutral and with neon light as MK or equal and approved.	17	NO.		
3.2.1 b	Power points wired in 3 X 2.5mm ² PVC SC CU cables in 20mm heavy gauge super high impact PVC conduits in walls and slabs, complete with socket outlet for Hand drier point	6	NO.		
3.2.1 c	Smoke detector points comprising concealed in 20mm PVC conduit, switch box, wired in 1.5mm twin screened fire-proof cable as FIREPIX or approved equivalent, and all accessories.	30	NO.		
3.2.1 d	CCTV points comprising concealed PVC conduit, box, wiring in screened fire-proof cable as FIREPIX or approved equivalent, and all accessories.	15	NO.		
3.2.1 e	Supply, install, set to work and commission power points wired in 3 X 4.0mm ² PVC SC CU cables in heavy gauge super high impact PVC conduits in walls and slabs, for cooker unit, under sink heater	3	NO.		
	ISOLATORS				
i	TPN rotary isolator	0	NO.		
ii	SPN rotary isolator	1	NO.		
iii	45A cooker unit complete with auxilliary socket outlet	3	NO.		
	Total C/F to collection Page .ELE 3				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
3.3	POWER SUPPLY				
3.3.1	8-way Distribution board complete with 100A integral switch and all accessories including lockable cover as Multi-9, or approved equivalent.	2	NO.		
3.3.2	12-way consumer unit with 63A integral switch and all accessories including lockable cover as Multi-9, or approved equivalent.	2	NO.		
3.3.3	Submain cable as 4C 16mm ² PVC/SWA/PVC cable, copper from the Main LV board to DBs and consumer units (Provisional)	100	LM		
3.3.4	Cable glands for the cable above	4	NO.		
3.3.5	Cable lugs for the cable above	10	NO.		
3.3.6	SP MCB in item no. 3.3.1a & 3.3.1b above. Being 6A,20A &32A	15	NO.		
3.3.7	63A TP MCB in the boards above	2	NO.		
3.3.8	Blanking plates for un-used spare ways	9	NO.		
3.3.9	Earthing for the boards above	2	Item		
3.4	Standard loop box complete with cutout	2	Item		
Total C/F TO COLLECTION BELOW					
COLLECTION					
TOTAL FOR PAGE ELE 1					
TOTAL FOR PAGE ELE 2					
TOTAL FOR PAGE ABOVE					
Total C/F to SUMMARY PAGE					

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<u>BILL NO. 8 : SECOND FLOOR</u>				
	<u>Supply, install, test, commission and set to work the following:</u> <u>All lighting fittings to be complete with lamp and control gear as applicable.</u>				
1.1	<u>LIGHTING</u> Lighting points wired in 3 X 1.5mm ² PVC SC copper cables in 20mm heavy gauge super high impact PVC conduits in walls and slabs, complete with switch boxes being;				
1.1.1a	Lighting point 1-way switched.	105	NO.		
1.1.1b	Lighting point 2-way switched.	41	NO.		
1.1.1c	Lighting point 2-way switched with intermediate switch.	25	NO.		
1.1.1d	Lighting point unswitched	35	NO.		
1.1.2	6A white moulded switch plates as MK or approved equivalent: -				
	(a) 1-gang 2-way	29	NO.		
	(b) 2-gang 1-way	10	NO.		
	(c) 32A DP switch complete with neon light	6	NO.		
	(d) 4-gang 2-way	4	NO.		
	(e) intermediate	4	NO.		
1.1.3	<i>Lighting fittings, complete with lamps of specified wattage and appropriate colour rendering: -</i>				
1.1.3a	1 x 18W LED fluorescent fitting or approved equivalent.	8	NO.		
1.1.3b	1 x 36W LED fluorescent fitting non corrosive weather proof lamp or approved equivalent. (in kitchen area)	49	NO.		
1.1.3c	Type C being surface mounted circular 9W LED complete with opal diffuser.	17	NO.		
1.1.3d	600x600 LED pannel light surface mounted/recessed complete with driver 6000k or approved equivalent.	2	NO.		
1.1.3e	Pendant light complete with 12w LED lamp compete to client approval as P&PL	2	NO.		
1.1.3f	Wall bracket complete with 3W LED lamp wall mounted at 2000mm AFFF to approval	18	NO.		
1.1.3g	40w 300x1200 LED pannel light surface mounted/recessed complete with driver 4000k or approved equivalent.	20	NO.		
1.1.3h	Type C3 being surface mounted circular 18W LED complete with opal diffuser.	32	NO.		
	Total C/F to Collection Page .ELE 3				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
1.1.3i	Track light complete with all accessories	60	LM		
1.1.3j	Type A2 being recessed downlighter 5W 3000K LED complete with driver	12	NO.		
1.1.3k	Entry lobby chandelier with 7 minimum candle lamps to approval	1	NO.		
1.2	<u>POWER POINTS</u>				
	Supply, install, set to work and commission power points wired in 3 X 2.5mm ² PVC SC CU cables in 20mm heavy gauge super high impact PVC conduits in walls and slabs, complete with socket outlet	225	NO.		
1.2.1	Twin 13A standard socket outlets, with safety shutters on both live and neutral and with neon light as MK or equal and approved.	205	NO.		
1.2.1 a	Single 13A waterproof socket outlets, with safety shutters on both live and neutral and with neon light as MK or equal and approved.	20	NO.		
1.2.1 b	Power points wired in 3 X 2.5mm ² PVC SC CU cables in 20mm heavy gauge super high impact PVC conduits in walls and slabs, complete with socket outlet for Hand drier point	6	NO.		
1.2.1 c	Smoke detector points comprising concealed in 20mm PVC conduit, switch box, wired in 1.5mm twin screened fire-proof cable as FIREPIX or approved equivalent, and all accessories.	30	NO.		
1.2.1 d	CCTV points comprising concealed PVC conduit, box, wiring in screened fire-proof cable as FIREPIX or approved equivalent, and all accessories.	15	NO.		
1.2.1 e	Supply, install, set to work and commission power points wired in 3 X 4.0mm ² PVC SC CU cables in heavy gauge super high impact PVC conduits in walls and slabs, for cooker unit, under sink heater	2	NO.		
	ISOLATORS				
i	TPN rotary isolator	1	NO.		
ii	SPN rotary isolator	2	NO.		
iii	45A cooker unit complete with auxilliary socket outlet	2	NO.		
	Total C/F to collection Page .ELE 3				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
1.3	POWER SUPPLY				
1.3.1	8-way Distribution board complete with 100A integral switch and all accessories including lockable cover as Multi-9, or approved equivalent.	2	NO.		
1.3.2	Submain cable as 4C 10mm ² PVC/SWA/PVC cable, copper from the Main LV board to DBs and consumer units	150	LM		
1.3.3	Cable glands for the cable above	2	NO.		
1.3.4	Cable lugs for the cable above	24	NO.		
1.3.5	SP MCB in item no. 1.3.1 above. Being 6A,20A &32A	15	NO.		
1.3.6	63A TP MCB in the boards above	3	NO.		
1.3.7	Blanking plates for un-used spare ways	9	NO.		
1.3.8	Earthing for the boards above	2	Item		
1.3.9	Standard loop box complete with cutout	2	Item		
1.4	6-way Consumer unit complete with 63A integral switch and all accessories including lockable cover as Multi-9, or approved equivalent.	2	NO.		
1.5	SP MCB in item no. 1.4 above. Being 6A,20A &32A	30	NO.		
	Total C/F TO COLLECTION BELOW				
	COLLECTION				
	TOTAL FOR PAGE ELE 1 TOTAL FOR PAGE ELE 2 TOTAL FOR PAGE ABOVE				
	Total C/F to SUMMARY PAGE				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	BILL NO. 9 : THIRD FLOOR				
	<u>Supply, install, test, commission and set to work the following:</u> <u>All lighting fittings to be complete with lamp and control gear as applicable.</u>				
5.1	LIGHTING Lighting points wired in 3 X 1.5mm ² PVC SC copper cables in 20mm heavy gauge super high impact PVC conduits in walls and slabs, complete with switch boxes being;				
5.1.1a	Lighting point 1-way switched.	37	NO.		
5.1.1b	Lighting point 2-way switched.	35	NO.		
5.1.1c	Lighting point 2-way switched with intermediate switch.	10	NO.		
5.1.1d	Lighting point unswitched	8	NO.		
5.1.2	6A white moulded switch plates as MK or approved equivalent: -				
	(a) 1-gang 2-way	29	NO.		
	(b) 2-gang 1-way	10	NO.		
	(c) 45A DP switch complete with neon light	9	NO.		
	(d) 3-gang 2-way	2	NO.		
	(e) intermediate	4	NO.		
	(f) motion sensor	6	NO.		
5.1.3	Lighting fittings, complete with lamps of specified wattage and appropriate colour rendering: -				
5.1.3a	1 x 9W HPF fluorescent batten fitting as Thorn or approved equivalent.	8	NO.		
5.1.3b	1 x 18W HPF fluorescent batten fitting non corrosive weather proof lamp as Thorn or approved equivalent. (in kitchen area)	49	NO.		
5.1.3c	Type C being surface mounted circular 9W LED complete with opal diffuser.	17	NO.		
5.1.3d	600x600 LED pannel light surface mounted/recessed complete with driver 6000k or approved equivalent.	30	NO.		
5.1.3e	Pendant light complete with 18w LET lamp to client approval as P&PL	2	NO.		
5.1.3f	Wall bracket complete with 3W LED lamp wall mounted at 2000mm AFFF to approval	8	NO.		
5.1.3g	40w 300x1200 LED pannel light surface mounted/recessed complete with driver 4000k or approved equivalent.	15	NO.		
1.1.3h	Type C3 being surface mounted circular 18W LED complete with opal diffuser.	32	NO.		
	Total C/F to Collection Page .ELE 3				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
1.1.3i	1 x 18W LED fluorescent linear fitting with as Thorn or approved equivalent.	30	NO.		
1.1.3j	Type A2 being recessed downlighter 5W 3000K LED complete with driver	12	NO.		
1.1.3k	Track light complete with all accessories	80	LM.		
1.2	<u>POWER POINTS</u>				
	Supply, install, set to work and commission power points wired in 3 X 2.5mm ² PVC SC CU cables in 20mm heavy gauge super high impact PVC conduits in walls and slabs, complete with socket outlet	45	NO.		
1.2.1	Twin 13A standard socket outlets, with safety shutters on both live and neutral and with neon light as MK or equal and approved.	40	NO.		
1.2.1 a	Single 13A waterproof socket outlets, with safety shutters on both live and neutral and with neon light as MK or equal and approved.	5	NO.		
1.2.1 b	Power points wired in 3 X 2.5mm ² PVC SC CU cables in 20mm heavy gauge super high impact PVC conduits in walls and slabs, complete with socket outlet for Hand drier point	9	NO.		
1.2.1 c	Smoke detector points comprising concealed in 20mm PVC conduit, switch box, wired in 1.5mm twin screened fire-proof cable as FIREPIX or approved equivalent, and all accessories.	25	NO.		
1.2.1 d	CCTV points comprising concealed PVC conduit, box, wiring in screened fire-proof cable as FIREPIX or approved equivalent, and all accessories.	10	NO.		
1.2.1 e	Supply, install, set to work and commission power points wired in 3 X 4.0mm ² PVC SC CU cables in heavy gauge super high impact PVC conduits in walls and slabs, for cooker unit, under sink heater	5	NO.		
	ISOLATORS				
i	TPN rotary isolator	5	NO.		
ii	SPN rotary isolator	1	NO.		
iii	45A cooker unit complete with auxilliary socket outlet	5	NO.		
	Total C/F to collection Page .ELE 3				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
1.3	POWER SUPPLY				
1.3.1	8-way Distribution board complete with 100A integral switch and all accessories including lockable cover as Multi-9, or approved equivalent.	1	NO.		
1.3.1b	12-way consumer unit with 63A integral switch and all accessories including lockable cover as Multi-9, or approved equivalent.	1	NO.		
1.3.2	Submain cable as 4C 25mm ² PVC/SWA/PVC cable, copper from the Main LV board to DBs and consumer units (Provisional)	150	LM		
1.3.3	Cable glands for the cable above	4	NO.		
1.3.4	Cable lugs for the cable above	10	NO.		
1.3.5	SP MCB in item no. 1.3.1a & 1.3.1b above. Being 6A,20A &32A	15	NO.		
1.3.6	63A TP MCB in the boards above	2	NO.		
1.3.7	Blanking plates for un-used spare ways	9	NO.		
1.3.8	Earthing for the boards above	2	Item		
1.3.9	Standard loop box complete with cutout	3	Item		
	Total C/F TO COLLECTION BELOW				
	COLLECTION				
A	TOTAL FOR PAGE ELE 1				
B	TOTAL FOR PAGE ELE 2				
C	TOTAL FOR PAGE ABOVE				
	Total C/F to SUMMARY PAGE				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<p>BILL NO. 10: SOLAR INSTALLATION WORKS</p> <p><u>Contractor shall supply, deliver, install, fix, connect, test, label and commission the works, clean, complete and working to approval and as described below and in the related specifications, relevant codes and/or on the drawings to the satisfaction of the Project Managers/Engineers. All Certifications and Warranties must be provided for by the supplier of the cable / Equipment at the end of the project.</u></p> <p><u>NOTE: The bidder should only quote for and supply the specified brands for panels, inverters and batteries. Technical product catalogues and specifications for quoted models MUST be attached. Bids deviating from this requirement shall be considered non-responsive.</u></p> <p><u>All rates shall be inclusive of all/any applicable Taxes. Amount to be in Kenya shillings only.</u></p>				
	<p>THREE PHASE 20kWp GRID TIED SYSTEM</p>				
1.01	<p>SOLAR PANEL: 600 Watts Bifacial Mono-Crystalline N-Type PV Solar Modules as Jinko / JA/Canadian solar</p> <p>Jinko Solar JKM600N-78HL4-BDV-F1-EN or any other approved Equivalent by the PEE & CLIENT</p> <p>The minimum specifications of the panel should be as follows:</p> <p>$P_{max} : 600W$; $V_{mp} : 45.25V$; $I_{mp} : 13.8A$ $V_{oc} : 55.03V$; $I_{sc} : 13.87A$</p> <p>Module efficiency STC: 22%</p> <p>Operating temperature: -40⁰C - +85⁰C</p> <p>Maximum system voltage: 1500VDC</p> <p>Maximum series fuse rating: 30A</p>	35	No		
1.02	<p>MOUNTING SYSTEM: Supply and install aluminium solar panel roof mount rack for the entire of PV arrays, capable of allowing the solar panels to be inclined and c/w high grade Aluminium alloy AL6005-T5 and SUS 304 rails (4.8m long - 20 lengths), connector channels, L-feet kits, Mid clamps, End clamps, and all necessary fixing accessories as directed by PM/PSE to detail</p>	1	Item		
1.03	<p>COMBINER BOX: Wall mount IP66, weatherproof, with a DC disconnect, 8No. 20A DC breakers, 1000VDC combiner box to terminate the solar photovoltaic cabling, complete with DC isolation fuses, lightning arrester as Furse, knockouts and cable gromates necessary for a waterproof installation.</p>	3	No		
1.04	<p>DC ISOLATOR: 1000VDC, 20A DC isolator switch as Benedict 2pole in series + 2 parallel LS65 ccomplete with enclosure</p>	3	No		
1.05	<p>AC ISOLATOR: AC, 415V, 50 HZ switch disconnecter as Kraus Neimer</p>	4	No		
1.06	<p>SPD: 1000v D.C 40kA 3P Surge protective device as Suntree modular surge arrester.</p>	3	No		
1.07	<p>INVERTER : 50Hz, 36A, 400V, 25kW three phase cascable, three phase true sine wave grid-tie Inverter complete with monitoring, sensors and all other necessary accessories as Growatt/Jinko / Deye , or approved equivalent</p>	1	No		
	<i>Total carried to next page</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<i>Total carried from previous page</i>				
1.09	MONITORING & CONTROL: Complete solution for solar monitoring and communication system allowing remote monitoring and control over internet/ethernet c/w router / dongle, monitoring application software, appropriate communication protocol (RS-485 or TCP/IP) and associated cabling. This MUST be complete solution as ENCombi ECpv2, ECpanel, ECcube2 (Logger, Solar, & M), Soluzione LiteMeter Modbus Pro (irradiation sensor), Pilot SPM33 Power Meter, and I/O Modules. To include the cost associated with annual renewal of this monitoring service where applicable and its configuration.	1	No		
1.10	CURRENT TRANSDUCER COILS: 15mm inner diameter 200A solid-core current transformer (CT) with a 26.6mA output for clamping incomer lines	4	No		
1.12	CUSTOMIZED DISTRIBUTION BOARD / TURRET: 3 Phase Power distribution board installed in the switch room. Busbar rating: 300A Rating Main Incomer: 1No. 250A Incomers, 4No. 100A Outgoers, with powder coated matt finish paint, compartmental type, CRCA metallic Sheet, Indication on front side R, Y, B, ON, OFF, Surge Protector and Trip Earthing provision. All breakers MUST be as ABB, Schneider or Terrasaki.	1	No		
1.13	CABLE TRAY: 100x50mm hot dipped galvanised steel cable tray with cover complete with bends, tees, end plates and all accessories necessary to complete the installation.	45	LM		
1.14	TRUNKING: 150x50mm powder coated 16SWG sheet steel cable trunking with cover complete with bends, tees, end plates and all accessories necessary to complete the installation.	60	LM		
1.15	DC CABLE: Solar Grade, Halogen Free, UV & Weather Resistant 2 CORE, 6mm SQ ANNEALED TINNED FLEXIBLE COPPER CONDUCTOR, EBXL SOLAR CABLE between the solar panels to the combiner box and complete with MC4 Connectors. This shall be for live, neutral and ground. Shall conform to IEC 60189-1, IEC 60189-2. TUV Certified	300	LM		
1.16	DC CABLE: 2x25mm sq XLPE/PVC SC copper cable between the combiner box and DC switch disconnector to the Inverter and complete with termination lags and glands	50	LM		
1.17	AC CABLE: 25mmsq 4C Armoured PVC/PVC insulated copper cable c/w with 16mmsq SC PVC Earth Cable from Turret box/DB to the Inverter complete with termination lags and glands	40	LM		
1.18	AC CABLE: 10mmsq SC PVC/PVC insulated copper cable c/w with 35mmsq SC PVC Earth Cable from the Inverter to the Main LV Distribution Panel Board complete with termination lags and glands	120	LM		
1.19	RELAY CABLING: Communication / signal cable link between the Inverter and auxilliary metring or monitoring devices, 4x2.5mm sq PVC/PVC drawn in 20mm Ø HG PVC conduits.	50	LM		
1.20	METERING: Anti-reflex meter complete with CTs to provide real time power production data readings	1	NO		
	<i>Total carried to next page</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<i>Total carried from previous page</i>				
	EARTHING:				
1.21	DC installation earthing connected at the combiner box comprising of 25sq.mm SC PVC insulated copper cable from the roof to copper earth electrode of size 1200mm long x15mm diameter enclosed by a concrete manhole of size 200x150x150mm with removable per the Power Company requirements in duct and concrete cover to approval	1	Item		
1.22	Allow for cable management, cable ties and anchoring at intervals of 1000mm along the cable containment. All cable ties and anchoring must be sufficient in terms of length and strength for particular cables. Note all cables must be easily identifiable at every section	1	Item		
1.23	Climbing ladder to Project Engineer specification as per site conditions.	1	Item		
1.23	Allow for any other accessory required to fully complete the installation. This should include brackets for anchoring the panels to the support structure. Give a breakdown as part of your tender submission complete with rates	1	Item		
	<i>Any other accessory required to fully complete the installation., please specify below and attach catalogues.</i>				
	i)				
	ii)				
	iii)				
	iv)				
	v)				
	vi)				
	TOTAL FOR SOLAR INSTALLATION WORKS CARRIED TO SUMMARY PAGE				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
<u>ELECTRICAL WORKS PROVISIONAL SUMS</u>					
A	POWER : KENYA POWER AND LIGHTING COMPANY APPLICATION SUPPLY AND LIASON	1	ITEM	1,000,000.00	1,000,000.00
B	ICT INSTALLATIONS	1	ITEM	1,800,000.00	1,800,000.00
C	MATV INSTALLATIONS	1	ITEM	50,000.00	50,000.00
D	CONTINGENCIES: ALLOW FOR A CONTINGENCY SUM OF KSHS. 1,000,000.00 FOR ELECTRICAL WORKS	1	ITEM	1,000,000.00	1,000,000.00
TOTAL FOR ELECTRICAL WORKS PROVISIONAL SUMS CARRIED TO SUMMARY PAGE					3,850,000.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<u>ELECTRICAL WORKS SUMMARY PAGE</u>				
1.0	PRELIMINARIES				
2.0	TOTAL BROUGHT FORWARD FOR SITE POWER RETICULATION				
3.0	TOTAL BROUGHT FORWARD FOR DIESEL GENERATOR				
4.0	TOTAL BROUGHT FORWARD FOR LIGHTNING PROTECTION				
5.0	TOTAL BROUGHT FORWARD FOR LOWER GROUND FLOOR				
6.0	TOTAL BROUGHT FORWARD FOR GROUND FLOOR				
7.0	TOTAL BROUGHT FORWARD FOR FIRST FLOOR				
8.0	TOTAL BROUGHT FORWARD FOR SECOND FLOOR				
9.0	TOTAL BROUGHT FORWARD FOR THIRD FLOOR				
10.0	TOTAL BROUGHT FORWARD FOR SOLAR WORKS				
11.0	TOTAL BROUGHT FORWARD FOR PC SUMS				3,850,000.00
	TOTAL FOR ELECTRICAL WORKS CARRIED TO GRAND SUMMARY PAGE				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
MECHANICAL WORKS					
<u>BILL NO. 1 - SANITARY FITTINGS</u>					
<u>LOWER GROUND FLOOR</u>					
Supply, deliver, install and fix the following sanitary fittings including all materials and jointing to supply, waste/soil and overflow pipes. Brand names for products are specified only as an indication of quality. Equal and approved appliances may be supplied. Where trade names are mentioned, the Ref. No. is intended only as a guide to the type and quality of fittings					
A	Ambulant Disabled Water Closet suite Low level wash down water closet suite for the elderly and disabled in white complete with horizontal outlet AND BOTTOM SUPPLY AND OVERFLOW WITH CLOSE COUPLING SIDE LEVER TREATMENT, 7.5 litre cistern, raised heavy duty toilet seat and cover and S-trap outlet and 600 x 35mm stainless steel grab rails (4No.) in stainless steel. The set to be complete with wash hand basin, 6mm thick mirror, toilet roll holder and robe hook. All to be as "Twyfords Avalon BTW" or approved equivalent.	2	No		
B	Asian Water Closet Squatting water closet suite in vitreous china comprising of water closet bowl with top plate and integral foot threads, S-trap connector, flush valve as COBRA and associated pipeworks for inlet connection to the water closet pan. All to be as "Twyfords Oriental" or approved equivalent.	11	No		
C	Urinal One urinal set in white vitreous china comprising 1No. bowl with 1No. division complete with bowl/divisions support complete with urinal flush valve as Cobra No.FJ 6000, 3/4" Flush Master Junior, CP, exposed type with integral ballstop valve and wall plate, complete with C.P. flush pipe and fittings for top inlet spreader.	8	No		
D	Pedestal wash hand basin size 575 x 500mm with single tap hole, 32mm diameter chrome plated chain waste, chain stay hole, chrome plated non-conculsive time delay press action pillar tap as Cobra model and heavy duty chrome plated bottle trap (32mm 'P' trap) with 75mm seal. To be of Duravit D-Code CAT No. 0337540000 countertops washhand basin or equal and approved.	8	No		
E	Toilet roll holder Lockable Jumbo Toilet roll holder as "Kimberly Clarke" in chrome finish or equivalent approved	12	No		
	Total c/f to next page				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	Total b/d from previous page				
A	Soap Dispenser Liquid Soap Dispenser as Kimberly Clark, electronic cassette skin care liquid soap dispenser (1200ml), infrared sensor-actuated	6	No		
B	Cleaners Sink Heavy duty sink size 455 x 380 x 230mm deep in fireclay complete with hardwood pad on the front edge and fitted bucket aluminium alloy grating and 20mm chrome plated wall mounted inclined bricon tap, chrome plate chain and rubber stopper and heavy gauge 1 1/2" bottle trap and stainless steel legs. All as "Armitage Shanks Birch" or approved equivalent.	2	No		
C	Kitchen Sink Single Bowl, Single Drainer stainless steel kitchen sink. Size 1000 x 500mm as manufactured by ASL, bowl size 430 x 420 x 200mm deep complete with chrome plated 40mm waste fittings, plugs, chain stays, overflow, 1 No. chrome plated sink mixer tap with over-arm swivel spout as Cobra model 166/04 with carina handle, and 40mm diameter chrome plated bottle trap with 75mm deep seal and chain waste fitting.	3	No		
D	15mm diameter x 300mm long flexible connectors complete with integral chrome plated angle valve as Cobra or equal and approved.	20	No		
E	Mirrors 6mm thick polished plate glass, silver backed mirror with beveled edges, size 610x497mm plugged and screwed to wall with 4No. Chrome plated chrome capped screws and 5mm thick foam back nest.	8	No		
F	Robe hook Robe hook in vitreous china and in white colour mounted unto a concealed screw to wall wedges, to be as Twyfords OC 6858 1998 or approved equivalent.	12	No		
G	Hand Driers Jet Hand Dryer as Mediclinics Dualflow Plus high speed hand M14 hand dryer complete with high speed Class F universal brush motor and with integral HEPA filter and carbon filter. Dryer to be in Black or Satin finish to approval.	6	No		
	Total for Sanitary Fittings Ground floor carried to Collection Page Mech - 10				
	GROUND FLOOR				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
A	<p>Ambulant Disabled Water Closet suite Low level wash down water closet suite for the elderly and disabled in white complete with horizontal outlet AND BOTTOM SUPPLY AND OVERFLOW WITH CLOSE COUPLING SIDE LEVER TREATMENT, 7.5 litre cistern, raised heavy duty toilet seat and cover and S-trap outlet and 600 x 35mm stainless steel grab rails (4No.) in stainless steel. The set to be complete with wash hand basin, 6mm thick mirror, toilet roll holder and robe hook. All to be as "Twyfords Avalon BTW" or approved equivalent.</p>	3	No		
B	<p>Asian Water Closet Squatting water closet suite in vitreous china comprising of water closet bowl with top plate and integral foot threads, S-trap connector, flush valve as COBRA and associated pipeworks for inlet connection to the water closet pan. All to be as "Twyfords Oriental" or approved equivalent.</p>	16	No		
C	<p>Urinal One urinal set in white vitreous china comprising 1No. bowl with 1No. division complete with bowl/divisions support complete with urinal flush valve as Cobra No.FJ 6000, 3/4" Flush Master Junior, CP, exposed type with integral ballstop valve and wall plate, complete with C.P. flush pipe and fittings for top inlet spreader.</p>	10	No		
D	<p>Pedestal wash hand basin size 575 x 500mm with single tap hole, 32mm diameter chrome plated chain waste, chain stay hole, chrome plated non-conculsive time delay press action pillar tap as Cobra model and heavy duty chrome plated bottle trap (32mm 'P' trap) with 75mm seal. To be of Duravit D-Code CAT No. 0337540000 countertops washhand basin or equal and approved.</p>	12	No		
E	<p>Toilet roll holder Lockable Jumbo Toilet roll holder as "Kimberly Clarke" in chrome finish or equivalent approved</p>	19	No		
	Total c/f to next page				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	Total b/d from previous page				
A	Soap Dispenser Liquid Soap Dispenser as Kimberly Clark, electronic cassette skin care liquid soap dispenser (1200ml), infrared sensor-actuated	6	No		
B	Cleaners Sink Heavy duty sink size 455 x 380 x 230mm deep in fireclay complete with hardwood pad on the front edge and fitted bucket aluminium alloy grating and 20mm chrome plated wall mounted inclined bricon tap, chrome plate chain and rubber stopper and heavy gauge 1 1/2" bottle trap and stainless steel legs. All as "Armitage Shanks Birch" or approved equivalent.	2	No		
D	15mm diameter x 300mm long flexible connectors complete with integral chrome plated angle valve as Cobra or equal and approved.	15	No		
E	Mirrors 6mm thick polished plate glass, silver backed mirror with beveled edges, size 610x497mm plugged and screwed to wall with 4No. Chrome plated chrome capped screws and 5mm thick foam back nest.	12	No		
F	Robe hook Robe hook in vitreous china and in white colour mounted unto a concealed screw to wall wedges, to be as Twyford's OC 6858 1998 or approved equivalent.	19	No		
G	Hand Driers Jet Hand Dryer as Mediclinics Dualflow Plus high speed hand M14 hand dryer complete with high speed Class F universal brush motor and with integral HEPA filter and carbon filter. Dryer to be in Black or Satin finish to approval.	6	No		
	Total for Ground floor sanitary fittings c/f to collection page Mech - 10				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
FIRST FLOOR					
A	<p>Ambulant Disabled Water Closet suite Low level wash down water closet suite for the elderly and disabled in white complete with horizontal outlet AND BOTTOM SUPPLY AND OVERFLOW WITH CLOSE COUPLING SIDE LEVER TREATMENT, 7.5 litre cistern, raised heavy duty toilet seat and cover and S-trap outlet and 600 x 35mm stainless steel grab rails (4No.) in stainless steel. The set to be complete with wash hand basin, 6mm thick mirror, toilet roll holder and robe hook. All to be as "Twyfords Avalon BTW" or approved equivalent.</p>	3	No		
B	<p>Asian Water Closet Squatting water closet suite in vitreous china comprising of water closet bowl with top plate and integral foot threads, S-trap connector, flush valve as COBRA and associated pipeworks for inlet connection to the water closet pan. All to be as "Twyfords Oriental" or approved equivalent.</p>	16	No		
C	<p>Urinal One urinal set in white vitreous china comprising 1No. bowl with 1No. division complete with bowl/divisions support complete with urinal flush valve as Cobra No.FJ 6000, 3/4" Flush Master Junior, CP, exposed type with integral ballstop valve and wall plate, complete with C.P. flush pipe and fittings for top inlet spreader.</p>	10	No		
D	<p>Pedestal wash hand basin size 575 x 500mm with single tap hole, 32mm diameter chrome plated chain waste, chain stay hole, chrome plated non-conculsive time delay press action pillar tap as Cobra model and heavy duty chrome plated bottle trap (32mm 'P' trap) with 75mm seal. To be of Duravit D-Code CAT No. 0337540000 countertops washhand basin or equal and approved.</p>	12	No		
E	<p>Toilet roll holder Lockable Jumbo Toilet roll holder as "Kimberly Clarke" in chrome finish or equivalent approved</p>	19	No		
F	<p>Soap Dispenser Liquid Soap Dispenser as Kimberly Clark, electronic cassette skin care liquid soap dispenser (1200ml), infrared sensor-actuated</p>	6	No		
Total c/f to next page					

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
A	<p>Total b/f from page above</p> <p>Cleaners Sink Heavy duty sink size 455 x 380 x 230mm deep in fireclay complete with hardwood pad on the front edge and fitted bucket aluminium alloy grating and 20mm chrome plated wall mounted inclined bricon tap, chrome plate chain and rubber stopper and heavy gauge 1 1/2" bottle trap and stainless steel legs. All as "Armitage Shanks Birch" or approved equivalent.</p>	2	No		
B	<p>Kitchen Sink Single Bowl, Single Drainer stainless steel kitchen sink. Size 1000 x 500mm as manufactured by ASL, bowl size 430 x 420 x 200mm deep complete with chrome plated 40mm waste fittings, plugs, chain stays, overflow, 1 No. chrome plated sink mixer tap with over-arm swivel spout as Cobra model 166/04 with carina handle, and 40mm diameter chrome plated bottle trap with 75mm deep seal and chain waste fitting.</p>	2	No		
	<p>Total for First Floor Sanitary fittings c/f to collection page Mech - 10</p>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
SECOND FLOOR					
A	<p>Ambulant Disabled Water Closet suite Low level wash down water closet suite for the elderly and disabled in white complete with horizontal outlet AND BOTTOM SUPPLY AND OVERFLOW WITH CLOSE COUPLING SIDE LEVER TREATMENT, 7.5 litre cistern, raised heavy duty toilet seat and cover and S-trap outlet and 600 x 35mm stainless steel grab rails (4No.) in stainless steel. The set to be complete with wash hand basin, 6mm thick mirror, toilet roll holder and robe hook. All to be as "Twyfords Avalon BTW" or approved equivalent.</p>	3	No		
B	<p>Asian Water Closet Squatting water closet suite in vitreous china comprising of water closet bowl with top plate and integral foot threads, S-trap connector, flush valve as COBRA and associated pipeworks for inlet connection to the water closet pan. All to be as "Twyfords Oriental" or approved equivalent.</p>	16	No		
C	<p>Urinal One urinal set in white vitreous china comprising 1No. bowl with 1No. division complete with bowl/divisions support complete with urinal flush valve as Cobra No.FJ 6000, 3/4" Flush Master Junior, CP, exposed type with integral ballstop valve and wall plate, complete with C.P. flush pipe and fittings for top inlet spreader.</p>	10	No		
D	<p>Pedestal wash hand basin size 575 x 500mm with single tap hole, 32mm diameter chrome plated chain waste, chain stay hole, chrome plated non-conculsive time delay press action pillar tap as Cobra model and heavy duty chrome plated bottle trap (32mm 'P' trap) with 75mm seal. To be of Duravit D-Code CAT No. 0337540000 countertops washhand basin or equal and approved.</p>	12	No		
E	<p>Toilet roll holder Lockable Jumbo Toilet roll holder as "Kimberly Clarke" in chrome finish or equivalent approved</p>	19	No		
F	<p>Soap Dispenser Liquid Soap Dispenser as Kimberly Clark, electronic cassette skin care liquid soap dispenser (1200ml), infrared sensor-actuated</p>	6	No		
F	<p>Cleaners Sink Heavy duty sink size 455 x 380 x 230mm deep in fireclay complete with hardwood pad on the front edge and fitted bucket aluminium alloy grating and 20mm chrome plated wall mounted inclined bricon tap, chrome plate chain and rubber stopper and heavy gauge 1 1/2" bottle trap and stainless steel legs. All as "Armitage Shanks Birch" or approved equivalent.</p>	2	No		
Total for second floor sanitary fittings c/f to collection page Mech - 10					

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
THIRD FLOOR					
A	<p>Ambulant Disabled Water Closet suite Low level wash down water closet suite for the elderly and disabled in white complete with horizontal outlet AND BOTTOM SUPPLY AND OVERFLOW WITH CLOSE COUPLING SIDE LEVER TREATMENT, 7.5 litre cistern, raised heavy duty toilet seat and cover and S-trap outlet and 600 x 35mm stainless steel grab rails (4No.) in stainless steel. The set to be complete with wash hand basin, 6mm thick mirror, toilet roll holder and robe hook. All to be as "Twyfords Avalon BTW" or approved equivalent.</p>	1	No		
B	<p>Asian Water Closet Squatting water closet suite in vitreous china comprising of water closet bowl with top plate and integral foot threads, S-trap connector, flush valve as COBRA and associated pipeworks for inlet connection to the water closet pan. All to be as "Twyfords Oriental" or approved equivalent.</p>	5	No		
C	<p>Urinal One urinal set in white vitreous china comprising 1No. bowl with 1No. division complete with bowl/divisions support complete with urinal flush valve as Cobra No.FJ 6000, 3/4" Flush Master Junior, CP, exposed type with integral ballstop valve and wall plate, complete with C.P. flush pipe and fittings for top inlet spreader.</p>	3	No		
D	<p>Pedestal wash hand basin size 575 x 500mm with single tap hole, 32mm diameter chrome plated chain waste, chain stay hole, chrome plated non-conculsive time delay press action pillar tap as Cobra model and heavy duty chrome plated bottle trap (32mm 'P' trap) with 75mm seal. To be of Duravit D-Code CAT No. 0337540000 countertops washhand basin or equal and approved.</p>	10	No		
E	<p>Toilet roll holder Lockable Jumbo Toilet roll holder as "Kimberly Clarke" in chrome finish or equivalent approved</p>	8	No		
F	<p>Soap Dispenser Liquid Soap Dispenser as Kimberly Clark, electronic cassette skin care liquid soap dispenser (1200ml), infrared sensor-actuated</p>	8	No		
G	<p>Kitchen Sink Single Bowl, Single Drainer stainless steel kitchen sink. Size 1000 x 500mm as manufactured by ASL, bowl size 430 x 420 x 200mm deep complete with chrome plated 40mm waste fittings, plugs, chain stays, overflow, 1No. chrome plated sink mixer tap with over-arm swivel spout as Cobra model 166/04 with carina handle, and 40mm diameter chrome plated bottle trap with 75mm deep seal and chain waste fitting.</p>	2	No		
Total c/f to next page					

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
A	<p>Total b/f from page above</p> <p>Water Closet Close coupled WC with 'P'-trap in approved colour complete with horizontal outlet to BS 3402 with heavy plastic seat and cover with fixed hinges and 6L cistern with top flush. All to be as Duravit D-code water closet pan or equal and approved.</p>	5	No		
	<p>Total for Third floor Sanitary Fittings first floor c/f to Collection Page Mech -10</p>				
	<p>SANITARY FITTINGS</p>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	COLLECTION PAGE				
1	Total for lower ground floor sanitary fittings b/f from page Mech - 2				
2	Total for ground floor sanitary fittings brought forward from page Mech - 4				
3	Total for first floor sanitary fittings fittings brought forward from page Mech - 6				
4	Total for second floor sanitary fittings brought forward from page Mech - 7				
5	Total for third floor sanitary fittings brought forward from page Mech - 9				
	Total for sanitary fittings carried forward to summary page Mech - 31				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	Bill No. 2: PLUMBING AND DRAINAGE PIPEWORK				
	INTERNAL PLUMBING COLD WATER				
	PPR Pipes				
	Supply, deliver and install Polypropylene Random (PP-R) 20 pipework to DIN 8077 with joints, couplings, reducers, tees, adaptors, pipe fixing clips etc all to DIN 16962 and DIN 16928 .Pipe jointing shall be by polyfusion or use of electric coupling. Where pipework is not chased proper anchoring using approved fixtures shall be done. No pipework shall be left exposed to the sun. Rates must allow for all Metal/plastic threaded adaptors where required for the connection of sanitary fixtures, valves, sockets, sliding and fixed joints, support raceways, isolating sheaths, elastic materials, expansion arms and bends, crossovers, couplings, clippings, connectors, joints etc. as required in the running lengths of pipework and also where necessary, for pipe fixing clips, holder bats plugged and screwed for the proper and satisfactory functioning of the system.				
A	20mm diameter pipework	100	Lm		
B	25mm diameter pipework	550	Lm		
C	32mm diameter pipework	350	Lm		
D	40mm diameter pipework	350	Lm		
E	50mm diameter pipework	300	Lm		
F	63mm diameter pipework	250	Lm		
	Bends				
G	20mm diameter bend	150	No.		
H	25mm diameter bend	180	No.		
I	32mm diameter bend	50	No.		
J	40mm diameter bend	40	No.		
K	50mm diameter bend	30	No.		
L	63mm diameter bend	10	No.		
	Tees				
M	25mm diameter tee	180	No.		
N	32mm diameter tee	50	No.		
O	40mm equal tee	80	No.		
P	50mm equal tee	20	No.		
Q	63mm equal tee	5	No.		
	Total Carried Forward to Collection Page Mech -15				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	Reducers				
A	25 x 20mm diameter reducer	100	No.		
B	32 x 25mm diameter reducer	50	No.		
C	40 x 32mm diameter reducer	50	No.		
D	50 x 32mm diameter reducer	50	No.		
E	63 x 50mm diameter reducer	10	No.		
	Male/Female Adapters (Brass threaded)				
F	20mm brass threaded adapter	150	No.		
G	25mm brass threaded adapter	50	No.		
H	32mm brass threaded adapter	20	No.		
I	40mm brass threaded adapter	20	No.		
	Threaded Brass Coupling				
J	25mm threaded brass coupling	150	No.		
K	40mm threaded brass coupling	20	No.		
L	50mm threaded brass coupling	10	No.		
M	65mm threaded brass coupling	10	No.		
	Valves				
N	25mm gate valve	50	No.		
O	32mm gate valve	20	No.		
P	40mm gate valve	10	No.		
Q	50mm gate valve	10	No.		
R	65mm gate valve	4	No.		
	Unions				
S	25mm diameter pipe union	50	No.		
T	32mm diameter pipe union	20	No.		
U	40mm diameter pipe union	10	No.		
V	50mm diameter pipe union	10	No.		
W	65mm diameter pipe union	4	No.		
	Pipe Sleeves				
X	40-100mm diameter heavy duty PVC pipe sleeves for crossing over columns and beams	50	Lm		
	Sterilization				
Y	Allow for flushing out and sterilizing the whole system with chlorine to the satisfaction of the engineer	1	Sum		
	Testing and Commissioning				
Z	Allow for testing and commissioning of the plumbing and drainage installations to the satisfaction of the Engineer.	1	Item		
	Total Carried Forward to Collection Page Mech - 15				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	FOUL WATER INTERNAL DRAINAGE Supply ,deliver and install the following UPVC, MUPVC, soil and waste systems respectively to KS 1452 for golden brown pipes and KS ISO 3633 for grey pipes with fittings fixed to Manufactures Printed instructions and manufactured by reputable manufacturers. Tenderers must allow in their pipework prices for all the couplings, clippings, connectors, joints etc. as required in the running lengths of pipework and also where necessary, for pipe fixing clips, holder bats plugged and screwed for the proper and satisfactory functioning of the system.				
	MuPVC and uPVC Waste and Soil pipework				
A	150mm diameter heavy gauge	350	Lm		
B	100mm diameter heavy gauge golden brown UPVC	300	Lm		
C	50mm diameter waste pipe	200	Lm		
D	40mm diameter waste pipe	150	Lm		
	Bends				
E	150mm diameter bend	30	No.		
F	100mm diameter sweep bend	100	No.		
G	50mm diameter sweep bend	250	No.		
H	40mm diameter sweep bend	200	No.		
	Tees				
	150mm diameter sweep tee				
N	100mm diameter sweep tee	50	No.		
O	50mm diameter sweep tee	70	No.		
P	40mm diameter sweep tee	120	No.		
	Access Caps				
Q	100mm diameter access cap	20	No.		
R	50mm diameter access cap	30	No.		
S	40mm diameter access cap	120	No.		
	Boss Connectors				
T	100 x 50mm diameter boss connector	70	No.		
V	100 X 40mm diameter boss connector	20	No.		
	Single Branches				
W	100mm diameter Single branch	70	No.		
	Double branch				
X	100mm diameter double branch	20	No.		
	Total Carried Forward to Collection Page Mech - 15				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
A	WC Connectors 100mm diameter WC connector	80	No.		
B	Traps 100 x 50mm diameter floor trap and grating	30	No.		
C	Inspection Chamber Standard 600 x 450 x (600-1000)mm inspection chamber complete with concrete cover as made by East african Foundry or Equivalent.	35	No.		
D	Gully traps Standard 300 x 300 mm gully trap chamber complete with concrete cover and plastic trap with 100mm seal.	15	No.		
E	Weathering Slates and Vent Cows 100mm diameter weathering slate and apron.	30	No.		
F	100mm diameter vent cowl	30	No.		
	ROOF DRAINAGE Supply and fix uPVC pipes to BS 4660 and BS 4515 and MuPVC pipes to BS 5255 with screwed and socketed joints to BS 21. Solvent welded joints shall be as per the system's manufacturer's written instructions. Tenderers must allow in their pipework prices for all the couplings, clippings, connectors, joints etc. as required in the running lengths of pipework & also where necessary, for pipe fixing clips, holder bats plugged & screwed for the proper & satisfactory functioning of the system.				
G	Pipes 100mm diameter heavy gauge grey mUPVC pipe	200	Lm		
	Bends				
H	100mm diameter 45 degrees bend	30	No.		
I	100mm diameter sweep bend	30	No.		
	Fulbora				
J	100mm diameter PVC fullbora	30	No.		
K	Allow for testing & commissioning of drainage installations	1	Item		
Total Carried Forward to Collection Page Mech - 15					

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
------	-------------	-----	------	------	-------

COLLECTION PAGE FOR PLUMBING AND DRAINAGE

1	Total carried forward from page Mech - 11	.....	.....
2	Total carried forward from page Mech - 12	.....	.....
5	Total brought forward from page Mech - 13	.....	.....
6	Total brought forward from page Mech - 14	.....	.....
Total Amount for Plumbing and drainage Carried forward to main Summary page Mech - 31					

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<p>Bill No 3: LABORATORY INSTALLATIONS</p> <p>Laboratory sink</p> <p>“Vulcathene” black injection moulded polypropylene sink with self-draining base and an outlet to accept the waste described below as Cat No.602 complete with:-</p> <p>A - “Vultex Labline” bench mounted 1-way outlet fitting with inlet for supply and side valve having swivel nozzle and spout.</p> <p>- “Vulcathene” 1½” waste, plug, back, nut, butyl rubber gasket, grating and chain as Cat No.504.</p> <p>- “Vulcathene” anti-siphon bottle trap as Cat No. W561.</p> <p>Wall Mounted Emergency Drencher shower and eye wash fountain</p> <p>Emergency Drencher Shower for use where accidental splashing of acid, chemical or radioactive chemical demands instant attention. Automatic in action, the shower sends down torrential cascade of water as soon as the user pulls the chain. 1 1/4" non-concussive valve with chain and rubber, 305mm diameter shower head with pipe and wall stays. Metal work chrome-plated. As Method "Model: EQ 9930H" or equal and approved.</p> <p>B</p> <p>Counter Top Mounted Eye Wash (Swivel Type)</p> <p>All chrome-plated metal eye wash fountain which instantly provides a gentle stream of water to wash the eyes in the event of an accident. The unit shall be as "METHOD MODEL EXG 313" or equal and approved.</p> <p>C</p> <p>D 1 1/4” diameter waste complete with integral grating, removable chained plug and backnut as Vulcathene Ref. No. 504.</p> <p>E Allow for a small oval Drip Cup moulded with an internal grating as Vulcathene Ref. No. 497 and complete with backnut, anti-siphon bottle trap as Vulcathene Ref. No. W561 and other necessary connection fittings.</p>	<p>135</p> <p>7</p> <p>40</p> <p>135</p> <p>40</p>	<p>No</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p>		
	Total carried forward to collection page Mech - 19				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
A	<p>FUME CUPBOARD</p> <p>Supply, deliver and install a Fume Cupboard of exterior dimensions of 1200mm wide x 1000mm deep x 2400mm high. Fume Cupboard to be complete with sliding plexiglass face with a 12" work opening running full width of cabinet, counterbalance weight at the back, base cabinet with sliding doors, an 8" diameter exhaust collar connections, extract fan, fan flexible connectors overhead instrument control panel, and shall incorporate a Vulcathene Sink, L.P. gas outlet and a non-corrosive bulkhead light. Fume Cupboard to be lined with epoxy coated Aluminium on working surface and sides.</p> <p>Fume Cupboard to be as 'Nimrod F 3000' or equal and approved equivalent Fume Cupboard extract fan capable of 0.4m³/s against a system pressure drop of 50N/m². Casing of the fan to be in rigid PVC, impellers moulded in phenolic resin and motor protected by sealing coat of polyurethane compound.</p> <p>Fan to be complete with motor starter, Electrical control panel fixed near the Fume cupboard with ON/OFF and trip and a manual override in the plant room, flexible connections anti-vibration mountings, supports. Fan to be as "WOODS" fume cupboard fan size 12" running at 1400 RPM or equal and approved equivalent.</p> <p>Fume Cupboard Extract Ductwork</p> <p>Supply, Deliver & Install 200mm diameter UPVC Ductwork for the Fume cupboard above</p>	7	No		
B	200mm diameter uPVC pipework class 'D'	60	Lm		
C	Holderbats for 200mm diameter pipework	24	Item		
D	200mm diameter Bends	31	No.		
E	200mm diameter ventilating Cowls	7	No.		
F	Weathering Slate for 200mm Ø pipe	7	No.		
G	Weathering Apron for 200mm Ø pipe	7	No.		
Total carried forward to collection page Mech - 19					

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	FOUL WATER INTERNAL DRAINAGE				
	Supply, deliver and fix the following in UPVC soil and waste systems to BS 4514 and 5225 with fittings fixed in accordance to the manufacturer's printed instructions and BS 5572 and manufactured by "KEY TERRAIN" for UPVC and vulcathene pipes by "VULCATHENE-DURAPIPE-S&LP" as described. All UPVC and vulcathene branches, Tees, reducing Tees, reducers etc. are to be formed in accordance to the manufacturer's printed instruction. The installations to have the various sizes of connectors, adaptors, sockets, reducers holdbats, clips etc. as required for satisfactory functions.				
	Dilution Recovery Traps				
A	Dilution Recovery Traps with a capacity of 2.3 litres with a trap seal of 76mm and a three top inlet connections. To be made of heat resistant borrosilicate glass base and supplied complete with horizontal inlet adapter, vertical inlet, glass dip tube and blanking off plug together with suitable support and nut couplings for screwing to waste inlets and outlets as Vulcathane W681 or equal and approved.	71	No.		
	Vulcathene Pipes				
B	38mm diameter vulcathene pipe	150	Lm		
C	51mm diameter vulcathene pipe	200	Lm		
	Vulcathene Floor Traps				
D	100x50mm diameter acid resistant floor trap	21	No.		
	Bends				
E	38mm diameter vulcathene sweep bend	135	No.		
F	51mm ditto	150	No.		
G	38mm vulcathene sweep tee	95	No.		
H	51mm ditto	100	No.		
I	38 diameter vulcathene access cap	135	No.		
J	51 diameter ditto	45	No.		
	Reducing coupler				
L	51x 38 Vulcathene reducing socket	75	No.		
M	102x 51 Vulcathene reducing socket	11	No.		
	Pipe Sleeves				
N	100mm diameter heavy duty PVC pipe sleeves	50	Lm		
Total to the collection page Mech - 19					

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
COLLECTION PAGE FOR LABORATORY WORKS					
Item	Description				Amount (Kshs)
1	Total brought forward from page Mech - 16	.....		
2	Total brought forward from page Mech - 17	.....		
3	Total brought forward from page Mech - 18	.....		
Total Installation Works For Laboratory Carried to Summary Page Mech - 31					

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	Bill No 4: LP Gas Installations				
	LABORATORY L.P GAS INSTALLATION				
A	L.P Gas storage tank of One Ton (1000)kg capacity complete with all control valves and installation on concrete platform.	1	No		
B	L.P gas supply	1000	Kg		
C	25mm diameter seamless steel or copper gas supply pipe to laboratories from the storage tank complete with fittings and accessories	168	Lm		
D	WATER RETICULATION				
E	25mm diameter PPR pipe bend	200	No		
F	25mm diameter bend	250	No		
G	20mm diameter PPR pipe	300	Lm		
H	20 diameter bend	270	No		
J	15mm diameter PPR pipe	150	No		
K	15mm diameter bend	200	No		
L	20mm diameter Tee	150	No		
M	15mm diameter Tee	150	No		
N	LPG pressure gauge pound to pound control pressure gauge	2	No		
P	50mm diameter GMS manifold with 3no branch tapings to gas cylinders c/w mounting plugs	1	No		
	Copper tubing.				
Q	6/8 dia. Copper tubing	300	Lm		
R	8/10 ditto	450	Lm		
S	10/12 ditto	150	Lm		
	Extra Over Copper tubing for the following fittings.				
T	6/8mm diameter Brass Equal Tee	135	No		
U	8/10mm ditto	150	No		
V	10/12mm ditto	50	No		
W	8/10x6/8mm diameter Brass Un equal Tee	50	No		
X	10/12x8/10mm ditto	30	No		
Y	10/12x8/10mm diameter Brass Reducer	150	No		
	Gas Valves.				
AA	6/8mm diameter approved quarter turn lever operated ball valve to BS 5154 and joints to copper	70	No		
	Pressure regulator.				
AB	15mm dia. First stage gas pressure regulator as Rego 2403 V.9 complete with connections and brackets for 1 No gas cylinder Tank.	3	No		
AC	15mm dia. Second stage gas pressure regulator as Rego 2503 B for the supply pipe.	3	No		
	Gas outlet (Tap)				
	Total c/f t next page				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
<p>A</p>	<p>Total b/f from page above</p> <p>Low pressure LP gas outlet with a safety drop lever to prevent accidental turn on 2 CFM at 2 p.s.i,4mm diameter outlet and 1/4 BSP tail with backnut. The outlet shall be as Vultex Labline 2 way bench mounted with 2 cocks spaced at 90o angle model No. VL 2601/D 90o angle model No. VL 2601/D</p>	75	No		
	<p>SAFETY CABINET</p>				
<p>B</p>	<p>A biosafety cabinet class III complete with high functionality control panel, real time negative pressure and HEPA filter life,fan with alarm function to be AS METHOD or approved equivalent.</p>	2	No		
<p>C</p>	<p>LP gas detectors</p>	5	No		
<p>D</p>	<p>Solenoid valves</p>	5	No		
<p>E</p>	<p>Allow for Electrical Works for Wiring the valves</p>	1	Item		
<p>F</p>	<p>Allow for Proviission of Electrical power points by Electrical Sub-Contractor</p>	1	Item		
	<p>Total Carried to mechanical summary page Mech -31</p>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<p>BILL NO. 5 : HIGH- & LOW-LEVEL WATER TANKS, BOOSTER PUMPS & WATER RETICULATION AND FIRE HYDRANTS</p> <p>HIGH LEVEL TANK Supply, deliver and Assemble a galvanized High level water tanks, made of galvanized pressed steel sectional tank plates 5mm thick plates (type 1 and 4) and of size 4000deep-6mm thick capacity 72000 litres, preferred dimensions 6000x6000x2000mmThe tank to come complete with tank cover, mosquito proof inspection vent, internal stays, jointing material, bolts and nuts including applying two coats of non-toxic bituminous paint on the inside and two coats of aluminum paint on the outside. The tank shall be complete with the following pipe connections:-</p> <ul style="list-style-type: none"> -65mm diameter overflow -100mm and 75mm diameter outlets -50mm diameter inlet -100mm diameter washout 				
A		1	No		
B	Float switch regulator	1	No		
C	Water level indicator	1	No		
D	Internal ladder	1	No		
E	External ladder from tank platform	1	No		
F	50mm diameter high pressure ball valve	1	No		
	NOTE:The tank shall be mounted on roof top and tenderers must quote for base plate to be provided and installed during casting by others				
G	Float switch regulator	1	No		
H	Water level indicator	1	No		
I	Internal ladder	1	No		
J	External ladder from tank platform	1	No		
K	20m high galvanized tank tower complete with ladder, access, foundation civil works and all necessary functional accessories	1	Item		
	<p>BOOSTER PUMPS Set of automatic electrically driven twin booster pump. One duty and the other one standby with automatic changeover , capable of delivering 6.2 litres per second against a head of 35 meters with a three phase power source. It includes pressure switches, time delay switch, a switch to protect against dry run, timer, gate valves and non-return valves. The pump to be as SGR20-40 or approved equivalent. Pump to be installed on mild steel platform.</p>				
G		1	Set		
Total for High Level Tanks C/F to next page					

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
A	<p>Total brought forward from page above</p> <p>Control Panel</p> <p>Control panel for above pumps with contactors, over voltage and under voltage protection relays, MCBs, timer, start/stop push buttons, internal buttons with automatic changeover, 'running' and 'trip' neon lights control system and button for for change from automatic to manual operation.</p> <p>All these shall be housed in a lockable cabinet (with integral isolator) made from SWG 18 mild steel sheet that is oven powder coated . There shall also be an adjustable time delay switch to ensure pumping cycles are controlled to not more than 6 per hour, cables, low level cut-out switch in low level tank and regulator. Each pump should run for twelve hours per day.</p>	1	Item		
B	<p>Electrical Works</p> <p>Allow for electrical works wiring and fitting to pumps, control panel and float switches from Isolator provided by others</p>	1	Item		
	<p>Total for water tanks carried to collection page Mech - 26</p>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	ASSOCIATED PIPEWORK <u>Supply, deliver and install galvanized mild steel pipes to BS 1387 class 'B' with screwed and socketed joints to BS 134 and 1256 and of approved manufacturer with galvanizing to BS 729. Tenderers must allow in their pipe work prices for all the couplings, unions, connectors joints, holder bats, reducers etc. as required in the running length of the pipework and also where necessary for pipe fixing clips, plugged and screwed.</u>				
	Excavations Excavate trench in red soil/murram for small pipe not exceeding 1000mm deep and average 750mm deep, Part return in, fill and surplus cart away.	400	Lm		
A					
B	Allow for keeping the excavated trenches free of water either by bailing or by pumping.	1	Sum		
	Pipework 65mm diameter G.M.S pipe	150	Lm		
C					
D	100mm ditto	250	Lm		
	Gate Valve 100mm diameter approved rising stem full way high pressure flanged gate valve with wheel and jointing to tubing	3	No		
E					
F	65mm ditto	6	No		
	Sluice Valve 100mm diameter Sluice Valve	2	No		
G					
H	50mm dia. Sluice Valve	4	No		
	Non Return Valve 65mm dia. approved high pressure non- return valve to BS 1952. The non-return valve to be as "Pegler" or approved equivalent.	2	No		
I					
	Air release Valves 65mm diameter air release valve	3	No		
J					
	Drain Valves 100mm diameter drain valve	2	No		
K					
	Tees 65mm diameter equal tee	8	No		
L					
	Bends/Elbows 100mm diameter bend/elbows	6	No		
M					
N	65mm ditto	10	No		
	100mm diameter connecting flange	6	No		
O					
	Total carried forward to next page				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
A	<p>Total brought from page above</p> <p>Valve Chamber</p> <p>Valve chamber size 750 x 750 x 600mm deep with 100mm concrete (1: 3: 6) base 100mm block sides rendered all round in cement and sand (1:4) and with approved hinged and flanged cast iron cover and frame including all necessary excavation, disposal and form work.</p>	1	No		
B	<p>Indicator Plates</p> <p>Standard precast concrete Sluice valve marker post marked 'SV' set in concrete (1:3:6) base, including formwork, excavations backfilling and disposal. The plate to be painted with blue gloss oil paint.</p>	2	No		
C	<p>Fire Hydrants</p> <p>Supply, deliver and install a 65mm diameter screw down type fire hydrant</p>	2	No		
E	<p>Hydrant key and cover key</p> <p>A suitable hydrant key and hydrant cover key for operating the fire hydrant valve</p>	2	Set		
F	<p>25mm air release valve</p>	2	No		
G	<p>Testing and Commissioning</p> <p>Allow for pressure testing and commissioning of the water reticulation installation to the satisfaction of the Engineer.</p>	1	Item		
	<p>Total Pipework C/F to the Collection page Mech - 26</p>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
SUMMARY PAGE					
A	Total amount brought forward for High Level Tank brought forward from page Mech - 23				
B	Total amount brought forward for Associated Pipework brought forward from page Mech - 25				
	Total for Bill No. 5: High & Low Level tanks,Booster Pumps and Water reticulation carried forward to Main Summary Page Mech - 31				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
Bill No. 6: FIRE FIGHTING HOSEREEL SYSTEM AND PORTABLES					
Fire Fighting					
<u>Supply, deliver and install the following fire fighting equipment in positions indicated on the contract drawings or as shall be instructed by the Engineer:</u>					
Hose Reel System					
Hose Reel					
A	Swinging type hosereel fitted with 30 metres long, 25 mm diameter reinforced non-kink rubber hose with 5/6 mm lever operated shut-off nozzle, mild steel feed pipe, isolation valve, guide and all other accessories as 'Angus Fire Armour' or equal and approved	10	No.		
GMS Pipes					
B	25mm diameter GMS pipework	50	Lm		
C	50mm diameter GMS pipework	160	Lm		
Extra Over Pipework					
Bends					
D	25mm diameter bend	15	No.		
E	50mm diameter bend	10	No.		
Tees					
F	50mm diameter equal tee	15	No.		
Reducers					
G	50 x 25 mm diameter reducer	15	No.		
Valves					
H	25mm diameter approved medium pressure screw down full way non-rising stem wedge gate valve to BS 1952, with wheel and head joints to steel tubing. The gate valve to be as PEGLER or approved equivalent.	10	No.		
I	50mm diameter ditto	6	No.		
Unions					
J	25mm diameter pipe unions	10	No.		
K	50mm diameter pipe unions	6	No.		
Total Carried Forward to Collection Page Mech - 30					

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
A	<p>Hosereel Pumpset</p> <p>Hose reel pumpset, one duty, the other standby mounted on a frame with a stainless steel base plate. Each pump shall have a duty 8m³/hr. against 60m head as Grundfos model or approved equivalent. In addition, there shall be a 60 litres diaphragm pressure vessel (as Varem or approved equivalent), pressure switches, a switch to protect dry run, 65mm foot valve and strainer, tank connections, gate valves and non-return valves. Control shall be effected via a pressure switch through a pre-wired control panel which shall give automatic change-over from duty to standby pump within 5 seconds should the duty pump fail to deliver for any reason. The pumpset shall include all non-returns valves, timer, isolating valves and pipe connections and control panel with all necessary</p>	1	Set		
B	<p>Control Panel</p> <p>Control panel for the above pumps with contactors, over voltage and under voltage protection relays, MCBs, start/stop push buttons and indicators lights. All this shall be housed in a lockable cabinet (with integral isolator) made from SWG 18stainless steel sheet that is oven powder coated.The controls shall also include a float switch or flow switch for prevention against dry running complete with its cable</p>	1	Item		
C	<p>Painting</p> <p>Allow for painting of the hose reel pipework as per Engineers specifications.</p>	1	Item		
Total Carried Forward to Collection Page Mech - 30					

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
FIRE EXTINGUISHERS					
A	Carbon Dioxide Gas Fire Extinguisher 9 litres carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets	16	No		
B	Water Fire Extinguisher 9litres portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets	16	No		
C	Dry powder fire extinguisher 6kg dry powder chemical fire extinguisher complete with pressure gauge, initial charge and mounting brackets	16	No		
D	Fire Notices Allow for fire signage for the hose reel system, fire exits, fire instructions as directed by engineer	20	No		
Total Carried Forward to Collection Page Mech - 30					

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
------	-------------	-----	------	------	-------

**COLLECTION PAGE FOR HOSEREEL SYSTEM AND
PORTABLES**

1	Total from page Mech - 27 ..... .....	..... .....	|	|
2	Total from page Mech - 28 ..... .....	..... .....	|	|
3	Total from page Mech - 29 ..... .....	..... .....	|	|
	Total Amount for Hosereel and Portables carried forward to Main summary page Mech - 31				

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
<p align="center"><u>SANITARY FITTINGS, PLUMBING AND DRAINAGE, LABORATORY, WATER TANKS AND PUMPS, FIRE FIGHTING SUMMARY PAGE</u></p>					
1	Total for Preliminaries				350,000.00
2	Total for Sanitary fittings Installation Works brought forward from page Mech - 10				
3	Total for plumbing and drainage Installation Works brought forward from page Mech - 15				
4	Total for Laboratory works Installation brought forward Mech - 19				
5	Total for Laboratory LP Gas Installation brought forward Mech - 21				
6	Total for Water tanks and pumps Installation Works brought forward form page Mech - 26				
7	Total for fire fighting: hose reel and portables brought forward from page Mech - 30				
8	Allow for Ksh 1,000,000 contingency sum to be used at the discretion of the Project Mechanical Engineer				1,000,000.00
Total Amount for Mechanical Works Carried to Main Works Summary					

Amount in words.....

.....

Tenderer's Name and Stamp.....

.....

.....

Address.....

.....

.....

Period To Execute The Works

Tenderer's V.A.T No

Tenderer's P.I.N No

Telephone No.

Mobile No.

Tenderer's Signature Date.....

Witness Signature Date.....

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
	<u>PRIME COST AND PROVISIONAL SUMS</u>				
A	Allow a Prime Cost Sum for Lift Installation Works				5,000,000.00
B	Allow a Per Centage for Profit %				250,000.00
C	Allow for attendance (Sum)				250,000.00
D	Allow a provisional Sum for construction of generator / power house				1,500,000.00
E	Allow a provisional Sum for construction of gate / gate house				1,800,000.00
F	Allow a provisional Sum for construction of an underground water reservoir tank				3,000,000.00
G	Allow a provisional Sum for Builders Works in connection to Specialist Installations				1,000,000.00
H	Allow a provisional Sum for Drainage and Civil works				1,000,000.00
J	Allow a provisional Sum for Project Documentation Expenses				3,000,000.00
K	Allow a provisional Sum for Project Management, Supervision, Transport, Communication, Training and the like Expenses				5,000,000.00
L	Allow a provisional Sum for E.S.I.A Report				500,000.00
M	Allow a provisional Sum for Contingencies to be Expended at the project managers discretion				15,000,000.00
	TOTAL FOR PRIME COST AND PROVISIONAL SUMS CARRIED TO GRAND SUMMARY				37,300,000.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
<u>GRAND SUMMARY</u>					
		PAGE	TENDERER'S USE	OFFICIAL USE	
	<u>PRELIMINARIES</u>				
1	Particular and General Preliminaries				
	<u>BUILDERS WORKS</u>				
2	Builders Works	BW/25			
3	Foul Drainage	BW/33			
4	Electrical Services Works	BW/62			
5	Mechanical Services Works	BW/93			
	<u>PRIME COST AND PROVISIONAL SUMS</u>				
6	Prime Cost and Provisional Sums	BW/94		37,300,000.00	
	Sub - Total 1	KSHS.			
7	Add 16 % VAT	KSHS.			
	Sub - Total 2	KSHS.			
8	Add 0.03 % PPRA Levy	KSHS.			
	GRAND TOTAL CARRIED TO FORM OF TENDER	KSHS.			

NAME OF TENDERER.....
ADDRESS.....

SIGNATURE..... STATUS.....
DATE.....

NAME OF WITNESS.....
ADDRESS.....

SIGNATURE.....
DATE.....