

REPUBLIC OF KENYA



**MINISTRY OF LANDS, PUBLIC WORKS, HOUSING, AND URBAN
DEVELOPMENT**

STATE DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

Tender Document

For

**PROPOSED CONSTRUCTION OF MUMBUNI HEALTH CENTRE IN
MWALA CONSTITUENCY, MACHAKOS COUNTY**

TENDER NO.

MLPWHUD/SDHUD/AHP/760/2024-2025

Ministry of Lands, Public Works, Housing, and Urban Development,
State Department for Housing and Urban Development,
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Nairobi, Kenya
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Closing Date: 20TH MAY 2025

MAY 2025

TABLE OF CONTENTS

INVITATION TO TENDER	V
SECTION I - INSTRUCTIONS TO TENDERERS	1
A. General Provisions	1
1. Scope of Tender.....	1
2. Fraud and Corruption	1
3. Eligible Tenderers	1
4. Eligible Goods, Equipment, and Services	3
5. Tenderer's Responsibilities.....	3
B. Contents of Tender Documents	3
6. Sections of Tender Document	3
7. Site visit.....	4
8. Pre-Tender Meeting.....	4
9. Clarification and amendment of Tender Documents	5
10. Amendment of Tender Documents.....	5
C. Preparation of Tenders	5
11. Cost of Tendering.....	5
12. Language of Tender	5
13. Documents Comprising the Tender	5
14. Form of Tender and Schedules	6
15. Alternative Tenders.....	6
16. Tender Prices and Discounts	6
17. Currencies of Tender and Payment.....	7
18. Documents Comprising the Technical Proposal	7
19. Documents Establishing the Eligibility and Qualifications of the Tenderer	
20. Period of Validity of Tenders.....	8
21. Tender Security	8
22. Format and Signing of Tender.....	9
D. Sealing and Marking of Tenders	9
23. Sealing and Marking of Tenders	9
24. Deadline for Submission of Tenders.....	10
25. Late Tenders	10
26. Withdrawal, Substitution, and Modification of Tenders.....	10
27. Tender Opening	10
E. Evaluation and Comparison of Tenders	11
28. Confidentiality	11
29. Clarification of Tenders	11
30. Deviations, Reservations, and Omissions	12
31. Determination of Responsiveness	12
32. Non-material Non-conformities	12
33. Arithmetical Errors.....	12
34. Conversion to Single Currency	13
35. Margin of Preference and Reservations	13
36. Subcontractors.....	13
37. Evaluation of Tenders	13
38. Comparison of Tenders.....	14

39.	Abnormally Low Tenders.....	14
40.	Abnormally High Tenders.....	14
41.	Unbalanced and/or Front-Loaded Tenders.....	14
42.	Qualifications of the Tenderer.....	15
43.	Best Evaluated Tender.....	15
44.	Procuring Entity's Right to Accept Any Tender, and to Reject Any or All Tenders.....	15
F.	Award of Contract.....	15
45.	Award Criteria.....	15
46.	Notice of Intention to enter into a Contract.....	15
47.	Standstill Period.....	16
48.	Debriefing by the Procuring Entity.....	16
49.	Letter of Award.....	16
50.	Signing of Contract.....	16
51.	Appointment of Adjudicator.....	16
52.	Performance Security.....	16
53.	Publication of Procurement Contract.....	17
53.	Procurement Related Complaints.....	17
	SECTION II-TENDER DATA SHEET(TDS).....	18
	SECTION III - EVALUATION AND QUALIFY ON CRITERIA.....	23
1.	General Provisions.....	23
2.	Preliminary examination for Determination of Responsiveness.....	23
3.	Tender Evaluation (ITT 35).....	23
4.	Multiple Contracts.....	23
5.	Alternative Tenders (ITT 13.1).....	24
6.	Margin of Preference is not applicable.....	24
7.	Post qualification and Contract award (ITT 39), more specifically.....	24
	SECTION IV – TENDERING FORMS.....	25
	QUALIFICATION FORMS.....	28
1.	Form EQU. Equipment.....	28
2.	Form PER-1.....	29
4.	FORM PER-2:.....	30
5.	TENDERERS QUALIFICATION WITHOUT PRE-QUALIFICATION.....	32
5.1	FORM ELI -1.1.....	32
5.2	FORM ELI -1.2.....	33
5.3	FORM CON – 2.....	34
5.4	FORM FIN – 3.1:.....	36
5.5	FORM FIN – 3.2:.....	37
5.6	FORM FIN – 3.3:.....	38
5.7	FORM FIN – 3.4:.....	38
5.8	FORM EXP - 4.1.....	39
5.9	FORM EXP - 4.2(a).....	40
5.11	FORM EXP - 4.2(b).....	41
	OTHER FORMS.....	42
6.	FORM OF TENDER.....	42
a)	TENDERER'S ELIGIBILITY- CONFIDENTIAL BUSINESS QUESTIONNAIRE.....	45
b)	CERTIFICATE OF INDEPENDENT TENDER DETERMINATION.....	48

c)	SELF-DECLARATION FORM - SELF DECLARATION OF THE TENDERER.....	49
d)	APPENDIX 1- FRAUD AND CORRUPTION	52
7.	FORM OF TENDER SECURITY - DEMAND BANK GUARANTEE	54
8.	FORM OF TENDER SECURITY (INSURANCE GUARANTEE).....	55
9.	FORM OF TENDER-SECURING DECLARATION.....	56
10.	APPENDIX TO TENDER	57
PART II - WORK REQUIREMENTS.....		58
SECTION V - DRAWINGS		58
SECTION VI - SPECIFICATIONS.....		58
SECTION VII - BILLS OF QUANTITIES.....		59
1.	The Bills of Quantities	59
PART III-CONDITIONS OF CONTRACT AND CONTRACT FORMS.....		60
SECTION VIII - GENERAL CONDITIONS OF CONTRACT.....		60
A.	General	
1.	Definitions	61
2.	Interpretation	61
3.	Language and Law	62
4.	Project Manager's Decisions	63
5.	Delegation	63
6.	Communications.....	63
7.	Subcontracting.....	63
8.	Other Contractors	63
9.	Personnel and Equipment.....	63
10.	Procuring Entity's and Contractor's Risks	63
11.	Procuring Entity's Risks	63
12.	Contractor's Risks.....	64
13.	Insurance	64
14.	Site Data	64
15.	Contractor to Construct the Works.....	64
16.	The Works to Be Completed by the Intended Completion Date	64
17.	Approval by the Project Manager	64
18.	Safety.....	65
19.	Discoveries	65
20.	Possession of the Site	65
21.	Access to the Site	65
22.	Instructions, Inspections and Audits.....	65
23.	Appointment of the Adjudicator.....	65
24.	Settlement of Claims and Disputes	66
25.	Fraud and Corruption	68
B.	Time Control	68
1.	Program	68
2.	Extension of the Intended Completion Date	69
3.	Acceleration	69
4.	Delays Ordered by the Project Manager	69
5.	Management Meetings	69

6.	Early Warning.....	70
C.	Quality Control.....	69
1.	Identifying Defects.....	69
2.	Tests.....	69
3.	Correction of Defects.....	69
4.	Uncorrected Defects.....	69
D.	Cost Control.....	70
1.	Contract Price.....	70
2.	Changes in the Contract Price.....	70
3.	Variations.....	71
4.	Cash Flow Forecasts.....	72
5.	Payment Certificates.....	72
6.	Payments.....	72
7.	Compensation Events.....	73
8.	Tax.....	73
9.	Currency of Payment.....	73
10.	Price Adjustment.....	73
11.	Retention.....	74
12.	Liquidated Damages.....	74
13.	Bonus.....	74
14.	Advance Payment.....	74
15.	Securities.....	75
16.	Day works.....	75
17.	Cost of Repairs.....	75
E.	Finishing the Contract.....	75
1.	Completion.....	75
2.	Taking Over.....	75
3.	Final Account.....	75
4.	Operating and Maintenance Manuals.....	75
5.	Termination.....	76
6.	Payment upon Termination.....	76
7.	Property.....	76
8.	Release from Performance.....	76
	SECTION IX - SPECIAL CONDITIONS OF CONTRACT.....	77
	SECTION X - CONTRACT FORMS.....	88
	FORM No. 1 - NOTIFICATION OF INTENTION TO AWARD.....	80
	FORM No. 2 – REQUEST FOR REVIEW.....	83
	FORM No. 3 - LETTER OF AWARD.....	83
	FORM No. 4 - CONTRACT AGREEMENT.....	84
	FORM No. 5 - PERFORMANCE SECURITY [Option 1 - Unconditional Demand Bank Guarantee].....	85
	FORM No. 6- PERFORMANCE SECURITY [Option 2– Performance Bond].....	86
	FORM No. 7- ADVANCE PAYMENT SECURITY.....	88
	FORM No. 8- RETENTION MONEY SECURITY.....	87
	FORM No. 9- BENEFICIAL OWNERSHIP DISCLOSURE FORM.....	87

INVITATION TO TENDER

TENDER No: MLPWHUD/SDHUD/AHP/760/2024-2025

TENDER NAME: PROPOSED CONSTRUCTION OF MUMBUNI HEALTH CENTRE IN MWALA CONSTITUENCY, MACHAKOS COUNTY

1. The **State Department for Housing and Urban Development** invites sealed tender for **Proposed Construction of Mumbuni Health Centre in Mwala Constituency, Machakos County**
2. Tendering will be conducted under open competitive method (National) using a standardized tender document. Tendering is open to Contractors Registered in the appropriate Category for Builders Works (NCA category 4 and above).
3. The tender is open to those who meet the requirements of eligibility as contained in this invitation and the tender documents.
4. Qualified and interested tenderers may obtain further information and inspect the Tender Documents during office hours between **0900hrs - 1600hrs** at the address given below.
5. A complete set of tender documents may be obtained, downloaded and viewed by interested tenderers for free from the website www.housingandurban.go.ke. Tenderers who download the tender document **must** forward their particulars immediately to *the Principal Secretary, State Department for Housing and Urban Development* to facilitate any further clarifications or addendum that may be issued. Further clarifications and Addendum shall be posted at www.housingandurban.go.ke.
6. Tenders shall be quoted in Kenya Shillings and shall include all applicable taxes. Tenders shall remain valid for **120** days from the date of opening of tenders.
7. Completed tenders shall be submitted accompanied by a **Tender Security as specified in the Tender Data Sheet Clause ITT 21.1**
8. The Tenderer shall chronologically serialize all pages of the tender documents submitted. Tender Document must be tape bound and not Spiral bound. Spiral bound documents shall be automatically disqualified. In addition, bidders **MUST** submit a soft copy in PDF format during bid opening which is a replica of the original bid document. **This instruction is issued pursuant to Section 74(i)(j) of the Public Procurement and Assets Disposal Act, 2015.**
9. Completed tenders must be delivered to the address below on or before **20TH MAY 2025, at 9:00am**. Electronic Tenders will **not** be permitted.
10. 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.
11. Late tenders will be rejected.
12. The addresses referred to above are
 - A. *Address for obtaining further information*
**State Department for Housing and Urban Development
Room 606 B, 6th Floor, Ardhi House, 1st Ngong Avenue
P.O. Box 30119 -00100
NAIROBI.**
 - B. *Address for Submission of Tenders.*
**State Department for Housing and Urban Development
Tender Box, 6th Floor, Ardhi House, 1st Ngong Avenue**

**P.O. Box 30119 -00100
NAIROBI.**

C. Address for Opening of Tenders.

**State Department for Housing and Urban Development
Boardroom, 6th Floor, Ardhi House, 1st Ngong Avenue
P.O. Box 30119 -00100
NAIROBI.**

Head, Supply Chain Management Services
For: PRINCIPAL SECRETARY

Dated: April 2025

PART 1 - TENDERING PROCEDURES

SECTION I: INSTRUCTIONS TO TENDERERS

A General Provisions

1. Scope of Tender

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

2. Fraud and Corruption

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

3. Eligible Tenderers

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

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

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

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

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

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

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

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

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

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

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

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

- 3.12 The National Construction Authority Act of Kenya requires that all local and foreign contractors be registered with the National Construction Authority and be issued with a Registration Certificate before they can undertake any construction works in Kenya. Registration shall not be a condition for tender, but it shall be a condition of contract award and signature. A selected tenderer shall be given opportunity to register before such award and signature of contract. Application for registration with National Construction Authority may be accessed from the website www.nca.go.ke.
- 3.13 The Competition Act of Kenya requires that firms wishing to tender as Joint Venture undertakings which may prevent, distort or lessen competition in provision of services are prohibited unless they are exempt in accordance with the provisions of Section 25 of the Competition Act, 2010. JVs will be required to seek for exemption from the Competition Authority. Exemption shall not be a condition for tender, but it shall be a condition of contract award and signature. A JV tenderer shall be given opportunity to seek such exemption as a condition of award and signature of contract. Application for exemption from the Competition Authority of Kenya may be accessed from the website www.cak.go.ke
- 3.14 A Kenyan tenderer shall provide evidence of having fulfilled his/her tax obligations by producing a valid tax clearance certificate or tax exemption certificate issued by the Kenya Revenue Authority.

4. Eligible Goods, Equipment, and Services

- 4.1 Goods, equipment and services to be supplied under the Contract may have their origin in any country that is not eligible under ITT 3.9. At the Procuring Entity's request, Tenderers may be required to provide evidence of the origin of Goods, equipment and services.
- 4.2 Any goods, works and production processes with characteristics that have been declared by the relevant national environmental protection agency or by other competent authority as harmful to human beings and to the environment shall not be eligible for procurement.

5. Tenderer's Responsibilities

- 5.1 The tenderer shall bear all costs associated with the preparation and submission of his/her tender, and the Procuring Entity will in no case be responsible or liable for those costs.
- 5.2 The tenderer, at the tenderer's own responsibility and risk, is encouraged to visit and examine the Site of the Works and its surroundings, and obtain all information that may be necessary for preparing the tender and entering into a contract for construction of the Works. The costs of visiting the Site shall be at the tenderer's own expense.
- 5.3 The Tenderer and any of its personnel or agents will be granted permission by the Procuring Entity to enter upon its premises and lands for the purpose of such visit. The Tenderer shall indemnify the Procuring Entity against all liability arising from death or personal injury, loss of or damage to property, and any other losses and expenses incurred as a result of the inspection.
- 5.4 The tenderer shall provide in the Form of Tender and Qualification Information, a preliminary description of the proposed work method and schedule, including charts, as necessary or required.

B. Contents of Tender Documents

6. Sections of Tender Document

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

PART 1 Tendering Procedures

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

PART 2 Works Requirements

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

PART 3 Conditions of Contract and Contract Forms

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

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

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

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

7. Site Visit

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

8. Pre-Tender Meeting

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

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

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

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

9. Clarification and amendments of Tender Documents

9.1 A Tenderer requiring any clarification of the Tender Document shall contact the Procuring Entity in writing at the Procuring Entity's address specified in the **TDS** or raise its enquiries during the pre-Tender meeting and the pre-

arranged pretender visit of the site of the works if provided for in accordance with ITT 8.4. The Procuring Entity will respond in writing to any request for clarification, provided that such request is received no later than the period specified in the **TDS** prior to the deadline for submission of tenders. The Procuring Entity shall forward copies of its response to all tenderers who have acquired the Tender Documents in accordance with ITT 6.3, including a description of the inquiry but without identifying its source. If specified in the **TDS**, the Procuring Entity shall also promptly publish its response at the web page identified in the **TDS**. Should the clarification result in changes to the essential elements of the Tender Documents, the Procuring Entity shall amend the Tender Documents appropriately following the procedure under ITT 8.4.

10. Amendment of Tendering Document

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

C. Preparation of Tenders

11. Cost of Tendering

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

12. Language of Tender

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

13. Documents Comprising the Tender

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

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

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

14. Form of Tender and Schedules

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

15. Alternative Tenders

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

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

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

16. Tender Prices and Discounts

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

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

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

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

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

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

opened at the same time.

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

17. Currencies of Tender and Payment

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

18. Documents Comprising the Technical Proposal

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

19. Documents Establishing the Eligibility and Qualifications of the Tenderer

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

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

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

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

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

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

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

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

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

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

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

20. Period of Validity of Tenders

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

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

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

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

21. Tender Security

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

21.2 If a Tender Security is specified pursuant to ITT 21.1, the Tender Security shall be a demand guarantee in any of the following forms at the Tenderer's option:

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

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

21.4 If a Tender Security or Tender-Securing Declaration is specified pursuant to ITT 21.1, any Tender not accompanied by a substantially responsive Tender Security or Tender-Securing Declaration shall be rejected by the Procuring Entity as non-responsive.

21.5 If a Tender Security is specified pursuant to ITT 21.1, the Tender Security of unsuccessful Tenderers shall be returned as promptly as possible upon the successful Tenderer's signing the Contract and furnishing the

Performance Security and any other documents required in the **TDS**. The Procuring Entity shall also promptly return the tender security to the tenderers where the procurement proceedings are terminated, all tenders were determined nonresponsive or a bidder declines to extend tender validity period.

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

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

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

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

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

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

22. Format and Signing of Tender

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

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

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

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

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

D. Submission and Opening of Tenders

23. Sealing and Marking of Tenders

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

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

The inner envelopes or packages or containers shall:

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

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

24. Deadline for Submission of Tenders

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

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

25. Late Tenders

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

26. Withdrawal, Substitution, and Modification of Tenders

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

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

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

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

27. Tender Opening

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

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

E. Evaluation and Comparison of Tenders

28. Confidentiality

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

29. Clarification of Tenders

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

Procuring Entity in the evaluation of the tenders, in accordance with ITT 33.

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

30. Deviations, Reservations, and Omissions

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

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

31. Determination of Responsiveness

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

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

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

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

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

32. Non-material Non-conformities

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

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

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

33. Arithmetical Errors

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

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

- a) Any error detected if considered a major deviation that affects the substance of the tender, shall lead to

disqualification of the tender as non-responsive.

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

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

34. Currency provisions

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

35. Margin of Preference and Reservations

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

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

36. Nominated Subcontractors

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

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

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

37. Evaluation of Tenders

37.1 The Procuring Entity shall use the criteria and methodologies listed in this ITT and Section III, Evaluation and Qualification Criteria. No other evaluation criteria or methodologies shall be permitted. By applying the criteria and methodologies the Procuring Entity shall determine the Best Evaluated Tender in accordance with ITT 43.

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

- a) price adjustment due to discounts offered in accordance with ITT 16;
- b) converting the amount resulting from applying (a) and (b) above, if relevant, to a single currency in accordance with ITT 39;
- c) price adjustment due to quantifiable non-material non-conformities in accordance with ITT 32.3; and
- d) any additional evaluation factors specified in the **TDS** and Section III, Evaluation and Qualification Criteria.

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

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

38. Comparison of Tenders

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

39. Abnormally Low Tenders

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

40. Abnormally High Tenders

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

41. Unbalanced and/or Front-Loaded Tenders

- 41.1 If in the Procuring Entity's opinion, the Tender that is evaluated as the lowest evaluated price is seriously unbalanced and/or front loaded, the Procuring Entity may require the Tenderer to provide written clarifications. Clarifications may include detailed price analyses to demonstrate the consistency of the tender prices with the scope of works, proposed methodology, schedule and any other requirements of the Tender document.
- 41.2 After the evaluation of the information and detailed price analyses presented by the Tenderer, the Procuring Entity may as appropriate:
- a) accept the Tender; or
 - b) require that the total amount of the Performance Security be increased at the expense of the Tenderer to a level not exceeding a 30% of the Contract Price; or
 - c) agree on a payment mode that eliminates the inherent risk of the Procuring Entity paying too much for undelivered works; or
 - d) reject the Tender,

42. Qualifications of the Tenderer

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

- 42.2 The determination shall be based upon an examination of the documentary evidence of the Tenderer's qualifications submitted by the Tenderer, pursuant to ITT 19. The determination shall not take into consideration the qualifications of other firms such as the Tenderer's subsidiaries, parent entities, affiliates, subcontractors (other than Specialized Subcontractors if permitted in the Tender document), or any other firm(s) different from the Tenderer.
- 42.3 An affirmative determination shall be a prerequisite for award of the Contract to the Tenderer. A negative determination shall result in disqualification of the Tender, in which event the Procuring Entity shall proceed to the Tenderer who offers a substantially responsive Tender with the next lowest evaluated price to make a similar determination of that Tenderer's qualifications to perform satisfactorily.
- 42.4 An Abnormally Low Tender is one where the Tender price, in combination with other elements of the Tender, appears so low that it raises material concerns as to the capability of the Tenderer in regards to the Tenderer's ability to perform the Contract for the offered Tender Price.
- 42.5 In the event of identification of a potentially Abnormally Low Tender, the Procuring Entity shall seek written clarifications from the Tenderer, including detailed price analyses of its Tender price in relation to the subject matter of the contract, scope, proposed methodology, schedule, allocation of risks and responsibilities and any other requirements of the Tender document.
- 42.6 After evaluation of the price analyses, if the Procuring Entity determines that the Tenderer has failed to demonstrate its capability to perform the Contract for the offered Tender Price, the Procuring Entity shall reject the Tender.

43. Best Evaluated Tender

- 43.1 Having compared the evaluated prices of Tenders, the Procuring Entity shall determine the Best Evaluated Tender. The Best Evaluated Tender is the Tender of the Tenderer that meets the Qualification Criteria and whose Tender has been determined to be:
- a) Most responsive to the Tender document; and
 - b) the lowest evaluated price.

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

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

F. Award of Contract

45. Award Criteria

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

46. Notice of Intention to enter into a Contract

- 46.1 Upon award of the contract and Prior to the expiry of the Tender Validity Period the Procuring Entity shall issue a Notification of Intention to Enter into a Contract / Notification of award to all tenderers which shall contain, at a minimum, the following information:
- a) the name and address of the Tenderer submitting the successful tender;
 - b) the Contract price of the successful tender;
 - c) a statement of the reason(s) the tender of the unsuccessful tenderer to whom the letter is addressed was unsuccessful, unless the price information in (c) above already reveals the reason;
 - d) the expiry date of the Standstill Period; and
 - e) instructions on how to request a debriefing and/or submit a complaint during the standstill period;

47. Standstill Period

- 47.1 The Contract shall not be signed earlier than the expiry of a Standstill Period of 14 days to allow any

dissatisfied tender to launch a complaint. Where only one Tender is submitted, the Standstill Period shall not apply.

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

48. Debriefing by the Procuring Entity

48.1 On receipt of the Procuring Entity's Notification of Intention to Enter into a Contract referred to in ITT 46, an unsuccessful tenderer may make a written request to the Procuring Entity for a debriefing on specific issues or concerns regarding their tender. The Procuring Entity shall provide the debriefing within five days of receipt of the request.

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

49. Letter of Award

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

50. Signing of Contract

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

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

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

51. Appointment of Adjudicator

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

52. Performance Security

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

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

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

shillings.

53. Publication of Procurement Contract

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

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

54. Procurement Related Complaints and Administrative Review

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

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

Section II - Tender Data Sheet (TDS)

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

ITT Reference	PARTICULARS OF APPENDIX TO INSTRUCTIONS TO TENDERS
	A. General
ITT 1.1	The name of the contract is PROPOSED CONSTRUCTION OF MUMBUNI HEALTH CENTRE IN MWALA CONSTITUENCY, MACHAKOS COUNTY The reference number of the Contract is: TENDER No: MLPWHUD/SDHUD/AHP/760/2024-2025
B. Contents of Tender Document	
ITT 8.2	The Tenderer will submit any questions in writing, to reach the Procuring Entity 7 days before the date of tender opening.
ITT 9.1	For Clarification of Tender purposes, for obtaining further information and for purchasing tender documents, the Procuring Entity's address is: (1) Name of Procuring Entity: State Department of Housing and Urban Development (2) Physical address for hand Courier Delivery to an office: 1st Ngong avenue, Ardhi House, 6th Floor, Wing B, Room 606 (3) Postal Address; P.O. Box 30119-00100 Nairobi (4) Officer to be contacted: Head, Supply Chain Management Services Email: <i>procurement@housingandurban.go.ke</i>
C. Preparation of Tenders	
ITT 15.1	Alternative Tenders <i>shall not be</i> considered.
ITT 15.2	Alternative times for completion <i>shall not be</i> permitted.
ITT 16.5	The prices quoted by the Tenderer shall be fixed .
ITT 20.1	The Tender validity period shall be 180 days .
ITT 21.1	A Tender Security <i>shall be</i> required. The said Tender Security shall be for Kenya Shillings Two Million (Kshs. 2,000,000) issued by a Reputable Bank valid for a period of 210 days from the tender opening date .
ITT 22.1	The 'ORIGINAL' tender document shall only be considered as such if signed in wet ink , i.e. the physical tender document has been endorsed by hand with a pen, stamp, seal and/or any other identifying mark. In addition to the original of the Tender, the number of copies is: One soft copy in PDF which is a replica of the original bid document submitted .

ITT Reference	PARTICULARS OF APPENDIX TO INSTRUCTIONS TO TENDERS
ITT 22.3	The written confirmation of authorization to sign on behalf of the Tenderer shall consist of: <i>Power of Attorney</i>
D. Submission and Opening of Tenders	
ITT 24.1	<p>(A) For <u>Tender submission purposes only</u>, the Procuring Entity's address is:</p> <ol style="list-style-type: none"> (1) Name of Procuring Entity: State Department of Housing and Urban Development (2) Postal Address Principal Secretary, State Department of Housing and Urban Development P.O. Box 30119-00100 Nairobi (3) Physical address for hand Courier Delivery to an office or Tender Box: 1st Ngong avenue, Ardhi House, 6th Floor, Tender box (4) Date and time for submission of Tenders: 20TH MAY 2025 at 9:00 a.m. (5) Tenderers shall not submit tenders electronically.
ITT 27.1	<p>The Tender opening shall take place at the time and the address for Opening of Tenders provided below:</p> <ol style="list-style-type: none"> (1) Name of Procuring Entity: State Department of Housing and Urban Development (2) Physical address for the location: 1st Ngong avenue, Ardhi House, 6th Floor, Boardroom (3) Date and time of tender opening: 20TH MAY 2025 at 9:00 a.m.
ITT 27.6	The number of representatives of the Procuring Entity to sign is: as guided by the Public Procurement and Asset Disposal Act, 2015 and all amendments thereafter and attendant Regulations.
E. Evaluation, and Comparison of Tenders	
ITT 32.3	The adjustment shall be based on the <i>highest</i> price of the item or component as quoted in other substantially responsive Tenders. If the price of the item or component cannot be derived from the price of other substantially responsive Tenders, the Procuring Entity shall use its best estimate.
ITT 36.3	<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 Works 2. Mechanical Works 3. Civil Works <p>For the above-designated parts of the Works that may 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>
ITT 37.2 (d)	<p>Additional requirements apply.</p> <p>Additional requirements are detailed in the evaluation criteria in Section III, Evaluation and Qualification Criteria.</p>
ITT 51.1	The person named to be appointed as Adjudicator is Nairobi Centre for International Arbitration at an hourly fee to be determined guided by fees guidelines.

ITT Reference	PARTICULARS OF APPENDIX TO INSTRUCTIONS TO TENDERS
ITT 52.2	Other documents required are : None
ITT 54.1	<p>The procedures for making a Procurement-related Complaints are detailed in the “Regulations” available from the PPRA Website www.ppra.go.ke or email complaints@ppra.go.ke. If a Tenderer wishes to make a Procurement-related Complaint, the Tenderer should submit its complaint following these procedures, in writing (by the quickest means available, that is either by hand delivery or email to:</p> <p>For the attention: Director General</p> <p>Title/position: Director General</p> <p>Procuring Entity: Public Procurement Regulatory Authority</p> <p>Email address: complaints@ppra.go.ke</p> <p>In summary, a Procurement-related Complaint may challenge any of the following:</p> <p>(i) the terms of the Tender Documents; and</p> <p>(ii) the Procuring Entity’s decision to award the contract.</p>

SECTION III - EVALUATION AND QUALIFICATION CRITERIA

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 amounts for that year is to be converted) was originally established.
- b) Value of single contract - Exchange rate prevailing on the date of the contract 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

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.

The following mandatory requirements shall be used for determination of Responsiveness at the preliminary evaluation

S/No	PRELIMINARY EVALUATION CRITERIA / MANDATORY REQUIREMENTS FOR MAIN CONTRACTOR
MR1	Original Tender document must be TAPE-BOUND and submitted alongside with a Soft Copy as per TDS 22.1. Tender documents submitted as spiral bound or in a box file SHALL AUTOMATICALLY BE DISQUALIFIED . In addition, the documents must be chronologically serialized including the attachments.
MR2	The Bills of Quantities section of the submitted Tender Document must be complete as issued , with no alteration, addition or qualification of any kind whatsoever made by the Tenderer to the text of the document. Any alterations, additions or qualifications shall be considered as material deviations as per ITT 31.
MR3	Dully filled, signed and stamped form of tender prepared in accordance with ITT 14
MR4	Provide proof of registration with the National Construction Authority for Building Works category NCA 4 and above with current annual contractors practicing license.
MR5	Provide proof of registration with the National Construction Authority for Mechanical and Electrical Works category NCA 6 and above only with current annual contractors practicing license, including EPRA registration as an Electrical Contractor (for Electrical Contractors), to be submitted under the Main Contractor, with duly filled sub-contract agreements/ undertakings to contract as proof of consent and authority to submit the proposed sub-contractor's certificates where applicable.

MR6	A Tender Security <i>shall be</i> required. The said Tender Security shall be for Kenya Shillings Two Million (Kshs. 2,000,000) issued by a Reputable Bank valid for a period of 210 days from the tender opening date .
MR7	Provide proof of power of attorney (if tender signatory if not director of the company/partner, signed and stamped by Commissioner of Oaths).
MR8	Certificate of Incorporation/ Registration.
MR9	Valid Tax Compliance Certificate which shall be verified online during evaluation. Tax Compliance Certificates with “Invalid” or “Withdrawn” status shall resort to AUTOMATIC DISQUALIFICATION .
MR10	Dully filled, signed and stamped Confidential Business Questionnaire.
MR11	Valid CR12 form showing the list of directors /shareholding (issued within the last 12 months of tender submission) or National Identity Card(s) for Sole Proprietorship/Partnership
	NB: <i>Bidders who do not meet any of the above requirements shall be considered non-responsive and their tenders will not be evaluated further.</i>

30 TENDER EVALUATION (ITT 37) PRICE EVALUATION

Price evaluation: in addition to the criteria listed in ITT 37.2 (a) – (d) the following criteria shall apply:

- (i) Alternative Completion Times, if permitted under ITT 13.2, will be evaluated as follows:
Not Applicable
- (ii) Alternative Technical Solutions for specified parts of the Works, if permitted under ITT 13.4, will be evaluated as follows: **Not Applicable**
- (iii) Other Criteria; if permitted under ITT 37.2(d):

Further Evaluation shall be conducted after Preliminary Examination for determination of responsiveness. The said further evaluation shall comprise of the detailed technical examination and financial evaluation.

- a) Detailed Technical Evaluation
- b) Financial Evaluation

Detailed Technical Examination

After the Preliminary Examination, the Procuring Entity shall conduct a Detailed Technical Evaluation on the responsive tenders to ensure they meet the technical requirements provided for in the Detailed Technical Evaluation criteria outlined below. Points shall be awarded as follows: -

No	Parameter	Maximum Points
1	Key Personnel	15
2	General Experience	10
3	Specific Construction Experience	15
4	Schedules of Contractor's equipment	10
5	Audited Financial Report for the last 3 years	9
6	Evidence of Financial Resources	15
7	Detailed Works Program and Methodology	20
8	History of Non-performing Contracts	3
9	Litigation History	3
Total		100

Tenders that do not meet the minimum required points in the Detailed Technical Evaluation will be considered non-responsive and will not be considered further.

Item	Description	Points Scored	Max. Points
1	<p>Key Personnel as detailed under clause 7 b (iv) of the Evaluation Criteria</p> <p>NB: Attach Curriculum Vitae and certified copies of certificates.</p> <p>Max. scores shall ONLY be issued where the required no. of personnel are provided.</p>		
	<p>Project Manager for the firm</p> <ul style="list-style-type: none"> • With relevant qualifications; qualification (1 mk) and registration (1 mk) - Total (2 mks) • With over 5 years' experience in similar works (2 mks) • With over 10 years' general experience (1 mk) • With experience below the requirements (0 mks) 		5
	<p>Site Agent with the relevant Qualifications</p> <ul style="list-style-type: none"> • With relevant qualifications; qualification (1 mk) and registration (1 mk) - Total (2 mks) • With over 5 years' experience in similar works (1 mk) • With over 10 years' general experience (1 mk) • With experience below the requirements (0 mks) 		4
	<p>Site Surveyor</p> <ul style="list-style-type: none"> • With relevant qualifications (1 mk) • With over 5 years' experience in similar works (1 mk) • With over 10 years' general experience (1 mk) • With experience below the requirements (0 mks) 		3
	<p>General Foreman</p> <ul style="list-style-type: none"> • With relevant qualifications (1 mk) • With over 5 years' experience in similar works (1 mk) • With over 10 years' general experience (1 mk) • With experience below the requirements (0 mks) 		3
2.	<p>General Experience</p> <ul style="list-style-type: none"> • Has been practicing as a Contractor for the last 10 years. (1 mk per year) 		10
3.	<p>Specific Experience (a minimum of 5 No. Projects)</p> <p>NB: Attach Letter of Award, Certificates of Completion and Recommendation from the Client for EACH project. A bidder who fails to provide this requirement shall NOT be scored.</p> <ul style="list-style-type: none"> • Project of a similar nature, similar complexity and magnitude. (3 mks each) – max. 15 mks • Project of similar nature and complexity but of lower magnitude. (2 mks each) - max. 10 mks • Project of similar nature but differing complexity 		15

Item	Description	Points Scored	Max. Points
	and magnitude than the one in consideration. (1 mk each) - max. 5 mks [Nature = the type of works (builders works/ civil works); Complexity = the type of structure (commercial/ residential/ industrial structure); Magnitude = project value of at least Ksh. 150,000,000]		
4.	Schedules of Contractor's equipment For each specific equipment required in the construction work being tendered for. (All the categories listed to be considered and points will be awarded for meeting each category)		10
5.	Financial report: Audited financial report for the last Three [3] years (2022, 2023 & 2024) <ul style="list-style-type: none"> • Turn over greater or equal to Kshs. 350,000,000 (3 mks each year) – max. 9 mks • Has not achieved the required minimum amount and/ or attached audited financial reports (0 mks). 		9
6.	Evidence of financial resources: Cash in hand, Lines of Credit, Over draft facility, e.t.c NB: Attach evidence as follows:- <ul style="list-style-type: none"> • Cash in hand – attach <u>current</u>, <u>certified</u> bank statements for the Tenderer's bank account. • Line of credit, Overdraft, or any other credit facility – attach letter from the issuing bank that is <u>current</u> and <u>specific</u> to this tender. <ul style="list-style-type: none"> • Has cash in hand equal or above Kshs. 100,000,000 (8 mks) • Has access to credit from a reputable bank equal or above Kshs. 100,000,000 (7 mks) • Has not demonstrated/given the required minimum amount and/ or evidence for the financial resources. (0 mks). 		15
7.	Detailed works program outlining the methodology of implementing the project to completion including the defects liability period.		
	Adequacy of the proposed Works program: <ul style="list-style-type: none"> • Has attached a clear and legible Works Program (2mks) • Program captures all elements specific to the proposed works (4mks) • Program covers the required timeline and all elements are reasonably scheduled. (4mks) 		10
	Adequacy of the proposed methodology: <ul style="list-style-type: none"> • Captures the Contractor's organization structure. (2mks) • Captures all elements specific to the proposed works. (6mks) 		10

Item	Description	Points Scored	Max. Points
	<ul style="list-style-type: none"> Captures the inclusion of all statutory requirements specific to the works (OSH, NCA, NEMA, Stakeholder engagement, e.t.c.) (2mks) 		
8.	History of non-performing contracts (Pursuant to Clause 7 (vi) a of the Evaluation Criteria)		3
9.	History of Litigations (Pursuant to Clause 7 (vi) c of the Evaluation Criteria)		3
	TOTAL POINTS		100
	MINIMUM POINTS		70

NB: Tenders attaining the minimum score of 70 points in the detailed technical evaluation shall be subjected to financial evaluation and comparison to determine the lowest evaluated price of the tender.

Financial Evaluation

Financial Evaluation shall comprise of the following:

- a) *Examination of unit rates:* Each bid shall be subjected to an evaluation of unit rates. Bids shall be assessed to confirm uniformity and consistency in rates of similar individual line items. Bids not meeting this criterion shall be disqualified and error checks shall not be undertaken.
- b) *Error checks:* Successful bids from the examination of unit rates shall be evaluated for arithmetic errors. All arbitrary additions to the tender document shall be considered as arithmetic errors. An assessment of the bids taking into consideration the Tender Sum, corrections relating to arithmetic errors and any discounts offered shall be done to determine the bids' Evaluated Tender Sum.
- c) *Ranking of the bids:* Ranking of the bids using their Evaluated Tender Sums shall be undertaken. The ranking shall be used to determine the bid with the Lowest Evaluated Tender sum, which shall be considered for award.

40 MULTIPLE CONTRACTS

- 41** Multiple contracts will be permitted in accordance with ITT 37.4. Tenderers are evaluated on basis of Lots and a lowest evaluated tenderer identified for each Lot. The Procuring Entity will award contracts as prescribed below:

OPTION 1

- (i) If a tenderer wins only one Lot, the tenderer will be awarded a contract for that Lot, provided the tenderer meets the Eligibility and Qualification Criteria for that Lot. If a tenderer wins more than one Lot, the tenderer will be awarded a contract for all won Lots, provided the tenderer meets the aggregate Eligibility and Qualification Criteria for all the won Lots. The tenderer will be awarded only the combinations for which the tenderer qualifies and the others will be considered for award to second lowest the tenderers.

OPTION 2

The Procuring Entity will consider all possible combinations of won Lots [contract(s)] and determine the combination with the lowest evaluated price. Tenders will then be awarded to the Tenderer or Tenderers in the combination provided the tenderer meets the aggregate Eligibility and Qualification Criteria for all the won Lots.

5.0 ALTERNATIVE TENDERS (ITT 13.1)

Alternative Tenders (ITT 13.1)

An alternative if permitted under ITT 3.1, will be evaluated as follows:

The Procuring Entity shall consider Tenders offered for alternatives as specified in Part 2 - Works requirements. Only the technical alternatives, if any, of the Tenderer with the Best Evaluated Tender conforming to the basic technical requirements shall be considered by the Procuring Entity.

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 for award. 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 42), 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 One Hundred Million (Kshs. 100,000,000)**.
 - (ii.) Minimum average annual construction turnover of **Kenya Shillings Three Hundred and Fifty Million (Kshs. 350,000,000)**, equivalent calculated as total certified payments received for contracts in progress and/or completed within the last **three (3) years**.
 - (iii.) At least **Five (5) no.** of contract(s) of a similar nature executed **within Kenya** that have been satisfactorily and substantially completed as a prime contractor, or joint venture member or sub-contractor each of minimum value Kenya shillings **One Hundred and Fifty Million (Kshs. 150,000,000)** equivalent.

(iv.) Contractor's Representative and Key Personnel, which are specified as:

No.	Position	Total Work Experience (years)	Experience In Similar Works (years)
1	Project Manager (Bachelor of Architecture OR Bachelor of Quantity Surveying OR Civil Engineering OR Construction Management, all professionally registered (and in good standing) with the relevant professional bodies).	10	5
2	Site Agent – <i>provide at least one per site per this tender</i> (Bachelor or Higher Diploma in Architecture OR Quantity Surveying OR Civil Engineering).	10	5
3	Site Surveyor – <i>provide at least one per site per this tender</i> (Diploma in Land Surveying)	10	5
4	General Foreman– <i>provide at least one per site per this tender</i> (Diploma in Building Construction OR Construction Management OR Contract Management OR Civil Engineering)	15	10

(v.) Contractors key equipment listed on the table “Contractor's Equipment” below and more specifically listed as:

No.	Equipment Type and Characteristics	No. required
1	Concrete Mixer Type 5/3.5	2
2	Concrete dumper 0.5 cu.m	2
3	Excavator 130 – 150 HP	1
4	Tipper Truck 15 ton.	3
5	Dumpy level 1	1
6	Vibrating plate compactor 114-200 kg operating weight	1
7	Compressor rated by normal delivery of free air per minute	1
8	Single drum vibratory roller	1
9	20Kv Generator	1
10	Van, pick-up or similar utility vehicle	2

(vi.) 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 **Three years**. The required information shall be furnished in the appropriate form.

b) **Pending Litigation**

Financial position and prospective long-term profit ability 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 **Three 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.

8 DUE DILIGENCE

Pursuant to Section 83 of the Public Procurement and Assets Disposal Act, 2015 and the attendant regulations, due diligence shall be conducted on the lowest recommended bidder before award. The due diligence shall be conducted on the following basis inter alia:

- (i) The bidder shall be assessed on the financial and the technical capacity to carry out the project. In carrying out the due diligence, the Contractor shall be requested to authorize or provide their current, certified bank statements to assess their financial capacity and capability.

In addition, the bidder shall be requested to provide their **original** audited financial reports for the last three (3) financial periods, accompanied by a declaration by the auditor confirming the authenticity of the original report, all to be used to verify the attached copy of the audited financial report.

- (ii) The bidder if currently or previously engaged on other projects in the State Department for Housing and Urban Development shall be assessed on their current performance and delivery on those projects. Contractors with a poor performance record shall not be recommended for award.

Additionally, tenderers who have three (3) or more ongoing projects with the State Department for Housing and Urban Development MAY be recommended for award if they demonstrate that they have achieved a minimum completion rate of 20% for the three or more ongoing projects, evidenced by the most-current Interim Payment Certificate issued by the State Department for the said projects and must have demonstrated that they are on schedule on all the three projects

- (iii) The Bidder shall be required to further demonstrate that they can deliver on the project milestones within the stipulated timelines.
- (iv) The State Department shall make its recommendations on the basis of Multiple Contracts as stipulated under Clause 4 - Multiple Contracts, Section III - Evaluation and Qualification Criteria.

1. QUALIFICATION FORMSUMMARY

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 the Kenya Revenue Authority in accordance with ITT 3.14.	Form of Tender	
4	PPRA Eligibility	Not having been declared ineligible by the PPRA as described in ITT 3.8	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 2021	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 2021	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 One Hundred Million (Kshs. 100,000,000) 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 Three Hundred and Fifty Million (Kshs. 350,000,000) , equivalent calculated as total certified payments received for contracts in progress and/or completed within the last Three 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 Ten (10) years , starting 1st January 2015 .	Form EXP – 4.1	
14	Specific Construction &	A minimum number of Three (3) similar contracts specified	Form EXP 4.2(a)	

1	2	3	4	5
Item No.	Qualification Subject	Qualification Requirement	<i>Document To be Completed by Tenderer</i>	<i>For Procuring Entity's Use (Qualification met or Not Met)</i>
	Contract Management Experience	<p>below that have been satisfactorily and substantially completed as a prime contractor, joint venture member, management contractor or sub-contractor between 1st January 2019 and tender submission deadline, (number) contracts, each of minimum value Kenya Shillings One Hundred and Fifty Million (Kshs. 150,000,000) equivalent.</p> <p>The similarity of the contracts shall be based on the following:</p> <ul style="list-style-type: none"> • <i>the minimum key requirements in terms of physical size,</i> • <i>complexity,</i> • <i>construction method, technology and/or other characteristics including part of the requirements that may be met by specialized subcontractors</i> 		

SECTION IV - QUALIFICATION FORMS

1. FORMEQU: EQUIPMENT

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

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

Omit the following information for equipment owned by the Tenderer.

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

2 FORM PER -1

Contractor's Representative and Key Personnel Schedule

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

Contractor' Representative and Key Personnel

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

3. FORM PER-2:

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

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

Name of Tenderer

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

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

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

Declaration

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

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

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

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

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

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

Signature: _____

Date: (day month year): _____ Countersignature

of authorized representative of the Tenderer:

Signature: _____ Date: (day month

year): _____

4 TENDERER'S QUALIFICATION WITHOUT PRE-QUALIFICATION

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

4.1 FORM ELI -1.1

Tenderer Information Form

Date: _____

ITT No. and title: _____

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

4.2 FORM ELI -1.2

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

Date: _____

ITT No. and title: _____

Tenderer's JV name:
JV member's name:
JV member's country of registration:
JV member's year of constitution:
JV member's legal address in country of constitution:
JV member's authorized representative information Name: _____ Address: _____ Telephone/Fax numbers: _____ E-mail address: _____
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 3.8.
2. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.

4.3 FORM CON – 2

Historical Contract Non-Performance, Pending Litigation and Litigation History

Tenderer's Name: _____

Date: _____

JV Member's Name _____

ITT No. and title: _____

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

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

Litigation History in accordance with Section III, Evaluation and Qualification Criteria

- No Litigation History in accordance with Section III, Evaluation and Qualification Criteria, Sub-Factor 2.4.
- Litigation History in accordance with Section III, Evaluation and Qualification Criteria, Sub-Factor 2.4 as indicated below.

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

4.4 FORM FIN – 3.1:

Financial Situation and Performance

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

4.4.1. Financial Data

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

*Refer to ITT 15 for the exchange rate

4.4.2 Sources of Finance

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

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

4.4.3 Financial documents

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

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

Attached are copies of financial statements¹ for the _____ 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.

4.5 FORM FIN – 3.2:

Average Annual Construction Turnover

Tenderer's Name: _____

Date: _____

JV Member's Name _____

ITT No. and title: _____

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

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

4.6 FORM FIN – 3.3:

Financial Resources

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

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

4.7 FORM FIN – 3.4:

Current Contract Commitments / Works in Progress

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

Current Contract Commitments

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

4.8 FORM EXP - 4.1

General Construction Experience

Tenderer's Name: _____

Date: _____

JV Member's Name _____

ITT No. and title: _____

Page _____ of _____ pages

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

4.9 FORM EXP - 4.2(a)

Specific Construction and Contract Management Experience

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

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

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

Specific Construction and Contract Management Experience (cont.)

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

4.11 FORM EXP - 4.2(b)

Construction Experience in Key Activities

Tenderer's Name: _____

Date: _____

Tenderer's JV Member Name: _____

Sub-contractor's 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.

OTHER FORMS

5. FORM OF TENDER

INSTRUCTIONS TO TENDERERS

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

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

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

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

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

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

1. In accordance with the Conditions of Contract, Specifications, Drawings and Bills of Quantities for the execution of the above named Works, we, the undersigned offer to construct and complete the Works and remedy any defects therein for the sum of Kenya Shillings *[[Amount in figures]* _____ Kenya Shillings *[amount in words]* _____.

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

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

2. We undertake, if our tender is accepted, to commence the Works as soon as is reasonably possible after the receipt of the Project Manager's notice to commence, and to complete the whole of the Works comprised in the Contract within the time stated in the Special Conditions of Contract.
3. We agree to adhere by this tender until _____ *[Insert date]*, and it shall remain binding upon us and may be accepted at any time before that date.
4. Unless and until a formal Agreement is prepared and executed this tender together with your written acceptance thereof, shall constitute a binding Contract between us. We further understand that you are not bound to accept the lowest or any tender you may receive.
5. We, the undersigned, further declare that:
 - i) *No reservations:* We have examined and have no reservations to the tender document, including Addenda issued in accordance with ITT 28;
 - ii) *Eligibility:* We meet the eligibility requirements and have no conflict of interest in accordance with ITT 3 and 4;
 - iii) *Tender-Securing Declaration:* We have not been suspended nor declared ineligible by the Procuring Entity based on execution of a Tender-Securing or Proposal-Securing Declaration in the Procuring Entity's Country in accordance with ITT 19.8;
 - iv) *Conformity:* We offer to execute in conformity with the tendering documents and in accordance with the implementation and completion specified in the construction schedule, the following Works: *[insert a brief description of the Works]*;

- v) Tender Price: The total price of our Tender, excluding any discounts offered in item 1 above is: *[Insert one of the options below as appropriate]*
- vi) Option 1, in case of one lot: Total price is: *[insert the total price of the Tender in words and figures, indicating the various amounts and the respective currencies];* Or
- Option 2, in case of multiple lots:
- a) Total price of each lot *[insert the total price of each lot in words and figures, indicating the various amounts and the respective currencies];* and
- b) Total price of all lots (sum of all lots) *[insert the total price of all lots in words and figures, indicating the various amounts and the respective currencies];*
- vii) Discounts: The discounts offered and the methodology for their application are:
- viii) The discounts offered are: *[Specify in detail each discount offered.]*
- ix) The exact method of calculations to determine the net price after application of discounts is shown below: *[Specify in detail the method that shall be used to apply the discounts];*
- x) Tender Validity Period: Our Tender shall be valid for the period specified in TDS 18.1 (as amended, if applicable) from the date fixed for the Tender submission deadline specified in TDS 22.1 (as amended, if applicable), and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- xi) Performance Security: If our Tender is accepted, we commit to obtain a Performance Security in accordance with the Tendering document;
- xii) One Tender Per Tender: We are not submitting any other Tender(s) as an individual Tender, and we are not participating in any other Tender(s) as a Joint Venture member or as a subcontractor, and meet the requirements of ITT 3.4, other than alternative Tenders submitted in accordance with ITT 13.3;
- xiii) Suspension and Debarment: We, along with any of our subcontractors, suppliers, Project Manager, manufacturers, or service providers for any part of the contract, are not subject to, and not controlled by any entity or individual that is subject to, a temporary suspension or a debarment imposed by the Public Procurement Regulatory Authority or any other entity of the Government of Kenya, or any international organization.
- xiv) State-owned enterprise or institution: *[select the appropriate option and delete the other]* *[We are not a state-owned enterprise or institution]* / *[We are a state-owned enterprise or institution but meet the requirements of ITT 3.8];*
- xv) Commissions, gratuities, fees: We have paid, or will pay the following commissions, gratuities, or fees with respect to the tender process or execution of the Contract: *[insert complete name of each Recipient, its full address, the reason for which each commission or gratuity was paid and the amount and currency of each such commission or gratuity].*

Name of Recipient	Address	Reason	Amount

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

- xvi) Binding Contract: We understand that this Tender, together with your written acceptance thereof included in your Letter of Acceptance, shall constitute a binding contract between us, until a formal contract is prepared and executed;
- xvii) Not Bound to Accept: We understand that you are not bound to accept the lowest evaluated cost Tender, the Most Advantageous Tender or any other Tender that you may receive;
- xviii) Fraud and Corruption: We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf engages in any type of Fraud and Corruption;

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

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

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

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

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

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

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

Date signed _____ day of _____, _____

Notes

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

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

A. TENDERER'S ELIGIBILITY- CONFIDENTIAL BUSINESS QUESTIONNAIRE

Instruction to Tenderer

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

(a) Tenderer's details

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

General and Specific Details

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

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

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

	Names of Partners	Nationality	Citizenship	% Shares owned
1				
2				
3				

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

i) Private or public Company _____

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

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

Kenya Shillings (Equivalent).....

iii) Give details of Directors as follows.

	Names of Director	Nationality	Citizenship	% Shares owned
1				
2				
3				

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

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

If yes, provide details as follows.

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

ii) **Conflict of interest disclosure**

	Type of Conflict	Disclosure YES OR NO	If YES provide details of the relationship with Tenderer
1	Tenderer is directly or indirectly controls, is controlled by or is under common control with another tenderer.		
2	Tenderer receives or has received any direct or indirect subsidy from another tenderer.		
3	Tenderer has the same legal representative as another tenderer		
4	Tender has a relationship with another tenderer, directly or through common third parties, that puts it in a position to influence the tender of another tenderer, or influence the decisions of the Procuring Entity regarding this tendering process.		
5	Any of the Tenderer's affiliates participated as a consultant in the preparation of the design or technical specifications of the works that are the subject of the tender.		
6	Tenderer would be providing goods, works, non-consulting services or consulting services during implementation of the contract specified in this Tender Document.		
7	Tenderer has a close business or family relationship with a professional staff of the Procuring Entity who are directly or indirectly involved in the preparation of the Tender document or specifications of the Contract, and/or the Tender evaluation process of such contract.		
8	Tenderer has a close business or family relationship with a professional staff of the Procuring Entity who would be involved in the implementation or supervision of the such Contract.		
9	Has the conflict stemming from such relationship stated in item 7 and 8 above been resolved in a manner acceptable to the Procuring Entity throughout the tendering process and execution of the Contract.		

f) Certification

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

Full Name _____ Title or

Designation _____

(Signature)

(Date)

B. CERTIFICATE OF INDEPENDENT TENDER DETERMINATION

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

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

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

Name _____ Title__ Date _____

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

C. SELF - DECLARATION FORMS

FORM SD1

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

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

1. THAT I am the Company Secretary/ Chief Executive/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 the aforesaid Bidder, its Directors and subcontractors have not been debarred from participating in procurement proceeding under Part IV of the Act.
3. THAT what is deponed to herein above is true to the best of my knowledge, information and belief.

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

Bidder Official Stamp

FORM SD2

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

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

1. THAT I am the Chief Executive/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 the aforesaid Bidder, its servants and/or agents /subcontractors will not engage in any corrupt or fraudulent practice and has not been requested to pay any inducement to any member of the Board, Management, Staff and/or employees and/or agents of (*insert name of the Procuring entity*) which is the procuring entity.
3. THAT the aforesaid Bidder, its servants and/or agents /subcontractors have not offered any inducement to any member of the Board, Management, Staff and/or employees and/or agents of (name of the procuring entity)
4. THAT the aforesaid Bidder will not engage /has not engaged in any corrosive practice with other bidders participating in the subject tender
5. THAT what is deponed to herein above is true to the best of my knowledge information and belief.

.....
(Title)

.....
(Signature)

.....
(Date)

Bidder's Official Stamp

DECLARATION AND COMMITMENT TO THE CODE OF ETHICS

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

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

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

Position.....

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

E-mail.....

Name of the Firm/Company.....

Date..... (Company Seal/ Rubber

Stamp where applicable)

Witness

Name Sign.....

Date.....

D. APPENDIX 1- FRAUD AND CORRUPTION

(Appendix 1 shall not be modified)

1. Purpose

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

3. Requirements

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

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

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

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

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

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

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

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

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

Beneficiary: _____

Request for Tenders No:

Date: _____

TENDER GUARANTEE No.: _____

Guarantor: _____

1. We have been informed that _____ (here inafter called "the Applicant") has submitted or will submit to the Beneficiary its Tender (here inafter 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 [Name of Procuring Entity] (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]

[Witness]

[Signature of the Guarantor]

[Seal]

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

TENDER-SECURING DECLARATION FORM

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

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

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

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

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

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

or partner or sole proprietor, etc.) Name:

..... Duly authorized to sign the bid

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

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

PART II - WORK REQUIREMENTS

SECTION V - DRAWINGS

**BILLS OF QUANTITIES FOR THE PROPOSED
CONSTRUCTION OF MUMBUNI HEALTH
CENTRE IN MWALA CONSTITUENCY,
MACHAKOS COUNTY**

PREAMBLES		
PREAMBLES AND PRICING NOTES		
A. GENERALLY		
	All work to be carried out in accordance with the Ministry of Roads, Housing & Urban Development and Public Works General Specifications for Building Works issued in 1976 or as qualified or amended below.	
B. MANUFACTURERS' NAMES		
	Where manufacturers' names and catalogue references are given for guidance to quality and standard only, alternative manufacturer of equal quality will be accepted at the discretion of the Project Manager.	
C. WALLING		
	All precast concrete blocks shall be manufactured by the methods and to the sizes specified in the Ministry of Roads, Housing & Urban Development and Public Works "Specification for Metric Sized Concrete Blocks for Building (1972)"	
D. CARPENTRY		
	The grading rules for cypress shall be the same for podocarpus and all timber used for structural work shall be select (second grade).	
E. JOINERY		
	Cypress for joinery shall be second grade in accordance with the latest grading rules of the Kenya Government.	
	Where Mahogany is specified, this refers to prime grade only. The Contractor may with the approval of the Project Manager; use either Msharagi or Mvuli in lieu of Mahogany but such approval will be given only in the case of shortages of the hardwoods specified.	
	Plugging shall be carried out by drilling walling or concrete with masonry drill and filling with propriety plugs of the correct sizes. Cutting with hammer and chisel will not be allowed.	
	Prices for joinery must include for pencil rounded arises, protection against damage, nails, screws, framing and bedding in cement mortar as required.	
	Sizes given for joinery items are nominal sizes and exact dimensions of doors, etc, must be ascertained on site.	

A. IRONMONGERY		
	Ironmongery shall be specified in the Bills of Quantities or equal and approved.	
	Prices must include for removing and re-fixing during and after painting, labeling all keys, and for fixing to hardwood, softwood, concrete or blockwork.	
	Catalogue references given for ironmongery are for purposes of indicating quality and size of item(s). Should the Contractor wish to substitute the specified item(s) with others of equal manufacture, he must inform the Project Manager and obtain approval in writing.	
B. STRUCTURAL STEELWORK		
	All structural steelwork shall comply with the Ministry of Roads, Housing & Urban Development and Public Works "Structural Steelwork Specification (1973) and shall be executed by an approved Sub-contractor.	
C. PLASTERWORK AND OTHER FINISHES		
	All finishing shall be as described in the general specifications and in these Bills of Quantities.	
	Prices for paving are to include for brushing concrete clean, wetting and coating with cement and sand grout 1:1.	
	Rates for glazed wall tiling are to include for a 12 mm cement and sand (1:4) backing screed unless otherwise specified in these Bills of Quantities.	
D. GLAZING		
	Where polished plate glass is specified, this refers to general glazing quality.	
	Prices for glazing shall include for priming of rebates before placing putty.	
	The Contractor will be responsible for replacing any broken or scratched glass and handing over in perfect condition.	
E. PAINTING		
	Painting shall be applied in accordance with the manufacturers' instructions.	
	Prices for painting are to include for scaffolding, preparatory work, priming coats, protection of other works and for cleaning up on completion. Prices for painting on galvanized metal are to include for mordant solution as necessary.	
F. TILES - CERAMIC, PORCELEIN, GRANITO ETC		
	No tiles shall be fitted/installed without sample approvals.	
	No claim shall be allowed on the grounds that the bidder priced an inferior quality	
G. CURTAINS & COVERS ETC		
	The bidder shall be deemed to have priced the best materials	
	No curtains & covers shall be fitted/installed without sample approvals.	
	No claim shall be allowed on the grounds that the bidder priced an inferior quality	

PARTICULAR PRELIMINARIES

Item	Description	Amount KSh
	<u>PARTICULAR PRELIMINARIES</u>	
A	<p>EMPLOYER</p> <p>The Employer is the State Department for Housing and Urban Development</p> <p>The term "Employer" and "Government" wherever used in the contract document shall be synonymous.</p>	
B	<p>PROJECT MANAGER</p> <p>The term "PM" wherever used in these Bills of Quantities shall be deemed to imply the project Manager as defined in General Conditions of Contract or such person or persons as may be duly authorised 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 whose address unless otherwise notified is State Department for Housing and Urban Development, P.O Box 30119-00100, NAIROBI.</p>	
D	<p>QUANTITY SURVEYOR</p> <p>The term "Quantity Surveyor" shall be deemed to mean "The P.M " as defined above whose address unless otherwise notified is State Department for Housing and Urban Development, P.O Box 30119-00100, NAIROBI.</p>	
E	<p>ELECTRICAL ENGINEER</p> <p>The term "Electrical Engineer" shall be deemed to mean "The P.M " as defined above whose address unless otherwise notified is State Department for Housing and Urban Development, P.O Box 30119-00100, NAIROBI.</p>	
F	<p>MECHANICAL ENGINEER</p> <p>The term "Mechanical Engineer" shall be deemed to mean "The P.M " as defined above whose address unless otherwise notified is State Department for Housing and Urban Development, P.O Box 30119-00100, NAIROBI.</p>	
G	<p>STRUCTURAL ENGINEER</p> <p>The term "Structural Engineer" shall be deemed to mean "The P.M " as defined above whose address unless otherwise notified is State Department for Housing and Urban Development, P.O Box 30119-00100, NAIROBI.</p>	
	<i>Carried to collection</i>	

<p>A</p> <p>B</p> <p>C</p> <p>D</p>	<p>PRICING ITEMS OF PRELIMINARIES Prices SHALL BE INSERTED against items of “preliminaries” in the tenderer’s priced Bills of Quantities. The contractor is advised to read and understand all preliminary items.</p> <p>SCOPE OF CONTRACT The works to be carried out comprises of a New Level Three Hospital and associated Electrical and Mechanical Installations works at Mumbuni - Machakos County.</p> <p>DESCRIPTION OF THE WORKS The Works consist of: Erection and completion of a two (2No.) level block on reinforced concrete foundations. The superstructure will be consist of concrete works and natural stone walling with horizontal key pointing, The roof slab consisting of box profile prepainted roofing sheets gauge 28 G.C.I sheets box profile on timber trusses. The external wall finish will consist of horizontal key pointing to wall, weatheguard paint to columns & beams. The internal wall finish will include plaster and paint & ceramic tiles to all wet areas. Floors to be finished in ceramic tiles and granolithick paving. Ceiling finishes are in plaster and paint, and chipboard ceiling on timber brandering. Doors are in solid core timber flush doors. Windows are in glazed steel casement Electrical works include electrical wiring & fittings Mechanical works including associated piping and fittings</p> <p>MEASUREMENTS In the event of any discrepancies arising between the Bills of Quantities and the actual works, the site measurements shall generally take precedence. However, such discrepancies between any contract documents shall immediately be referred to the PROJECT MANAGER in accordance with Clause 13 of the General Conditions of Contract. The discrepancies shall then be treated as a variation and be dealt with in accordance with Clause 13 of the said Conditions.</p>	
	<p><i>Carried to collection</i></p>	

<p>A</p> <p>B</p> <p>C</p> <p>D</p>	<p>FLOOR AREAS As in the designs and Bills of Quantities</p> <p>LOCATION OF SITE The site of the proposed works is at Mumbuni, Machakos County. The Contractor is advised to visit the site to familiarize with the nature and position of the site. No claims arising from the Contractor's failure to do so will be entertained.</p> <p>SIGNING OF THE TENDER DOCUMENTS The bidder shall append his / her signature and / or company's rubberstamp on each and every page of tender document.</p> <p>DEMOLITIONS AND ALTERATIONS The Contractor is to allow for all temporary protection required during the works including ordinary and special dust screens, hoardings, barriers, warning signs, etc as directed by the Project Manager and as necessary for the adequate propping and protection of existing property, finishes, workmen employed on the site, employer's agents and the public. Any damage or loss incurred due to the insufficiency of such protection must be made good by the Contractor. All protective devices are to be removed on completion of the works and any necessary making good consequent upon this is to be executed to the satisfaction of the Project Manager. The works shall be propped, strutted and supported as necessary before any alteration or demolition work commences. Prices shall include for all cleaning and preparatory work to structure and finishes and for making good to all finishes on completion whether or not specifically described. Unless described as set aside for re-use all arising debris and surplus materials shall be carefully removed from building and carted away from site. The Contractor shall be entirely responsible for any breakage or damage which may occur to materials required for re-use during their removal unless it is certified by the Project Manager that such damage or breakage was inevitable as a result of the condition of the item concerned.</p>	
	<p><i>Carried to collection</i></p>	

A	<p>CLEARING AWAY</p> <p>The Contractor shall remove all temporary works, rubbish, debris and surplus materials from the site as they accumulate and upon completion of the works, remove and clear away all plant, equipment, rubbish, unused materials and stains and leave in a clean and tidy state to the reasonable satisfaction of the Project Manager.</p> <p>The whole of the works shall be delivered up clean, complete and in perfect condition in every</p>	
B	<p>CLAIMS</p> <p>It shall be a condition of this contract that upon it becoming reasonably apparent to the Contractor that he has incurred losses and / or expenses due to any of the contract conditions, or by any other reason whatsoever, he shall present such a claim or intent to claim notice to the PROJECT MANAGER within the contract period. No claim shall be entertained upon the expiry of the said contract period.</p>	
C	<p>PAYMENTS</p> <p>The tenderer's attention is drawn to the fact that the GOVERNMENT DOES NOT MAKE ADVANCE PAYMENTS but pays for work done and materials delivered to sit: all in accordance with Clause 14 of the General Conditions of Contract Agreement. In order to facilitate this, a list of</p> <p>The tenderer's attention is drawn to the fact that the GOVERNMENT DOES NOT MAKE ADVANCE PAYMENTS but pays for work done and materials delivered to sit: all in accordance with Clause 14 of the General Conditions of Contract Agreement. In order to facilitate this, a list of the general component elements for the works is given at the summary page of these specifications and the tenderer is requested to break down his tender sum commensurate to the said elements.</p>	
D	<p>PREVENTION OF ACCIDENT, DAMAGE OR LOSS</p> <p>The Contractor is notified that these works are to be carried out on a restricted site where the client is going on with other normal activities. The Contractor is thus instructed to take reasonable care in the execution of the works as to prevent accidents, damage or loss and disruption of activities being carried out by the Client. The Contractor shall allow in his rates any expense he deemed necessary by taking such care within the site.</p>	
E	<p>WORKING CONDITIONS</p> <p>The Contractor shall allow in his rates for any interference that he may encounter in the course of the works for the Client may in some cases ask the Contractor not to proceed with the works until some activities within the site are completed, as the facility will be operating as usual during the course of the contract.</p>	
F	<p>SIGNBOARD</p> <p>Allow for providing, erecting, maintaining throughout the course of the Contract and afterwards clearing away a signboard as designed, specified and approved by the Project Manager.</p>	
G	<p>LABOUR CAMPS</p>	
	<p>The Contractor shall not be allowed to house labour on site. Allow for transporting workers to and from the site during the tenure of the contract.</p>	
	<p><i>Carried to collection</i></p>	

A	<p>MATERIALS FROM DEMOLITIONS</p> <p>Any materials arising from demolitions and not re-used shall become the property of the client. The Contractor shall allow in his rates the cost of disposing the demolished materials as directed.</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>SECURITY</p> <p>The Contractor shall allow for providing adequate security for the works and the workers in the course of execution of this contract. No claim will be entertained from the Contractor for not maintaining adequate security for both the works and workers.</p>	
D	<p>URGENCY OF THE WORKS</p> <p>The Contractor is notified that these “ works are urgent” and should be completed within the period stated in these Particular Preliminaries. The Contractor shall allow in his rates for any costs he/ she deems that he/she may incur by having to complete these works within the stipulated contract period.</p>	
E	<p>PAYMENT FOR MATERIALS ON SITE</p> <p>All materials for incorporation in the works must be stored on site before payment is effected, unless specifically exempted by the Project Manager. This is to include materials of the Contractor, nominated sub-Contractors and nominated suppliers.</p>	
F	<p>EXISTING SERVICES</p> <p>Prior to the commencement of any work, the Contractor is to ascertain from the relevant authority the exact position, depth and level of all existing services in the area and he/she shall make whatever provisions may be required by the authorities concerned for the support, maintenance and protection of such services.</p>	
G	<p>CONTRACT COMPLETION PERIOD</p>	
	<p>The contract completion period in accordance with condition 31 of the Conditions of contract must be adhered to.</p> <p>The ‘PROJECT MANAGER’ shall strictly monitor the Contractors progress in relation to the progress chart and should it be found necessary the ‘PROJECT MANAGER’ shall inform the Contractor in writing that his actual performance on site is not satisfactory .In all such cases the Contractor shall accelerate his rate of performance production and progress by all means such as additional labour,plant, e.t.c and working overtime all at his cost.</p>	
	<p><i>Carried to collection</i></p>	

A	<p>PERFORMANCE BOND</p> <p>A bond of 5% of the contract sum will be required in accordance with Instruction To Tenderers (ITT) 48.1 and clause 4.2.1 of the General Conditions of Contract on award of contract of the Instructions to Tenderer's. No payment on account for the works executed will be made to the contractor until he has submitted the Performance Bond to the Project Manager duly signed, sealed and stamped from an approved Bank.</p>	
B	<p>TENDER DOCUMENTS</p> <p>Tender documents are as listed in Clause 6.1 of the Instructions To Tenderers (ITT)</p>	
C	<p>DELIVERY OF TENDER</p> <p>Tenders and all documents in connection therewith, as specified above must be delivered in the addressed envelope which should be properly sealed and deposited at the offices as specified in the letter accompanying these documents or as indicated in the advertisement. Tenders will be opened at the time specified in the letter accompanying these Tender Documents or as indicated in the advertisement. Tenders delivered/received later than the above time will not be</p>	
D	<p>VALUE ADDED TAX</p> <p>The Contractor's attention is drawn to the Legal Notice in the Finance Act part 3 Section 21(b) operative from 1st September, 1993 which requires payment of VAT on all contracts. The Contractor should therefore include allowance in his rates and prices for prices for VAT and any other Government taxes currently in force.</p> <p>The tenderer is advised that in accordance with Government public notice No. 35 & 36 Dated 11th September 2003 operational from 1st October 2003, VAT will be deducted against the contract sum at the prevailing rate by the Employer and remitted directly to the Commissioner of VAT through all interim certificates. It should however be noted that this is not additional tax but a new mode of payment for VAT, any excess payment will be refundable once the Contractor has submitted monthly returns to the Commissioner of VAT who will do the refunds when satisfied that the VAT regulations have been complied with.</p> <p>NB: The Contractor should therefore include the VAT tax within the rates.</p>	
E	<p>EXISTING BUILDING MATERIALS</p>	
	<p>NOTE: Any materials found usable for the works shall be given to the contractor on credit with the approval of the client</p>	
	<p><i>Carried to collection</i></p>	

<p>A</p> <p>C</p> <p>D</p>	<p><u>PROJECT MANAGEMENT</u></p> <p>Allow a provisional sum of Kenya Shillings Two Million Hundred Thousand Only (Kshs. 2,000,000.00) for Per Diem allowances, Airtime and stationeries for Project Management Team</p> <p>Allow for Contractor's profit and overheads (%)</p> <p>TRANSPORT</p> <p>The contractor shall provide for site trips only a vehicle of type Toyota or Nissan Van to comfortably seat Nine Persons including maintaining licences and insurances, 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 State Department for Housing and Urban Development Technical team. The vehicle shall be in perfect conditions for the entire duration of the trip. i.e From State Department for Housing and Urban Development Head Office to Mumbuni, Machakos County and back to State Department for Housing and Urban Development Head Office including local running.</p> <p>The driver shall be at the sole discretion of the Project Manager for the entire duration of the trip, untill released by him ./ her.</p> <p>Reimbursements to the contractor for providing the transport services will be based per trip to the site and back during the curreny of the contract a rate as here below (Contractor to insert rate - Item C) inserted.</p> <p>Reimbursement to the contractor for providing driver, servicing, fuels, oils, lubricants and tyres will similarly be based per trip at a rate herebelow (Contractor to insert rate - item D).</p> <p>Allow for providing a vehicle a vehicle as above described including maintaining licenses and comprehensive insurance (X 20 TRIPS)</p> <p>Allow for providing a a driver, maintanance, fuels, lubricants, spares and tyres. (20 TRIPS)</p>	<p>2,000,000.00</p>
	<p><i>Carried to collection</i></p>	

PARTICULARS OF INSERTIONS TO BE MADE IN APPENDIX TO CONTRACT

The following are the insertions to be made in the appendix to the Contract Agreement: -
Period of Final Measurement 3 Months From Practical completion Defects Liability Period
6 Months from Practical completion Date for Possession To be agreed with the
Project Manager Date for Completion As stated in the Conditions of Contract
Prime cost sums for which The Contractor desires to
tender Period of Interim Certificates Monthly Period of
Honouring Certificates 60 days Percentage of Certified Value Retained 10% Limit of Retention Fund
10%

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	<p><u>COLLECTION</u></p> <p>Brought forward from page PP/1</p> <p>Brought forward from page PP/2</p> <p>Brought forward from page PP/3</p> <p>Brought forward from page PP/4</p> <p>Brought forward from page PP/5</p> <p>Brought forward from page PP/6</p> <p>Brought forward from page PP/7</p> <p>Brought forward from page PP/8</p>	
	TOTAL FOR PARTICULAR PRELIMINARIES CARRIED TO GRAND SUMMARY	

GENERAL PRELIMINARIES

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

A.	<p>EXCEPTION TO THE STANDARD METHOD OF MEASUREMENT</p> <p>Attendance ; Clause B19(a) of the Standard Method of Measurement is deleted and the following clause is substituted:-</p> <p>Attendance on nominated Sub-Contractors shall be given as an item in each case shall be deemed to include: allowing use of standing scaffolding, mess rooms, sanitary accommodation and welfare facilities; provision of special scaffolding where necessary; providing space for office accommodation and for storage of plant and materials; providing light and water for their work: clearing away rubbish; unloading checking and hoisting; providing electric power and removing and replacing duct covers, pipe casings and the like necessary for the execution and testing of Sub- Contractors' work and being responsible for the accuracy of</p> <p>Fix Only:-</p> <p>"Fix Only" shall mean take delivery at nearest railway station (Unless otherwise stated), pay all demurrage charges, load and transport to site where necessary, unload, store, unpack, assemble as necessary, distribute to position, hoist and fix only.</p>	
B	<p>FORM OF CONTRACT</p> <p>The Form of Contract shall be as stipulated in the Standard Tender Document for Procurement of Works (Building and Associated Civil Engineering Works) April 2022 Edition included herein: The Conditions of Contract are also included herein</p>	
	<p>Conditions of Contract</p> <p>These are numbered from 1 to 20 as set out in these tender documents.</p> <p>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>	
C	<p>PLANT, TOOLS AND VEHICLES</p> <p>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>	
D	<p>TRANSPORT.</p> <p>Allow for transport of workmen, materials, etc., to and from the site at such hours and by such routes as may be permitted by the competent authorities.</p>	
	<p><i>Carried to collection</i></p>	

A	<p>MATERIALS AND WORKMANSHIP. All materials and workmanship used in the execution of the work shall be of the best quality and description unless otherwise stated. The Contractor shall order all materials to be obtained from overseas immediately after the Contract is signed and shall also order materials to be obtained from local sources as early as necessary to ensure that they are onsite when required for use in the works. The Bills of Quantities shall not be used for the purpose of ordering materials.</p> <p>B 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 V.A.T., all at the Contractor's own cost and expense, to the satisfaction of the PROJECT MANAGER.</p> <p>C 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 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>D SAMPLES The Contractor shall furnish at his own cost any samples of materials or workmanship including concrete test cubes required for the works that may be called for by the PROJECT MANAGER for his approval until such samples are approved by the PROJECT MANAGER and the PROJECT MANAGER, may reject any materials or workmanship not in his opinion to be up to approved samples. The PROJECT MANAGER shall arrange for the testing of such materials as he may at his discretion deem desirable, but the testing shall be made at the expense of the Contractor and not at the expense of the PROJECT MANAGER. The Contractor shall pay for the testing in accordance with the current scale of testing charges laid down by the Ministry of Public Works. The procedure for submitting samples of materials for testing and the method of marking for identification shall be as laid down by the PROJECT MANAGER The Contractor shall allow in his tender for such samples and tests except those in connection with nominated sub-contractors' work.</p>	
	<i>Carried to collection</i>	

A	<p>GOVERNMENT ACTS REGARDING WORK, PEOPLE ETC.</p> <p>Allow for complying with all Government Acts, Orders and Regulations in connection with the employment of Labour and other matters related to the execution of the works. In particular the Contractor's attention is drawn to the provisions of the Factory Act 1950 and his tender must include for all costs arising or resulting from compliance with any Act, Order or Regulation relating to Insurances, pensions and holidays for workpeople or so the safety, health and welfare of the work people. 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 organisation of the works, supply and control of labour, etc., and allow accordingly in his tender. No claim in respect of want of knowledge in this connection will be entertained.</p>	
B	<p>SECURITY OF WORKS ETC.</p> <p>The Contractor shall be entirely responsible for the security of all the works stores, materials, plant, personnel, etc., both his own and sub-contractors' and must provide all necessary watching, lighting and other precautions as necessary to ensure security against theft, loss or damage and the protection of the public.</p>	
C	<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>	
D	<p>EXISTING PROPERTY.</p> <p>The Contractor shall take every precaution to avoid damage to all existing property including roads, cables, drains and other services and he will be held responsible for and shall make good all such damage arising from the execution of this contract at his own expense to the satisfaction of the PROJECT MANAGER</p>	
E	<p>VISIT SITE AND EXAMINE DRAWINGS.</p> <p>The Contractor is recommended to examine the drawings and visit the site the location of which is described in the Particular Preliminaries hereof. He shall be deemed to have acquainted himself therewith as to its nature, position, means of access or any other matter which, may affect his tender. No claim arising from his failure to comply with this recommendation will be considered.</p>	
	<p><i>Carried to collection</i></p>	

A	<p>ACCESS TO SITE AND TEMPORARY ROADS. Means of access to the Site shall be agreed with the PROJECT MANAGER prior to commencement of the work and Contractor must allow for building any necessary temporary access roads (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.</p>	
B	<p>AREA TO BE OCCUPIED BY THE CONTRACTOR 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>	
C	<p>OFFICE ETC. FOR THE PROJECT MANAGER The Contractor shall provide, erect and maintain where directed on site a properly ventilated lockable office for the consultants, having a minimum floor area of 40 Square Metres complete with furniture (Tables, chairs e.t.c). Provision shall be made for artificial lighting and cleaning facilities for the duration of the works. Upon completion the Contractor shall dismantle and clear away the office. He shall also provide a strong metal trunk complete with strong hasp and staple fastening and two keys. He shall provide, erect and maintain a lock-up type water or bucket closet for the sole use of the PROJECT MANAGER including making temporary connections to the drain where applicable to the satisfaction of Government and Medical Officer of Health and shall provide services of cleaner and pay all conservancy charges and keep both office and closet in a clean and sanitary condition from commencement to the completion of the works and dismantle and make good disturbed surfaces. The office and closet shall be completed before the Contractor is permitted to commence the works. The Contractor shall make available on the Site as and when required by the "PROJECT MANAGER" a modern and accurate level together with levelling staff, ranging rods and 50 metre metallic or linen tape.</p>	
D	<p>WATER AND ELECTRICITY SUPPLY FOR THE WORKS 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>	
	<p><i>Carried to collection</i></p>	

A	<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>	
B	<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. The term "Provisional Sum" wherever used in these Bills of Quantities shall have the meaning stated in Section A item A7(i) of the Standard Method of Measurement mentioned in clause 13.5 of the General 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 Sum" or "P.C. Sum" wherever used in these Bills of Quantities shall have the meaning stated in Section A item A7 (ii) of the Standard Method of Measurement. Persons or firms nominated by the PROJECT MANAGER to execute work or to provide and fix materials or goods as stated in Clause 5.0 of the General Conditions of Contract described herein as Nominated Sub-Contractors. Persons or 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>	
E	<p>ADJUSTMENT OF P.C. SUMS.</p> <p>In the final account all P.C. Sums shall be deducted and the amount properly expended upon the PROJECT MANAGER'S order in respect of each of them added to the Contract sum. The Contractor shall produce to the PROJECT MANAGER such quotations, invoices or bills, properly receipted, as may be necessary to show the actual details of the sums paid by the Contractor. Items of profit upon P.C. Sums shall be adjusted in the final account pro-rata to the amount paid. Items of "attendance" (as previously described) following</p> <p>P.C. Sums shall be adjusted pro-rata to the physical extent of the work executed (not pro-rata to the amount paid) and this shall apply even though the Contractor's priced Bill shows a percentage in the rate column in respect of them.</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>	
	<p><i>Carried to collection</i></p>	

A	<p>NOMINATED SUB-CONTRACTORS 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 Clause No. 5 of the General 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 Contractor's work concerned in the P.C. Sums under the description "add for Attendance".</p>	
B	<p>DIRECT CONTRACTS 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>	
C	<p>ATTENDANCE UPON OTHER TRADESMEN, ETC. The Contractor shall allow for the attendance of trade upon trade and shall afford any tradesmen or other persons employed for the execution of any work not included in this Contract every facility for carrying out their work and also for use of his ordinary scaffolding. The Contractor, however, shall not be required to erect any special scaffolding for them. The Contractor shall perform such cutting away for and making good after the work of such tradesmen or persons as may be ordered by the PROJECT MANAGER and the work will be measured and paid for to the extent executed at rates provided in these Bills.</p>	
D	<p>REMOVAL OF RUBBISH Removal of rubbish and debris from the Building and the site as it accumulates and at he completion of the works and removal all plant, scaffolding and unused materials at completion.</p>	
E	<p>INSURANCE The Contractor shall insure as required in the General Conditions of Contract clause 18. No payment on account of the work executed will be made to the Contractor until he has satisfied the PROJECT MANAGER either by production of an Insurance Policy or and Insurance Certificate that the provision of the foregoing Insurance Clauses have been complied with in all respects. Thereafter the PROJECT MANAGER shall from time to time ascertain that premiums are duly paid up by the Contractor who shall if called upon to do so, produce the receipted premium renewals for the PROJECT MANAGER's inspection.</p>	
F	<p>PROVISIONAL WORK All work described as "Provisional" in these Bills of Quantities is subject to remeasurement in order to ascertain the actual quantity executed for which payment will be made. All "Provisional" and other work liable to adjustment under this Contract shall left uncovered for a reasonable time to allow all measurements needed for such adjustment to be taken by the PROJECT MANAGER Immediately the work is ready for measuring, the Contractor shall give notice to the PROJECT MANAGER so directs uncover the work to enable all measurements to be taken and afterwards reinstate at his own expense.</p>	
	<p><i>Carried to collection</i></p>	

A	<p>ALTERATIONS TO BILLS, PRICING, ETC. Any unauthorised alteration or qualification made to the text of the Bills of Quantities may cause the Tender to be disqualified and will in any case be ignored. The Contractor shall be deemed to have made allowance in his prices generally to cover any items against which no price has been inserted in the priced Bills of Quantities. All items of measured work shall be priced in detail and the Tenders containing Lump Sums to cover trades or groups of work must be broken down to show the price of each item before they will be accepted.</p> <p>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> <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> <p>PROTECTION 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>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> <p>GENERAL SPECIFICATION.</p>	
	<p>For the full description of materials and workmanship, method of execution of the work and notes for pricing, the Contractor is referred to the Ministry of Roads and Public Works and Housing General Specification dated 1976 or any subsequent revision thereof which is issued as a separate document, and which shall be allowed in all respects unless it conflicts with the General Preliminaries, Trade Preambles or other items in these Bills of Quantities.</p>	
	<p><i>Carried to collection</i></p>	

A	<p>TRAINING LEVY</p> <p>The Contractor's attention is drawn to the legal notice which requires payment by the Contractor of a Training Levy at the rate of 1/4 % of the Contract sum on all contracts of more than KShs. 1,000,000.00 in value.</p>	
B	<p>MATERIALS ON SITE</p> <p>All materials for incorporation in the works must be stored on or adjacent to the site before payment is effected unless specifically exempted by the PROJECT MANAGER. This includes the materials of the Main Contractor, Nominated Sub-Contractors and Nominated Suppliers.</p>	
C	<p>HOARDING</p> <p>The Contractor shall enclose the site or part of the works under construction with a hoarding 2400 mm high consisting of iron sheets on 100 x 50 mm timber posts firmly secured at 1800 mm centres with two 75 x 50mm timber rails. The Contractor is in addition required to take all precautions necessary for the safe custody of the works, materials, plant, public and Employer's property on the site.</p>	
D	<p>CONTRACTOR'S SUPERINTENDENCE/SITE AGENT</p> <p>The Contractor shall constantly keep on the works a literate English speaking Agent or Representative, competent and experienced in the kind of work involved who shall give his whole experience in the kind of work involved and shall give his whole time to the superintendence of the works. Such Agent or Representative shall receive on behalf of the Contractor all directions and instructions from the Project Manager and such directions shall be deemed to have been given to the Contractor in accordance with the Conditions of Contract.</p>	
	<i>Carried to collection</i>	

	<p><u>COLLECTION</u> Brought Forward From Page GP/1 Brought Forward From Page GP/2 Brought Forward From Page GP/3 Brought Forward From Page GP/4 Brought Forward From Page GP/5 Brought Forward From Page GP/6 Brought Forward From Page GP/7 Brought Forward From Page GP/8 Brought Forward From Page GP/9</p>	
	TOTAL FOR GENERAL PRELIMINARIES CARRIED TO GRAND SUMMARY	

BUILDER'S WORK

GROUND FLOOR

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<u>SECTION NO .1. - GROUND FLOOR</u>					
<u>ELEMENT NO. 1 - SUBSTRUCTURES (ALL PROVISIONAL)</u>					
Notes.					
Tenderer to allow for working space in his rates.					
Excavations including trimming sides and bottoms of excavations; spoil heaping on site; double handling of excavated materials; maintaining and supporting sides; and keeping free from water, mud and fallen material; with and including destruction of termites nests within site of works,take out and destroy queens, impregnate holes and tunnels with insecticide and fill voids with approved material					
All excavations shall be measured net and no allowance shall be made for working space as per SMM D5(g)					
<u>Excavations</u>					
A	Mass Excavate to reduce levels not exceeding 1.50 metres deep from stripped level	CM	442		
B	Excavate for strip footing not exceeding 1.50 metres deep from reduced level	CM	37		
C	Excavate for column bases not exceeding 1.50 metres deep from reduced level	CM	28		
D	Extra over excavations for excavating in soft rock	CM	3		
<u>Disposal</u>					
E	Load,wheel and deposit surplus excavated material away from site	CM	442		
F	Return, fill and ram selected excavated material around foundations.	CM	65		
<u>Filling</u>					
G	300mm thick hardcore bed : hand packed : compacted in layers not exceeding 150mm thick : to the satisfaction of the Structural Engineer:	SM	395		
H	50mm Thick (Average) quarry dust or "equal and approved" blinding to surfaces of hardcore	SM	395		
J	Providing & laying Approved Fill Material (Natural Gravel), compacted in uniform layers of 200 - 300mm thick with motor grader on a prepared subgrade, compacting with vibratory rollers till 95% of the maximum dry density. Including tests on completion of each GSB layer. The strength of each GSB layer shall be evaluated by conducting CBR load test for obtaining a CBR value greater than 5 as per AASHTO T99	CM	409		
<u>Thickening</u>					
K	Extra Over in hardcore for forming sinkings average 600mm wide x 100mm deep	LM	3		
Total Carried to					
Collection					

A	<u>Anti - termite to treatment</u> Chemical anti-termite treatment, executed complete by an approved specialist under a ten-year guarantee, to surfaces of hardcore and vertical sides of excavated surfaces	SM	442		
B	<u>Damp-proof membrane</u> 1000 gauge polythene or other equal and approved damp-proof membrane, laid over blinded hardcore (measured separately) with 300mm side and end laps (measured nett-allow for laps)	SM	442		
C	<u>Mass concrete class 15 (1.4.8) in:-</u> 50mm thick blinding- Strip footing	SM	147		
D	50mm thick blinding - Column bases	SM	114		
E	<u>Vibrated reinforced concrete class 20, mix (1:2:4) with minimum cube strength of 13.5N/mm² at 7days and 20N/mm² at 28days with 20mm maximum aggregate size:-</u> Strip foundation	CM	29		
F	Column bases	CM	47		
G	Stub Columns	CM	5		
H	150mm thick surface bed	SM	442		
J	Steps and Ramp	CM	2		
	Reinforcement, as described:-[PROVISIONAL] <u>Reinforcement to BS 4449:1997, Grade 460B high strength type 2 Ribbed bars with proof stress of 460 N/mm²: Including all necessary cutting, bending, fixing, wastage, overlaps and provision of spacer blocks and stools to S.E.'s detail</u>				
K	16 mm Diameter bars	KG	1183		
L	12 mm Diameter bars	KG	1531		
M	10mm Diameter bars	KG	2088		
N	8mm Diameter bars	KG	2158		
P	<u>Steel mesh fabric reinforcement to BS 4483 : including setting in concrete with 300mm laps(measured nett : no allowance for laps)</u> Mesh reference A142 weighing 2.22 kilogrammes per square metre in floor beds	SM	442		
Total Carried to Collection					

SECTION NO .1. - GROUND FLOOR

ELEMENT NO 2- REINFORCED CONCRETE FRAME

Vibrated reinforced concrete class 20, mix (1:2:4) with minimum cube strength of 13.5N/mm² at 7days and 20N/mm² at 28days with 20mm maximum aggregate size:-

A	Columns	CM	11
B	Beams	CM	32
C	150mm thick suspended slab	SM	414

Reinforcement, as described:-[PROVISIONAL]

Reinforcement to BS 4449:1997, Grade 460B high strength type 2 Ribbed bars with proof stress of 460 N/mm²: Including all necessary cutting, bending, fixing, wastage, overlaps and provision of spacer blocks and stools to S.E's detail

D	20 mm Diameter bars	KG	624
E	16 mm Diameter bars	KG	1497
F	12 mm Diameter bars	KG	2870
G	10mm Diameter bars	KG	4992
H	8mm Diameter bars	KG	2496

Fair Face formwork as described to:-

J	Sides of columns	SM	176
K	Sides and soffits of beams	SM	391
L	Soffits of suspended slabs	SM	414
M	Edges of slab not exceeding 150mm girth	LM	122

ELEMENT NO. 2

REINFORCED CONCRETE FRAME Carried to Main Summary

SECTION NO .1. - GROUND FLOOR			
<u>ELEMENT NO. 3 STAIRCASE / RAMP CONSTRUCTION & FINISHES</u>			
<i><u>Vibrated reinforced concrete class 20, mix (1:2:4) with minimum cube strength of 13.5N/mm² at 7days and 20N/mm² at 28days with 20mm maximum aggregate size:-</u></i>			
A	Base	CM	2
B	Staircase	CM	7
C	175mm thick staircase landing	SM	11
D	Ramp Beams	CM	8
E	150mm thick suspended sloping ramp complete with treating surface of unset concrete; to produce ribbed, herring bone pattern grooves diagonal to traffic flow	SM	72
Reinforcement, as described:-[PROVISIONAL]			
<i><u>Reinforcement to BS 4449:1997, Grade 460B high strength type 2 Ribbed bars with proof stress of 460 N/mm². Including all necessary cutting, bending, fixing, wastage, overlaps and provision of spacer blocks and stools to S.E.'s detail</u></i>			
F	12 mm Diameter bars	KG	719
G	10mm Diameter bars	KG	1797
H	8mm Diameter bars	KG	1078
<i><u>Fair Face formwork as described to:-</u></i>			
J	Vertical Sides of bases	SM	11
K	Soffits of staircase landing	SM	11
L	Sloping soffits of staircase	SM	24
M	Vertical sides and soffits of ramp beams	SM	72
N	Soffits of Ramp	SM	98
P	Edges of staircase landing 150 - 225mm girth	LM	22
Q	Staircase stringers over 225mm but not exceeding 300mm wide	LM	32
R	Staircase risers 75 - 150mm high	LM	126
S	Edge of ramp, 75 - 150mm girth	LM	94
<u>FINISHES</u>			
<i><u>12mm thick (minimum) two coat cement, sand and lime plaster (1:1:6) with PVC edge and corner strip as described to:-</u></i>			
T	Soffits of staircase landings	SM	11
U	Sloping soffits of staircase & Ramp	SM	195
<i><u>Cement and sand (1:3) screeds, backings, beds etc</u></i>			
V	30mm thick bed finished to receive tile (m.s)	SM	11
W	300 x 30mm thick tread finished to receive tiles (m.s)	LM	114
X	150 x 20mm thick risers finished to receive tiles (m.s)	LM	126
Y	30mm thick bed finished to receive granolithic finish (m.s)	SM	72
Total Carried to Collection			

	<u>Supply & Fix tiles (To Architect's Approval) in regular or other approved pattern: to floor on prepared screed (m.s); with proprietary adhesive: jointed and pointed in matching coloured proprietary grouting: aluminium threshold, including pvc spacers and expansion joint as necessary: all to Architect's approval.</u>			
A	300 x 300 x 10mm thick Non - Slip Ceramic Tiles	SM	11	
B	Ditto to 300mm wide treads, Complete with 2No. grooves	LM	114	
C	Ditto to 150mm high risers	LM	126	
D	10 x 150mm high skirting	LM	13	
E	Ditto to profile of treads and risers	LM	32	
	<u>Granolithic floor finish from approved sources: cement and marble chippings (1:2); washed; machine polished; to cement and sand screed backing (m/s)</u>			
F	20mm thick to ramps	SM	72	
G	25mm thick plastic dividing strips set flush with paving	LM	216	
H	Extra over treads for non-slip caborandum strip	LM	38	
	<u>Painting and decorating</u>			
	<u>Skim, Prepare and apply three coats first quality silk vinyl emulsion paint on:-</u>			
J	Plastered soffits of landings, staircase & Ramp	SM	206	
	<u>Balustrading and Railing - (Provisional)</u>			
	<u>Staircase railing: In Mild Steel; one coat red oxide primer; three coats enamel gloss paintwork to metal surfaces</u>			
K	1100mm high balustrading comprising 50mm diameter mild steel handrail welded onto and including 40mm diameter mild steel vertical balusters: 1100mm high balusters at 900mm centres: 2No. 30 x 3mm mild steel flat intermediate rails infilled with and including 25mm diameter 2tier mild steel intermediate balusters at 900mm centres (Refer to architect's details)	LM	27	
L	Ditto to Ramp	LM	86	
	<u>60mm diameter mildsteel handrail fixed to masonry wall solid balustrade using 200mm long 38mm diameter mildsteel brackets at 600mm centres.</u>			
M	Handrail fixed to the wall	LM	12	
	Total Carried to Collection			
	COLLECTION			
	Carried from page GF/5			
	Carried from Above			
	ELEMENT NO. 3			
	STAIRCASE CONSTRUCTION & FINISHES Carried to the Main summary			

SECTION NO .1. - GROUND FLOOR					
ELEMENT NO. 4 - WALLING					
<i>Precast concrete class 20(12mm aggregate) including forwork , finishing fair face on all exposed surfaces and bedding and jointing in cement sand (1:3) mortar</i>					
A	225mm thick approved precast concrete vent block bedded and jointed in cement and sand (1:3) mortar	SM	23		
B	200 x 200mm lintol, reinforced with and including four 12mm diameter mild steel rods and 6mm stirrups at 200mm centers	LM	12		
<i>Permanent ventilation</i>					
C	Pair of permanent ventilation size 225 x 225 x 25mm thick fixed with and including mosquito wire gauze	NO	30		
<i>External walling</i>					
<i>Natural hard machine cut stone from an approved quarry with a crushing strength of 7.0 N/mm²; walling bedded and jointed in cement and sand (1:3) mortar, with and including reinforcement with and including 25mm wide x 20 gauge hoop iron at every alternate course as described in;</i>					
D	200mm thick walling externally	SM	298		
E	Extra Over for key pointing - horizontal	SM	298		
<i>Internal walling</i>					
<i>Natural hard machine cut stone from an approved quarry with a crushing strength of 7.0 N/mm²; walling bedded and jointed in cement and sand (1:3) mortar, with and including reinforcement with and including 25mm wide x 20 gauge hoop iron at every alternate course as described in;</i>					
F	200mm thick walling internally	SM	421		
G	150mm thick walling internally	SM	42		
H	100mm thick walling internally	SM	27		
ELEMENT NO. 4					
WALLING Carried to the Main summary					

<u>SECTION NO .1. - GROUND FLOOR</u>			
<u>ELEMENT NO. 6 - INTERNAL FINISHES</u>			
<u>Floor finishes</u>			
	<i>Cement and sand (1:3) screeds, backings, beds etc</i>		
A	30mm thick bed finished to receive granolithic finish (m.s)	SM	231
B	30mm thick bed finished to receive tiles (m.s)	SM	177
	<i>Granolithic floor finish from approved sources; cement and marble chippings (1:2); washed; machine polished; to cement and sand screed backing (m/s)</i>		
C	20mm thick	SM	231
D	Ditto to 100mm high skirtings	LM	182
E	25mm thick plastic dividing strips set flush with paving	LM	693
	<i>Supply & Fix tiles (To Architect's Approval) in regular or other approved pattern; to floor on prepared screed (m.s); with proprietary adhesive; jointed and pointed in matching coloured proprietary grouting; aluminium threshold including pvc spacers and expansion joint as necessary; all to Architect's approval.</i>		
F	300 x 300 x 10mm thick Non - Slip Ceramic Tiles	SM	177
G	Ditto to 100mm high skirtings	LM	148
	<u>Internal Wall finishes</u>		
	<i>12mm (minimum) two coat lime plaster including skimming; Plaster; 9mm thick first coat of cement and sand (1:4); 3mm second coat of cement and lime putty (1:6); steel trowelled smooth; complete with wire gauze anti-crack mechanism at the intersection of masonry walling and concrete beams as described to:-</i>		
H	Concrete/masonry surfaces internally generally	SM	1411
	<i>Cement and sand (1:4) backings etc</i>		
J	15mm backing finished to receive ceramic wall tiles (m.s)	SM	94
	Total Carried to Collection		

	<p><u>Supply & Fix Approved tiles to Architect's selection & approval to floor on prepared backing (m.s) in approved patterns as directed by the Architect; with proprietary adhesive; jointed and pointed in matching coloured proprietary anti-fungal waterproof grouting; aluminium threshold & corner strips including pvc spacers and expansion joint as necessary; all to Architect's approval.</u></p>				
A	200 x 300 x 10mm thick Matt Ceramic Tiles	SM	94		
	<p><u>Ceiling finishes</u></p> <p><u>12mm (minimum) two coat lime plaster including skimming; Plaster: 2mm thick first coat of cement and sand (1:4); 3mm second coat of cement and lime putty (1:6); steel trowelled smooth;</u></p>				
B	Concrete soffits	SM	408		
	<p><u>Painting and decorating</u></p> <p><u>Skim, Prepare and apply three coats first quality silk vinyl emulsion paint on:-</u></p>				
C	Plastered vertical wall/concrete surfaces	SM	1411		
D	Plastered soffits	SM	408		
	Total Carried to Collection				
	COLLECTION				
	Carried from page FF/3				
	Carried from Above				
	ELEMENT NO. 6				
	INTERNAL FINISHES Carried to the Main summary				

SECTION NO .1. - GROUND FLOOR			
ELEMENT NO. 7 - WINDOWS			
<u>Steel casement windows [Refer to the Architect's drawing & detail]</u>			
<u>Supply and fix the following standard mild steel casement windows comprising of standard Z-section framing; complete with aluminium fasteners, stays and all other necessary iron mongery; including burglar proofing and 75x3mm thick perforated permanent vent and hood at the top infilled with mosquito gauze wire and all primed in one coat red oxide primer before delivery to the site</u>			
A	Window Overall size 1,800 x 1,800mm high	NO	18
B	Window Overall size 1,500 x 1,800mm high	NO	1
C	Window Overall size 1,200 x 900mm high	NO	1
D	Window Overall size 900 x 900mm high	NO	5
<u>Clear Sheet Glass</u>			
E	4mm Glass and glazing to metal with putty in panes, girth - 0.10 to 0.50 square meters	SM	62
F	Ditto but Frosted glass	SM	4
<u>Burglar proofing</u>			
G	Supply and fix decorate mild steel grilles in 50 x 50 x 3mm thick square hollow sections external framework and infilled with 25 x 25 x 3mm SHS and 25 x 8mm thick flat bars all cut and welded together in approved decorative patterns including priming with red lead oxide after fabrication	SM	5
<u>Window cill</u>			
<u>Precast concrete class 20 (12mm aggregate), including formwork, finishing fair face on all exposed surfaces, hoisting and placing in position, bedding and jointing in cement and sand (1:3) mortar</u>			
H	150 x 50mm thick window cill once rebated; 20 x 20mm splaged drip and jointing in cement and sand 1:3 mortar	LM	47
<u>In Prime Grade W/rot Cypress</u>			
J	175 x 25mm window board, plugged, screwed and pelleted	LM	47
K	25 x 25mm quadrant beading; plugged	LM	47
<u>Curtain Rods</u>			
L	Twin curtain rod comprising 30mm and 25mm diameter mild steel rods , joint together and secured to wall with approved mild steel brackets : primed and painted : 2no. mild steel decorative top stop knobs : curtain rings and wall mounted fastening hook and all other necessary accessories, all in accordance with Architect's details	LM	47
Total Called to Collection			

	<u>Finishing to reveals</u> <u>15 mm cement and sand (1:3) render, finished with woodfloat to:-</u>				
A	Concrete or masonry surfaces externally	SM	16		
	<u>12mm (minimum) two coat lime plaster as described to</u>				
B	Concrete or masonry surfaces internally	SM	16		
	<u>Painting & derocation</u>				
	<u>Prepare and apply one undercoat and two finishing coats first quality</u> <u>weatherguard emulsion paint on:-</u>				
C	Concrete or masonry surfaces externally	SM	16		
	<u>Skim, Prepare and apply three coats first quality silk vinyl emulsion paint on:-</u>				
D	Plastered walls internally	SM	16		
	<u>Prepare, touch up one coat grey oxide primer and apply three coats of first</u> <u>quality gloss oil paint from approved sources to:-</u>				
E	General surfaces of windows	SM	132		
	<u>Knot, prime, stop and apply three coats polyurethane clear varnish to:-</u>				
F	Window board/Beading over 200mm but not exceeding 300mm girth	LM	47		
	Total Carried to Collection				
	COLLECTION				
	Carried from page FF/3				
	Carried from Above				
	ELEMENT NO. 7				
	WINDOWS Carried to the Main summary				

SECTION NO .1. - GROUND FLOOR					
<u>ELEMENT NO. 8 - DOORS</u>					
<i><u>Supply and fix hardwood Frames with and including supply of low expansion polyurethane foam ; in Wrot mahogany or equivalent hardwood and approved (stained to match the colour of veneer):</u></i>					
A	Ex 50 x 200mm Frame with one labour and 10mm groove to detail; plugged	LM	43		
B	Ditto Transome	LM	12		
C	Ex 50 x 25mm Architrave with 10mm groove to detail; plugged	LM	85		
D	Ex 25 x 25mm quadrant	LM	85		
<i><u>Supply and fix softwood Frames with and including supply of low expansion polyurethane foam; in Prime Grade Wrot Cypress or equivalent softwood and approved (stained to match the colour of veneer):</u></i>					
E	Ex 50 x 200mm Frame with one labour and 10mm groove to detail; plugged	LM	132		
F	Ditto Transome	LM	22		
G	Ex 50 x 25mm Architrave with 10mm groove to detail; plugged	LM	265		
H	Ex 25 x 25mm quadrant	LM	265		
<u>Solid timber doors</u>					
<i><u>50mm thick solid core Mahogany panelled doors to B.S 459: part 2 faced both sides with 6mm mahogany plywood and lipped on all edges in hardwood; including grooves per detail</u></i>					
J	Double Door Overall Size 3100 x 2600mm high comprising of 2No. Equal openable door leaves size 1000 x 2400mm high with 100 x 50mm top and middle rails, 100 x 50mm stiles, curved mullions and mouldings - All to the Architects Detail	NO	1		
K	Ditto size 2400 x 2600 mm high in 2 No. equal openable door leaves size 750 x 2400mm high	NO	2		
L	Ditto size 1200 x 2600 mm high in 2 No. equal openable door leaves size 600 x 2400mm high	NO	3		
<u>Solid flush doors</u>					
<i><u>50mm thick solid core flush door to B.S 459: part 2 faced both sides faced both sides with 3mm veneer and lipped on all edges in hardwood, all as per Architects details</u></i>					
N	Double Door size 1,500mm x 2400mm high	NO	2		
P	Single Leaf Door size 1,000mm x 2400mm high	NO	1		
Q	Single Leaf Door size 900mm x 2400mm high	NO	15		
Total Carried to Collection					

	Semi Solid flush doors <i>45mm thick semi solid core flush door to B.S 459: part 2 faced both sides faced both sides with 3mm veneer and lipped on all edges in hardwood, all as per Architects details</i>				
A	Single Leaf Door size 900mm x 2400mm high	NO	5		
	<i>Fanlight glazing</i>				
B	4mm thick clear glass fixed with timber beads (m.s)	SM	9		
C	Ditto but obscured to washroom doors	SM	1		
	<i>Painting and decorating</i> <i>Aluminium primer or other equal and approved wood primer before fixing: -</i>				
D	Frames; over 100mm but not exceeding 200mm girth	LM	350		
E	Surfaces over 300mm girth	SM	60		
	<i>Prepare and apply approved stain, sanding sealer and three coats of 'Crown Paints Solo' or other equal and approved varnish to :</i>				
F	General timber surfaces	SM	165		
G	Frames; over 100mm but not exceeding 200mm girth	LM	350		
H	Surfaces over 300mm girth	SM	60		
	Total Called to Collection				

	<u>Ironmongery</u>				
	<u>Supply and fix the following ironmongery as approved with matching screws:-</u>				
	<u>To softwood, hardwood or the like fixing with screw:</u>				
A	Brass ball bearing hinges; 100 mm	PRS.	48.0		
B	Double action stainless steel hinges	PRS.	7.5		
C	Four lever mortice lock complete with furniture	NO	6		
D	Three lever mortice lock complete with furniture	NO	18		
E	Two lever mortice lock complete with furniture	NO	5		
F	Aluminium door Kicker plates; 900mm x 300mm	NO	10		
G	Coat & hat hook - Rubber tipped	NO	5		
H	Delayed Heavy Duty action closer as approved	NO	24		
	<u>To concrete or blockwork; fixing with bolts; plugging</u>				
J	Rubber door stop	NO	83		
	Total Carried to Collection				
	COLLECTION				
	Carried from page FF/3				
	Carried from page FF/3				
	Carried from Above				
	ELEMENT NO. 8				
	DOORS Carried to the Main summary				

SECTION NO .1. - GROUND FLOOR					
ELEMENT NO. 9- JOINERY & FITTINGS - RATE ONLY					
<u>TENDERER TO PROVIDE RATES FOR THE FOLLOWING ITEMS</u>					
<u>Reception Counter</u>					
A	Reception counter overall size 5500 x 900 x 1200mm high shaped to details comprising of 20mm thick granite slab worktop fixed onto 20mm thick blockboard,20mm thick laminated MDF doors, dividing panels, frontal faces with decorations to details.	NO	0		
<i><u>The following in 100mm thick benching concrete class 15 with 12mm cement sand plaster to top and edges; including all necessary formwork and BRC A142 mesh reinforcement weighing 2.22 kg per square metre</u></i>					
B	100mm thick benching	SM	0		
<u>Worktops</u>					
<i><u>600mm wide tops; 75mm thick reinforced concrete (class 25/20 mm aggregate) suspended worktop and fascia; Single layer fabric mesh reinforcement to BS 4483 ref. A142 weighing ; 2.22 kg per square metre fixed in suspended worktop; Sawn formwork to horizontal soffits and sides of worktop and vertical edges of suspended slab; build end of 75 mm thick suspended concrete slab in masonry walling, 100 mm thick; finished with 20mm thick terrazzo finish to top, edges, 300mm high fascia and plaster and paint to soffits</u></i>					
C	9,000mm long	NO	0		
D	6,000mm long	NO	0		
E	4,500mm long	NO	0		
F	5,000mm long; allow for forming holes for sink (m.s)	NO	0		
G	3,100mm long; allow for forming holes for sink (m.s)	NO	0		
<i><u>The following in blockboard shelf, sides dividers, back etc stained moulded oak veneered blockboard drawers and doors, complete with malpha hinges viro make cylinder lock, handles and eggshell paint</u></i>					
H	Low level cupboard size 9,000 x 600 x 900mm high	NO	0		
J	Ditto 6,000mm long	NO	0		
K	Ditto 5,000mm long	NO	0		
L	Ditto 4,500mm long	NO	0		
M	High level cupboard size 9,000 x 300 x 600mm high	NO	0		
N	Ditto 6,000mm long	NO	0		
P	Ditto 5,000mm long	NO	0		
Q	Ditto 4,500mm long	NO	0		
R	Ditto 3,100mm long	NO	0		
ELEMENT NO. 9					
JOINERY FITTINGS		Carried to the Main summary			

SECTION NO .1. - GROUND FLOOR

ELEMENT NO. 10- BUILDER'S WORK IN CONNECTION WITH SPECIALIST SERVICES

Inspect all architectural, mechanical, electrical and structural drawings as provided; allow for all builders work associated with all the specialist works

A

Cut away fittings and pipework; form all holes, chases, etc and make good after the plumber, electrician and all other specialist works

ITEM

ELEMENT NO. 10

BUILDER'S WORK IN CONNECTION Carried to the Main summary

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>SECTION NO .1. - GROUND FLOOR MAIN SUMMARY</u>				
1	SUBSTRUCTURES	KSHS	GF/3		
2	REINFORCED CONCRETE FRAME	KSHS	GF/4		
3	STAIRCASE CONSTRUCTION & FINISHES	KSHS	GF/6		
4	WALLING	KSHS	GF/7		
5	EXTERNAL FINISHES	KSHS	GF/8		
6	INTERNAL FINISHES	KSHS	GF/10		
7	WINDOWS	KSHS	GF/12		
8	DOORS	KSHS	GF/14		
9	JOINERY FITTINGS	KSHS	GF/15		
10	BUILDER'S WORK IN CONNECTION	KSHS	GF/16		
	SECTION NO. 1 - GROUND FLOOR				
	<u>TOTAL AMOUNT CARRIED TO THE GRAND SUMMARY</u>				

FIRST FLOOR

SECTION 2. - FIRST FLOOR

ELEMENT NO 1 - REINFORCED CONCRETE FRAME

Vibrated reinforced concrete class 20, mix (1:2:4) with minimum cube strength of 13.5N/mm² at 7days and 20N/mm² at 28days with 20mm maximum aggregate size:-

A	Columns	CM	11
B	Beams	CM	32
C	150mm thick suspended slab	SM	414

Reinforcement, as described:-[PROVISIONAL]

Reinforcement to BS 4449:1997, Grade 460B high strength type 2 Ribbed bars with proof stress of 460 N/mm². Including all necessary cutting, bending, fixing, wastage, overlaps and provision of spacer blocks and stools to S.E.'s detail

D	20 mm Diameter bars	KG	624
E	16 mm Diameter bars	KG	1497
F	12 mm Diameter bars	KG	2870
G	10mm Diameter bars	KG	4992
H	8mm Diameter bars	KG	2496

Fair Face formwork as described to:-

J	Sides of columns	SM	176
K	Sides and soffits of beams	SM	391
L	Soffits of suspended slabs	SM	414
M	Edges of slab not exceeding 150mm girth	LM	122

ELEMENT NO. 1

REINFORCED CONCRETE FRAME Carried to Main Summary

SECTION NO. 2. - FIRST FLOOR				
ELEMENT NO. 2 STAIRCASE / RAMP CONSTRUCTION & FINISHES				
<i>Vibrated reinforced concrete class 20, mix (1:2:4) with minimum cube strength of 13.5N/mm² at 7days and 20N/mm² at 28days with 20mm maximum aggregate size:-</i>				
A	Base	CM	2	
B	Staircase	CM	7	
C	175mm thick staircase landing	SM	11	
D	Ramp Beams	CM	8	
E	150mm thick suspended sloping ramp complete with treating surface of unset concrete; to produce ribbed, herring bone pattern grooves diagonal to traffic flow	SM	72	
Reinforcement, as described:-[PROVISIONAL]				
<i>Reinforcement to BS 4449:1997, Grade 460B high strength type 2 Ribbed bars with proof stress of 460 N/mm². Including all necessary cutting, bending, fixing, wastage, overlaps and provision of spacer blocks and stools to S.E.'s detail</i>				
F	12 mm Diameter bars	KG	719	
G	10mm Diameter bars	KG	1797	
H	8mm Diameter bars	KG	1078	
<i>Fair Face formwork as described to:-</i>				
J	Vertical Sides of bases	SM	11	
K	Soffits of staircase landing	SM	11	
L	Sloping soffits of staircase	SM	24	
M	Vertical sides and soffits of ramp beams	SM	72	
N	Soffits of Ramp	SM	98	
P	Edges of staircase landing 150 - 225mm girth	LM	22	
Q	Staircase stringers over 225mm but not exceeding 300mm wide	LM	32	
R	Staircase risers 75 - 150mm high	LM	126	
S	Edge of ramp, 75 - 150mm girth	LM	94	
FINISHES				
<i>12mm thick (minimum) two coat cement, sand and lime plaster (1:1:6) with PVC edge and corner strip as described to:-</i>				
T	Soffits of staircase landings	SM	11	
U	Sloping soffits of staircase & Ramp	SM	195	
<i>Cement and sand (1:3) screeds, backings, beds etc</i>				
V	30mm thick bed finished to receive tile (m.s)	SM	11	
W	300 x 30mm thick tread finished to receive tiles (m.s)	LM	114	
X	150 x 20mm thick risers finished to receive tiles (m.s)	LM	126	
Y	30mm thick bed finished to receive granolithic finish (m.s)	SM	72	
Total Carried to Collection				

	<u>Supply & Fix tiles (To Architect's Approval) in regular or other approved pattern: to floor on prepared screed (m.s); with proprietary adhesive: jointed and pointed in matching coloured proprietary grouting: aluminium threshold, including pvc spacers and expansion joint as necessary: all to Architect's approval.</u>			
A	300 x 300 x 10mm thick Non - Slip Ceramic Tiles	SM	11	
B	Ditto to 300mm wide treads, Complete with 2No. grooves	LM	114	
C	Ditto to 150mm high risers	LM	126	
D	10 x 150mm high skirting	LM	13	
E	Ditto to profile of treads and risers	LM	32	
	<u>Granolithic floor finish from approved sources; cement and marble chippings (1:2); washed; machine polished; to cement and sand screed backing (m/s)</u>			
F	20mm thick to ramps	SM	72	
G	25mm thick plastic dividing strips set flush with paving	LM	216	
H	Extra over treads for non-slip caborandum strip	LM	38	
	<u>Painting and decorating</u>			
	<u>Skim, Prepare and apply three coats first quality silk vinyl emulsion paint on:-</u>			
J	Plastered soffits of landings, staircase & Ramp	SM	206	
	<u>Balustrading and Railing - (Provisional)</u>			
	<u>Staircase railing; In Mild Steel; one coat red oxide primer; three coats enamel gloss paintwork to metal surfaces</u>			
K	1100mm high balustrading comprising 50mm diameter mild steel handrail welded onto and including 40mm diameter mild steel vertical balusters: 1100mm high balusters at 900mm centres: 2No. 30 x 3mm mild steel flat intermediate rails infilled with and including 25mm diameter 2tier mild steel intermediate balusters at 900mm centres (Refer to architect's details)	LM	27	
L	Ditto to Ramp	LM	86	
	<u>60mm diameter mildsteel handrail fixed to masonry wall solid balustrade using 200mm long 38mm diameter mildsteel brackets at 600mm centres.</u>			
M	Handrail fixed to the wall	LM	12	
	Total Carried to Collection			
	COLLECTION			
	Carried from page GF/5			
	Carried from Above			
	ELEMENT NO. 2			
	STAIRCASE CONSTRUCTION & FINISHES Carried to the Main summary			

SECTION NO. 2. - FIRST FLOOR					
ELEMENT NO. 3 - WALLING					
<i>Precast concrete class 20(12mm aggregate) including forwork , finishing fair face on all xposed surfaces.and bedding and jointing in cement sand (1:3) mortar</i>					
A	225mm thick approved precast concrete vent block bedded and jointed in cement and sand (1:3) mortar	SM	23		
B	200 x 200mm lintol, reinforced with and including four 12mm diameter mild steel rods and 6mm stirrups at 200mm centers	LM	12		
<i>Permanent ventilation</i>					
C	Pair of permanent ventilation size 225 x 225 x 25mm thick fixed with and including mosquito wire gauze	NO	30		
<i>External walling</i>					
<i>Natural hard machine cut stone from an approved quarry with a crushing strength of 7.0 N/mm²; walling bedded and jointed in cement and sand (1:3) mortar, with and including reinforcement with and including 25mm wide x 20 gauge hoop iron at every alternate course as described in:</i>					
D	200mm thick walling externally	SM	298		
E	Extra Over for key pointing - horizontal	SM	298		
<i>Internal walling</i>					
<i>Natural hard machine cut stone from an approved quarry with a crushing strength of 7.0 N/mm²; walling bedded and jointed in cement and sand (1:3) mortar, with and including reinforcement with and including 25mm wide x 20 gauge hoop iron at every alternate course as described in:</i>					
F	200mm thick walling internally	SM	421		
G	150mm thick walling internally	SM	42		
H	100mm thick walling internally	SM	27		
ELEMENT NO. 3					
WALLING Carried to the Main summary					

<u>SECTION NO. 2. - FIRST FLOOR</u>				
<u>ELEMENT NO. 4 - EXTERNAL FINISHES</u>				
<u>External Floor finishes</u>				
	<i>Cement and sand (1:3) screeds, backings, beds etc</i>			
A	30mm thick bed finished to receive granolithic finish (m.s)	SM	34	
	<i>Granolithic floor finish from approved sources:cement and marble chippings (1:2); washed; machine polished; to cement and sand screed backing (m/s)</i>			
B	20mm thick	SM	34	
C	Ditto to 100mm high skirtings	LM	16	
F	25mm thick plastic dividing strips set flush with paving	LM	102	
<u>External wall finishes</u>				
	<i>15mm (minimum) render of cement and sand (1:4); wood tronelled smooth; complete with wire gauze anti-crack mechanism at the intersection of masonry walling and concrete beams as described to:-</i>			
D	Concrete/masonry surfaces to receive paint (m.s)	SM	166	
<u>Ceiling finishes</u>				
	<i>12mm (minimum) two coat lime plaster including skimming; Plaster: 9mm thick first coat of cement and sand (1:4); 3mm second coat of cement and lime putty (1:6); steel tronelled smooth;</i>			
E	Concrete soffits	SM	39	
<u>Painting and decorating</u>				
	<i>Prepare and apply three coats exterior premium quality silicon based weather guard paint: colour to approval by application strictly in accordance with suppliers printed instructions</i>			
F	Plastered vertical wall/concrete surfaces	SM	166	
G	Plastered soffits	SM	39	
ELEMENT NO. 4				
EXTERNAL FINISHES				
		Carried to the		
		Main summary		

<u>SECTION NO. 2. - FIRST FLOOR</u>			
<u>ELEMENT NO. 5 - INTERNAL FINISHES</u>			
<u>Floor finishes</u>			
	<i>Cement and sand (1:3) screeds, backings, beds etc</i>		
A	30mm thick bed finished to receive granolithic finish (m.s)	SM	231
B	30mm thick bed finished to receive tiles (m.s)	SM	177
	<i>Granolithic floor finish from approved sources:cement and marble chippings (1:2); washed; machine polished; to cement and sand screed backing (m/s)</i>		
C	20mm thick	SM	231
D	Ditto to 100mm high skirtings	LM	182
E	25mm thick plastic dividing strips set flush with paving	LM	693
	<i>Supply & Fix tiles (To Architect's Approval) in regular or other approved pattern; to floor on prepared screed (m.s); with proprietary adhesive; jointed and pointed in matching coloured proprietary grouting; aluminium threshold including pvc spacers and expansion joint as necessary: all to Architect's approval.</i>		
F	300 x 300 x 10mm thick Non - Slip Ceramic Tiles	SM	177
G	Ditto to 100mm high skirtings	LM	148
	<u>Internal Wall finishes</u>		
	<i>12mm (minimum) two coat lime plaster including skimming; Plaster; 9mm thick first coat of cement and sand (1:4); 3mm second coat of cement and lime putty (1:6); steel trowelled smooth; complete with wire gauze anti-crack mechanism at the intersection of masonry walling and concrete beams as described to:-</i>		
H	Concrete/masonry surfaces internally generally	SM	1411
	<i>Cement and sand (1:4) backings etc</i>		
J	15mm backing finished to receive ceramic wall tiles (m.s)	SM	94
	Total Carried to Collection		

	<p><u>Supply & Fix Approved tiles to Architect's selection & approval to floor on prepared backing (m.s) in approved patterns as directed by the Architect; with proprietary adhesive; jointed and pointed in matching coloured proprietary anti-fungal waterproof grouting; aluminium threshold & corner strips including pvc spacers and expansion joint as necessary; all to Architect's approval.</u></p>				
A	200 x 300 x 10mm thick Matt Ceramic Tiles	SM	94		
	<p><u>Ceiling finishes</u></p> <p><u>12mm (minimum) two coat lime plaster including skimming; Plaster: 2mm thick first coat of cement and sand (1:4); 3mm second coat of cement and lime putty (1:6); steel trowelled smooth;</u></p>				
B	Concrete soffits	SM	408		
	<p><u>Painting and decorating</u></p> <p><u>Skim, Prepare and apply three coats first quality silk vinyl emulsion paint on:-</u></p>				
C	Plastered vertical wall/concrete surfaces	SM	1411		
D	Plastered soffits	SM	408		
	Total Carried to Collection				
	COLLECTION				
	Carried from page FF/3				
	Carried from Above				
	ELEMENT NO. 5				
	INTERNAL FINISHES Carried to the Main summary				

SECTION NO. 2. - FIRST FLOOR

ELEMENT NO. 6 - WINDOWS

Steel casement windows [Refer to the Architect's drawing & detail]
Supply and fix the following standard mild steel casement windows comprising of standard Z-section framing; complete with aluminium fasteners, stays and all other necessary iron mongery; including burglar proofing and 75x3mm thick perforated permanent vent and hood at the top infilled with mosquito gauze wire and all primed in one coat red oxide primer before delivery to the site

A	Window Overall size 1,800 x 1,800mm high	NO	18	
B	Window Overall size 1,500 x 1,800mm high	NO	1	
C	Window Overall size 1,200 x 900mm high	NO	1	
D	Window Overall size 900 x 900mm high	NO	5	
<u>Clear Sheet Glass</u>				
E	4mm Glass and glazing to metal with putty in panes, girth - 0.10 to 0.50 square meters	SM	62	
F	Ditto but Frosted glass	SM	4	
<u>Burglar proofing</u>				
G	Supply and fix decorate mild steel grilles in 50 x 50 x 3mm thick square hollow sections external framework and infilled with 25 x 25 x 3mm SHS and 25 x 8mm thick flat bars all cut and welded together in approved decorative patterns including priming with red lead oxide after fabrication	SM	5	
<u>Window cill</u>				
<u>Precast concrete class 20 (12mm aggregate), including formwork, finishing fair face on all exposed surfaces, hoisting and placing in position, bedding and jointing in cement and sand (1:3) mortar</u>				
H	150 x 50mm thick window cill once rebated; 20 x 20mm splaged drip and jointing in cement and sand 1:3 mortar	LM	47	
<u>In Prime Grade W/rot Cypress</u>				
J	175 x 25mm window board, plugged, screwed and pelleted	LM	47	
K	25 x 25mm quadrant beading; plugged	LM	47	
<u>Curtain Rods</u>				
L	Twin curtain rod comprising 30mm and 25mm diameter mild steel rods , joint together and secured to wall with approved mild steel brackets : primed and painted : 2no. mild steel decorative top stop knobs : curtain rings and wall mounted fastening hook and all other necessary accessories, all in accordance with Architect's details	LM	47	

**Total Carried to
Collection**

	<u>Finishing to reveals</u> <u>15 mm cement and sand (1:3) render, finished with woodfloat to:-</u>				
A	Concrete or masonry surfaces externally	SM	16		
	<u>12mm (minimum) two coat lime plaster as described to</u>				
B	Concrete or masonry surfaces internally	SM	16		
	<u>Painting & derocation</u>				
	<u>Prepare and apply one undercoat and two finishing coats first quality</u> <u>weatherguard emulsion paint on:-</u>				
C	Concrete or masonry surfaces externally	SM	16		
	<u>Skim, Prepare and apply three coats first quality silk vinyl emulsion paint on:-</u>				
D	Plastered walls internally	SM	16		
	<u>Prepare, touch up one coat grey oxide primer and apply three coats of first</u> <u>quality gloss oil paint from approved sources to:-</u>				
E	General surfaces of windows	SM	132		
	<u>Knot, prime, stop and apply three coats polyurethane clear varnish to:</u>				
F	Window board/Beading over 200mm but not exceeding 300mm girth	LM	47		
	Total Carried to Collection				
	COLLECTION				
	Carried from page FF/3				
	Carried from Above				
	ELEMENT NO. 6				
	WINDOWS Carried to the Main summary				

SECTION NO. 2. - FIRST FLOOR					
<u>ELEMENT NO. 7 - DOORS</u>					
<i><u>Supply and fix hardwood Frames with and including supply of low expansion polyurethane foam ; in Wrot mahogany or equivalent hardwood and approved (stained to match the colour of veneer):</u></i>					
A	Ex 50 x 200mm Frame with one labour and 10mm groove to detail; plugged	LM	43		
B	Ditto Transome	LM	12		
C	Ex 50 x 25mm Architrave with 10mm groove to detail; plugged	LM	85		
D	Ex 25 x 25mm quadrant	LM	85		
<i><u>Supply and fix softwood Frames with and including supply of low expansion polyurethane foam; in Prime Grade Wrot Cypress or equivalent softwood and approved (stained to match the colour of veneer):</u></i>					
E	Ex 50 x 200mm Frame with one labour and 10mm groove to detail; plugged	LM	132		
F	Ditto Transome	LM	22		
G	Ex 50 x 25mm Architrave with 10mm groove to detail; plugged	LM	265		
H	Ex 25 x 25mm quadrant	LM	265		
<u>Solid timber doors</u>					
<i><u>50mm thick solid core Mahogany panelled doors to B.S 459: part 2 faced both sides with 6mm mahogany plywood and lipped on all edges in hardwood; including grooves per detail</u></i>					
J	Double Door Overall Size 3100 x 2600mm high comprising of 2No. Equal openable door leaves size 1000 x 2400mm high with 100 x 50mm top and middle rails, 100 x 50mm stiles, curved mullions and mouldings - All to the Architects Detail	NO	1		
K	Ditto size 2400 x 2600 mm high in 2 No. equal openable door leaves size 750 x 2400mm high	NO	2		
L	Ditto size 1200 x 2600 mm high in 2 No. equal openable door leaves size 600 x 2400mm high	NO	3		
<u>Solid flush doors</u>					
<i><u>50mm thick solid core flush door to B.S 459: part 2 faced both sides faced both sides with 3mm veneer and lipped on all edges in hardwood, all as per Architects details</u></i>					
N	Double Door size 1,500mm x 2400mm high	NO	2		
P	Single Leaf Door size 1,000mm x 2400mm high	NO	1		
Q	Single Leaf Door size 900mm x 2400mm high	NO	15		
Total Carried to Collection					

	<u>Semi Solid flush doors</u> <i>45mm thick semi solid core flush door to B.S 459: part 2 faced both sides faced both sides with 3mm veneer and lipped on all edges in hardwood, all as per Architects details</i>				
A	Single Leaf Door size 900mm x 2400mm high	NO	5		
	<i><u>Fanlight glazing</u></i>				
B	4mm thick clear glass fixed with timber beads (m.s)	SM	9		
C	Ditto but obscured to washroom doors	SM	1		
	<i><u>Painting and decorating</u></i> <i><u>Aluminium primer or other equal and approved wood primer before fixing: -</u></i>				
D	Frames; over 100mm but not exceeding 200mm girth	LM	350		
E	Surfaces over 300mm girth	SM	60		
	<i><u>Prepare and apply approved stain, sanding sealer and three coats of 'Crown Paints Solo' or other equal and approved varnish to :</u></i>				
F	General timber surfaces	SM	165		
G	Frames; over 100mm but not exceeding 200mm girth	LM	350		
H	Surfaces over 300mm girth	SM	60		
	Total Called to Collection				

	<u>Ironmongery</u>				
	<u>Supply and fix the following ironmongery as approved with matching screws:-</u>				
	<u>To softwood, hardwood or the like fixing with screw:</u>				
A	Brass ball bearing hinges; 100 mm	PRS.	48.0		
B	Double action stainless steel hinges	PRS.	7.5		
C	Four lever mortice lock complete with furniture	NO	6		
D	Three lever mortice lock complete with furniture	NO	18		
E	Two lever mortice lock complete with furniture	NO	5		
F	Aluminium door Kicker plates; 900mm x 300mm	NO	10		
G	Coat & hat hook - Rubber tipped	NO	5		
H	Delayed Heavy Duty action closer as approved	NO	24		
	<u>To concrete or blockwork; fixing with bolts; plugging</u>				
J	Rubber door stop	NO	83		
	Total Carried to Collection				
	COLLECTION				
	Carried from page FF/3				
	Carried from page FF/3				
	Carried from Above				
	ELEMENT NO. 7				
	DOORS Carried to the Main summary				

SECTION NO. 2. - FIRST FLOOR					
ELEMENT NO. 8 - JOINERY & FITTINGS - RATE ONLY					
TENDERER TO PROVIDE RATES FOR THE FOLLOWING ITEMS					
<u>Nurse Station</u>					
A	Reception counter overall size 5500 x 900 x 1200mm high L shaped to details comprising of 20mm thick granite slab worktop fixed onto 20mm thick blockboard, 20mm thick laminated MDF doors, dividing panels, frontal faces with decorations to details.	NO	0		
<u>The following in 100mm thick benching concrete class 15 with 12mm cement sand plaster to top and edges; including all necessary formwork and BRC A142 mesh reinforcement weighing 2.22 kg per square metre</u>					
B	100mm thick benching	SM	0		
<u>Worktops</u>					
<u>600mm wide tops; 75mm thick reinforced concrete (class 25/20 mm aggregate) suspended worktop and fascia; Single layer fabric mesh reinforcement to BS 4483 ref. A142 weighing ; 2.22 kg per square metre fixed in suspended worktop; Sawn formwork to horizontal soffits and sides of worktop and vertical edges of suspended slab; build end of 75 mm thick suspended concrete slab in masonry walling, 100 mm thick; finished with 20mm thick terrazzo finish to top, edges, 300mm high fascia and plaster and paint to soffits</u>					
C	9,000mm long	NO	0		
D	6,000mm long	NO	0		
E	4,500mm long	NO	0		
F	5,000mm long; allow for forming holes for sink (m.s)	NO	0		
G	3,100mm long; allow for forming holes for sink (m.s)	NO	0		
<u>The following in blockboard shelf, sides dividers, back etc stained moulded oak veneered blockboard drawers and doors, complete with malpha hinges viro make cylinder lock, handles and eggshell paint</u>					
H	Low level cupboard size 9,000 x 600 x 900mm high	NO	0		
J	Ditto 6,000mm long	NO	0		
K	Ditto 5,000mm long	NO	0		
L	Ditto 4,500mm long	NO	0		
M	High level cupboard size 9,000 x 300 x 600mm high	NO	0		
N	Ditto 6,000mm long	NO	0		
P	Ditto 5,000mm long	NO	0		
Q	Ditto 4,500mm long	NO	0		
R	Ditto 3,100mm long	NO	0		
ELEMENT NO. 8					
JOINERY FITTINGS					
Carried to the Main summary					

A	<p><u>SECTION NO. 2. - FIRST FLOOR</u></p> <p><u>ELEMENT NO. 9 - BUILDER'S WORK IN CONNECTION WITH SPECIALIST SERVICES</u></p> <p><i><u>Inspect all architectural, mechanical, electrical and structural drawings as provided; allow for all builders work associated with all the specialist works</u></i></p> <p>Cut away fittings and pipework; form all holes, chases, etc and make good after the plumber, electrician and all other specialist works</p> <p>ELEMENT NO. 9 BUILDER'S WORK IN CONNECTION Carried to the Main summary</p>	ITEM			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>SECTION NO. 2. - FIRST FLOOR MAIN SUMMARY</u>				
1	REINFORCED CONCRETE FRAME	KSHS			
2	STAIRCASE CONSTRUCTION & FINISHES	KSHS			
3	WALLING	KSHS			
4	EXTERNAL FINISHES	KSHS			
5	INTERNAL FINISHES	KSHS			
6	WINDOWS	KSHS			
7	DOORS	KSHS			
8	JOINERY FITTINGS	KSHS			
9	BUILDER'S WORK IN CONNECTION	KSHS			
	SECTION NO. 2 - FIRST FLOOR				
	<u>TOTAL AMOUNT CARRIED TO THE GRAND SUMMARY</u>				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
SECTION NO 3 - SECOND FLOOR					
ELEMENT NO 1- REINFORCED CONCRETE FRAME					
<i>Vibrated reinforced concrete class 20, mix (1:2:4) with minimum cube strength of 13.5N/mm² at 7days and 20N/mm² at 28days with 20mm maximum aggregate size:-</i>					
A	Columns	CM	11		
B	Beams	CM	1		
C	Ring Beam	CM	27		
D	150mm thick suspended slab	SM	9		
Reinforcement, as described:-[PROVISIONAL]					
<i>Reinforcement to BS 4449:1997, Grade 460B high strength type 2 Ribbed bars with proof stress of 460 N/mm². Including all necessary cutting, bending, fixing, wastage, overlaps and provision of spacer blocks and stools to S.E.'s detail</i>					
E	20 mm Diameter bars	KG	257		
F	16 mm Diameter bars	KG	617		
G	12 mm Diameter bars	KG	1182		
H	10mm Diameter bars	KG	2056		
J	8mm Diameter bars	KG	1028		
<i>Fair Face formwork as described to:-</i>					
K	Sides of columns	SM	176		
L	Sides and soffits of beams	SM	9		
M	Sides and soffits of ring beams	SM	325		
N	Soffits of suspended slabs	SM	9		
P	Edges of slab not exceeding 150mm girth	LM	6		
ELEMENT NO. 1					
REINFORCED CONCRETE FRAME		Carried to Main Summary			

<u>SECTION NO 3 - SECOND FLOOR</u>			
<u>ELEMENT NO. 2 - WALLING</u>			
<i><u>Precast concrete class 20(12mm aggregate) including forwork . finishing fair face on all exposed surfaces.and bedding and jointing in cement sand (1:3) mortar</u></i>			
A	250 x 50mm thick precast coping rebated on both sides; 20 x 20mm splayed drip and jointing in cement and sand 1:3 mortar	LM	12
B	225mm thick approved precast concrete vent block bedded and jointed in cement and sand (1:3) mortar	SM	23
C	200 x 200mm lintol, reinforced with and including four 12mm diameter mild steel rods and 6mm stirrups at 200mm centers	LM	12
<i><u>Permanent ventilation</u></i>			
D	Pair of permanent ventilation size 225 x 225 x 25mm thick fixed with and including mosquito wire gauze	NO	30
<i><u>External walling</u></i>			
<i><u>Natural hard machine cut stone from an approved quarry with a crushing strength of 7.0 N/mm²; walling bedded and jointed in cement and sand (1:3) mortar, with and including reinforcement with and including 25mm wide x 20 gauge hoop iron at every alternate course as described in:</u></i>			
E	200mm thick walling externally	SM	260
F	200mm thick gable wall	SM	20
G	Extra Over for key pointing - horizontal	SM	280
<i><u>Internal walling</u></i>			
<i><u>Natural hard machine cut stone from an approved quarry with a crushing strength of 7.0 N/mm²; walling bedded and jointed in cement and sand (1:3) mortar, with and including reinforcement with and including 25mm wide x 20 gauge hoop iron at every alternate course as described in:</u></i>			
H	200mm thick walling internally	SM	370
J	150mm thick walling internally	SM	60
K	100mm thick walling internally	SM	20
ELEMENT NO. 3 WALLING		Carried to the Main summary	

SECTION NO 3 - SECOND FLOOR

ELEMENT NO. 3 - ROOF CONSTRUCTION & FINISHES

All the timber to be seasoned and treated with anti - termite treatment

The following roof trusses in Celcured 2nd grade sawn cypress:

hoisting and fixing up to a height not exceeding 9.0 metres above

ground level; all jointing to be carried out with the aid of a full size

bolting template : including splice plates and all necessary fixing accesories to Structural

Engineer's satisfaction.

A	150 x 50mm Rafters	LM	398
B	150 x 50mm Tie beam	LM	334
C	100 x 50mm King Post	LM	145
D	100 x 50mm Ties and struts	LM	733
<u>Common Membersn in Celcured 2nd grade sawn cypress:-</u>			
E	150 x 50mm Common rafters.	LM	48
F	150 x 50mm Hip rafters.	LM	18
G	150 x 50mm Valley rafters.	LM	32
H	75 x 50mm Purlins.	LM	560
J	200 x 50mm ridge board	LM	52
K	100 x 50mm Wall plate; with and including rawl down bolts at 1200mm centres to SE details	LM	270
<u>Ramp canopy</u>			
<u>Framed; bolted and welded site connections - Truss No. 18</u>			
L	50 mm diameter x 4mm thick (3.55 kg/m) CHS;rafters and tie beams	LM	60
M	25 mm diameter x 3mm thick (1.63 kg/m) CHS;struts and ties	LM	20
N	100mm diameter x 4mm thick (9.47 kg/m) CHS; stanchions	LM	40
P	100x50x20x1.5mm Z-purlins sections; welded to tops of rafters	LM	110

Total Carried to Collection

	<u>Roof covering</u>				
	<u>IT5 Roofing sheets of Approved Color: 28 gauge; prepainted:-</u>				
A	Roof covering at a pitch of 25 degrees from the horizontal; 150mm laps on one end and one and a half corrugation side lap; fixed to angle section purlins with and including self-tapping screws and neoprene washers; include all the necessary fixing accessories	SM	601		
B	Matching ridge piece; 400mm girth (average)	LM	52		
C	Valley piece; twice bent to profile of valley; 570mm girth (average)	LM	32		
D	Labour raking cutting roofing tiles along valleys and hips	LM	32		
E	Fair filled ridge and hip ends in coloured mortar to match	NO	50		
	<u>Wrot Softwood; treated 2nd grade cypress or equal and approved</u>				
F	Moulded fascia board cover : 290mm girth : to approval	LM	98		
G	Barge board; ditto	LM	58		
H	Prepare and apply 3 coats 1st grade oil paint to surfaces not exceeding 300mm girth.	LM	156		
	<u>T & G boarding in prime grade wrot cypress</u>				
J	25mm thick tongued and grooved boarding in 100mm wide strips secret nailed to and including 50 x 50mm softwood brandering at 600mm centres both directions; complete with three coats of approved stain including sanding & plishing and all the necessary perparations	SM	94		
	<u>WaterProofing</u>				
	<u>Mineral APP/ EPDM membrane with surface finish weighing 4kg/ sm;</u>				
	<u>laid on primer with torch-on process from an approved manufacturer;</u>				
	<u>finish to horizontal roof slab and walls executed by a specialist under 10</u>				
	<u>years guarantee from mau west or equal and approved</u>				
K	4 mm Thick mineral shield APP membrane applied to roof slabs	SM	9		
L	Ditto to skirting 300mm high	LM	12		
M	Dress membrane round 100mm rainwater outlet	NO	1		
	<u>Lightweight water proofed screeds</u>				
N	50mm average screed laid to falls and crossfalls to roof slabs	SM	9		
P	20mm ditto to walls	SM	4		
	<u>Cement and sand (1:3) screeds, backings, beds etc</u>				
Q	30mm thick screed to receive tiles (m.s)	SM	13		
	<u>Concrete tiles</u>				
R	Supply & Fix 200x200x20mm concrete tiles to floor on prepared screed (m.s) with proprietary adhesive; jointed and pointed in matching coloured proprietary grouting; including pvc spacers and expansion joint as necessary: all to Architect's approval.	SM	9		
S	20 x 100mm ditto skirting	LM	12		
	Total Carried to Collection				

<u>Rainwater goods:</u>					
<u>24 Gauge galvanised mild steel gutters, down pipes and fittings; shaped as required</u>					
A	250 x 150mm box gutter including soldered in running length fixed to fascia board with and including brackets at rafter centers	LM	84		
B	Extra for outlet in box gutter, diameter 100mm	NO	8		
C	Extra for bend	NO	8		
D	100mm heavy duty uPVC rainwater downpipe fixed with and including mild steel straps at 900mm centres, plugged and screwed to wall	LM	72		
E	Extra for swanneck offset in pipe diameter	NO	8		
F	Extra for shoe in pipe diameter	NO	8		
Total Carried to Collection					
COLLECTION					
From Page SF/7					
From Page SF/8					
From Above					
ELEMENT NO. 3		Carried to the			
ROOF CONSTRUCTION & FINISHES		Main summary			

SECTION NO 3 - SECOND FLOOR					
ELEMENT NO. 5 - INTERNAL FINISHES					
<i><u>Floor finishes</u></i>					
<i><u>Cement and sand (1:3) screeds, backings, beds etc</u></i>					
A	30mm thick bed finished to receive granolithic finish (m.s)	SM	124		
B	30mm thick bed finished to receive tiles (m.s)	SM	257		
<i><u>Granolithic floor finish from approved sources:cement and marble chippings (1:2); washed; machine polished; to cement and sand screed backing (m/s)</u></i>					
C	20mm thick	SM	124		
D	Ditto to 100mm high skirtings	LM	189		
E	25mm thick plastic dividing strips set flush with paving	LM	372		
<i><u>Supply & Fix tiles (To Architect's Approval) in regular or other approved pattern; to floor on prepared screed (m.s); with proprietary adhesive; jointed and pointed in matching coloured proprietary grouting; aluminium threshold including pvc spacers and expansion joint as necessary; all to Architect's approval.</u></i>					
F	300 x 300 x 10mm thick Non - Slip Ceramic Tiles	SM	257		
G	Ditto to 100mm high skirtings	LM	213		
<i><u>Internal Wall finishes</u></i>					
<i><u>12mm (minimum) two coat lime plaster including skimming; Plaster; 9mm thick first coat of cement and sand (1:4); 3mm second coat of cement and lime putty (1:6); steel trowelled smooth; complete with wire gauze anti-crack mechanism at the intersection of masonry walling and concrete beams as described to:-</u></i>					
H	Concrete/masonry surfaces internally generally	SM	1462		
<i><u>Cement and sand (1:4) backings etc</u></i>					
J	15mm backing finished to receive ceramic wall tiles (m.s)	SM	174		
Total Carried to Collection					

SECTION NO 3 - SECOND FLOOR					
<u>ELEMENT NO. 6 - WINDOWS</u>					
<i><u>Steel casement windows [Refer to the Architect's drawing & detail]</u></i>					
<i><u>Supply and fix the following standard mild steel casement windows comprising of standard Z-section framing; complete with aluminium</u></i>					
<i><u>fasteners, stays and all other necessary iron mongery; including burglar</u></i>					
<i><u>proofing and 75x3mm thick perforated permanent vent and hood at the</u></i>					
<i><u>top infilled with mosquito gauze wire and all primed in one coat red oxide primer before</u></i>					
<i><u>delivery to the site</u></i>					
A	Window Overall size 1,800 x 1,800mm high	NO	18		
B	Window Overall size 1,500 x 1,800mm high	NO	1		
C	Window Overall size 1,200 x 1,800mm high	NO	1		
D	Window Overall size 1,200 x 900mm high	NO	2		
E	Window Overall size 900 x 900mm high	NO	10		
<i><u>Clear Sheet Glass</u></i>					
H	4mm Glass and glazing to metal with putty in panes, girth - 0.10 to 0.50 square meters	SM	65		
J	Ditto but Frosted glass	SM	8		
<i><u>Burglar proofing</u></i>					
K	Supply and fix decorate mild steel grilles in 50 x 50 x 3mm thick square hollow sections external framework and infilled with 25 x 25 x3mm SHS and 25 x 8mm thick flat bars all cut and welded together in approved decorative patterns including priming with red lead oxide after fabrication	SM	2		
<i><u>Window cill</u></i>					
<i><u>Precast concrete class 20 (12mm aggregate), including formwork,</u></i>					
<i><u>finishing fair face on all exposed surfaces, hoisting and placing in position, bedding and</u></i>					
<i><u>jointing in cement and sand (1:3) mortar</u></i>					
L	150 x 50mm thick window cill once rebated; 20 x 20mm splaged drip and jointing in cement and sand 1:3 mortar	LM	56		
<i><u>In Prime Grade Wrot Cypress</u></i>					
M	175 x 25mm window board, plugged, screwed and pelleted	LM	56		
N	25 x 25mm quadrant beading; plugged	LM	56		
Total Carried to Collection					

A	<u>Curtain Rods</u> Twin curtain rod comprising 30mm and 25mm diameter mild steel rods , joint together and secured to wall with approved mild steel brackets : primed and painted : 2no. mild steel decorative top stop knobs : curtain rings and wall mounted fastening hook and all other necessary accessories, all in accordance with Architect's details	LM	56		
B	<u>Finishing to reveals</u> <u>15 mm cement and sand (1:3) render,finished with woodfloat to:-</u> Concrete or masonry surfaces externally	SM	19		
C	<u>12mm (minimum) two coat lime plaster as described to</u> Concrete or masonry surfaces internally	SM	19		
D	<u>Painting & derocaton</u> <u>Prepare and apply one undercoat and two finishing coats first quality weatherguard emulsion paint on:-</u> Concrete or masonry surfaces externally	SM	19		
E	<u>12mm thick; horizontal</u> Plastered walls internally	SM	19		
F	<u>Prepare, touch up one coat grey oxide primer and apply three coats of first quality gloss oil paint from approved sources to:-</u> General surfaces of windows	SM	147		
G	<u>Knot, prime, stop and apply three coats polyurethane clear varnish to:</u> Window board/Beading over 200mm but not exceeding 300mm girth	LM	0		
Total Carried to Collection COLLECTION					
Carried from page SF/3					
Carried from Above					
ELEMENT NO. 6 WINDOWS				Carried to the Main summary	

SECTION NO 3 - SECOND FLOOR					
<u>ELEMENT NO. 7 - DOORS</u>					
<i><u>Supply and fix hardwood Frames with and including supply of low expansion polyurethane foam ; in Wrot mahogany or equivalent hardwood and approved (stained to match the colour of veneer):</u></i>					
A	Ex 50 x 200mm Frame with one labour and 10mm groove to detail; plugged	LM	16		
B	Ditto Transome	LM	6		
C	Ex 50 x 25mm Architrave with 10mm groove to detail; plugged	LM	32		
D	Ex 25 x 25mm quadrant	LM	32		
<i><u>Supply and fix softwood Frames with and including supply of low expansion polyurethane foam; in Prime Grade Wrot Cypress or equivalent softwood and approved (stained to match the colour of veneer):</u></i>					
E	Ex 50 x 200mm Frame with one labour and 10mm groove to detail; plugged	LM	164		
F	Ditto Transome	LM	29		
G	Ex 50 x 25mm Architrave with 10mm groove to detail; plugged	LM	327		
H	Ex 25 x 25mm quadrant	LM	327		
<u>Solid timber doors</u>					
<i><u>50mm thick solid core Mahogany panelled doors to B.S 459: part 2 faced both sides with 6mm mahogany plywood and lipped on all edges in hardwood; including grooves per detail</u></i>					
J	Double Door Overall Size 3100 x 2600mm high comprising of 2No. Equal openable door leaves size 1000 x 2400mm high with 100 x 50mm top and middle rails, 100 x 50mm stiles, curved mullions and mouldings - All to the Architects Detail	NO	1		
K	Ditto size 2400 x 2600 mm high in 2 No. equal openable door leaves size 750 x 2400mm high	NO	1		
<u>Solid flush doors</u>					
<i><u>50mm thick solid core flush door to B.S 459: part 2 faced both sides faced both sides with 3mm veneer and lipped on all edges in hardwood, all as per Architects details</u></i>					
L	Double Door size 1,500mm x 2400mm high	NO	6		
M	Single Leaf Door size 1,000mm x 2400mm high	NO	3		
N	Single Leaf Door size 900mm x 2400mm high	NO	7		
Total Carried to Collection					

	Semi Solid flush doors				
	<i>45mm thick semi solid core flush door to B.S 459: part 2 faced both sides faced both sides with 3mm veneer and lipped on all edges in hardwood, all as per Architects details</i>				
A	Single Leaf Door size 900mm x 2400mm high	NO	5		
B	Single Leaf Door size 800mm x 2100mm high	NO	8		
	<i>Fanlight glazing</i>				
C	4mm thick clear glass fixed with timber beads (m.s)	SM	9		
D	Ditto but obscured to washroom doors	SM	1		
	<i>Painting and decorating</i>				
	<i>Aluminium primer or other equal and approved wood primer before fixing: -</i>				
E	Frames; over 100mm but not exceeding 200mm girth	LM	359		
F	Surfaces over 300mm girth	SM	61		
	<i>Prepare and apply approved stain, sanding sealer and three coats of 'Crown Paints Solo' or other equal and approved varnish to :</i>				
G	General timber surfaces	SM	165		
H	Frames; over 100mm but not exceeding 200mm girth	LM	359		
J	Surfaces over 300mm girth	SM	61		
	Total Carried to Collection				

SECTION NO 3 - SECOND FLOOR					
ELEMENT NO. 8 - JOINERY & FITTINGS - RATE ONLY					
<i>TENDERER TO PROVIDE RATES FOR THE FOLLOWING ITEMS</i>					
	<u><i>Nurse Station</i></u> Reception counter overall size 5500 x 900 x 1200mm high L shaped to details comprising of 20mm thick granite slab worktop fixed onto 20mm thick blockboard, 20mm thick laminated MDF doors, dividing panels, frontal faces with decorations to details.	NO	0		
A					
	<u><i>The following in 100mm thick benching concrete class 15 with 12mm cement sand plaster to top and edges; including all necessary formwork and BRC A142 mesh reinforcement weighing 2.22 kg per square metre</i></u> 100mm thick benching	SM	0		
B					
	<u><i>Worktops</i></u> <u><i>600mm wide tops; 75mm thick reinforced concrete (class 25/20 mm aggregate) suspended worktop and fascia; Single layer fabric mesh reinforcement to BS 4483 ref. A142 weighing : 2.22 kg per square metre fixed in suspended worktop; Sawn formwork to horizontal soffits and sides of worktop and vertical edges of suspended slab; build end of 75 mm thick suspended concrete slab in masonry walling, 100 mm thick; finished with 20mm thick terrazzo finish to top, edges, 300mm high fascia and plaster and paint to soffits</i></u>				
C	5,000mm long; allow for forming holes for sink (m.s)	NO	0		
D	3,100mm long; allow for forming holes for sink (m.s)	NO	0		
	<u><i>The following in blockboard shelf, sides dividers, back etc stained moulded oak veneered blockboard drawers and doors, complete with malpha hinges viro make cylinder lock, handles and eggshell paint</i></u>				
E	Low level cupboard size 5,000 x 600 x 900mm high	NO	0		
F	Ditto 4,000mm long	NO	0		
G	Ditto 3,100mm long	NO	0		
	ELEMENT NO. 8				
	JOINERY FITTINGS				
	Carried to the Main summary				

	<p><u>SECTION NO 3 - SECOND FLOOR</u></p> <p><u>ELEMENT NO. 9 - BUILDER'S WORK IN CONNECTION WITH SPECIALIST SERVICES</u></p> <p><i><u>Inspect all architectural, mechanical, electrical and structural drawings as provided; allow for all builders work associated with all the specialist works</u></i></p> <p>A Cut away fittings and pipework; form all holes, chases, etc and make good after the plumber, electrician and all other specialist works</p>	ITEM			
	<p>ELEMENT NO. 9</p> <p>BUILDER'S WORK IN CONNECTION</p>				<p>Carried to the Main summary</p>

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<u>SECTION NO 3 - SECOND FLOOR MAIN SUMMARY</u>					
1	REINFORCED CONCRETE & STRUCTURAL FRAME	KSHS			
2	WALLING	KSHS			
3	ROOF CONSTRUCTION & FINISHES	KSHS			
4	EXTERNAL FINISHES	KSHS			
5	INTERNAL FINISHES	KSHS			
6	WINDOWS	KSHS			
7	DOORS	KSHS			
8	JOINERY FITTINGS	KSHS			
9	BUILDER'S WORK IN CONNECTION	KSHS			
<u>SECTION NO. 3 - SECOND FLOOR</u>		<u>CARRIED TO THE</u>			
<u>TOTAL AMOUNT</u>		<u>GRAND SUMMARY</u>			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<u>SECTION NO. 3 - EXTERNAL WORKS</u>					
<u>ELEMENT NO. 1</u>					
<u>SITE WORKS (ALL PROVISIONAL)</u>					
Tenderer to allow for working in their rates					
<i><u>Site clearance</u></i>					
A	Allow for site clearance including the removal of bushes, debris and cutting down small and medium size trees girth not exceeding 600mm and grubbing up roots and carting away arisings before commencement of works	SM	800		
B	Excavate oversite average 200mm deep to remove vegetable soil and and wheel and Load,wheel and deposit arisings away from site	SM	800		
<u>Trees - Provisional</u>					
<i><u>Cut down existing trees, grub up all roots and cart away and fill in voids</u></i>					
<i><u>with approved selected material well rammed and consolidated.</u></i>					
<i><u>Tenderer to allow related costs for approvals from County Councils</u></i>					
C	Cut down trees : over 600 but not exceeding 900mm girth	NO	5		
D	Trees 900 - 1200mm girth.	NO	3		
E	Trees 1200 - 1500mm girth.	NO	1		
<u>EXTERNAL WORK CARRIED TO GRAND SUMMARY</u>					
SHS					

CIVIL WORKS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 03: FOUL WATER DRAINAGE</u>				
	<u>SEWERLINE</u>				
	<i>Excavation for foul water drain trenches , 1200mm wide.</i>				
1--01	150mm internal diameter uPVC pipe, depth n.e 1.0m	CM	24		
1--02	Ditto; but depth n.e 1.5m	CM	6		
1--03	Extra over for excavation in rock in all classes	CM	5		
1--04	Backfill and ram after laying of pipe.	CM	24		
1--05	Cart away excess excavated material.	CM	6		
	<u>Pipe Work</u>				
1--06	Provide, lay 100mm murrum bed under pipe and similar surround 150mm thick after the pipe is laid to detail (50) 5310 "F".	LM	20		
1--07	Provide, lay and joint 160mm UPVC pipe (class 41 Golden brown)	LM	20		
1--08	Provide, lay 100mm concrete class 20, mix 1:2:4 as bedding under pipe and similar surround after the pipe is laid to detail (50) 5310 "B".	CM	1		
	<u>MANHOLES</u>				
	<u>Excavations</u>				
	<u>Manhole Type A&B (2 No.)</u>				
1--09	Excavate in pit for rectangular manhole type A&B depth not exceeding 1.0m as per detail (50)5300 and (50)5301.	CM	4		
	CARRIED TO COLLECTION				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 3: FOUL WATER DRAINAGE</u>				
	<u>Manhole Type C (2No.)</u>				
1--10	Ditto but rectangular Manhole type C to detail (50)5302, depth exceeding 1m but not exceeding 1.5m.	CM	8		
1--11	Extra over excavations in rock of all classes	CM	1		
1--12	Return and ram after constructing manholes	CM	2		
1--13	Cart away the surplus excavated material.	CM	3		
	<u>MANHOLES CONSTRUCTION</u>				
	<u>Concrete class 15, mix 1:3:6</u>				
1--14	Provide all materials, mix and place 50mm thick as concrete blinding for manholes	SM	9		
	<u>Vibrated Concrete class 20, mix 1:2:4</u>				
1--15	Provide all materials, mix and place 150mm thick to base slab of manholes.	CM	1		
1--16	Ditto for 200mm thick	CM	1		
1--17	Ditto but 100mm thick to suspended cover slab of manholes and benching for 150mm UPVC pipes.	CM	1		
1--18	Ditto for 150mm thick.	CM	1		
	<u>Form Work</u>				
1--19	Provide and fix sawn timber form work to the soffit of the suspended cover slab.	SM	9		
1--20	Provide and fix sawn timber form work to edges of suspended cover slab and boxing for manhole covers not more than 150mm girth width.	LM	32		
	CARRIED TO COLLECTION				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 3: FOUL WATER DRAINAGE</u>				
	<u>Walling</u>				
1--20	Provide, lay and joint 150mm thick approved natural dressed stone or concrete block as walling to manholes type A and B to details (50)5300 and (50)5301.	SM	6		
1--21	Ditto but 200mm thick for manholes type C and D details (50)5302 and (50)5303.	SM	8		
	<u>Rendering</u>				
1--22	Provide 12mm thick water proof cement and sand mix 1:3, steel float finished to walls and suspended cover slab.	SM	12		
1--23	Provide 12mm thick water proof cement and sand mix 1:1, rendering trowelled smooth to surface of benching.	SM	16		
	<u>C.I Manhole Cover and Frame to B.S 497 & B.S 556.</u>				
1--24	Provide and fix 600 X 450mm medium duty double seal C.I manhole cover and frame and grease to detail (50)5313.	NO	4		
	<u>Step Iron.</u>				
1--25	Provide and fix deep galvanized malleable iron as step iron to B.S 1247 as per detail attached.	NO	12		
1--26	Allow for testing the whole of the foul drainage system in the presence of the Engineer/Project Manager and make good any defects, re-test as necessary and leave the whole system perfect to the satisfaction	ITEM	1		
	SUB-TOTAL CARRIED TO COLLECTION PAGE 10				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 3: FOUL WATER DRAINAGE COLLECTION PAGE</u>				
	Brought forward from page 1				
	Brought forward from page 2				
	Brought forward from page 3				
	TOTAL CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 3: FOUL WATER DRAINAGE</u>				
	<u>SEPTIC TANK</u>				
	<u>45,000 LITRES CAPACITY SEPTIC TANK</u>				
	<u>Excavation</u>				
1--28	Clear the site of any vegetation	SM	40		
1--29	Excavate pit for septic tank commencing from ground level not exceeding 1.5m deep	CM	20		
1--30	Ditto, not limited to 1.5m but n.e 3.0m deep	CM	20		
1--31	Ditto depth not limited to 3.0m but n.e 4.5m deep	CM	20		
1--32	Trim bottom of excavated surface	SM	17		
1--33	Extra over excavation in rocks in all classes	CM	5		
1--34	Cart away surplus excavated material from site	CM	60		
1--35	Return, fill and ram selected approved materials around external sides of septic tank.	CM	5		
1--36	Allow for planking and strutting sides of excavations	ITEM	1		
1--37	Allow for keeping excavations free from water	ITEM	1		
	<u>Concrete Class 15 (Mix 1:3:6)</u>				
1--38	Mix and place 50mm concrete blinding.	SM	15		
	<u>Vibrated reinforced concrete class 20/20 (Mix 1:2:4)</u>				
1--39	Mix and place 200mm thick in base slab	CM	15		
1--40	Ditto but in 200mm thick wall	CM	1		
1--41	Ditto but in 250mm thick wall	CM	37		
1--42	Ditto but in 150mm thick in scum baffle wall	CM	4		
	CARRIED TO COLLECTION				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 3: FOUL WATER DRAINAGE</u>				
1--42	Ditto but in 200mm thick vertical division	SM	5		
1--43	Ditto in 200mm suspended cover slab	SM	36		
	High yield reinforcement bars to BS 449:-				
1--44	8mm diameter bars	KG	1.991		
1--45	10mm ditto	KG	278		
1--46	12mm ditto	KG	1.678		
	<u>BRC Mesh reinforcement to BS 1483</u>				
1--47	BRC Mesh No. 65/66	SM	3		
	<u>Formwork</u>				
	Sawn formwork to:-				
1--48	Interior sides of vertical walls	SM	86		
1--49	External sides of vertical walls	SM	90		
1--50	Soffits of suspended slab	SM	35		
1--51	Sides of suspended slab, 150mm-225mm wide	SM	3		
1--52	Sides and soffits of scum baffles	SM	2		
1--53	Ditto to sides of entry and exit manholes	SM	3		
1--54	Edges of suspended slab 75-150mm high	LM	18		
1--55	Boxing out in formwork to form opening in cover slab for size 600x450mm manhole cover and frame, 150- 225mm wide	LM	4		
	CARRIED TO COLLECTION				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 3: FOUL WATER DRAINAGE</u>				
	<u>Water Proof Cement Rendering</u>				
1--55	12mm thick sulphate resting cement sand (mix 1:3) to base slab.	SM	40		
1--56	Ditto to sides of vertical walls	SM	96		
1--57	Supply and fix medium duty double seal, cast iron manhole cover size 600x450mm complete with frame including greasing before fixing.	NO	4		
1--58	Provide plain concrete (1:2:4), 150mm av. benching to manhole internal size 800x600mm including forming channels and finished smooth	SM	4		
1--59	Provide and apply bituminous water proofing membrane on external walls as per the manufacturer's specifications	SM	40		
1--60	Provide and install 20mm diameter mild steel step irons coated with bitumen	NO	15		
	CARRIED TO COLLECTION				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 3: FOUL WATER DRAINAGE</u>				
	45,000 LITRES SEPTIC TANK				
	<u>COLLECTION</u>				
	Brought forward from page 5				
	Brought forward from page 6				
	Brought forward from page 7				
	CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 3: FOUL WATER DRAINAGE</u>				
	<u>SEWAGE SOAKAGE/DISPOSAL</u>				
	<u>FRENCH DRAINS</u>				
	<i>Excavate trench for perforated Upvc pipes (100mm in diameter)</i>				
1--60	Depth to invert not exceeding 2.0m.	CM	32		
1--61	Allow for excavation in rock in all classes	CM	1		
1--62	Provide and lay 100mm diameter perforated uPVC pipes in French drains, and include for all other materials	LM	75		
1--63	Provide and place approved ballast filling, 20mm Ø, as surround	CM	17		
1--64	Provide and place approved 200mm murrum topping over ballast	CM	10		
1--65	Backfill after laying and joining pipes and placing of surround.	CM	16		
1--66	Load and cart away all surplus excavated materials from site.	CM	20		
1--67	Prepare soakage area,provide manure application and plant kikuyu grass	SM	150		
	<u>Distribution Manholes</u>				
1--70	Excavate pit for rectangular distribution manhole depth n.e 1.5m	CM	5		
1--71	Ditto to 1.5-2.0m	CM	6		
	<u>Concrete Class 15 (mix 1:3:6)</u>				
1--72	Mix and place 50mm thick blinding to manholes	CM	1		
	<u>Vibrated concrete class 20/20 (mix 1:2:4)</u>				
1--73	Mix and place 150mm thick concrete class 20 as base slab	SM	2		
	CARRIED TO COLLECTION				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 3: FOUL WATER DRAINAGE</u>				
1--74	Ditto, in 150mm thick reinforced concrete cover slab	SM	2		
	<u>Walling</u>				
1--75	Provide, lay and joint in cement/sand mortar (mix 1:3), 150mm thick masonry wall in all manholes	SM	8		
1--76	Prepare and apply 12mm thick sulphate resistant cement rendering to vertical walls and base slab	SM	8		
	<u>Fabric Mesh reinf. to B.S 1483</u>				
1--77	BRC Mesh No. 12	SM	5		
1--78	Provide cover slabs reinforced with BRC mesh No. 12 with 8mm handle bar	No.	3		
	<u>SOAK PITS(1.2m Diameter x 6m deep)- 3NO.</u>				
1--79	Excavate pit for circular soakpit, from existing ground level, depth n.e 1.5m	CM	8		
1--80	Ditto 1.5-3.0m	CM	8		
1--81	Ditto 3.0-4.5m	CM	8		
1--82	Ditto 4.0-6.5m	CM	12		
1--83	Extra over for rock excavation in all classes	CM	8		
1--84	Return, fill and ram selected approved material around external sides of the soak pits	CM	8		
1--85	Cart away surplus excavated material from site	CM	32		
1--86	Allow for keeping excavations free from water	ITEM	1		
1--87	Allow for planking and strutting sides excavations	ITEM	1		
1--88	Provide and fill the soak pits with boulders diameter not exceeding 200mm	CM	30		
	<u>Class 15/20 concrete blinding, mix 1:3:6</u>				
1--89	Mix and place 50mm thick concrete blinding under strip footing for soak pits, in 1:3:6 mix	CM	2		
	CARRIED TO COLLECTION				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 3: FOUL WATER DRAINAGE</u>				
	<u>Vibrated concrete class 20/20 (mix 1:2:4)</u>				
1--90	Mix and place 150mm thick concrete class 20/20 as cover slabs.	SM	9		
	<u>Walling</u>				
1--91	Provide materials for and construct 200mm masonry walling for soak pits.	SM	18		
1--92	Provide, mix and place water proofing sulphate resistant cement 12mm thick rendering to walls	SM	12		
	<u>High yield reinforcement bars:-</u>				
1--93	10mm diameter bars	KG	223		
1--94	12mm ditto	KG	198		
	<u>Sawn Formwork to:-</u>				
1--95	Sides and soffits of 150mm thick cover slabs	SM	32		
1--96	Provide and fix 600x450x50mm heavy duty GRP composite manhole cover and frames. Include for setting cover in grease	NO	3		
1--97	12mm thick cement/sand (1:3) plaster on soak pit externally	SM	40		
1--98	Allow for testing the drainage system to the satisfaction of the Project Manager	ITEM	1		
	CARRIED TO COLLECTION				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 3: FOUL WATER DRAINAGE</u>				
	<u>SEWAGE SOKAGE/DISPOSAL</u>				
	<u>COLLECTION</u>				
	Brought forward from page 18				
	Brought forward from page 19				
	Brought forward from page 20				
	CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>SUMMARY PAGE</u>				
3.00	FOUL WATER DRAINAGE				
4.00	45,000 LITRES SEPTIC TANK				
5.00	SEWAGE SOAKAGE/DISPOSAL				
	CIVIL WORKS TOTAL CARRIED TO GRAND SUMMARY				

**PROPOSED LEVEL 3 HOSPITAL - MUMBUNI
ELECTRICAL INSTALLATION SERVICES**

ITEM	DESCRIPTION	QTY	UNIT	RATE (Kshs)	AMOUNT (Kshs)
1	<p>Samples and materials generally clause - The contractor shall, when required, provide for approval at no extra cost, samples of all materials to be incorporated in the works. Such samples, when approved, shall be retained by the Engineer and shall form the standard for all such materials incorporated.</p>	1	Item		
2	<p>Bills of quantities clause - All the Quantities are based on the Contract Drawings and are provisional and they shall not be held to gauge or to limit the amount or description of the work to be executed by the contractor but the value thereof shall be deducted from the contract Sum and the value of the work ordered by the Engineer and executed there under shall be measured and valued by the Engineer in accordance with the contract. All work liable to adjustment under this contract shall be left uncovered for a reasonable time to allow measurements needed for such adjustment to be taken by the Quantity Surveyor or Engineer. Immediately the work is ready for measuring the Sub- contractor shall give notice to the Quantity Surveyor or Engineer to carry out measurements before covering up. If the contractor shall make default in these respects he shall, if the Architect so directs, uncover the work to enable the necessary measurements to be taken and afterwards reinstate at his own expense.</p>	1	Item		
3	<p>Setting to work and regulating system clause- No testing or commissioning shall be undertaken except in the presence of and to the satisfaction of the Engineer unless otherwise stated by him (contractor's own preliminary and proving tests excepted). It will be deemed that the contractor has included in the contract Sum for the costs of all fuel, power, water and the like, for testing and commissioning as required.</p>	1	Item		
4	<p>Identification of plant components clause - contractor shall supply and fix identification labels to all plant, starters, switches and items of control equipment etc with white traffolyte or equal labels engraved in red lettering denoting its name, function and section controlled.</p>	1	Item		
	Total Carried to next page				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (Kshs)
5	<p>Sub-Total B/F from Previous Page</p> <p>Working drawings clause - contractor shall prepare such Working Drawings as may be necessary. The Working Drawings shall be complete in such detail not only that the contract Works can be executed on site but also that the Engineer can approve the contractor's proposals, detailed designs and intentions in the execution of the contract Works.</p>	1	Item		
6	Records Drawings (As Installed) and instructions clause - Record Drawings, will be subject to the approval of the Engineer, include approved Working Drawings adjusted as necessary and certified by the contractor as a correct record of the installation of the contract Works.	1	Item		
7	Maintenance Manual clause - Upon Practical Completion of the contract Works, the contractor shall furnish the Engineer four copies of a Maintenance Manual relating to the installation forming part of all of the contract Works.	1	Item		
8	Hand over clause - The Electrical Works shall be considered complete and the Maintenance and Defects Liability Period shall commence only when the Works and supporting services have been tested, commissioned and operated to the satisfaction of the Engineer and officially approved and accepted by the Employer, provided always that the handing over of the Electrical Works shall be coincident with the handing over of the Main Contract Works.	1	Item		
9	Testing and inspection - manufactured plant clause - The Engineer reserves the right to inspect and test or witness of all manufactured plant equipment and materials. The right of the Engineer relating to the inspection, examination and testing of plant during manufacture. Contractor shall give two weeks' notice to the Engineer of his intention to carry out any inspection or tests and the Engineer or his representative shall be entitled to witness such tests and inspections	1	Item		
	Sub Total carried to next page				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (Kshs)
10	<p>Sub-Total B/F from Previous Page</p> <p>Initial Maintenance Clause - The contractor shall make routine maintenance once a month during the liability for the Defects Period and shall carry out all necessary adjustments and repairs, cleaning and oiling of moving parts. A monthly report of the inspection and any works done upon the installation shall be supplied to the Engineer. Shall allow in the rate for the initial maintenance, inspection and break-down service</p>	1	Item	250,000	250,000
11	<p>Supervision by Project Electrical Engineer - The contractor shall in his tender allow for the provision of management meetings and site inspections, as instructed by the Engineer, and also profit and attendance on these funds. The funds shall be expended according to Project Manager's instructions to the contractor.</p>	1	Item	1,000,000	1,000,000
12	<p>Profit and Attendance for the above item</p>		%		
	Total for Bill No. 1: Sub-Contract Preliminaries C/F to Summary Page				

BILL NO.2: SCHEDULE NO. 1 - GROUND FLOOR

Item	Description	Qty	Unit	Rate (Ksh)	Amount (Ksh)
1.01	Supply, install, test and commission the following ;- LIGHTING POINTS Lighting points wired in 1.5 mm ² SC CU cables drawn in concealed 20mm diameter HG P.V.C conduits for:-				
	a) one way switching	64	No.		
	b) two way switching	28	No.		
	c) Unswitched	3	No.		
1.02	SWITCHES 10Amps, switch plate as CLIPSAL or approved equivalent as				
	a) one way switching	23	No.		
	b) two way switching	11	No.		
	c) Intermediate switch	1	No.		
1.03	LIGHTING FITTINGS Lighting fittings complete with bulbs or tubes as follows:-				
	a) Surface LED 1200mm Batten light; 20W, 2000 Lumens, 4500K, c/w with prismatic diffuser as PHILIPS or approved equivalent (TYPE B)	38	No.		
	b) Surface LED twin 1200mm Batten light; 20W, 2000 Lumens, 4500K, c/w with prismatic diffuser as PHILIPS or approved equivalent(TYPE B2)	3	No.		
	c) IP65 waterproof LED 1200mm batten light; 20W, 2000 Lumens, 4500K, c/w with prismatic diffuser as PHILIPS or approved equivalent (TYPE WP)	4	No.		
	d) Round surface waterproof fitting ; 12W, 1200 Lumens, 4500K, IP65 as PHILLIPS LED or approved equivalent for Washrooms. (Type DS)	8	No.		
	e) Circular DownLight 840PSU P16 CORELINE as PHILIPS or approved equivalent for passageways (Type N)	21	No.		
	f) Circular decorative DownLightfor reception area as PHILIPS or approved equivalent (Type d)	3	No.		
	g) 1x8Watts, Double sided EXIT emergency lighting luminaire as THORN or approved equivalent.(TYPE EXIT)	3	No.		
	SUB TOTAL C/F TO THE NEXT PAGE				

SCHEDULE NO. 1 CONT'D - GROUND FLOOR

Item	Description	Qty	Unit	Rate (Ksh)	Amount (Ksh)
	Supply, install, test and commission the following ;-				
	Sub Total B/F From PREVIOUS PAGE				
	h) 9 Watts, cast aluminium bulkhead fitting for 9 Watts LED lamp with glass bowl as PHILIPS or approved equivalent. (TYPE BH)	15	No.		
	SOCKET OUTLETS AND OTHER POWER POINTS				
1.04	13 Amps. Socket outlet points wired ring comprising of 3x2.5 mm sq. single core PPCI copper cables drawn in concealed 25mm HG PVC conduits including all accessories.	55	No.		
1.05	13 Amps. Twin Moulded plate switched socket outlet with neon indicator as BG or approved equivalent	53	No.		
1.06	13 Amps. Waterproof Twin socket outlet with neon indicator as BG or approved equivalent	2	No.		
1.07	5 X 16mm ² Single Core PPCI Copper cables drawn in concealed PVC conduits from DB to Socket outlet for washer	20	LM		
1.08	5 X 16 mm ² Single Core PPCI Copper cables drawn in concealed PVC conduits from DB to industrial Socket outlet for dryer	20	LM		
1.09	5 X 16 mm ² Single Core PPCI Copper cables drawn in concealed PVC conduits from DB to industrial Socket outlet for chest ironer	20	LM		
1.10	63 Amps, 415 Volts Industrial 5 pin 415v industrial socket complete with Plugs as Schneider or Approved Equivalent	3	No.		
1.11	63 TPN isolator as crabtree or approved equivalent for the above Item	3	No.		
SUB TOTAL C/F TO THE NEXT PAGE					

SCHEDULE NO. 1 CONT'D - GROUND FLOOR

Item	Description	Qty	Unit	Rate (Ksh)	Amount (Ksh)
	Supply, install, test and commission the following :-				
	Sub Total B/F From PREVIOUS PAGE				
	TELEPHONE/DATA AND TV WORKS				
1.12	Telephone/Data outlet point comprising of concealed 20 mm dia. HG PVC conduits plus 1.5 mm ² single core draw wire.	20	No.		
1.13	TV outlet point comprising of concealed 20 mm dia. HG PVC conduits plus 1.5 mm ² single core draw wire.	6	No.		
1.14	Flat TV/coax single Ivory socket plate as MK or approved equivalent.	6	No.		
1.15	CCTV point comprising of concealed 20 mm dia. HG PVC conduits plus 1.5 mm ² single core draw wire.	2	No.		
1.16	TRUNKING 200x50mm, two compartment heavy gauge cream powder coated steel metallic trunking complete with bends, fixing accessories for coupling and earthing for Power cable.	60	LM		
1.17	<i>Allow for colour change to Architect's detail.</i>				
	i Twin Outlet Plate	1	No.		
	ii Dual Data/Telephone Outlet	4	No.		
	iii Carry out Bonding throughout the entire Length of Trunking and connect to Earthing	3	No.		
1.18	DISTRIBUTION BOARDS 8 ways TP&N, flush mounted distribution boards (A) complete with 100A integral isolator as HAGER or approved equivalent complete with all accessories but excluding MCBs.				
	MCB's for item above				
	(a) 10A, SP	2	No.		
	(b) 20A, SP	2	No.		
	(c) 32A, SP	9	No.		
	(d) 63A, TPN	30	LM		
	(e) Blanking plates				
1.19	4x50mm ² Single Core PVC Copper cables + 1x25mm ² ECC single Core PVC Copper cable drawn in PVC conduits from meter board to DB in ground floor				
SUB TOTAL C/F TO THE NEXT PAGE					

SCHEDULE NO. 1 CONT'D - GROUND FLOOR

Item	Description	Qty	Unit	Rate (Ksh)	Amount (Ksh)
	Supply, install, test and commission the following :-				
	Sub Total B/F From PREVIOUS PAGE				
	MAINS POWER DISTRIBUTION				
1.20	50 mm ² 4-core PVC/SWA/PVC insulation CU cables laid in cable trench from LV board to CLB at ground floor , complete with No. cable gland, No. lugs, cable markers and any other necessary accessories	50	LM		
1.21	Trenching to 600mm depth, tiling, laying and backfilling complete with "HATARI" tiles for item above	40	LM		
1.22	16 SWG Standard Cable Loop-in Box	1	No.		
1.23	The following for item above complete with all fixing materials and any other necessary accessories:-				
	a) 100 Amps SPN MCBs as ABB or approved equivalent to be installed in CLB	1	No.		
1.24	EARTHING. Earthing of the building, comprising of the following:-				
	a) 15 mm x 1800 mm earth rod as FURSE cat. No. RB 105.	1	No.		
	b) 15 mm dia. Driving stud as FURSE cat.No. ST100.	1	No.		
	c) Concrete inspection pit as FURSE cat. No.PT005. (or a well made 320mm x 320mmx 210 mm depth pit.)	1	No.		
	d) 25x3mm copper tape	10	No.		
SUB TOTAL C/F TO THE NEXT PAGE					

SCHEDULE NO. 1 CONT'D - GROUND FLOOR

Item	Description	Qty	Unit	Rate (Ksh)	Amount (Ksh)
	Supply, install, test and commission the following ;-				
	Sub Total B/F From PREVIOUS PAGE				
	LV BOARD				
1.25	Metal clad, floor mounting Free standing, compartmentalized Main LV Board with the following 1No.250 A TPN Bus Bars fully wired for 1No. 200A adjustable incomer TPN MCCB with a short circuit breaking capacity of 36kA, 3 Phase Digital Energy Multimeter complete with CT's and fuse protection for indication of, voltage, current, power factor.Hz.Cable chamber Phase presence indicators(Red, Yellow, Blue) lamps complete with fuse protection, selector switches, capacitor bank,ATS, Three-Phase surge protection device, CT's and metering chamber able to accommodate 1 No KPLC Three Phase Meter (TPN) and cut-out (TPN). The board shall be powder coated, degree of protection IP54, Form 4b, RAL 7035 and suitable for indoor installation, front access, compliant with standards IEC 60974-2 c,modular type fabricated from steel frames and sheet steel 14swg including testing, provision labeling the board complete with all fixing materials and accessories to Kenya Power approval as Eaton or approved equivalent and with the following as Eaton or approved equivalent and with the following:	1	No.		
1.26	Provide the following				
	i. 125 Amps TPN MCCB	1	No.		
	ii. 63 Amps TPN MCCB	1	No.		
	ii. 32 Amps TPN MCCB (For Hybrid Solar lighting)	1	No.		
	iii. 6No. Blanked Spareways	1	No.		
1.27	Allow for interwiring within the meterboard	1	No.		
	FIREMAN'S SWITCH				
1.28	Fireman's switch circuit comprising of 3x2.5 mm ² Heat resistant single core PVC copper cables drawn in concealed 20mm HG PVC conduits complete with all fixing materials necessary to the	1	No.		
1.29	Firemans switch as MENVIER or approved equivalent.	1	No.		
1.30	Water Booster pump power point comprising wiring in 3x6.0mm ² PVC-SC-CU cables in concealed PVC conduits	1	LM		
1.31	32A SPN isolator forabove item as CLIPSAL or approved quivalent.	1	No.		
SUB TOTAL C/F TO THE NEXT PAGE					

SCHEDULE NO. 1 CONT'D - GROUND FLOOR

Item	Description	Qty	Unit	Rate (Ksh)	Amount (Ksh)
	Supply, install, test and commission the following :-				
	Sub Total B/F From PREVIOUS PAGE				
1.32	LIGHTNING PROTECTION				
	25mmx3mm copper tape including copper saddles at 1000mm intervals and bonding to water tanks and other metal work in the roof , all as FURSE	40	LM		
1.33	Downward conductor comprising 25mm x 3 mm thick bare copper tape as FURSE	20	LM		
1.34	Copper air terminations (lightning arrestors) inclusive of base clamp and all fixing materials as FURSE	2	No.		
1.35	Test clamp as FURSE	2	No.		
	<i>Earthing of the building, comprising of the following:-</i>				
1.36	a) 15 mm x 1800 mm earth rod as FURSE cat. No. RB 105.	2	No.		
	b) 15 mm dia. Driving stud as FURSE cat.No. ST100.	2	No.		
1.37	c) Concrete inspection pit as FURSE cat. No.PT005. (or a well made 320mm x 320mmx 210 mm depth pit.)	2	No.		
	FIRE ALARM SYSTEM.				
1.38	2 Loop Flush mounted, addressable Fire alarm control panel complete with Battery and charger as MENVIER MF9304L or approved equivalent	1	No.		
	power point wired radial comprising of 3x2.5 mm sq. Heat resistant single core PVICI copper cables drawn in concealed 20mm HG PVC conduits for item above.	1	No.		
1.39	Fire alarm power points wired in Heat resistant SC PVC copper cables drawn in concealed HG PVC conduits	26	No.		
1.40	Addressable low profile LED Electronic sounder beacon with a flashing Light as MENVIER or approved equivalent	1	No.		
1.41	Smoke detectors as MENVIER or approved equivalent.	22	No.		
1.42	Fire break glass Manual call point unit as MENVIER or approved equivalent complete with a packet of 5 spare glasses, a packet of 5 spare test keys, a spare back box and a hinged cover.	3	No.		
SUB TOTAL C/F TO COLLECTION PAGE					

BILL 2.0 - SCHEDULE NO. 2 - FIRST FLOOR

Item	Description	Qty	Unit	Rate (Ksh)	Amount (Ksh)
2.01	Supply, install, test and commission the following ;- LIGHTING POINTS Lighting points wired in 1.5 mm ² SC CU cables drawn in concealed 20mm diameter HG P.V.C conduits for:				
	a) one way switching	65	No.		
	b) two way switching	13	No.		
	c) Unswitched	3	No.		
2.02	SWITCHES 10Amps, switch plate as CLIPSAL, or approved equivalent as				
	a) one gang one way	23	No.		
	b) one gang two way	9	No.		
	c) intermediate switch	1	No.		
2.03	LIGHTING FITTINGS Lighting fittings complete with bulbs or tubes as follows:-				
	a) Surface LED 1200mm Batten light; 20W, 2000 Lumens, 4500K, c/w with prismatic diffuser as PHILIPS or approved equivalent (TYPE B)	23	No.		
	b) IP65 waterproof LED 1200mm batten light; 20W, 2000 Lumens, 4500K, c/w with prismatic diffuser as PHILIPS or approved equivalent (TYPE WP)	16	No.		
	c) Round surface waterproof fitting ; 12W, 1200 Lumens, 4500K, IP65 as PHILLIPS LED or approved equivalent for Washrooms. (Type DS)	7	No.		
	d) Round Surface Fitting, 12W, 1200 Lumens, 4500K, Downlight as PHILLIPS CORELINE for passageways (Type N)	18	No.		
	e) Circular decorative DownLight for reception area as PHILIPS or approved equivalent (Type d)	9	No.		
	f) cleanroom luminaire module size 300x1200mm, 5500lumenscomplete with Emergency pack as PHILIPS LED CR150B for delivery room	4	No.		
	g) 1x8Watts, Double sided EXIT emergency lighting luminaire as THORN or approved equivalent(TYPE EXIT)	3	No.		
SUB TOTAL C/F TO THE NEXT PAGE					

SCHEDULE NO. 2 CONT'D - FIRST FLOOR

Item	Description	Qty	Unit	Rate (Ksh)	Amount (Ksh)
	Supply, install, test and commission the following :-				
	Sub Total B/F From PREVIOUS PAGE				
	SOCKET OUTLETS AND OTHER POWER POINTS				
2.04	13 Amps. Socket outlet points wired ring comprising of 3x2.5 mm sq. single core PVCII copper cables drawn in concealed 25mm HG PVC conduits including all accessories.	38	No.		
2.05	13 Amps. Twin Moulded plate switched socket outlet with neon indicator as BG or approved equivalent	32	No.		
2.06	13 Amps. Waterproof Twin socket outlet with neon indicator as BG or approved equivalent	6	No.		
2.07	instant shower Power point comprising wiring in 3x4 mm ² PVC-SC- CU cables in concealed PVC conduits (Average length per point = 20LM)	2	No.		
2.08	20 Amps double pole switches with neon indicator as CLIPSAL or approved equivalent for instant showers.	2	No.		
2.09	Power circuit comprising wiring in 3x4.0mm ² PVC-SC-CU cables in concealed PVC conduits for the macerator	20	LM.		
2.1	20 Amps double pole switches with neon indicator as CLIPSAL or approved equivalent for item above.	1	No.		
2.11	Electric Solid Top Cooking Range (4 burner) circuit comprising wiring in 3x4mm ² PVC SC cables concealed in 32mm conduits	20	LM.		
2.12	Cooker control unit complete with 13 Amps. Switched socket outlet as THORN or approved equivalent.	1	No		
2.13	Cooker connection unit	1	No.		
	TELEPHONE/DATA AND TV WORKS				
2.14	Telephone/Data outlet point comprising of concealed 20 mm dia. HG PVC conduits plus 1.5 mm ² single core draw wire	14	No.		
	SUB TOTAL C/F TO THE NEXT PAGE				

SCHEDULE NO. 2 CONT'D - FIRST FLOOR

Item	Description	Qty	Unit	Rate (Ksh)	Amount (Ksh)
	Supply, install, test and commission the following ;-				
	Sub Total B/F From PREVIOUS PAGE				
2.15	TV outlet point comprising of concealed 20 mm dia. HG PVC conduits plus 1.5 mm ² single core draw wire.	6	No.		
2.16	Flat TV/coax single Ivory socket plate as MK or approved equivalent.	6	No.		
2.17	CCTV outlet point comprising of concealed 20 mm dia. HG PVC conduits plus 1.5 mm ² single core draw wire.	3	No.		
2.18	BEDHEAD UNITS PREFABRICATED Powder coated metal clad, Bedhead unit comprising of 2 No. 600mm, 18 Watts LED light fittings	18	No		
2.19	(Reading and night light), 2 No. 13Amps 240V Twin socket outlet and Patient Nurse-call call cord/reset switch	18	No		
2.20	Lighting point wired in 3×1.5 mm ² single core PVC cables drawn in 20mm heavy gauge conduits concealed in walls and floors for; a) One way switching	36	No		
2.21	13A Ring Mains Raw power Socket Outlet Points wired in 3 x 2.5 mm ² SC PVC insulated CU cables drawn in 25 mm Ø HG PVC conduits/Trunking concealed in building fabric complete with all the necessary accessories excluding socket outlet plate.	1	No.		
2.22	DISTRIBUTION BOARD 8 ways TP&N, flush mounted distribution boards (A) complete with 125A integral isolator as HAGER or approved equivalent complete with all accessories but excluding MCBs.				
2.23	MCB's for item above				
	(a) 10A, SP	4	No.		
	(b) 20A, SP	5	No.		
	(c) 32A, SP	2	No.		
	(d) 45A, SP	1	No.		
	(e) Blanking plates	12	No.		
	5x16mm ² single Core PVC Copper cables drawn in PVC conduits from meter board to DB in ground floor	40	LM		
SUB TOTAL C/F TO THE NEXT PAGE					

SCHEDULE NO. 2 CONT'D - FIRST FLOOR

Item	Description	Qty	Unit	Rate (Ksh)	Amount (Ksh)
	Supply, install, test and commission the following ;-				
	Sub Total B/F From PREVIOUS PAGE				
2.24	150x50mm, heavy gauge cream powder coated steel metallic trunking complete with bends, fixing accessories for coupling and earthing for Power cable. Allow for colour change to Architect's detail.	60	LM		
	FIRE ALARM SYSTEM.				
2.25	Fire alarm power points wired in Heat resistant SC PVC copper cables drawn in concealed HG PVC conduits	25	No.		
2.26	Addressable low profile LED Electronic sounder beacon with a flashing Light as MENVIER or approved equivalent	1	No.		
2.27	Smoke detectors as MENVIER or approved equivalent	20	No.		
2.28	Heat detectors as MENVIER or approved equivalent.	1	No.		
2.29	Fire break glass Manual call point unit as MENVIER or approved equivalent complete with a packet of 5 spare glasses, a packet of 5 spare test keys, a spare back box and a hinged cover.	3	No.		
	SUB TOTAL C/F TO THE NEXT PAGE				

SCHEDULE NO. 2 CONT'D - FIRST FLOOR

Item	Description	Qty	Unit	Rate (Ksh)	Amount (Ksh)
	Supply, install, test and commission the following ;-				
	Sub Total B/F From PREVIOUS PAGE				
	NURSE CALL SYTEM				
2.30	Nurse call system points comprising of wiring in 6 core PVC insulated copper cable drawn in concealed 20mm dia. HG conduits.	32	No.		
2.31	Wall mounted over door lights for Nurse call system.	4	No.		
2.32	Nurse call system patient call/ nurse reset switch on bedhead unit complete with patient Nurse call cord on bedhead unit as Intercall or approved equivalent	18	No.		
2.33	Nurse call system ceiling pull cord call switch in washroom area as Intercall or approved equivalent	5	No.		
2.34	Nurse call system patient call/ nurse reset switch in washroom area as Intercall or approved equivalent	5	No.		
2.35	250 VAC 50 HZ, flush mounted Nurse call control panel with a minimum of 36 No. patient stations, alarm sounder, lamp test facility for the dome lights and LEDs, continuous supervision of	1	No.		
2.36	Allow for training of client staff on the all operations and maintenance of the Nurse call system	1	Item		
SUB TOTAL C/F TO COLLECTION PAGE					

BILL 3.0 - SCHEDULE NO. 3 - SECOND FLOOR

Item	Description	Qty	Unit	Rate (Ksh)	Amount (Ksh)
2.01	Supply, install, test and commission the following ;- LIGHTING POINTS Lighting points wired in 1.5 mm ² SC CU cables drawn in concealed 20mm diameter HG P.V.C conduits for:				
	a) one way switching	65	No.		
	b) two way switching	13	No.		
	c) Unswitched	3	No.		
2.02	SWITCHES 10Amps, switch plate as CLIPSAL, or approved equivalent as				
	a) one gang one way	23	No.		
	b) one gang two way	9	No.		
	c) intermediate switch	1	No.		
2.03	LIGHTING FITTINGS Lighting fittings complete with bulbs or tubes as follows:-				
	a) Surface LED 1200mm Batten light; 20W, 2000 Lumens, 4500K, c/w with prismatic diffuser as PHILIPS or approved equivalent (TYPE B)	23	No.		
	b) IP65 waterproof LED 1200mm batten light; 20W, 2000 Lumens, 4500K, c/w with prismatic diffuser as PHILIPS or approved equivalent (TYPE WP)	16	No.		
	c) Round surface waterproof fitting ; 12W, 1200 Lumens, 4500K, IP65 as PHILLIPS LED or approved equivalent for Washrooms. (Type DS)	7	No.		
	d) Round Surface Fitting, 12W, 1200 Lumens, 4500K, Downlight as PHILLIPS CORELINE for passageways (Type N)	18	No.		
	e) Circular decorative DownLight for reception area as PHILIPS or approved equivalent (Type d)	9	No.		
	f) cleanroom luminaire module size 300x1200mm, 5500lumenscomplete with Emergency pack as PHILIPS LED CR150B for delivery room	4	No.		
	g) 1x8Watts, Double sided EXIT emergency lighting luminaire as THORN or approved equivalent(TYPE EXIT)	3	No.		
SUB TOTAL C/F TO THE NEXT PAGE					

SCHEDULE NO. 3 CONT'D - SECOND FLOOR

Item	Description	Qty	Unit	Rate (Ksh)	Amount (Ksh)
	Supply, install, test and commission the following ;- Sub Total B/F From PREVIOUS PAGE				
	SOCKET OUTLETS AND OTHER POWER POINTS				
2.04	13 Amps. Socket outlet points wired ring comprising of 3x2.5 mm sq. single core PVCII copper cables drawn in concealed 25mm HG PVC conduits including all accessories.	38	No.		
2.05	13 Amps. Twin Moulded plate switched socket outlet with neon indicator as BG or approved equivalent	32	No.		
2.06	13 Amps. Waterproof Twin socket outlet with neon indicator as BG or approved equivalent	6	No.		
2.07	instant shower Power point comprising wiring in 3x4 mm ² PVC-SC- CU cables in concealed PVC conduits (Average length per point = 20LM)	2	No.		
2.08	20 Amps double pole switches with neon indicator as CLIPSAL or approved equivalent for instant showers.	2	No.		
2.09	Power circuit comprising wiring in 3x4.0mm ² PVC-SC-CU cables in concealed PVC conduits for the macerator	20	LM.		
2.1	20 Amps double pole switches with neon indicator as CLIPSAL or approved equivalent for item above.	1	No.		
2.11	Electric Solid Top Cooking Range (4 burner) circuit comprising wiring in 3x4mm ² PVC SC cables concealed in 32mm conduits	20	LM.		
2.12	Cooker control unit complete with 13 Amps. Switched socket outlet as THORN or approved equivalent.	1	No		
2.13	Cooker connection unit	1	No.		
	TELEPHONE/DATA AND TV WORKS				
2.14	Telephone/Data outlet point comprising of concealed 20 mm dia. HG PVC conduits plus 1.5 mm ² single core draw wire	14	No.		
	SUB TOTAL C/F TO THE NEXT PAGE				

SCHEDULE NO. 3 CONT'D - SECOND FLOOR

Item	Description	Qty	Unit	Rate (Ksh)	Amount (Ksh)
	Supply, install, test and commission the following ;-				
	Sub Total B/F From PREVIOUS PAGE				
2.15	TV outlet point comprising of concealed 20 mm dia. HG PVC conduits plus 1.5 mm ² single core draw wire.	6	No.		
2.16	Flat TV/coax single Ivory socket plate as MK or approved equivalent.	6	No.		
2.17	CCTV outlet point comprising of concealed 20 mm dia. HG PVC conduits plus 1.5 mm ² single core draw wire.	3	No.		
2.18	BEDHEAD UNITS PREFABRICATED Powder coated metal clad, Bedhead unit comprising of 2 No. 600mm, 18 Watts LED light fittings	18	No		
2.19	(Reading and night light), 2 No. 13Amps 240V Twin socket outlet and Patient Nurse-call call cord/reset switch	18	No		
2.20	Lighting point wired in 3×1.5 mm ² single core PVC cables drawn in 20mm heavy gauge conduits concealed in walls and floors for; a) One way switching	36	No		
2.21	13A Ring Mains Raw power Socket Outlet Points wired in 3 x 2.5 mm ² SC PVC insulated CU cables drawn in 25 mm Ø HG PVC conduits/Trunking concealed in building fabric complete with all the necessary accessories excluding socket outlet plate.	1	No.		
2.22	DISTRIBUTION BOARD 8 ways TP&N, flush mounted distribution boards (A) complete with 125A integral isolator as HAGER or approved equivalent complete with all accessories but excluding MCBs.				
2.23	MCB's for item above				
	(a) 10A, SP	4	No.		
	(b) 20A, SP	5	No.		
	(c) 32A, SP	2	No.		
	(d) 45A, SP	1	No.		
	(e) Blanking plates	12	No.		
	5x16mm ² single Core PVC Copper cables drawn in PVC conduits from meter board to DB in ground floor	40	LM		
SUB TOTAL C/F TO THE NEXT PAGE					

SCHEDULE NO. 3 CONT'D - SECOND FLOOR

Item	Description	Qty	Unit	Rate (Ksh)	Amount (Ksh)
	Supply, install, test and commission the following ;-				
	Sub Total B/F From PREVIOUS PAGE				
2.24	150x50mm, heavy gauge cream powder coated steel metallic trunking complete with bends, fixing accessories for coupling and earthing for Power cable. Allow for colour change to Architect's detail.	60	LM		
	FIRE ALARM SYSTEM.				
2.25	Fire alarm power points wired in Heat resistant SC PVC copper cables drawn in concealed HG PVC conduits	25	No.		
2.26	Addressable low profile LED Electronic sounder beacon with a flashing Light as MENVIER or approved equivalent	1	No.		
2.27	Smoke detectors as MENVIER or approved equivalent	20	No.		
2.28	Heat detectors as MENVIER or approved equivalent.	1	No.		
2.29	Fire break glass Manual call point unit as MENVIER or approved equivalent complete with a packet of 5 spare glasses, a packet of 5 spare test keys, a spare back box and a hinged cover.	3	No.		
	SUB TOTAL C/F TO THE NEXT PAGE				

SCHEDULE NO. 3 CONT'D - SECOND FLOOR

Item	Description	Qty	Unit	Rate (Ksh)	Amount (Ksh)
	Supply, install, test and commission the following ;-				
	Sub Total B/F From PREVIOUS PAGE				
	NURSE CALL SYTEM				
2.30	Nurse call system points comprising of wiring in 6 core PVC insulated copper cable drawn in concealed 20mm dia. HG conduits.	32	No.		
2.31	Wall mounted over door lights for Nurse call system.	4	No.		
2.32	Nurse call system patient call/ nurse reset switch on bedhead unit complete with patient Nurse call cord on bedhead unit as Intercall or approved equivalent	18	No.		
2.33	Nurse call system ceiling pull cord call switch in washroom area as Intercall or approved equivalent	5	No.		
2.34	Nurse call system patient call/ nurse reset switch in washroom area as Intercall or approved equivalent	5	No.		
2.35	250 VAC 50 HZ, flush mounted Nurse call control panel with a minimum of 36 No. patient stations, alarm sounder, lamp test facility for the dome lights and LEDs, continuous supervision of	1	No.		
2.36	Allow for training of client staff on the all operations and maintenance of the Nurse call system	1	Item		
SUB TOTAL C/F TO COLLECTION PAGE					

COLLECTION PAGE FOR ELECTRICAL INSTALLATIONS

Item	Description	Qty	Unit	Rate (Ksh)	Amount (Ksh)
A	Sub total B/F from collection GROUND FLOOR				
B	Sub total B/F from collection - FIRST FLOOR				
C	Sub total B/F from collection - SECOND FLOOR				
	SUB TOTAL C/F TO MAIN SUMMARY PAGE				

BILL 4.0 - GROUND, FIRST AND SECOND FLOOR

Item	Description	Qty	Unit	Rate (Ksh)	Amount (Ksh)
A	Supply, install, test and commission the following ;- HORIZONTAL CABLING RJ45 cat 6A STP single data outlets complete with faceplates				
3.01	and labelling system as Siemons or its equal and approved equivalent	34	No.		
3.02	3m RJ45- RJ45 Cat 6A STP factory terminated patch cord as Siemons for use at workstation areas	34	No.		
3.03	1m, RJ45- RJ45 cat 6A STP factory terminated patch cord as Siemons to be used from the telephone to the computer	34	No.		
3.04	1m, RJ45- RJ45 cat 6A STP factory terminated patch cord as Siemons to be used in cabinet.	34	No.		
3.05	Cat 6A STP 4-pair screened cable as Siemons pulled between cabinet and work stations.	2380	Lm.		
B	CABINETS				
3.06	12U Wall/ground Mounted cabinet with low noise (low dB) fans and power outlet sockets, as described in particular specifications	2	No.		
3.07	24 port RJ45 cat 6A Data patch panel for STP termination as Siemon.	2	No.		
3.08	Cable Manager	2	No.		
TOTAL C/F TO MAIN SUMMARY PAGE					

COLLECTION PAGE FOR ELECTRICAL INSTALLATIONS

ITEM	DESCRIPTION	QTY	UNIT	RAT	AMOUNT
A	Sub total B/F from collection PRELIMINARIES				
B	Sub total B/F from collection ELECTRICAL WORKS				
C	Sub total B/F from collection STRUCTURED CABLING				
D	Provisional sum for KPLC connection				300,000.00
E	Liason for the above item				
F	Allow for 4 sets of 'AS INSTALLED DRAWINGS'				
G	Contingency sum				500,000.00
GRAND TOTAL					

MECHANICAL INSTALLATIONS

GENERAL MECHANICAL SPECIFICATIONS

<u>CLAUS</u>	<u>GENERAL MECHANICAL SPECIFICATION</u>	<u>PAGE</u>
<u>F</u>	<u>DESCRIPTION</u>	
2.01	GENERAL	D-1
2.02	QUALITY OF MATERIALS	D-1
2.03	REGULATIONS AND STANDARDS	D-1
2.04	ELECTRICAL REQUIREMENTS	D-2
2.05	TRANSPORT AND STORAGE	D-2
2.06	SITE SUPERVISION	D-3
2.07	INSTALLATION	D-3
2.08	TESTING	D-3
2.09	COLOUR CODING	D-4
2.10	WELDING	D-5

(i) GENERAL MECHANICAL SPECIFICATION

2.01 General

This section specifies the general requirement for plant, equipment and materials forming part of the Sub- contract Works and shall apply except where specifically stated elsewhere in the Specification or on the Contract Drawings.

2.02 Quality of Materials

All plant, equipment and materials supplied as part of the Sub-contract Works shall be new and of first class commercial quality, shall be free from defects and imperfections and where indicated shall be of grades and classifications designated herein.

All products or materials not manufactured by the Sub-contractor shall be products of reputable manufacturers and so far as the provisions of the Specification is concerned shall be as if they had been manufactured by the Sub-contractor.

Materials and apparatus required for the complete installation as called for by the Specification and Contract Drawings shall be supplied by the Sub-contractor unless mention is made otherwise.

Materials and apparatus supplied by others for installation and connection by the Sub-contractor shall be carefully examined on receipt. Should any defects be noted, the Sub-contractor shall immediately notify the Engineer.

Defective equipment or that damaged in the course of installation or tests shall be replaced as required to the approval of the Engineer.

2.03 Regulations and Standards

The Sub-contract Works shall comply with the current editions of the following:

- a) The Kenya Government Regulations.
- b) The United Kingdom Institution of Electrical Engineers (IEE) Regulations for the Electrical Equipment of Buildings.
- c) The United Kingdom Chartered Institute of Building Services Engineers (CIBSE) Guides.

- d) British Standard and Codes of Practice as published by the British Standards Institution (BSI)
- e) The Local Council By-laws.
- f) The Electricity Supply Authority By-laws.
- g) Local Authority By-laws.
- h) The Kenya Building Code Regulations.
- i) The Kenya Bureau of Standards

2.04 Electrical Requirements

Plant and equipment supplied under this Sub-contract shall be complete with all necessary motor starters, control boards, and other control apparatus. Where control panels incorporating several starters are supplied they shall be complete with a main isolator.

The supply power up to and including local isolators shall be provided and installed by the Electrical Sub- contractor. All other wiring and connections to equipment shall form part of this Sub-contract and be the responsibility of the Sub-contractor.

The Sub-contractor shall supply three copies of all schematic, cabling and wiring diagrams for the Engineer's approval.

The starting current of all electric motors and equipment shall not exceed the maximum permissible starting currents described in the Kenya Power and Lighting Company (KPLC) By-laws.

All electrical plant and equipment supplied by the Sub-contractor shall be rated for the supply voltage and frequency obtained in Kenya, that is 415 Volts, 50Hz, 3-Phase or 240Volts, 50Hz, 1-phase.

Any equipment that is not rated for the above voltages and frequencies shall be rejected by the Engineer.

2.05 Transport and Storage

All plant and equipment shall, during transportation be suitably packed, crated and protected to minimise the possibility of damage and to prevent On arrival at site all plant and equipment shall be examined and any damage to parts and protective priming coats made good before storage or installation.

Adequate measures shall be taken by the Sub-contractor to ensure that plant and equipment do not suffer any deterioration during storage.

Prior to installation all piping and equipment shall be thoroughly cleaned.

If, in the opinion of the Engineer any equipment has deteriorated or been damaged to such an extent that it is not suitable for installation, the Sub-contractor shall replace this equipment at his own cost.

2.06 Site Supervision

The Sub-contractor shall ensure that there is an English-speaking supervisor on the site at all times during normal working hours.

2.07 Installation

Installation of all special plant and equipment shall be carried out by the Sub-contractor under adequate supervision from skilled staff provided by the plant and equipment manufacturer or his appointed agent in accordance with the best standards of modern practice and to the relevant regulations and standards described under Clause 2.03 of this Section.

“

Testing

2.08.1 General

The Sub-contractor's attention is drawn to Part 'C' Clause 1.38 of the "Preliminaries and General Conditions".

2.08.2 Material Tests

All material for plant and equipment to be installed under this Sub-contract shall be tested, unless otherwise directed, in accordance with the relevant B.S Specification concerned.

For materials where no B.S. Specification exists, tests are to be made in accordance with the best modern commercial methods to the approval of the Engineer, having regard to the particular type of the materials concerned.

The Sub-contractor shall prepare specimens and performance tests and analyses to demonstrate conformance of the various materials with the applicable standards.

If stock material, which has not been specially manufactured for the plant and equipment specified is used, then the Sub-contractor shall submit satisfactory evidence to the Engineer that such materials conform to the requirements stated herein in which case tests of material may be partially or completely waived.

Certified mill test reports of plates, piping and other materials shall be deemed acceptable.

2.08.3 Manufactured Plant and Equipment – Work Tests

The rights of the Engineer relating to the inspection, examination and testing of plant and equipment during manufacture shall be applicable to the Insurance Companies or Inspection Authorities so nominated by the Engineer.

The Sub-contractor shall give two week's notice to the Engineer of the manufacturer's intention to carry out such tests and inspections.

The Engineer or his representative shall be entitled to witness such tests and inspections. The cost of such tests and inspections shall be borne by the Sub-contractor.

Six copies of all test and inspection certificates and performance graphs shall be submitted to the Engineer for his approval as soon as possible after the completion of such tests and inspections.

Plant and equipment which is shipped before the relevant test certificate has been approved by the Engineer shall be shipped at the Sub-contractor's own risk and should the test and inspection certificates not be approved, new tests may be ordered by the Engineer at the Sub-contractor's expense.

2.08.4 Pressure Testing

All pipework installations shall be pressure tested in accordance with the requirements of the various sections of this Specification. The installations may be tested in sections to suit the progress of the works but all tests must be carried out before the work is buried or concealed behind building finishes. All tests must be witnessed by the Engineer or his representative and the Sub-contractor shall give 48 hours notice to the Engineer of his intention to carry out such tests.

Any pipework that is buried or concealed before witnessed pressure tests have been carried out shall be exposed at the expense of the Sub-contractor and the specified tests shall then be applied.

The Sub-contractor shall prepare test certificates for signature by the Engineer and shall keep a progressive and up-to-date record of the section of the work that has been tested.

2.09 Colour Coding

Unless stated otherwise in the Particular Specification all pipework shall be colour coded in accordance with the latest edition of B.S 1710 and to the approval of the Engineer or Architect.

2.10 **Welding**

2.10.1 Preparation

Joints to be made by welding shall be accurately cut to size with edges sheared, flame cut or machined to suit the required type of joint. The prepared surface shall be free from all visible defects such as lamination, surface imperfection due to shearing or flame cutting operation, etc., and shall be free from rust scale, grease and other foreign matter.

2.10.2 Method

All welding shall be carried out by the electric arc processing using covered electrodes in accordance with B.S. 639.

Gas welding may be employed in certain circumstances provided that prior approval is obtained from the Engineer.

2.10.3 Welding Code and Construction

All welded joints shall be carried out in accordance with the following Specifications:

a) Pipe Welding

All pipe welds shall be carried out in accordance with the requirements of B.S.806.

b) General Welding

All welding of mild steel components other than pipework shall comply with the general requirements of B.S. 1856.

2.10.4 Welders Qualifications

Any welder employed on this Sub-contractor shall have passed the trade tests as laid down by the Government of Kenya.

The Engineer may require to see the appropriate certificate obtained by any welder and should it be proved that the welder does not have the necessary qualifications the Engineer may instruct the Sub-contractor to replace him by a qualified welder.

SECTION E
PARTICULAR SPECIFICATIONS FOR
SECTION E

PARTICULAR PLUMBING AND DRAINAGE SPECIFICATIONS

CLAUSE No.	DESCRIPTION	PAGE
3.1	General...	E-1
3.2	Materials and standards	E-1
3.2.1	Pipework and Fittings	E-1
3.2.2	Valves...	E-3
3.2.3	Waste Fitment Traps	E-4
3.2.4	Pipe Supports	E-4
3.2.5	Sanitary Appliances	E-6
3.2.6	Pipe Sleeves...	E-6
3.3	Installation	E-6
3.3.1	General...	E-6
3.3.2	Above Ground Installation	E-6
3.4	Testing Inspection	E-8
3.4.1	Site Tests – Pipework Systems	E-8
3.4.2	Site Test – Performance	E-8
3.5	Sterilisation of Hot and Cold Water System	E-9

**(i) SECTION E
PARTICULAR SPECIFICATIONS FOR PLUMBING AND DRAINAGE**

3.1 GENERAL

This section specifies the general requirements for plant, equipment and materials forming part of the plumbing and drainage installations.

3.2 MATERIALS AND STANDARDS

3.2.1 Pipework and Fittings

Pipework materials are to be used as follows:

a) Galvanized Steel Pipework

Galvanized steel pipe work up to 65mm nominal bore shall be manufactured in accordance with B.S. 1387 Medium Grade, with tapered pipe threads in accordance with B.S. 21. All fittings shall be malleable iron and manufactured in accordance with B.S. 143.

Pipe joints shall be screwed and socketed and sufficient coupling unions shall be allowed so that fittings can be disconnected without cutting the pipe. Running nipples and long screws shall not be permitted unless exceptionally approved by the Engineer.

Galvanized steel pipe work, 80mm nominal bore up to 150mm nominal bore shall be manufactured to comply in all respects with the specification for 65mm pipe, except that screwed and bolted flanges shall replace unions and couplings for the jointing of pipes to valves and other items of plant. All flanges shall comply with the requirements of B.S. 10 to the relevant classifications contained hereinafter under Section 'C' of the Specification.

Galvanizing shall be carried out in accordance with the requirements of B.S. 1387 and B.S. 143 respectively.

b) Copper Tubing

All copper tubing shall be manufactured in accordance with B.S. 2871 from C.160 'Phosphorous De-oxidized Non- Arsenical Copper' in accordance with B.S. 1172.

Pipe joints shall be made with soldered capillary fittings and connections to equipment shall be with compression fittings manufactured in accordance with B.S. 864.

Short copper connection tubes between galvanized pipe work and sanitary fittings shall not be used because of the risk of galvanic action.

If, as may occur in certain circumstances, it is not possible to make the connection in any way than the use of copper tubing, then a brass straight connector shall be positioned between the galvanized pipe and the copper tube in order to prevent direct contact.

c) **P.V.C. (Hard) Pressure Pipes and Fittings**

All P.V.C. pipes and fittings shall be manufactured in accordance with B.S. 3505: 1968.

Joining

The method of joining to be employed shall be that of solvent welding, using the pipe and manufacturer's approved cement. Seal ring joint shall be introduced where it is necessary to accommodate thermal expansion.

Testing

Pipelines shall be tested in sections under an internal water pressure normally one and a half times the maximum allowable working pressure of the class of pipe used. Testing shall be carried out as soon as practical after laying and when the pipeline is adequately anchored. Precautions shall be taken to eliminate all air from the test section and to fill the pipe slowly to avoid risk of damage due to surge.

d) **A.B.S. Waste System**

Where indicated on the Drawings and Schedules, the Sub-contractor shall supply and fix A.B.S. waste pipes and fittings.

The pipes, traps and fittings shall be in accordance with the relevant British Standards, including B.S. 3943, and fixed generally in accordance with manufacturer's instructions and B.S. 5572: 1978.

Joining of pipes shall be carried out by means of solvent welding, the manufacturer's instructions and B.S. 5572: 1978.

Joining of pipes shall be carried out by means of solvent welding. The manufacturer's recommended method of joint preparation and fixing shall be followed.

Standard brackets, as supplied for use with this system, shall be used wherever possible. Where the building structure renders this impracticable the Sub-contractor shall provide purpose made supports, centers of which shall not exceed one meter.

Expansion joints shall be provided as indicated. Supporting brackets and pipe clips shall be fixed on each side of these joints.

e) **PVC Soil System**

The Sub-contractor shall supply and fix PVC soil pipes and fittings as indicated on the Drawings and Schedules.

Pipes and fittings shall be in accordance with relevant British Standards, including B.S. 4514 and fixed to the manufacturer's instructions and B.S. 5572.

The soil system shall incorporate synthetic rubber gaskets as provided by the manufacturer whose fixing instructions shall be strictly adhere to.

Connections to WC pans shall be effected by the use of a WC connector, gasket and cover, fixed to suit pan outlet.

Suitable supporting brackets and pipe clips shall be provided at maximum of one metre centres.

The Sub-contractor shall be responsible for the joint into the Gully Trap on Drain as indicated on the Drawings.

3.2.2 **Valves**

a) **Draw-off Taps and Stop Valves (Up to 50mm Nominal Bore)**

Draw-off taps and valves up to 50mm nominal bore, unless otherwise stated or specified for attachment or connection to sanitary fitment shall be manufactured in accordance with the requirements of B.S.1010.

b) **Gate Valves**

All gate valves 80mm nominal bore and above, other than those required for fitting to buried water mains shall be of cast iron construction, in accordance with the requirements of B.S. 3464. All gate valves required for fitting to buried water mains shall be of cast iron construction in accordance with the requirements of B.S.1218.

All gate valves up to and including 65mm nominal bore shall be of bronze construction in accordance with the requirements of B.S. 1952.

The pressure classification of all valves shall depend upon the pressure conditions pertaining to the site of works.

c) Globe Valves

All globe valves up to and including 65mm nominal bore shall be of bronze construction in accordance with the requirements of B.S.3061.

The pressure classification of all globe valves shall depend upon the pressure conditions pertaining to the site of works.

3.2.3 Waste Fittment Traps

a) Standard and Deep Seal P & S Traps

Where standard or deep seal traps are specified they shall be manufactured in suitable non-ferrous materials in accordance with the full requirements of B.S. 1184.

In certain circumstances, cast iron traps may be required for cast iron baths and in these instances bath traps shall be provided which are manufactured in accordance with the full requirements of B.S.1291.

b) Anti-Syphon Traps

Where anti-syphon traps are specified, these shall be similar or equal to the range of traps manufactured by Greenwood and Hughes Limited, Deacon Works Littlehampton, Sussex, England.

The trade name for traps manufactured by this company is 'Grevak'.

3.2.4 Pipe Supports

a) General

This sub-clause deals with pipe supports securing pipes to the structure of buildings for above ground application.

The variety and type of support shall be kept to a minimum and their design shall be such as to facilitate quick and secure fixings to metal, concrete, masonry or wood.

Consideration shall be given, when designing supports, to the maintenance of desired pipe falls and the restraining of pipe movements to a longitudinal axial direction only.

The Sub-contractor shall supply and install all steelwork forming part of the pipe support assemblies and shall be responsible for making good damage to builders work associated with the pipe support installation.

The Sub-contractor shall submit all his proposals for pipe supports to the Engineer for approval before any erection works commence.

b) Steel and Copper Pipes and Tubes

Pipe runs shall be secured by clips connected to pipe angles, wall brackets, or trapeze type supports. 'U' bolts shall not be used as a substitute for pipe clips without the approval of the Engineer. An approximate guide to the maximum permissible supports spacing in metres for steel and copper pipe and tube is given in the following table for horizontal runs.

Size Nominal Bores	Copper Tube to B.S. 659	Steel Tube to B.S. 1387
15mm	1.25m	2.0m
20mm	2.0m	2.5m
25mm	2.0m	2.5m
32mm	2.5m	3.0m
40mm	2.5m	3.0m
50mm	2.5m	3.0m
65mm	3.0m	3.5m
80mm	3.0m	3.5m
100mm	3.0m	4.0m
125mm	3.0m	4.5m
150mm	3.5m	4.5m

The support spacing for vertical runs shall not exceed one and a half times the distances given for horizontal runs.

c) Expansion Joints and Anchors

Where practicable, cold pipework systems shall be arranged with sufficient bends and changes of direction to absorb pipe expansion providing that the pipe stresses are within the permissible limits. Where piping anchors are supplied, they shall be fixed to the main structure only. Details of all anchor design proposals shall be submitted to the Engineer for approval.

The Sub-contractor when arranging his piping shall ensure that no expansion movements are transmitted directly to connections and

The Sub-contractor shall supply flexible joints to prevent vibrations and other movements being transmitted from pumps to piping systems

3.2.5 **Sanitary Appliances**
All sanitary appliances supplied and installed as part of the Sub-contract works shall comply with the general requirements of B.S. Code of Practice 305

3.2.6 **Pipe Sleeves**
Main runs of pipework are to be fitted with sleeves where they pass through walls and floors. Generally the sleeves shall be of P.V.C. except where they

3.3 **INSTALLATION**

3.3.1 **General**
Installation of all pipework, valves, fittings and equipment shall be carried out under adequate supervision from skilled staff to the relevant codes and

3.3.2 **Above Ground Installation**

a) **Water Services**

Before any joint is made, the pipes shall be hung in their supports and adjusted to ensure that the joining faces are parallel and any falls which shall be

Where falls are not shown on the Contract Drawings or stated elsewhere in the Specification, pipework shall be installed parallel to the lines of the

All water systems shall be provided with sufficient drain points and automatic air vents to enable them to function correctly.

Valves and other user equipment shall be installed with adequate access for operation and maintenance. Where valves and other operational equipment are

Screwed piping shall be installed with sufficient number of unions to facilitate easy removal of valves and fittings, and to enable alterations of pipework to be

Full allowances shall be made for the expansion and contraction of pipework, precautions being taken to ensure that any force produced by the pipe movements are

The test pressure shall be maintained by the pump for about one hour and if there is any leakage, it shall be measured by the quantity of water pumped into the

b) Sanitary Services

Soil, waste and vent pipe system shall be installed in accordance with the best standard of modern practice as described in B.S. 5572 to the approval of the

The Sub-contractor shall be responsible for ensuring that all ground waste fittings are discharged to a gully trap before passing to the sewer via a manhole.

The Sub-contractor shall provide all necessary rodding and inspection facilities within the draining system in positions where easy accessibility is available.

Where a branch requires rodding facilities in a position to which normal access is unobtainable, then that branch shall be extended so as to provide a suitable

The vent stacks shall terminate above roof level and where stack passes through roof, a weather skirt shall be provided. The Sub-contractor shall be responsible for

The open end of each stack shall be fitted with a plastic coated or galvanised steel wire guard.

Access for rodding and testing shall be provided at the foot of each stack.

c) Sanitary Appliances

All sanitary appliances associated with the Sub-contract works shall be installed in accordance with the best standard of modern practice as described in C.P. 305 to

1.1. TESTING AND INSPECTION

3.4.1 Site Tests – Pipework Systems

a) Above Ground Internal Water Services Installation

All water service pipe system installed above ground shall be tested hydraulically for a period of one hour to not less than one and half times to design working. If preferred, the Sub-contractor may test the pipelines in sections. Any such section found to be satisfactory need not be the subject of a further test when The Sub-contractor shall take all necessary precautions to prevent damage occurring to special valves and fittings during the tests. Any item damaged shall be

b) Above Ground Soil Waste and Ventilation System

All soil, waste and ventilating pipe system forming part of the above ground installation, shall be given appropriate test procedures as described in B.S. 5572, Smoke tests on above ground soil, waste and ventilating pipe system shall not be permitted.

Pressure tests shall be carried out before any work which is to be concealed is finally enclosed.

In all respects, tests shall comply with the requirements of B.S. 5572.

3.4.2 Site Test – Performance

Following satisfactory pressure test on the pipework system operational tests shall be carried out in accordance with the relevant B. S. Code of practice on the All hot water pipework shall be installed with pre-formed fibre glass lagging to a thickness of 25mm where the pipe runs above a false ceiling or in areas where All lagged pipes which run in a visible position after erection shall be given a canvas cover and prepared for painting as follows:

- i) Apply a coating of suitable filler until the canvas weave disappears and allow to dry.
- ii) Apply two coats of an approved paint and finish in suitable gloss enamel to colors approved by the Engineer.

E-8

All lagging for cold and hot water pipes erected in crawlways, ducts and above

In all respects, unless otherwise stated, the hot and cold water installation shall be carried out in accordance with the best standard of modern practice and described in The test pressure shall be applied by means of a manually operated test pump or, in the case of long main or mains of large diameter, by a power driven test pump which Pressure gauges should be recalibrated before the tests.

The Sub-contractor shall be deemed to have included in his price for all test pumps, and other equipment required under this specification.

The test pressure shall be one and a half times the maximum working pressure except where a pipe is manufactured from a material for which the relevant B.S.

3.5 STERILISATION OF COLD WATER SYSTEM

All water distribution system shall be thoroughly sterilised and flushed out after the completion of all tests and before being fully commissioned for handover.

The sterilisation procedures shall be carried out by the Sub-contractor in accordance with the requirements of B.S. Code of Practice 301, Clause 409 and to the approval

E-9

PART F
PARTICULAR SPECIFICATION FOR PORTABLE
FIRE EXTINGUISHER BOOSTED HOSE REEL SYSTEM, HOSE REEL, AND FIRE HYDRANT

PART F

PARTICULAR SPECIFICATIONS FOR PORTABLE FIRE EXTINGUISHER AND HOSE REEL

6.1 GENERAL

If in the opinion of the Sub-contractor there is a difference between the requirements of the Specifications and the Contract Drawings, he shall clarify

6.2 SCOPE OF WORKS

6.3 WATER/CO2 EXTINGUISHERS

The extinguishers shall be clearly marked with the following:

F-1

6.4 PORTABLE CARBON DIOXIDE FIRE EXTINGUISHERS

These shall be portable carbon dioxide fire extinguishers and shall comply with B.S. 3326: 1960 and B.S. 5423: 1977.

The body of extinguisher shall be a seamless steel cylinder manufactured to one of the following British Standards; B.S. 401 or B.S. 1288.

The filling ratio shall comply with B.S. 5355 with valves fittings for compressed gas cylinders to B.S.341. Where a hose is fitted it shall be flexible and have

The nozzle shall be manufactured of brass gunmetal, aluminium or stainless steel and may be fitted with a suitable valve for temporarily stopping the

The discharge horn shall be designed and constructed so as to direct the discharge and limit the entrainment of air. It shall be constructed of electrically

The following markings shall be applied to the extinguishers:-

- a) The words "Carbon Dioxide Fire Extinguisher" and to include the appropriate nominal gas content.
- b) Method of operation.
- c) The words "Re-charge immediately after use".
- d) Instructions for periodic checking.
- e) The number of the British Standard B.S. 3326: 1960 or B.S. 5423.
- f) The manufacturers name or identification markings

F-2

DRY CHEMICAL POWDER PORTABLE FIRE EXTINGUISHER

The portable dry powder fire extinguishers shall comply with BS3465: 1962 and BS 5423. The body shall be constructed to steel not less than the

The dry powder charge shall be not-toxic and retain its free flowing properties under normal storage conditions. Any pressurizing agent used as

The discharge tube and gas tube if either is fitted shall be made of steel, brass, copper or other not less suitable material. Where a hose is provided it shall

The extinguisher shall be clearly marked with the following information

- a) The word "Dry Powder Fire Extinguisher"
- b) Method of operation in prominent letters.
- c) The working pressure and the weight of the powder charge in Kilogramme.
- d) Manufacturers name or identification mark
- e) The words "RECHARGE AFTER USE" if rechargeable type.
- f) Instructions to regularly check the weight of the pressure container (gas Cartridge) or inspect the pressure indicator on stored pressure types when
- g) The year of manufacture.
- h) The Pressure to which the extinguisher was tested.
- i) The number of this British Standard BS 3465 or BS 5423: 1977.
- j) When appropriate complete instructions for charging the extinguisher shall be clearly marked on the extinguisher or otherwise be supplied with the

F-3

6.6 AIR FOAM FIRE EXTINGUISHER

These shall be of 9 litres capacity complete with refills cartridges and wall fixing brackets and complying with B.S. 5423 with the following specifications:-

Cylinder: to B.S. 1449

CO₂ Cylinder: to be 75gm P.V.C coated.

Internal Finish: to be polythene lining on phosphate coating.

External finish: to be phosphated - One coat primer paint and one coat stove enamel B.S. 381C.

6.7 FIRE BLANKET

The fire blanket shall be made from cloth woven with pre-asbestos yarn or any other fire proof material and to measure 1800 x 1210 mm and shall be fitted

6.8 BOOSTED HOSE REEL SYSTEM

6.8.1 General

The Particular Specification details the requirements for the supply, installation and commissioning of the hose reel installation. The hose reel installation

6.8.2 Hose Reel Pumps

The fire hose reel pumps shall consist of a duplicate set of multi-line centrifugal pumps from approved manufacturers. The pumps shall be capable of

The pump casing shall be of cast iron construction with the impeller shaft of stainless steel with mechanical seal.

F-4

6.8.3 Control Panel

The control panel shall be constructed of mild steel 1.0mm thick sheet, be moisture, insect and rodent proof and shall be provided complete with circuit

The pump shall be controlled by a flow switch therefore; the control panel shall include the following facilities:

- (a) 'On' push button for setting the control panel to live.
- (b) Green indicator light for indicating control panel live.
- (c) Duty / Stand-by pump auto change over.
- (d) Duty pump run green indicator light.
- (e) Stand-by pump run green indicator light.
- (f) Duty pump fail red indicator light.
- (g) Stand-by pump fail red indicator light.
- (h) Low water condition pump cut-out with red indicator light.

The pumps are to be protected by a low level cut-out switch to prevent dry pump run when low level water conditions occur in the water storage tank.

6.8.4 Hose Reel

The hose reel to the installation shall consist of a recessed, swing-type hose reel as Angus Fire Armour Model III or from other approved manufacturers.

The hose reel shall comply with B.S. 5274: 1975 and B.S 3161: 1970 and is to be installed to the requirements of C.P. 5306 Part 1: 1976.

The hose reel shall be supplied and installed complete with a first-aid Non-kinking hose 30 meters long with a nylon spray / jet / shut-off nozzle fitted. A

The orifice to the nozzle is to be not less than 4.8mm to maintain a minimum flow of 0.4 lit / sec to jet.

The hose reels shall be installed complete with electro-galvanised cabinet recessed on the wall.

The hose reels shall be installed at 1.5 metres centre above the finished floor level in locations shown in the contract drawings.

F-5

- 6.8.5 Pipe Work
- 6.8.6 Pipe Fittings
- 6.8.7 Non-return Valves
- 6.8.8 Gate Valves
- 6.8.9 Sleeves
- 6.8.10 Earthing
- 6.8.11 Finish Painting
- 6.8.12 Testing and Commissioning
- 6.8.13 Instruction Period

The period of time required shall be stipulated by the Client but will not exceed two days in which time the Client's staff shall be instructed on the

F-6

6.8.14 Signage-Fire Instruction /Fire Exit

6.8.14.1 Fire Instruction Notice

Print fire instruction on the Perspex plates with White Colour

FIRE INSTRUCTION NOTICE

6.8.14.2 Fire Exit Sign

Print Fire Exit signs on the Perspex plate, 4mm thick, with white colour background as follows:-

1. Lettering **IN RED COLOUR** of not less than 50mm in height.
The sign must be capable of being read from both approaches to exit and so is double sided.

6.8.14.3 Hose Reel Label

Print Fire Exit signs on the Perspex plate, 4mm thick, with white colour background as follows:-

1. Lettering **IN RED COLOUR** of not less than 50mm in height.
The sign must be capable of being read from both approaches to exit and so is double sided.

PARTICULAR SPECIFICATIONS FOR BOREHOLE DRILLING AND EQUIPPING

3. **Local Conditions**

9. **Gravel Pack**

If filter gravel will be necessary, it will consist of durable, naturally rounded quartzitic particles properly washed and cleaned prior to insertion in the borehole. The gravel

The request for the necessary instructions and/ or guidance to the Project Manager by the Contractor shall be within 48 hours, provided that the Project

18. **Supply and Installation of Pump**

In addition the Contractor shall carry out 24 hours test run at the completion of the works. This test has to be certified by the Project Manager.

Note on Pump Installation

The final production pump to be installed in the newly drilled borehole shall be determined and installed as per the actual conditions encountered on

19. **Electrical works**

F-10

**SECTION G:
BILLS OF QUANTITIES
AND
SCHEDULE OF UNIT RATES**

BILLS OF QUANTITIES AND SCHEDULE OF UNIT RATES

CONTENTS

<u>CLAUSE No.</u>	<u>PAGE</u>
1. GENERAL NOTES TO TENDERERS.....	G-1
2. STATEMENT OF COMPLIANCE.....	G-2
3. BILLS OF QUANTITIES	G-3 to G-19
4. SUMMARY PAGE.....	G-20

(i)

SPECIAL NOTES

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
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, In accordance with Government policy, the 16% VAT and 3% Withholding Tax **shall be deducted** from all payments made to the Tenderer, and the same
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 there of.
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. Should the sub-contractor install any material not specified here in before receiving **written approval** from the Project Manager, the sub-contractor shall
5. The grand total of prices in the price summary page must be carried forward to the **Form of Tender for the tender to be deemed valid.**
6. Tenderers must enclose, together with their submitted tenders, detailed manufacturer's Brochures detailing Technical Literature and specifications on all the

1. Statement of Compliance

- a) I confirm compliance of all clauses of the General Conditions, General Specifications and
 - b) I confirm I have not made and will not make any payment to any person, which can be
Signed *for and on behalf of the Tenderer*
Date:
- Official Rubber Stamp:

BILLS

- a. **Installation Items – Other Bills**
- b. **Summary**

G-3

SECTION H:

TECHNICAL SCHEDULE OF ITEMS TO BE SUPPLIED

CONTENTS

<u>CLAUSE No.</u>	<u>PAGE</u>
1. GENERAL NOTES TO THE TENDERER.....	(i)
2. TECHNICAL SCHEDULE.....	H-1

1. General Notes to the Tenderer

- 1.1 The tenderer shall submit technical schedules for all materials and equipment upon which he has based his tender sum.
- 1.2 The tenderer shall also submit separate comprehensive descriptive and performance details for all plant apparatus and fittings described in the technical schedules. Manufacturer's literature shall be accepted. Failure to comply with this may have his tender disqualified.
- 1.3 Completion of the technical schedule shall not relieve the Contractor from complying

The tenderer must complete in full the technical schedule. Apart from the information required in the

ITEM	DESCRIPTION	MANUFACTURER	COUNTRY OF ORIGIN	REMARKS (Catalogue No. etc.)
1	Dhobi Sink			
2	Medical Wash Hand Basin			
3	Disabled Water Closet			
4	Instantaneous Shower Heater			
5	Hose Reel Pumpset			
6	Gate Valves			
7	Scrub-up unit			
8	Sluice unit/Slop Hopper			

Catalogue must be attached for all the items in the technical schedule of material above

SCHEDULE OF UNIT RATES

Item	Description	Unit	Amount (Kshs)
1	9L water/CO2 gas Fire Extinguisher	No	
2	4.5 CO2 gas Fire Extinguisher	No	
3	9Kg dry chemical powder Fire Extinguisher	No	
4	1800x1210mm Fire blanket	No	
5	225mm manual alarm bell	No	
6	Undersink water heater	No	
7	30m long Fire Hose Reel;20mm dia	No	
8	2.3l/s ,27m Head Hosereel pump	No	
9	2m ³ pressed galvanised steel tank	No	
10	Rectangular plastic tank 5000L capacity	No	
11	2.1kw hand drier	No	
12	300L, 2No. Panels thermosyphon solar water heater	No	
13	40mm oxystable ppr pipe	Lm	
14	32mm oxystable ppr pipe	Lm	
15	25mm oxystable ppr pipe	Lm	
16	20mm oxystable ppr pipe	Lm	

**PROPOSED MUMBUNI LEVEL 3 HOSPITAL -PLUMBING, DRAINAGE AND HOSE
REEL PIPEWORK INSTALLATIONS**

Item	Description	Unit	Qty	Rate (Kshs)	Amount (Kshs)
	<u>SANITARY FITTINGS GROUND, FIRST & SECOND FLOOR</u>				
A	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				
	Water Closet				
B	Ambulant Disabled Water Closet suite Close-coupled rimless WC suite with 'P'-trap in approved colour complete with horizontal outlet to BS 3402 with 6/4 litre valveless ceramic cistern and fittings including siphon, 15mm diameter side inlet ball valve, 20mm diameter side overflow, plastic flush bend, dual flush system, inlet connection, adjacently fixed hand spray (arabian shower),chrome-plated flush button and heavy plastic seat and cover with plastic top fixed hinges 600 x 35mm polyester caoted aluminium grab rails (4No.) The set to be complete with wash hand basin, 6mm thick mirror, toilet roll holder and robe hook. All to be as Twyford Doc.M rimless super pack water closet or equal and approved.	No	3		
C	Squatting water closet suite in vitreous china comprising of water closet pan with top plate and integral foot threads (WC90WH), P/S-trap connector, 6 litres high cistern and fittings and pull chain including siphon, 15mm dia side inlet ball valve, 20mm dia side overflow, plastic flush pipe, inlet connector,adjacently fixed hand spray (arabian shower) and cistern supports. All to be as "Twyfords " or approved equivalent.	No	12		
D	Close-coupled WC suite with 'P'-trap in approved colour complete with horizontal outlet to BS 3402 with 6/4 litre valveless ceramic cistern back to wall pan # MD1145WH,Cistern #MD2342WH,Seat Cover with soft closing mechanism #MD 7851WH and fittings including siphon, 15mm diameter side inlet ball valve, 20mm diameter side overflow, plastic flush bend, dual flush system, inlet connection, adjacently fixed hand-spray (arabian shower),chrome-plated flush button and heavy plastic seat and cover with metal top fixed (stainless steel) hinges. All to be as Twyford Moda Rimfree water closet or equal and approved.	No	3		
	Total c/f to next page				

Item	Description	Unit	Qty	Rate (Kshs)	Amount (Kshs)
	Total b/d from previous page				
A	Toilet roll holder Wall mounted toilet roll holder commercial type approximately 273mm diameter to dispense big rolls.. Toilet roll holder to be as Mediclinic or approved equivalent	No	15		
B	Wall mounted toilet brush holder and brush of approved colour as Ideal Standard or approved equivalent.	No	15		
C	Double chrome robe hooks complete with fixing plates, wall flanges and screws as Jaguar, Kubix Prime or approved equivalent.To be installed in washrooms.	No	15		
	Wash Hand Basins				
D	Countertop wash hand basin size 570 x 425mm with one tap hole (#WB1761WH), 32mm diameter chrome plated chain waste, chain stay hole, with 1No.cobra CP pillar tap 1/2 elbow action cat. no. 101.000.83, chrome grid waste 11/4" cat no. WF 4341 CP and white plastic bottle trap 11/4" P-trap seal. To be of Twyford Entice 570 countertops washhand basin or equal and approved.	No	18		
E	Medical Wash Hand Basin Pedestal cat No.vw4910WH, Twyford's "SOLA MEDICAL 500" wash hand basin 500X400 with 1no tap holes and chain stay hole cat. No. SA4255WH, total install bracket pack for 500 basin T1 1960XX complete with 1No.cobra CP pillar tap 1/2 elbow action cat. no. 101.000.83, chrome grid waste 11/4" cat no. WF 4341 CP and white plastic bottle trap 11/4" P-trap cat. no.WF 8482 xx or approved equivalent.	No	28		
F	15mm diameter x 300mm long flexible connectors complete with integral chrome plated angle valve as Cobra or equal and approved.	No	56		
G	Hand Driers Automatic Hand Drier in white colour, operating on an infra-red automatic sensing system with safety cut-out complete with plastic rawl plugs and fixing screws. The hand drier to have a heating capacity of 1.8 kw and to be of size 270 x 64 x 143mm deep as HEATRAE SADIA "Handi Dri" or approved equivalent.	No	12		
	Paper Towel Dispenser				
H	Wall mounted Hand paper towel dispenser as mediclinic ,with stainless steel matte finish.To be installed in consultation rooms.	No	21		
	Total c/f to next page				

	Total b/d from previous page				
A	<p>Soap Dispenser Soap Dispenser, capacity 1.136 litres complete with plastic rawl plugs, fixing screws, lock and key complete with initial fill of soap gel. The soap dispenser to be as ZALPON'S MARK 7 model, size 125 x 100 x 290mm high or approved equivalent</p>	No	28		
B	<p>Disinfection Sink Hospital sterilization sink in stainless steel, size 600 x 600mm x 450mm deep with two tap holes, stainless steel cantilever brackets(pair) , 2.3 litre undersink glass base dilution trap,front leg supports in stainless steel and unslotted chain waste fitting complete with lever action mixer tap for hot and cold water. All as Twyford's Hospital Sink or approved equivalent.</p>	No	3		
C	<p>Laboratory Sink 602 vulcathene Sink of size 552x231x400 sink with self-draining base,center outlet and to be for mounting on the underside of work surface together with a 3-way pillar elbow operated water faucet,bench mount,swivel neck and with removable nozzle "Vulcathene" 1½" waste, plug, back, nut, butyl rubber gasket, grating, 2.3 litre undersink dilution trap and chain as Cat No.W691.</p>	No	3		
D	<p>Emergency Drencher Shower and eyewash complete with stainless steel shower Bowls, 1 1/4 control valve with lever, stainless steel pull rod,foot pedal with stainless steel chain,280mm diameter shower head with pipe,Soft flow eye-wash heads and instant flip open protection dust cover,250mm aluminium pedestal with 3 mounting holes;pedestal to be brightly epoxy powder coated in yellow.Supply and waste pipe 1 1/4" Metal work chrome-plated. To come with visual and audible alarm.Flows to be min 17l/min for eye wash and 75l/min for shower at 30psi.As "Method model ECB 10020,GIC 10020" or equal and approved.</p>	No	2		
E	<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 with 1No.cobra CP pillar tap 1/2 elbow action cat. no. 101.000.81, 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>	No	3		
	Total c/f to next page				

<p>Total b/d from previous page</p> <p>2 Range urinal with 2No urinal bowls 500x350x330 (VC7003WH) and 2 No urinal divisions (VC8051WH) Exposed flush pipe and spreader (SS6072SS) with 9litre auto-cistern in vitreous china, outlet grating (CX8612WH) and bottle trap 1 1/2" chrome (WF8461CP) together with all necessary accessories for proper functioning.The unit to be Twyford Camden or approved equivalent.</p> <p>Ditto urinal but with 1 bowl and 4.5 litre auto-cistern</p> <p>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.</p> <p>Combined disposal hopper of 1.5mm thick stainless steel 304 to EN 1 4401 and of size 1600x600mm, hopper drainage pipe 110mm dia,outlet,flushpipe connectors, waste, satin polish,top inlet with vitreous china high level 6 litre cistern,complete with valveless fittings and chain pull (CX7630WH), cistern support brackets (SR1300XX),plastic flushpipe (CF6410WH) legs and bearers for sink SR3043XX drain with anti-drip stip FC9684WH legs and bearers for drain SR3052XX chrome plated extended bib tap 1/2" SF5204CP Chrome plated Lever action mixer tap flexible hose and handspray SF7053CP.To be as Twyford or approved equivalent.</p> <p>Concealed shower fitting consisting of 15mm chrome plated riser pipe to connect the water to a shower arm with wall flange. 390mm length. 1/2" BSP male iron shower head connection. 1/2" BSP male iron connection end 1/2" BSP female iron connection end, to a Liana round shower head, anti lime nipples, classic jet. 200mm diameter.Flow restricted to 9ltrs/min. and other necessary fittings and accessories.. All to be as cobra or equal and approved.</p> <p>Instantaneous shower heater 110v and a maximum power rating of 3.5kw,with arm tube,3-power settings selector and connected via 40Amp breaker.The unit to be as Lorenzetti or approved equivalent.</p>	<p>No</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p>	<p>2</p> <p>2</p> <p>12</p> <p>3</p> <p>5</p> <p>5</p>		
<p>Total c/f to next page</p>				

	Total b/d from previous page				
A	Twyfords semi-recessed built in soap tray in vitreous china size: 305 x 150mm	No	5		
B	Bath towel rail 610 x 73mm and all fixing accessories to be as Duravit toilet accessory #009942 or approved equivalent	No	5		
C	Chrome plated bathroom shelf as Ideal Standard or approved equivalent.	No	5		
	Dhobi Sink				
D	Heavy Duty stainless steel dhobi sink of size 675 x 485 x 300 mm deep in 16 SWG as manufactured by ASL 131 or equivalent suitable for wall mounting with 1 No 15 mm diameter chrome plated back inlet bib tap as Cobra Ref 107 CP, 40 mm diameter chrome plated bottle trap and chain waste fitting and plug.	No	3		
E	Twyford Scrub-up Trough ,wall mounted with joggle strip brackets,of 1.5mm thick stainless steel 304 to EN 1 4401 and of size 1600x400x427.5 mm with Right hand outlet Cat No. PS9121SS Complete with 1No. wall mounted Lever action mixer tap Cat No. SF1099CP 11/2Chrome plated Waste fitting.To be as Twyford or approved equivalent.	No	2		
	Total for Sanitary Fittings carried to Summary Page				

PLUMBING PIPEWORKS

Item	Description	Unit	Qty	Rate (Kshs)	Amount
	Supply, deliver and install pipes, tubing and fittings as described and shown on the drawings. The pipes shall be PN 25 PPR pipes where exposed to adverse weather condition and all conforming to the current European standards for PPR installations and to the Engineers approval, pipe jointing shall be by polyfusion or use of electric coupling. 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. The pipes will be pressure tested before the plastering of wall commences and as per the manufacturers recommended testing pressures.				
A	25mm diameter pipe	Lm	310		
B	32mm ditto	Lm	180		
C	40mm ditto	Lm	120		
D	50mm ditto	Lm	110		
E	63mm ditto	Lm	30		
F	75mm ditto	Lm	27		
	Bends				
G	25mm ditto	No	66		
H	32mm ditto	No	54		
I	40mm ditto	No	36		
J	50mm ditto	No	18		
	Tees				
K	75mm diameter equal tee	No	5		
L	40mm diameter equal tee	No	15		
M	32mm diameter equal tee	No	16		
N	25mm diameter equal tee	No	21		
	Reducers				
O	75 x 63mm diameter reducer	No	3		
P	75 x 40mm diameter reducer	No	3		
Q	63 x 50mm diameter reducer	No	6		
R	50 x 40mm diameter reducer	No	8		
S	40 x 32mm diameter reducer	No	11		
T	32 x 25mm diameter reducer	No	15		
	Male/Female Threaded Brass Adapters				
U	20mm threaded brass coupling	No	72		
	Unions				
V	25mm diameter union	No	30		
W	32mm ditto	No	15		
X	40mm ditto	No	11		
Y	50mm ditto	No	8		
Total Carried to Next Page					

Item	Description	Unit	Qty	Rate (Kshs)	Amount
	Total carried forward from previous page				
	Male/Female Threaded Brass Adapters				
	Gate Valves				
A	25mm diameter screwed- in bonnet, full way non-rising stem, solid wedge disk, bronze gate valve to BS 5154 PN 20 for series 'B' ratings with wheel head and transition fitting for jointing to GMS pipework.	No	9		
B	32mm ditto	No	5		
C	40mm ditto	No	9		
D	50mm ditto	No	12		
E	63mm ditto	No	3		
	75mm ditto	No	3		
F	Allow for excavation for the pipework at tee and valve points to connect with existing pipework.	Lm	180		
	Indicator Plates				
G	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.	No	1		
	Roof Tank				
H	Vertical close end plastic moulded tank of capacity 2,300 litres (500 gallons) and diameter 1700 x 1250mm high. The tank to be assembled complete with cover and having screwed connections for inlet, outlet, overflow, medium pressure ball valve, drain pipes and any other necessary item for its proper functioning. Rate to include stand pipe and bib tap. The tank shall be mounted on a platform and shall be as ROTO Model or approved equivalent.	No.	2		
	Booster Pump				
I	An automatic electrically driven booster pump set (one duty and one standby), capable of delivering at least 0.40 litres per second against a head of 15 meters with a single 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 Pedrollo model PKSm 60 (self priming) or approved equivalent. Pump to be installed on mild steel platform.	No	1		
	Total for internal plumbing carried forward to Summary page				

Item	Description	Unit	Qty	Rate (Kshs)	Amount (Kshs)
	<u>INTERNAL FOUL WATER DRAINAGE</u>				
	Supply, deliver and install the following UPVC, MUPVC, soil and waste systems respectively to B.S 5255 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 or class 41 golden brown UPVC pipe	Lm	90		
B	100mm diameter heavy gauge golden brown UPVC pipe	Lm	150		
C	100mm diameter heavy gauge grey mUPVC pipe	Lm	50		
D	50mm diameter waste pipe	Lm	70		
E	40mm diameter waste pipe	Lm	55		
F	32mm diameter waste pipe	Lm	42		
	Bends				
G	100mm diameter bend with access	No	20		
H	100mm diameter long radius bend	No	20		
I	100mm diameter sweep bend	No	18		
J	50mm diameter sweep bend	No	20		
K	40mm diameter sweep bend	No	12		
	Tees				
L	50mm diameter sweep tee	No	13		
M	40mm diameter sweep tee	No	14		
	Access Caps				
N	50mm diameter access cap	No	2		
O	32mm diameter access cap	No	16		
P	100mm diameter WC connector	No	13		
	Vulcathene Pipes				
Q	38mm internal diameter vulcathene pipe	Lm	20		
	Vulcathene Floor Traps				
R	100x50mm diameter acid resistant floor trap	No	2		
Total Carried to Next Page					

Item	Description	Unit	Qty	Rate (Kshs)	Amount
	Total carried forward from previous page				
	Traps				
A	100 x 100mm diameter floor drain and stainless steel grating	No	18		
B	Standard 300 x 300 x 450mm masonry gully trap complete with 125mm thick reinforced concrete cover.	No	14		
	Weathering Slates and Vent Cowls				
C	100mm diameter weathering slate and apron.	No	11		
D	100mm diameter vent cowl	No	11		
E	Man-hole or inspection chamber size 600 x 450 mm by approximately 750mm deep using 200mm thick base (concrete class N15) with 250mm thick benching including forming drain channels, and 200mm thick solid concrete block walling, including 15mm internal plaster and top slab/screed, including pit digging, backfilling, carting away surplus and making good.	No	18		
	<u>Sterilization of Internal Plumbing System</u>				
F	Allow for flushing out and sterilizing the whole system with chlorine to the satisfaction of the Project Engineer.	Item	1		
Total carried to Summary Page					

HOSE REEL PIPEWORK

Item	Description	Qty	Unit	Rate (Kshs)	Amount (Kshs)
	GMS pipe				
A	50mm diameter gms pipe class "B"	55	Lm		
B	25mm diameter gms pipe class "B"	8	Lm		
C	20mm diameter gms pipe class "B"	5	Lm		
	EXTRA OVERS				
D	50mm Bends	6	No.		
E	25mm Bends	12	No.		
F	50mm equal tee	4	No.		
G	50mm x 25mm Reducer	4	No.		
H	25mm x 20mm Reducer	4	No.		
I	50mm gate valve sa peggler or approved equivalent	6	No.		
J	25mm -ditto-	4	No.		
K	50mm non-return valve	2	No.		
L	Air Release Valve 25mm	2	No		
Sub-total carried forward to the Mech Works Summary page					

Item	Description	Qty	Unit	Rate (Kshs)	Amount (Kshs)
RAINWATER HARVESTING					
	Supply, deliver and install the following UPVC, MUPVC fittings to Manufactures Printed instructions and manufactured by reputable manufacturers.Tenderers must allow in their pipework/gutter 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 pipework <i>Gutters and gutter accessories provided for in the builders works bills</i>				
A	65mm diameter heavy gauge grey UPVC down pipe	40	Lm		
B	Down pipe shoe outlet at the base of the pipe.A supporting pipe clip should be used on shoes.	12	No.		
C	90 degree bend 100mm diameter	12	No.		
D	100mm equal tee	12	No		
	Water Storage Tank				
E	Vertical close end plastic moulded tank of capacity 10,000 litres (2200 gallons) and diameter 2400 x 2800mm high. The tank to be assembled complete with cover and having screwed connections for inlet, outlet, overflow, medium pressure ball valve, drain pipes and any other necessary item for its proper functioning.Rate to include stand pipe and bib tapThe tank shall be mounted on a platform and shall be as ROTO Model or	1	No.		
F	Supply and install 32mm diameter HDPE PN 25 water pipe, for supply of water to the storage tank.Rate to allow for associated Tees,unions or any other requisite accessories.Exact length to be determined on site	15	Lm		
G	Excavate trench for hdpe pipework not exceeding 1500mm deep and 750mm deep on average, part refill and ram, and surplus cart away.	15	LM		
	Testing and commissioning				
H	Test and commission the entire Plumbing,Drainage and Fire Fighting installation to the satisfaction of the engineer	1	Item		
	As installed drawings				
I	Allow for as installed drawings in hard copy plotted on A1 paper;3 copies and soft copy (CD-ROM and 8 Gb Flash disk), for the Plumbing & Drainage Installations	1	Set		
Total for Rain Water HarvestingCarried Forward to Summary Page					
SUMMARY PAGE					

Item	Description		Amount (Kshs)
1	Total for sanitary fittings carried forward from page 5		
2	Total for internal plumbing carried forward from page 7		
3	Total for internal drainage carried forward from page 9		
4	Total for Hose Reel Pipeworks carried forward from page 10		
6	Total for Rainwater Harvesting carried forward from page 11		
7	Contingency		1,000,000.00
	Totals for Mechanical Installation Works Carried to Main Summary		

Item No.	Description	Qty	Unit	Rate KShs	Amount KShs
A	<u>SECTION NO. 7 - PROVISIONAL SUMS</u> <i>The following provisional sums are to be measured on completion and priced in accordance with the rates contained in these bills of quantities or prorata thereto or deducted in whole if not required</i>	ITEM		KSHS	
A	Provide a Sum of Shillings Two Million Only for contingencies to be omitted or expended in whole or in part at the discretion of the Project Manager				2,000,000.00
B	Provide a Sum of Kenya Shillings Three Million only for engagement of 1 No. clerk of Works and 1 No. Site Inspector for the duration of the project				3,000,000.00
	<u>SECTION NO. 7</u>				5,000,000.00
	<u>PROVISIONAL SUMS</u>				
				Carried to Main summary	

PROPOSED CONSTRUCTION OF MUMBUNI LEVEL 3 HOSPITAL IN MUMBUNI, MACHAKOS COUNTY

GRAND SUMMARY

ITEM	DESCRIPTION	Page No.	FOR TENDERER USE ONLY	FOR OFFICIAL USE ONLY
A	PARTICULAR PRELIMINARIES			
B	GENERAL PRELIMINARIES			
C	BUILDERS WORK - GROUND FLOOR			
D	BUILDERS WORK - FIRST FLOOR			
E	BUILDERS WORK - SECOND FLOOR			
F	EXTERNAL WORKS			
G	CIVIL WORKS			
H	ELECTRICAL INSTALLATIONS			
J	MECHANICAL INSTALLATIONS			
K	PROVISIONAL SUMS			
SUB-TOTAL 1				
	ADD 16% V.A.T			
GRAND TOTAL CARRIED TO FORM OF TENDER				

AMOUNT IN WORDS : KENYA SHILLINGS

.....

.....

TENDERER'S NAME

ADDRESS

DATE

TENDERER'S SIGNATURE

WITNESS'S NAME.....

ADDRESS

DATE

WITNESS SIGNATURE.....

PART III - THE CONDITIONS OF CONTRACT AND CONTRACT

SECTION VIII - GENERAL CONDITIONS OF CONTRACT (GCC)

STATE DEPARTMENT FOR HOUSING AND URBAN DEVELOPMENT

**PROPOSED CONSTRUCTION OF MUMBUNI HEALTH CENTRE IN MWALA CONSTITUENCY,
MACHAKOS COUNTY**

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 thereafter 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.

“Dayworks” 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 maybe) 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.

“Testson 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.

1.2 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.

1.3 Communications

1.3.1 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 for 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.

1.3.2 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.

1.4 Law and Language

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

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

1.5 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.

1.6 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.

1.7 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.

1.8 Care and Supply of Documents

- 1.8.1 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.
- 1.8.2 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.
- 1.8.3 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.
- 1.8.4 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.

1.9 Timely provision of Drawings or Instructions

- 1.9.1 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.
- 1.9.2 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

1.101 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.

1.102 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.

1.103 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

1.121 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.

1.122 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].
- 2.1.3 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.

- 2.14 After receiving this notice, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.
- 2.15 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

- 2.21 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 as signed 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 Architect is 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.
- 3.1.4 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.
- 3.1.5 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].

3.22 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

- 33.1 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.
- 33.2 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.
- 4.1.3 All equipment, material, and services to be incorporated in or required for the Works shall have their origin in any eligible source country.
- 4.1.4 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.
- 4.1.5 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.

- 4.1.6 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

- 4.2.1 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.
- 4.2.2 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.
- 4.2.3 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.
- 4.2.4 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.
- 4.2.5 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.
- 4.2.6 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.

43 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**.

- 432 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.
- 433 The Contractor shall not, without the prior consent of the Engineer, revoke the appointment of the Contractor's Representative or appoint a replacement.
- 434 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.
- 435 The Contractor's Representative shall, on behalf of the Contractor, receive instructions under Sub-Clause 3.3 [Instructions of the Engineer].
- 436 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.
- 437 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 interpreters available during all working hours in a number deemed sufficient by the Engineer.

44 Sub-contractors

- 441 The Contractor shall not subcontract the whole of the Works. The contractor may however subcontract the works as provided in Clause 34.2.
- 442 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].
- 443 The Contractor shall ensure that the requirements imposed on the Contractor by Sub-Clause 1.12 [Confidential Details] apply equally to each Subcontractor.
- 444 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

- 4.61 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.
- 4.62 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.
- 4.63 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

- 4.71 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.
- 4.72 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.
- 4.73 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

4.9.1 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.

4.9.2 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.

4.10 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.

4.11 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.

4.12 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.

- 4.123 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.
- 4.124 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.
- 4.125 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.
- 4.126 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.
- 4.127 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.

4.13 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.

4.14 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.

4.152 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.

4.19.2 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.

4.19.3 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.

4.20 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.

4.21 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.

4.22 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.

4.23 Contractor's Operations on Site

4.23.1 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 land.

4.23.2 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.

4.23.3 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 fulfil obligations under the Contract.

4.24 Fossils

4.24.1 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.

4.24.2 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].

5.2 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 fulfil 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, direct 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.

6.2 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.

622 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 Lab or 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.

67.3 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.

67.4 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

68.1 Throughout the execution of the Works, and as long thereafter as is necessary to fulfil the Contractor's

obligations, the Contractor shall provide all necessary superintendence to plan, arrange, direct, manage, inspect and test the work.

6.8.2 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.

6.9 Contractor's Personnel

6.9.1 The Contractor's Personnel shall be appropriately qualified, skilled and experienced in their respective trades or occupations. The Contractor's 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.

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

6.10 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.

6.11 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.

6.12 Foreign Personnel

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

6.12.2 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.

7.2 Samples

The Contractor shall submit the following samples of Materials, and relevant information, to the Architect for consent prior to using the Material in 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.

7.3 Inspection

7.3.1 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.

7.32 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.

7.33 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.

7.4 Testing

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

7.42 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.

7.43 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.

7.44 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.

7.45 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 able 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 are as within the Site are specified in the Contract.

8 COMMENCEMENT, DELAYS AND SUSPENSION

8.1 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 shave all been fulfilled and the Architect notification recording the agreement of both Parties on such fulfilment 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.

8.2 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

- 83.1 The Contractor shall submit a detailed time programme to the Architect within 14 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.
- 83.2 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.
- 83.3 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.
- 83.4 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.

8.4 Extension of Time for Completion

- 84.1 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.
- 84.2 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.

8.5 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].

8.6 Rate of Progress

861 If, at anytime:

- 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.

8.7 Delay Damages

871 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.

872 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.

8.8 Suspension of Work

881 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.

882 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.

8.9 Consequences of Suspension

891 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.

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

893 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

91 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.

92 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.

93 Retesting of related works

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

- 9.4.1 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.
- 10.2.5 If a Taking-Over Certificate has been issued for a part of the Works (other than a Section), the delay damages thereafter 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

- 103.1 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.
- 103.2 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.
- 103.3 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.
- 103.4 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 thereafter, 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.

11.92 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.

11.93 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 fulfilment 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.

12.2 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 for such item in the Contractor, 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 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 other 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.

13.14 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.

132 Variation Order Procedure

13.21 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.

13.2.2 Disagreement on Adjustment of the Contract Price

If the Contractor and the Architecture 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 Daywork Prices. If the rates contained in the Bills of Quantities or Dayworks 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 Dayworks 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.

13.2.3 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 any time, 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].

- 1323 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 half (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.

13.3.4 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 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

- 134.1 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.
- 134.2 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 awaiting a response.
- 134.3 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.
- 134.4 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

- 136.1 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, Materials or 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.
- 136.2 The Contractor shall, when required by the Engineer, produce quotations, invoices, vouchers and accounts or receipts in substantiation.

137 Dayworks

- 137.1 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.
- 137.2 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.
- 137.3 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.
- 137.4 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

- 138.1 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.
- 138.2 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.
- 138.3 After receiving this notice, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.
- 138.4 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 amounts 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.

- 1394 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. Forth is 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.
- 1395 In cases 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.
- 1396 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.
- 1397 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.
- 1398 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

14.1 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) any quantities which may be 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 take account of the break down 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 cashflow support, when the Contractor submits a guarantee in accordance with this Clause. The total advance payment, the number and timing of instalments (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 instalment 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.

14.3 Application for Interim Payment Certificates

14.3.1 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].

- 1432 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 instalment) 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 instalments in which the Contract Price will be paid, then unless otherwise stated in this schedule:
- a) The instalments 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 instalments 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 instalments, which shall take account of the extent to which progress is less or more than that on which the instalments 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.
- 145.3 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

1461 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.

1462 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.

1463 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.

14.7 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].

14.7.2 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.

14.8 Delayed Payment

14.8.1 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.

14.8.2 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.

14.8.3 The Contractor shall be entitled to this payment without formal notice and certification, and without prejudice to any other right or remedy.

14.9 Payment of Retention Money

14.9.1 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 behalf (50%) of the proportion calculated by dividing the estimated contract value of the Section or part, by the estimated final Contract Price.

14.9.2 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 behalf (50%) of the proportion calculated by dividing the estimated contract value of the Section by the estimated final Contract Price.

14.9.3 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.

14.9.4 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].

14.9.5 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.

14.102 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 outstanding 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.

14.13.2 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

14.14.1 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].

14.14.2 However, this Sub-Clause shall not limit the Procuring Entity's liability under his indemnification 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 subparagraph (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 Contract 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.

15.7 Corrupt gifts and payments of commission

- 15.7.1 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 there of have been disclosed in writing to the Procuring Entity.
- 15.7.2 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 14.7 [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 fulfilment of the conditions for the Commencement of Works under Sub-Clause 8.1 [Commencement of Works].

1632 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) or (g), the Contractor may by notice terminate the Contract immediately.

1633 The Contractor's election to terminate the Contract shall not prejudice any other rights of the Contractor, under the Contract otherwise.

164 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 what so ever 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.

1722 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.

1723 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.

1724 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 gradation or contamination by radio-activity, 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, trade mark, 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.

- 1753 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.
- 1754 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.

- 18.12 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.
- 18.13 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.
- 18.14 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.
- 18.15 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.
- 18.16 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 affected, 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].
- 18.17 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.
- 18.18 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.
- 18.19 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 Contractor 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.
- 183.2 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.
- 183.3 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

- 184.1 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.
- 184.2 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.
- 184.3 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 lockout 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.

19.2 Notice of Force Majeure

- 19.2.1 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.
- 19.2.2 The Party shall, having given notice, be excused performance of its obligations for so long as such Force Majeure prevents it from performing them.
- 19.2.3 Notwithstanding any other provision of this Clause, Force Majeure shall not apply to obligations of either Party to make payments to the other Party under the Contract.

19.3 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 amount 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.

197 Release from Performance

Notwithstanding 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 fulfil 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.

- 2055 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.
- 2056 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.
- 2057 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.
- 2057 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.
- 2058 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.

20.6 Arbitration with National Contractors

- 2061 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
- 2062 The institution written to first by the aggrieved party shall take precedence over all other institutions.

20.7 Arbitration with Foreign Contractors

- 2071 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.
- 2072 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].

20.8 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.

20.9 Failure to Comply with Arbitrator's Decision

- 2091 The award of such Arbitrator shall be final and binding up on the parties.
- 2092 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	The Procuring Entity is State Department of Housing and Urban Development
Name and Reference No. of the Contract	Heading and 1.1	PROPOSED CONSTRUCTION OF MUMBUNI HEALTH CENTRE IN MWALA CONSTITUENCY, MACHAKOS COUNTY Tender No. MLPWHUD/SDHUD/AHP/760/2024-2025
Engineers Name and address	Heading and 3.1.1	Director, Slum Upgrading Department. State Department for Housing and Urban Development, P.O Box 30119-00100, Nairobi, Kenya
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.	12 Months
Defects Liability Period	1.1	6 months
Defects Notification Period	1.1	30 days
Sections	1.1	<i>If Sections are to be used, refer to Table: Summary of Sections below</i>
Electronic transmission systems	1.3	N/A
Time for the Parties entering into a Contract Agreement	1.6	Within 30 days
Commencement Date	8.1.1	The start date shall be no later than 14 days after possession of site is given
Time for access to the Site	2.1.1	No later than the Commencement Date, and not later than 14 no. days after Commencement Date
Architect Duties and Authority	3.1.6 (b) (ii)	Variations resulting in an increase of the Accepted Contract Amount shall be as guided by the Public Procurement and Asset Disposal Act, 2015 and all amendments thereafter and attendant Regulations.
Performance Security	4.2.1	The performance security will be in the form of a performance bond in the amount(s) of 10% percent of the Accepted Contract Amount and in the same currency(ies) of the Accepted Contract Amount. The Security issued shall be of its full value, and partial/split Securities shall be rejected.
Nominated Sub-Contractors	5.1	<i>Add the following Paragraphs at the end of Sub-clause 5.1:</i> 5.1.1. The provisions governing Provisional Sums under Clause 13.6 shall similarly apply, with necessary modifications, to the Prime Cost Sums included in the contract Bills of Quantities.

Conditions	Sub-Clause	Data
		<p>5.1.2. The nominated sub-contractor shall carry out and complete the sub-contract works in every respect to the reasonable satisfaction of the Contractor and of the Architect and in conformity with all the reasonable directions and requirement of the Contractor.</p> <p>5.1.3. The Contractor and the nominated sub-contractor shall enter into a sub-contract agreement which provides (inter alia):</p> <p>5.1.3.1. That the nominated sub-contractor shall observe, perform and comply with all the provisions of this contract on the part of the Contractor to be observed, performed and complied with so far as they relate and apply to the sub-contract works or to any portion of the same.</p> <p>5.1.3.2. That the nominated sub-contractor shall indemnify the Contractor against the same liabilities in respect of the sub-contract works as those for which the Contractor is liable to indemnify the Procuring Entity under this contract.</p> <p>5.1.3.3. That the nominated sub-contractor shall indemnify the Contractor against claims in respect of any negligence, omission or default of such subcontractor, his servants or agents or any misuse by him or them of any scaffolding or other equipment, and shall insure himself against any such claims and produce the policy or policies and receipts in respect of premiums paid as and when required by either the Architect or the Contractor.</p> <p>5.1.3.4. That the sub-contract works shall be completed within the period or (where they are to be completed in parts) periods therein specified.</p> <p>5.1.3.5. That the Contractor shall not without the written consent of the Architect, grant any extension of time for the completion of the sub-contract works or any section thereof, and that the Contractor shall inform the Architect of any representation made by the nominated sub-contractor as to the cause of any delay in the progress or completion of the sub-contract works or any section thereof.</p> <p>5.1.3.6. That if the nominated sub-contractor shall fail to complete the sub-contract works or (where the sub-contract works are to be completed in sections) any section thereof, within the period therein specified or within any extended time granted by the Contractor with the written consent of the Architect and the Architect certifies in writing to the Contractor that the same ought reasonable so to have been completed, the nominated sub-contractor shall pay or allow to the Contractor either a sum</p>

Conditions	Sub-Clause	Data
		<p>calculated at the rate therein agreed as liquidated damages for the period during which the said works or any section thereof, as the case may be, shall so remain or have remained incomplete or (where no such rate is therein agree), a sum equivalent to any loss or damage suffered or incurred by the Contractor and caused by the failure of the nominated sub-contractor as aforesaid.</p> <p>5.1.3.7. That the Contractor shall retain from the sum directed by the Architect as having been included in the calculation of the amount stated as due in any certificate issued under Clause 14.0 of these conditions in respect of the total value of work, materials or goods executed or supplied by the nominated sub-contractor the percentage of such value named in the Special Conditions (Part A) as the Percentage of Retention.</p> <p>5.1.3.8. That the Procuring Entity, the Architect, and other agents of the Procuring Entity, shall have a right of access to the workshops and other places of the nominated sub-contractor where work is being prepared as provided for in Clause 7.3 of these conditions.</p> <p>5.1.4. The Architect shall direct the Contractor as to the total value of the work, materials or goods executed or supplied by a nominated sub-contractor included in the calculation of the amount stated as due in any certificate issued under clause 14.0 of these conditions and shall forthwith inform the nominated sub-contractor in writing of the amount of the said total value. The sum representing such total value shall be paid by the Contractor within seven days after receipt by the Contractor of the sum to which the Contractor shall be entitled by virtue of the certificate less only;</p> <p>5.1.4.1. Any retention money which the Contract may be entitled to deduct under the terms of the sub-contract, and</p> <p>5.1.4.2. Any sum to which the Contractor may be entitled in respect of delay in the completion of the sub-contract works or any section thereof, and</p> <p>5.1.4.3. Amounts already paid under previous certificates.</p> <p>5.1.4.4. Where applicable, the Architect may, with the consent of the Procuring Entity, certify and authorize payments to Nominated Subcontractors that diverge from the milestones outlined in the Schedule of Payments. Subsequent Certificates shall be adjusted to account for amounts previously certified in the preceding or divergent Certificates.</p> <p>5.1.5. Prior to issuing any Certificate as per Clause</p>

Conditions	Sub-Clause	Data
		<p>14.0 of these conditions, the Architect may require the Contractor to provide reasonable evidence that all amounts included in previous certificates as due to any nominated subcontractor have been appropriately paid. If the Contractor fails to fulfill such a request, the Architect may advise the Procuring Entity to directly pay the owed amount to the relevant nominated subcontractor and deduct it from any sums due or to become due to the Contractor.</p> <p>5.1.6. Should any nominated subcontractor fail to complete the subcontract works within the stipulated period, or within any extended time granted by the Contractor with the written consent of the Architect, the Architect shall certify in writing if completion could reasonably have been expected. Upon issuance, the Architect shall promptly provide a copy of such certification to both the nominated subcontractor and the Procuring Entity.</p> <p>5.1.7. The Contractor may be permitted to tender any of the works for which Prime Cost Sums are included in the contract Bills of Quantities but without prejudice to the Procuring Entity's right to reject the lowest or any tender.</p> <p>5.1.8. If a nominated sub-contractor terminates the sub-contract or the Contractor terminates the sub-contract on the advice of the Architect, the Procuring Entity shall make a further nomination of a sub-contractor as may be necessary to carry out and complete the work left incomplete by the sub-contractor whose employment has been terminated. Any additional costs arising therefrom shall be borne by the Procuring Entity.</p> <p>5.1.9. Notwithstanding the above, the Architect may instruct, with the consent of the Procuring Entity and the Contractor, that the incomplete work shall be executed by the Contractor and such instruction shall be deemed to be a variation to the contract.</p> <p>5.1.10. Provided that where a nominated sub-contractor terminates the sub-contract as a result of a default by the Contractor, or the Contractor terminates the sub-contract without the written advice of the Architect, the Contractor shall be liable to the Procuring Entity for any additional costs arising therefrom.</p> <p>5.1.11. Where a nominated sub-contract provides a defect liability period which extends beyond the Contractor's defects liability period, the Contractor's obligations and liabilities in connection with the defects of the nominated sub-contract shall nevertheless terminate at the end of the Contractor's defects liability period. The remaining portion of the nominated sub-contractor's defects liability period shall be subject to a direct agreement between the Procuring Entity and the nominated sub-contractor and shall not form part of this agreement.</p>

Conditions	Sub-Clause	Data
		<p>5.1.12. Where a sub-contractor is required to give a guarantee or warranty relating to the sub-contract works such guarantee or warranty shall be assigned by the sub-contractor to the Procuring Entity.</p> <p>5.1.13. The employment of a nominated sub-contractor under these conditions shall terminate forthwith upon the termination (for any reason) of the Contractor's employment under the contract.</p> <p>5.1.14. Neither the existence nor the exercise of the foregoing powers nor anything else contained in these conditions shall render the Procuring Entity in any way liable to any nominated sub-contractor.</p>
Delay damages for the Works	8.7 & 14.15(b)	<p>0.05 % of the Contract Price per week or part thereof. <i>If Sections are to be used, refer to Table: Summary of Sections below</i></p>
Maximum amount of delay damages	8.7.1	10% of the final Contract Price.
Provisional Sums	13.6. (b)(ii)	N/A
Adjustments for Changes in Cost	13.9	N/A
Total advance payment	14.2.1	Upto 20% of the Accepted Contract Amount payable in the currencies and proportions in which the Accepted Contract Amount is payable.
Advance Payment Guarantee	14.2.1	<p>The advance payment guarantee will be issued in the prescribed format in the amount of the full value of the Total Advance Payment and in the same currency(ies) of the Advance Payment. The Guarantee issued shall be of its full value, and partial/split Guarantees shall be rejected.</p>
Repayment amortization rate of advance payment	14.2.5 (b)	<p>The amounts to be recovered in each payment certificate shall be computed using the following formula:</p> $R = \frac{A(x^1 - x^{11})}{90 - 30}$ <p>Where; A - Amount of the advance which has been granted.</p> <p>x¹ - The amount of proposed cumulative payments as a percentage of the original amount of the Contract. This figure will exceed 30% but not exceed 90%.</p> <p>x¹¹ - The amount of the previous cumulative payments as a percentage of the original amount of the Contract. This figure will be below 90% but not less than 30%.</p> <p>R - Amount to be reimbursed in current valuation.</p>
Percentage of Retention	14.3.2 (c)	10% of the certified amounts.
Limit of Retention Money	14.3.2 (c)	5% of the Accepted Contract Amount
Plant and Materials	14.5.3(b)(i)	Not applicable
	14.5.3(c)(i)	Not applicable
Minimum Amount of Interim Payment Certificates	14.6.2	5% of the Accepted Contract Amount

Conditions	Sub-Clause	Data
Publishing source of commercial interest rates for financial charges in case of delayed payment	14.8	Shall be in accordance with the prevailing mean commercial lending rate as determined by the Central Bank of Kenya.
Maximum total liability of the Contractor to the Procuring Entity	17.6.2	The product of 1.1 times the Accepted Contract Amount.
Periods for submission of insurance: a. Evidence of insurance. b. Relevant policies	18.1.6	14 days 14 days
Maximum amount of deductibles for insurance of the Procuring Entity's risks	18.2.4 (d)	<i>[Insert maximum amount of deductibles]</i> - N/A
Minimum amount of third-party insurance	18.3.2	<i>[Insert amount of third-party insurance]</i> - N/A
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 - LETTER OF 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 TO AWARD 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 (3) 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. Standstill Period

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

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

Signature: _____

Name: _____

Title/position: _____

Telephone: _____

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 _____ (hereinafter called "the Contract").
2. Furthermore, we understand that, according to the conditions of the Contract, a performance guarantee is required.
3. At the request of the Contractor, we as Guarantor, 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 itself or in a separate signed document accompanying or identifying the demand, stating that the Applicant is in breach of its obligation(s) under the Contract, without the Beneficiary needing to prove or to show grounds for your demand or the sum specified therein.
4. This guarantee shall expire, no later than the.....Day of.....,², 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 instead of Performance Bond due to difficulties involved in calling Bond holder to action]

[Guarantor letterhead or SWIFT identifier code] **Beneficiary:** *[insert name and Address of Procuring Entity]*

Date: _____ *[Insert date of issue]* **PERFORMANCE BOND No.:** _____

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

1. By this Bond _____ as Principal (hereinafter called “the Contractor”) and _____] as Surety (hereinafter called “the Surety”), are held and firmly bound unto _____] as Obligee (hereinafter called “the Procuring Entity”) in the amount of _____ for the payment of which sum well and truly to be made in the types and proportions of currencies in which the Contract Price is payable, the Contractor and the Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.
2. WHEREAS the Contractor has entered into a written Agreement with the Procuring Entity dated the _____ day of _____, 20_____, for _____ in accordance with the documents, plans, specifications, and amendments 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 up to a total not exceeding the amount of this Bond.
4. The Surety shall not be liable for a greater sum than the specified penalty of this Bond.
5. Any suit under this Bond must be instituted before the expiration of one year from the date of the issuing of the Taking-Over Certificate. No right of action shall accrue on this Bond to or for the use of any person or corporation other than the Procuring Entity named 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 _____, 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 up to the limit set forth in the Contract ("the Retention Money"), and that when the Taking-Over Certificate has been issued under the Contract and the first half of the Retention Money has been certified for payment, and payment of *[insert the second half of the Retention Money]* is to be made against a Retention Money guarantee.
3. At the request of the Contractor, we, as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of *[insert amount in figures]* _____ *([insert amount in words _____])*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 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..... ... 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			Indirectly----- ----- % of shares		
	Personal Identification Number (where applicable)					
	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	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(ies)				
	Date of birth [dd/mm/yyyy]				
	Postal address				
	Residential address				
	Telephone number				
	Email address				
	Occupation or profession				
3. e.t .c					

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