

THIS AGREEMENT is made on the 23rd day of July, 2025 BETWEEN the **COMMUNICATIONS AUTHORITY OF KENYA** of P.O. Box 14448-00800 Nairobi (hereinafter "**the Procuring Entity**") of the one part and **INNOVATIVE CITADEL LIMITED**, of P.O Box 525-00517 Nairobi (hereinafter "**the Contractor**") of the other part

WHEREAS the Procuring Entity desires that the Works known as Proposed Fit out and Partitioning works for the Communications Authority of Kenya - Western Regional Office (WRO), at Daima Towers - Eldoret 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 therein,

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 Letter of Acceptance
 - c) the Form of Tender
 - d) the addenda Nos 1 dated April 16th 2025 and No.2 dated April 28th 2025.
 - e) the Special Conditions of Contract
 - f) the General Conditions of Contract;
 - g) the Specifications
 - h) the Drawings; and
 - i) 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.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the Laws of Kenya on the day, month and year specified above.

FOR THE AUTHORITY

FOR THE CONTRACTOR



Signed: **David Mugonyi, EBS**

Title: **Director General**



Signed: **DANIEL KIPCHUMBA**

Title: **DIRECTOR**

WITNESSED BY:

WITNESSED BY:



Signed: **Peter Mwangi**

Title: **Director/SCM**

for:



Signed: **JENTRIX JEPKEMBOI**

Title: **TENDER OFFICER**



AWARD LETTER



Ref. No: CA/SCM/RT/04/2024-2025

June 30th, 2025

Innovative Citadel Limited
P O Box 525-00517
UHURU GARDENS-NAIROBI
Email: info@innovativeconstructionlimited.co.ke
Tel: 0722471796/0700323645

Dear Sir/Madam,

LETTER OF AWARD

TENDER FOR PROPOSED OFFICE FIT OUT AND PARTITIONING WORKS FOR THE COMMUNICATIONS AUTHORITY-WESTERN REGIONAL OFFICE (WRO) AT DAIMA TOWERS-ELDORET - CA/SCM/RT/04/2024-2025

Reference is made to our letter Ref. No:CA/SCM/RT/04/2024-2025, dated June 17th, 2025 regarding Intention to Award the above tender.

We are pleased to inform you that, following the lapse of the fourteen (14) days standstill period, the Authority has awarded you the tender for Proposed Fit out and Partitioning works for the Communications Authority - Western Regional Office (WRO), at Daima Towers-Eldoret at a total cost of **Kenya Shillings Ninety-Seven Million, Forty-One Thousand, Eight Hundred and Seventy-Five (KShs. 97,041,875.00)** only inclusive of levy order and applicable taxes, as tabulated in table below:

Bill No.	Description	Total cost (KShs.)
1.	Particular preliminaries	8,905,000.00
2.	General preliminaries	1,800,000.00
3.	Builders works	
(i)	15 th Floor	27,732,695.00
(ii)	Car Shed	4,015,180.00
4.	Electrical works	
(i)	Electrical Installation Works (Internal wiring and Fittings, Power outlets and points, Fire detection and Alarm System, Cable management System and Relocation of existing Generator)	14,264,150.00
(ii)	ICT System Installation Works (CCTV, Structured cabling and Access Control)	
5.	Mechanical works	
	i) Mechanical Installations Works (Sanitary fittings, Kitchenette equipment, Air conditioning Plumbing & drainage, Fire Extinguisher)	6,324,850.00
6.	Furniture	28,500,000.00
7.	Provisional Sums	5,500,000.00
Total Carried to the form of tender (Kshs.) inclusive of Levy order and 16% taxes		97,041,875.00

CA Centre, Waiyaki Way | P.O Box 14448, Nairobi, 00800, Kenya | T: +254 (20) 4242000
M: 0703 042 000, 0730 172 000 | www.ca.go.ke | info@ca.go.ke | [ca.go.ke](https://www.facebook.com/ca.go.ke)
[f](https://www.facebook.com/ca.go.ke) Communications Authority of Kenya [t](https://www.facebook.com/ca.go.ke) CA_Kenya

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Please note that the error correction factor shall be applied to all contract works (as a rebate or addition as the case may be) for the purposes of valuations for Interim Certificates and valuations of variations. This is in line with requirement A(iii) under financial evaluation Page 35 of the tender document. Your detailed Bills of Quantities as submitted in your bid document shall be used for purposes of such valuations for Interim Certificates and valuations of variations.


Prior to signing the contract, you will be required to provide performance security amounting to 5% of the tender sum. The performance security shall remain valid for thirty (30) days beyond the supply, delivery, installation and commissioning of the services. However, if the period of installation is extended, you shall provide an extension of the performance security.

You shall also furnish the Authority with Beneficial Ownership Information in conformity with the Beneficial Ownership Disclosure Form provided for in the tender document.

The works will be executed under the supervision of **Director/ Human Resources and Administration**.

Please signify your acceptance of this Letter of Award with conditions herein within Seven (7) days from the date of this letter to the undersigned.

Yours Faithfully,


David Mugenyi, EBS
DIRECTOR GENERAL/CEO

ACCEPTANCE LETTER



P o Box 525-00517 uhuru Gardens
0722471796 / 0700323645
info@innovativeconstructionlimited.co.ke/
dancardos007@gmail.com

Our Ref: ICL/CAK/002/2025/Vol.1

Date: June 30th, 2025

The Director General/CEO
Communications Authority of Kenya
CA Centre, Waiyaki Way
P.O. Box 14448-00800,
Nairobi, Kenya

Dear Sir/Madam;

**TENDER FOR PROPOSED OFFICE FIT OUT AND PARTITIONING WORKS FOR THE
COMMUNICATIONS AUTHORITY – WESTERN REGIONAL OFFICE (WRO) AT DAIMA
TOWERS – ELDORET – Tender No. CA/SCM/RT/04/2024-2025**

RE: ACCEPTANCE OF LETTER OF AWARD

We refer to your **Letter of Award dated June 30, 2025, Ref No. CA/SCM/RT/04/2024-2025**, in respect of the above-mentioned tender.

We, **Innovative Citadel Limited**, hereby formally **accept the award** of the contract for the Proposed Office Fit Out and Partitioning Works for the Communications Authority Western Regional Office (WRO) at Daima Towers – Eldoret, at the total sum of **Kenya Shillings Ninety-Seven Million, Forty-One Thousand, Eight Hundred and Seventy-Five (KES 97,041,875.00)** inclusive of all applicable taxes and levies, as itemized in your letter.

We appreciate the opportunity to serve the Communications Authority of Kenya and look forward to a successful project implementation.

Yours faithfully,

**Mr. Daniel Kipchumba,
INNOVATIVE CITADEL LIMITED**

FORM OF TENDER



**INNOVATIVE
CITADEL LTD.**

P o Box 525-00517 uhuru Gardens
0722471796 / 0700323645
info@innovativeconstructionlimited.co.ke/
dancardos007@gmail.com

FORM OF TENDER

Date of this tender submission: 7TH /MAY/ 2025

7/5/25

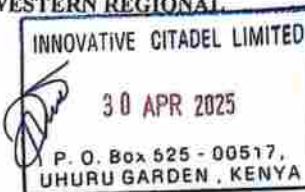
Form
Tender

Request for Tender. **PROPOSED OFFICE FIT OUT AND PARTITIONING
WORKS FOR COMMUNICATIONS AUTHORITY WESTERN REGIONAL
OFFICE (WRO) AT DAIMA TOWERS-ELDORET**
TENDER NO: CA/SCM/RT/09/2024-2025

TO:

**THE DIRECTOR GENERAL
COMMUNICATIONS AUTHORITY OF KENYA
P.O. BOX 14448 NAIROBI – 00800**

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
97,041,875.00.....[Amount in figures] **Ninety Seven Million, Forty One Thousand, Eight Hundred and Seventy Five Only**[amount in words] Kshs
amount in words] Kshs .
The above amount includes foreign currency amount (s) of [state figure or a percentage and currency]**NONE**.....
[figures].....**NONE**..... [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 Architect 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 **31ST December 2025**.....
[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:

7/5/2025
b7/laster

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**INNOVATIVE
CITADEL LTD.**

P o Box 525-00517 uhuru Gardens
0722471796 / 0700323645
info@innovativeconstructionlimited.co.ke/
dancardos007@gmail.com

- I. No reservations. We have examined and have no reservations to the tender document, including Addenda issued in accordance with instructions to Tenderers (ITT28;
- 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 Kenya in accordance with ITT19.8;
- IV. Conformity: We offer to execute in conformity with the tendering documents and in accordance with the construction or service schedule, the following Works:
***PROPOSED OFFICE FIT OUT AND PARTITIONING WORKS FOR
COMMUNICATIONS AUTHORITY WESTERN REGIONAL OFFICE (WRO)
AT DAIMA TOWERS-ELDORET.***
- V. Tender Price: The total price of our Tender is: (name of the Currency
_ 97,041,875.00 _ amount in figures _____ amount in
words _ **Ninety Seven Million, Forty One Thousand, Eight Hundred and Seventy Five Only**
- VI. Discounts: The discounts offered and the methodology for their application are:
- VII. The discounts offered are: [.....NONE.....]
- VIII. The exact method of calculations to determine the net price after application of discounts is.....NONE.....
- 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;



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CITADEL LTD.**

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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 ITT3.4, other than alternative Tenders submitted in accordance with ITT 13.3;

XIII. Suspension and Debarment: We, along with any of our subcontractors, suppliers, consultants, manufacturers, or Service providers for any part of the contract, are not subject to, and not controlled by any entity or individual that is subject to, a temporary suspension or a debarment imposed by the public procurement regulatory authority or any other entity of the entity of the government of Kenya or any international organization.

XIV. State-owned enterprise or institution: We are not a state-owned Enterprise or institution

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:

Name of recipient	Address	Reason	Amount
NONE	NONE	NONE	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 Declaration" attached below.



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info@innovativeconstructionlimited.co.ke/
dancardos007@gmail.com

XX We undertake to adhere by the Code of Ethics for Persons Participating in Public Procurement and Asset Disposal. copy available fromwww.ppra.go.ke..... 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: INNOVATIVE CITADEL LIMITED

Name of the person duly authorized to sign the Tender on behalf of the Tenderer:

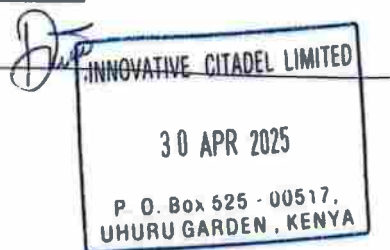
DANIEL KIPCHUMBA

KIPTUM

Title of the person signing the Tender: DIRECTOR

Signature of the person named above: _____

Date signed 7TH day of MAY, 2025



THE CONDITIONS OF CONTRACT AND CONTRACT

1 GENERAL PROVISIONS

1.1 Definitions

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

“Defects Notification Period” means the period for notifying defects in the Works or a Section(as the case 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 are factual and interpretative about the surface and sub-surface condition at 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.

“Test on Completion” means the tests which are specified in the Contract 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

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

- a) In writing and delivered by hand (against receipt), sent by mail or courier, or
transmitted using any of the agreed systems of electronic transmission as stated in the Special Conditions of Contract; and

- b) delivered, sent or transmitted to the address 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 there quest was issued.

132 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

141 The Contract shall be governed by the laws of Kenya.

142 The ruling language of the Contract shall be English.

(a)

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.

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

194 However, if and to the extent that the Architect failure was caused by any error or delay by the Contractor, including an error in, or delay in the submission of, any of the Contractor's Documents, the Contractor shall not be entitled to such extension of time, or costs accrued.

1.10 Procuring Entity's Use of Contractor's Documents

1.10.1 As agreed between the Parties, the Contractor shall retain the copyright and other intellectual property rights in the Contractor's Documents and other design documents made by (or on behalf of) the Contractor.

1.10.2 The Contractor shall be deemed (by signing the Contract) to give to the Procuring Entity a non-terminable transferable non-exclusive royalty-free license to copy, use and communicate the Contractor's Documents, including making and using modifications of them. This license shall:

- a) apply throughout the actual or intended working life (whichever is longer) of the relevant parts of the Works,
- b) entitle any person in proper possession of the relevant part of the Works to copy, use and communicate the Contractor's Documents for the purposes of completing, operating, maintaining, altering, adjusting, repairing and demolishing the Works, and
- c) in the case of Contractor's Documents which are in the form of computer programs and other software, permit their use on any computer on the Site and other places as envisaged by the Contract, including replacements of any computers supplied by the Contractor.

1.10.3 The Contractor's Documents and other design documents made by (or on behalf of) the Contractor shall not, without the Contractor's consent, be used, copied or communicated to a third party by (or on behalf of) the Procuring Entity for purposes other than those permitted under Sub-Clause 1.10.2.

1.11 Contractor's Use of Procuring Entity's Documents

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

1.12 Confidential Details

1.12.1 The Contractor's and the Procuring Entity's Personnel shall ensure confidentiality at all times. The confidentiality shall survive termination or

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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

21 Right of Access to the Site

- 21.1 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.
- 21.2 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].
- 21.3 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.
- 21.4 After receiving this notice, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.
- 21.5 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
- 22.1 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

- b) readily available, and 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 ARCHITECT

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.

3.15 Except as otherwise stated in these Conditions:

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

3.16 The following provisions shall apply:

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

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

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

32 Delegation by the Engineer

32.1 The Architect may from time to time assign duties and delegate authority to

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

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

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

33 Instructions of the Engineer

33.1 The Architect may issue to the Contractor (at anytime) 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

3.5.1 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

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- 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

- 42.1 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.
- 42.2 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.
- 42.3 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.
- 42.4 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.
- 42.5 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.
- 42.6 The Procuring Entity shall return the Performance Security to the Contractor within 14 days after receiving a copy of the Taking-Over Certificate.
- 42.7 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

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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

- 43.1 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.
- 43.2 Unless the Contractor's Representative is named in the Contract, the Contractor shall, prior to the Commencement Date, submit to the Architect for consent the name and particulars of the person the Contractor proposes to appoint as Contractor's Representative. If consent is withheld or subsequently revoked in terms of Sub-Clause 6.9 [Contractor's Personnel], or if the appointed person fails to act as Contractor's Representative, the Contractor shall similarly submit the name and particulars of another suitable person for such appointment.
- 43.3 The Contractor shall not, without the prior consent of the Engineer, revoke the appointment of the Contractor's Representative or appoint another person.
- 43.4 The whole time of the Contractor's Representative shall be given to directing the Contractor's performance of the Contract. If the Contractor's Representative is to be temporarily absent from the Site during the execution of the Works, a suitable replacement person shall be appointed, subject to the Architect prior consent, and the Architect shall be notified accordingly.
- 43.5 The Contractor's Representative shall, on behalf of the Contractor, receive instructions under Sub-Clause 3.3 [Instructions of the Engineer].
- 43.6 The Contractor's Representative may delegate any powers, functions and authority to any competent person, and may at any time revoke the delegation. Any delegation or revocation shall not take effect until the Architect has received prior notice signed by the Contractor's Representative, naming the person and specifying the powers, functions and authority being delegated or revoked.
- 43.7 The Contractor's Representative shall be fluent in the language for communications defined in Sub-Clause 1.4 [Law and Language]. If the Contractor's Representative's delegates are not fluent in the said language, the Contractor shall make competent interpreter available during all working hours in a number deemed sufficient by the Engineer.

44 Sub-contractors

- 44.1 The Contractor shall not subcontract the whole of the Works. The contractor may however subcontract the works as provided in Clause 34.2.
- 44.2 The Contractor shall be responsible for the acts or defaults of any Subcontractor,

his agents or employees, as if they were the acts or defaults of the Contractor.
Unless otherwise stated in the Special Conditions:

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

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

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

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

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

46.3 If, under the Contract, the Procuring Entity is required to give to the Contractor possession of any foundation, structure, plant or means of access in accordance

with Contractor's Documents, the Contractor shall submit such documents to the Architect in the time and manner stated in the Specification.

47 Setting Out of the Works

47.1 The Contractor shall set out the Works in relation to original points, lines and levels of reference specified in the Contractor 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.

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

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

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

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

48 Safety Procedures The Contractor shall:

- a) Comply with all applicable safety regulations,
- b) Take care for the safety of all persons entitled to be on the Site,
- c) Use reasonable efforts to keep the Site and Works clear of unnecessary obstruction so as to avoid danger to these persons,
- d) provide fencing, lighting, guarding and watching of the Works until completion and taking over under Clause 10 [Procuring Entity's Taking Over], and
- e) provide any Temporary Works (including roadways, footways, guards and fences) which may be necessary, because of the execution of the Works, for the use and protection of the public and of owners and occupiers of adjacent land.

49 Quality Assurance

49.1 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.

- 492 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

- 4.121 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.
- 4.122 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 outside 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.

4.15.2 Except as otherwise stated in these Conditions:

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

4201 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.

4202 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.

4203 After this visual inspection, the free-issue materials shall come under the care, custody and control of the Contractor. The Contractor's obligations of inspection, care, custody and control shall not relieve the Procuring Entity of liability for any shortage, defect or default not apparent from a visual inspection.

421 Progress Reports

421.1 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.

421.2 Reporting shall continue until the Contractor has completed all work which is known to be outstanding at the completion date stated in the Taking-Over Certificate for the Works. Each report shall include:

- a) charts and detailed descriptions of progress, including each stage of design (if any), Contractor's Documents, procurement, manufacture, delivery to Site, construction, erection and testing; and including these stages for work by each nominated Subcontractor (as defined in Clause 5 [Nominated Subcontractors]),
- b) photographs showing the status of manufacture and of progress on the Site;
- c) for the manufacture of each main item of Plant and Materials, the name of the manufacturer, manufacture location, percentage progress, and the actual or expected dates of:

- i) commencement of manufacture,
- ii) Contractor's inspections,
- iii) tests, and
- iv) shipment and arrival at the Site;
- d) the details described in Sub-Clause 6.10 [Records of Contractor's Personnel and Equipment];
- e) copies of quality assurance documents, test results and certificates of Materials;
- f) list of notices given under Sub-Clause 2.5 [Procuring Entity's Claims] and notices given under Sub-Clause 20.1 [Contractor's Claims];
- g) safety statistics, including details of any hazardous incidents and activities relating to environmental aspects and public relations; and
- h) comparison so factual and planned progress, with details of any events or circumstances which may jeopardize the completion in accordance with the Contract, and the measures being (or to be) adopted to overcome delays.

422 Security of the Site

Unless otherwise stated in the Special Conditions:

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

423 Contractor's Operations on Site

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

424 Fossils

- 4241 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.
- 4242 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

51 Definition of "nominated Subcontractor"

In this Contract, "nominated Subcontractor" means a Subcontractor:

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

52 Objection to Nomination

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

- a) there are reasons to believe that the Subcontractor does not have sufficient competence, resources or financial strength;
- b) the nominated Subcontractor does not accept to indemnify the Contractor against and from any negligence or misuse of Goods by the nominated Subcontractor, his agents and employees; or
- c) the nominated Subcontractor does not accept to enter into a subcontract which specifies that, for the subcontracted work (including design, if any), the nominated Subcontractor shall:
 - i) undertake to the Contractor such obligations and liabilities as will enable the Contractor to discharge his obligations and liabilities under the Contract;
 - ii) indemnify the Contractor against and from all obligations and liabilities

arising under or in connection with the Contract and from the consequences of any failure by the Subcontractor to perform these obligations or to 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, directly to the nominated Subcontractor, part or all of such amounts previously certified (less applicable deductions) as are due to the nominated Subcontractor and for which the Contractor has failed to submit the evidence described in sub-paragraphs (a) or (b) above. The Contractor shall then repay, to the Procuring Entity, the amount which the nominated Subcontractor was directly paid by the Procuring Entity.

6 STAFF AND LABOR

61 Engagement of Staff and Labor

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

62 Rates of Wages and Conditions of Labor

- 62.1 The Contractor shall pay rates of wages, and observe conditions of labor, which are not lower than those established for the trade or industry where the work is carried out. If no established rates or conditions are applicable, the Contractor

shall pay rates of wages and observe conditions which are not lower than the general level of wages and conditions observed locally by Procuring Entity's whose trade or industry is similar to that of the Contractor.

- 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.

- 6.72 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 what ever is required by this person to exercise this responsibility and authority.
- 6.73 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.
- 6.74 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.
- 6.8 Contractor's Superintendence
- 6.8.1 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:
- Persists in any misconduct or lack of care,
 - Carries out duties in competently or negligently,
 - fails to conform with any provisions of the Contract,
 - persists in any conduct which is prejudicial to safety, health, or the protection of the environment, or
 - based on reasonable evidence, is determined to have engaged in Fraud and Corruption during the execution of the Works.

6.92 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.

616 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.

617 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.

618 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].

619 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.

620 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, retirement, and discipline.

7. PLANT, MATERIALS AND WORKMANSHIP

7.1 Manner of Execution

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



- a) In the manner (if any) specified in the Contract,
- b) in a proper workman like and careful manner, in accordance with recognized good practice, and
- c) with properly equipped facilities and non-hazardous Materials, except as otherwise specified in the Contract.

72 Samples

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

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

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

73 Inspection

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

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

732 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.

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

74 Testing

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

74.2 Except as otherwise specified in the Contract, the Contractor shall provide all apparatus, assistance, documents and other information, electricity, equipment, fuel, consumables, instruments, labor, materials, and suitably qualified and experienced staff, as are necessary to carry out the specified tests efficiently. The Contractor shall agree, with the Engineer, the time and placef ort he specified

testing of any Plant, Materials and other parts of the Works.

- 743 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.
- 744 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.
- 745 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.
- 746 After receiving this notice, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.
- 747 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.
- 75 Rejection
- 75.1 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.
- 752 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.
- 76 Remedial Work

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- 7.6.1 Notwithstanding any previous test or certification, the Architect may instruct the Contractor:
- Remove from the Site and replace any Plant or Materials which is not in accordance with the Contract,
 - remove and re-execute any other work which is not in accordance with the Contract, and
 - execute any work which is urgently required for the safety of the Works, whether because of an accident, unforeseen able event or otherwise.

7.6.2 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).

7.6.3 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.

7.6.4 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:

- When it is incorporated in the Works;
- 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:

- Natural materials obtained from outside the Site, and
- 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 have 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.

8.12 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].

8.13 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].

8.3 Programme

8.3.1 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 a supporting report which includes
 - i) a general description of the methods which the Contractor intends to adopt, and of the major stages, in the execution of the Works, and
 - ii) details showing the Contractor's reasonable estimate of the number of

each class of Contractor's Personnel and of each type of Contractor's Equipment, required on the Site for each major stage.

832 Unless the Engineer, within 14 days after receiving a programme, gives notice to the Contractor stating the extent to which it does not comply with the Contract, the Contractor shall proceed in accordance with the programme, subject to his other obligations under the Contract. The Procuring Entity's Personnel shall be entitled to rely upon the programme when planning their activities.

833 The Contractor shall promptly give notice to the Architect of specific probable future events or circumstances which may adversely affect the work, increase the Contract Price or delay the execution of the Works.

834 If, at anytime, the Architect gives notice to the Contractor that a programme fails (to the extent stated) to comply with the Contractor to be consistent with actual progress and the Contractor's stated intentions, the Contractor shall submit a revised programme to the Architect in accordance with this Sub-Clause.

84 Extension of Time for Completion

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.

842 If the Contractor considers itself to be entitled to an extension of the Time for Completion, the Contractor shall give notice to the Architect in accordance with Sub-Clause 20.1 [Contractor's Claims]. When determining each extension of time under Sub-Clause 20.1, the Architect shall review previous determinations and may increase, but shall not decrease, the total extension of time.

85 Delays Caused by Authorities

If the following conditions apply, namely:

- a) The Contractor has diligently followed the procedures laid down by the relevant legally constituted public authorities in Kenya,
- b) These authorities delay or disrupt the Contractor's work, and

- c) the delay or disruption was Unforeseeable, then this delay or disruption will be considered as a cause of delay under sub-paragraph (b) of Sub-Clause 8.4 [Extension of Time for Completion].

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

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

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

8.9 Consequences of Suspension

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

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

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

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

8.10 Payment for Plant and Materials in Event of Suspension

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

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

8.11 Prolonged Suspension

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

8.12 Resumption of Work

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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 f from the Architect tan 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 Testson 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 carryout the Tests on Completion within the period of 21 days, the Procuring Entity's Personnel may proceed with the Test sat 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

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

10 PROCURING ENTITY'S TAKING OVER

101 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 Contract or 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.

102 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.

1023 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.

1024 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 Contractor agreed by the Contractor, the Contractor shall (i) give notice to the Architect and (ii) be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to payment of any such accrued costs, which shall be included in the Contract Price. After receiving this notice, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine this accrued cost.

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

103 Interference with Tests on Completion

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.

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

- 1033 If the Contractor suffers delay and/or incurs Cost as a result of this delay in carrying out the Tests on Completion, the Contractor shall give notice to the Architect and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to:
- a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and
 - b) payment of any such accrued costs, which shall be included in the Contract Price.

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

104 Surfaces Requiring Reinstatement

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

11 DEFECTS LIABILITY

11.1 Completion of Outstanding Work and Remedying Defects

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

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

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

11.2 Cost of Remedying Defects

- 11.2.1 All work referred to in sub-paragraph (b) of Sub-Clause 11.1 [Completion of Outstanding Work and Remedying Defects] shall be executed at the risk and cost of the Contractor, if and to the extent that the work is attributable to:

- a) Any design for which the Contractor is responsible,
- b) Plant, Materials or workmanship not being in accordance with the Contract, or
- c) Failure by the Contractor to comply with any other obligation.

- 11.2.2 If and to the extent that such work is attributable to any other cause, the Contractor shall be notified promptly by (or on behalf of) the Procuring Entity, and Sub-Clause 13.3 [Variation Procedure] shall apply.

113 Extension of Defects Notification Period

113.1 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.

113.2 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.

114 Failure to Remedy Defects

114.1 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.

114.2 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.

115 Removal of Defective Work

If the defect or 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.

116 Further Tests

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

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

11.7 Right of Access

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

11.8 Contractor to Search

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

11.9 Completion Certificate

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

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

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

11.10 Unfulfilled Obligations

After the Completion Certificate has been issued, each Party shall remain liable for the 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.

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11.11 Clearance of Site

- 11.11.1 Upon receiving the Completion Certificate, the Contractor shall remove any remaining Contractor's Equipment, surplus material, wreckage, rubbish and Temporary Works from the Site.
- 11.11.2 If all these items have not been removed within 30 days after receipt by the Contractor of the Completion Certificate, the Procuring Entity may sell or otherwise dispose of any remaining items. The Procuring Entity shall be entitled to be paid the costs incurred in connection with, or attributable to, such sale or disposal and restoring the Site.
- 11.11.3 Any balance of the moneys from the sale shall be paid to the Contractor. If these moneys are less than the Procuring Entity's costs, the Contractor shall pay the outstanding balance to the Procuring Entity.

12 MEASUREMENT AND DEVALUATION

12.1 Works to be Measured

- 12.1.1 The Works shall be measured, and valued for payment, in accordance with this Clause. The Contractor shall show in each application under Sub-Clauses 14.3 [Application for Interim Payment Certificates], 14.10 [Statement on Completion] and 14.11 [Application for Final Payment Certificate] the quantities and other particulars detailing the amounts which he considers to be entitled under the Contract.
- 12.1.2 Whenever the Architect requires any part of the Works to be measured, reasonable notice shall be given to the Contractor's Representative, who shall:
 - a) promptly either attend or send another qualified representative to assist the Architect in making the measurement, and
 - b) supply any particulars requested by the Engineer.
- 12.1.3 If the Contractor fails to attend or send a representative, the measurement made by the Architect shall be accepted as accurate.
- 12.1.4 Except as otherwise stated in the Contract, wherever any Permanent Works are to be measured from records, these shall be prepared by the Engineer. The Contractor shall, as and when requested, attend to examine and agree the records with the Engineer, and shall sign the same when agreed. If the Contractor does not attend, the records shall be accepted as accurate.
- 12.1.5 If the Contractor examines and disagrees the records, and/ or does not sign them as agreed, then the Contractor shall give notice to the Architect of the respects in which the records are asserted to be inaccurate. After receiving this notice, the Architect shall review the records and either confirm or vary them and certify the payment of the undisputed part. If the Contractor does not so give notice to the Architect within 14 days after being requested to examine the records, they shall be accepted as accurate.

122 Method of Measurement

Except as otherwise stated in the Contract:

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

123 Evaluation

123.1 Except as otherwise stated in the Contract, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine the value of work one 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: (*corrected tender price – tender price*) / *tender price* X 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.

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

13.2 Variation Order Procedure

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

- a) A description of work, if any, to be performed and a programme for its execution, and the Contractor's proposals for any necessary modifications to the Programme according to Sub-Clause

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- 8.3 or to any of the Contractor's obligations under the Contract, and
- b) 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.

132 Disagreement on Adjustment of the Contract Price

If the Contractor and the Architect are unable to agree on the adjustment of the Contract Price, the adjustment shall be determined in accordance with the rates specified in the Bills of Materials or Schedule of Daywork Prices. If the rates contained in the Bills of Materials or Daywork 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 Daywork 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 Work 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 financial 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.

133 Contractor to Proceed

On receipt of a Variation Order, the Contractor shall forthwith 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 13.3.

133 Value Engineering

- 133.1 The Contractor may, at anytime, submit to the Architect written proposal which (in the Contractor's opinion) will, if adopted, (i) accelerate completion, (ii) reduce the cost to the Procuring Entity of executing, maintaining or operating the Works, (iii) improve the efficiency or value to the Procuring Entity of the completed

Works, or
(iv) otherwise be of benefit to the Procuring Entity.

- 1332 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.
- 13.4 Variation Procedure for Value Engineering proposal
- 1341 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.
- 1342 The Architect shall, as soon as practicable after receiving such proposal (under Sub-Clause 13.2 [Value Project Engineering] or otherwise), respond with approval, disapproval or comments. The Contractor shall not delay any work whilst a waiting a response.
- 1343 Each instruction to execute a Variation, with any requirements for the recording of Costs, shall be issued by the Architect to the Contractor, who shall acknowledge receipt.

13.4.4 Each Variation shall be evaluated in accordance with Clause 12 [Measurement and Evaluation], unless the Architect instructs or approves otherwise in accordance with this Clause.

13.5 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.

13.6 Provisional Sums

13.6.1 Each Provisional Sum shall only be used, in whole or in part, in accordance with the Architect instructions, and the Contract Price shall be adjusted accordingly. The total sum paid to the Contractor shall include only such amounts, for the work, supplies or services to which the Provisional Sum relates, as the Architect shall have instructed. For each Provisional Sum, the Architect May instruct:

- a) Work to be executed (including Plant, 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.

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

13.7 Day works

13.7.1 For work of a minor or incidental nature, the Architect may instruct that a Variation shall be executed on a daywork basis. The work shall then be valued in accordance with the Daywork Schedule included in the Contract, and the following procedure shall apply. If a Daywork Schedule is not included in the Contract, this Sub-Clause shall not apply.

13.7.2 Before ordering Goods for the work, the Contractor shall submit quotations to the Engineer. When applying for payment, the Contractor shall submit invoices, vouchers and accounts or receipts for any Goods.

13.7.3 Except for any items for which the Daywork Schedule specifies that payment is

not due, the Contractor shall deliver each day to the Architect accurate statements induplicate which shall include the following details of the resources used in executing the previous day's work:

- a) The names, occupations and time of Contractor's Personnel,
- b) the identification, type and time of Contractor's Equipment and Temporary Works, and
- c) the quantities and types of Plant and Materials used.

13.7.4 One copy of each statement will, if correct, or when agreed, be signed by the Architect and returned to the Contractor. The Contractor shall then submit priced statements of these resources to the Engineer, prior to their inclusion in the next Statement under Sub-Clause 14.3 [Application for Interim Payment Certificates].

13.8 Adjustments for Changes in Legislation

13.8.1 The Contract Price shall be adjusted to take account of any increase or decrease in Cost resulting from a change in the Laws of Kenya (including the introduction of new Laws and the repeal or modification of existing Laws) or in the judicial or official governmental interpretation of such Laws, made after the Base Date, which affect the Contractor in the performance of obligations under the Contract.

13.8.2 If the Contractor suffers (or will suffer) delay and/or incurs (or will incur) additional Cost as a result of these changes in the Laws or in such interpretations, made after the Base Date, the Contractor shall give notice to the Architect and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to:

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

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

13.8.4 Notwithstanding the foregoing, the Contractor shall not be entitled to an extension of time if the relevant delay has already been taken into account in the determination of a previous extension of time and such Cost shall not be separately paid if the same shall already have been taken into account in the indexing of any inputs to the table of adjustment data in accordance with the provisions of Sub-Clause 13.8 [Adjustments for Changes in Cost].

13.9 Adjustments for Changes in Cost

13.9.1 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.

13.9.2 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

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Amount shall be deemed to have included a mounts to cover the contingency of other rises and falls in costs.

- 1393 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:

$$P = A + B I_m/I_o$$

where:

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

A and B are recoefficients **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

- 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 Incases where the “currency of index” is not the relevant currency of payment, each index shall be converted into the relevant currency of payment at the selling rate, established by the Central Bank of Kenya, of this relevant currency on the above date for which the index is required to be applicable.
- 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

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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

141 The Contract Price

14.1.1 Unless otherwise stated in the Special Conditions:

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

142 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

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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.

1424 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.

1425 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.

1426 If the advance payment has not been repaid prior to the issue of the Taking-Over Certificate for the Works or prior to termination under Clause 15 [Termination by Procuring Entity], Clause 16 [Suspension and Termination by Contractor] or Clause 19 [Force Majeure] (as the case may be), the whole of the balance then outstanding shall immediately become due and in case of termination under Clause 15 [Termination by Procuring Entity], except for Sub-Clause 14.2.7 [Procuring Entity's Entitlement to Termination for Convenience], payable by the Contractor to the Procuring Entity.

143 Application for Interim Payment Certificates

143.1 The Contractor shall submit a Statement (in number of copies indicated in the Special Conditions of Contract) to the Architect after the end of each month, in a form approved by the Engineer, showing in detail the amounts to which the Contractor considers itself to be entitled, together with supporting documents which shall include thereon 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 Contractor 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.
- 145.4 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.
- 145.5 The currencies for this additional amount shall be the same as those in which payment will become due when the contract value is included under sub-

paragraph (a) of Sub-Clause 14.3 [Application for Interim Payment Certificates]. At that time, the Payment Certificate shall include the applicable reduction which shall be equivalent to, and in the same currencies and proportions as, this additional amount for the relevant Plant and Materials.

146 Issue of Interim Payment Certificates

- 146.1 No amount will be certified or paid until the Procuring Entity has received and approved the Performance Security. Thereafter, the Architect shall, within 30 days after receiving a Statement and supporting documents, deliver to the Procuring Entity and to the Contractor an Interim Payment Certificate which shall state the amount which the Architect fairly determines to be due, with all supporting particulars for any reduction or withholding made by the Architect on the Statement.
- 146.2 However, prior to issuing the Taking-Over Certificate for the Works, the Architect shall not be bound to issue an Interim Payment Certificate in an amount which would (after retention and other deductions) be less than the minimum amount of Interim Payment Certificates (if any) stated in the Special Conditions of Contract. In this event, the Architect shall give notice to the Contractor accordingly.
- 146.3 An Interim Payment Certificate shall not be withheld for any other reason, although:
- a) if anything supplied or work done by the Contractor is not in accordance with the Contract, the cost of rectification or replacement may be withheld until rectification or replacement has been completed; and/or
 - b) if the Contractor was or is failing to perform any work or obligation in accordance with the Contract, and had been so notified by the Engineer, the value of this work or obligation may be withheld until the work or obligation has been performed.

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

147 Payment

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

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in the Contract.

148 Delayed Payment

148.1 If the Contractor does not receive payment in accordance with Sub-Clause 14.7 [Payment], the Contractor shall be entitled to receive financing charges (simple interest) monthly on the amount unpaid during the period of delay. This period shall be deemed to commence on the date for payment specified in Sub-Clause 14.7 [Payment], irrespective (in the case of its sub-paragraph (b) of the date on which any Interim Payment Certificate is issued.

148.2 These financing charges shall be calculated at the annual rate of three percentage points above the mean rate of the Central Bank in Kenya of the currency of payment, or if not available, the inter bank offered rate, and shall be paid in such currency.

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

149 Payment of Retention Money

149.1 When the Taking-Over Certificate has been issued for the Works, the first half of the Retention Money shall be certified by the Architect for payment to the Contractor. If a Taking-Over Certificate is issued for a Section or part of the Works, a proportion of the Retention Money shall be certified and paid. This proportion shall be half (50%) of the proportion calculated by dividing the estimated contract value of the Section or part, by the estimated final Contract Price.

149.2 Promptly after the latest of the expiry dates of the Defects Liability Periods, the outstanding balance of the Retention Money shall be certified by the Architect for payment to the Contractor. If a Taking-Over Certificate was issued for a Section, a proportion of the second half of the Retention Money shall be certified and paid promptly after the expiry date of the Defects Notification Period for the Section. This proportion shall be half (50%) of the proportion calculated by dividing the estimated contract value of the Section by the estimated final Contract Price.

149.3 However, if any work remains to be executed under Clause 11 [Defects Liability], the Architect shall be entitled to withhold certification of the estimated cost of this work until it has been executed.

149.4 When calculating these proportions, no account shall be taken of any adjustments under Sub-Clause 13.7 [Adjustments for Changes in Legislation] and Sub-Clause 13.8 [Adjustments for Changes in Cost].

149.5 Unless otherwise stated in the Special Conditions, when the Taking-Over Certificate has been issued for the Works and the first half of the Retention Money has been certified for payment by the Engineer, the Contractor shall be entitled to substitute a Retention Money Security guarantee, in the form annexed to the Special Conditions or in another form approved by the Procuring Entity and

issued by a reputable bank or financial institution selected by the Contractor, for the second half of the Retention Money.

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

14.10 Statement at Completion

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

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

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

14.11 Application for Final Payment Certificate

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

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

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

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

14.12 Discharge

When submitting the Final Statement, the Contractor shall submit a discharge

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

1413 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.

1414 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 in demnification obligations, or the Procuring Entity's liability in any case of fraud, deliberate default or reckless misconduct by the Procuring Entity.

1415 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

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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, incompetently for or in executing the Contract.

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

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

157 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 do or for having done or for borne to do any act in relation to the obtaining or execution of this or any other Contract for the Procuring Entity or for showing or for bearing to show favor or disfavor to

any person in relation to this or any other contract for the Procuring Entity.

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

15.72 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

161 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.

163 Termination by Contractor

- 163.1 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].

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

163.3 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 pay to the Contractor the amount of any loss or damage sustained by the Contractor as a result of this termination.

17. RISK AND RESPONSIBILITY

17.1 Indemnities

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

- a) Bodily injury, sickness, disease or death, of any person whatsoever arising out of or in the course of or by reason of the Contractor's design (if any), the execution and completion of the Works and the remedying of any defects, unless attributable to any negligence, willful act or 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 act or 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

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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 gradiation 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.

1743 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.

1752 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 ingested 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 rights (without the rights to sub-license) to use the know how and other technical information disclosed to the contract 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.

176 Limitation of Liability

- 176.1 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 in director 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].
- 176.2 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.
- 176.3 This Sub-Clause shall not limit liability in any case of fraud, deliberate default or reckless misconduct by the defaulting Party.

177 Use of Procuring Entity's Accommodation/Facilities

- 177.1 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).
- 177.2 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

181 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 Contractor 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-

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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].

1825 If, more than one year after the Base Date, the cover described in sub-paragraph (d) above ceases to be available at commercially reasonable terms, the Contractor shall (as insuring Party) give notice to the Procuring Entity, with supporting particulars. The Procuring Entity shall then (i) be entitled subject to Sub-Clause 2.5 [Procuring Entity's Claims] to payment of an amount equivalent to such commercially reasonable terms as the Contractor should have expected to have paid for such cover, and (ii) be deemed, unless he obtains the cover at commercially reasonable terms, to have approved the omission under Sub-Clause 18.1 [General Requirements for Insurances].

183 Insurance against Injury to Persons and Damage to Property

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

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

19.12 Force Majeure may include, but is not limited to, exceptional events or circumstances of the kind listed below, so long as conditions (a) to (d) above are satisfied:

- a) war, hostilities (whether war be declared or not), invasion, act of foreign enemies,
- b) rebellion, terrorism, sabotage by persons other than the Contractor's Personnel, revolution, insurrection, military or usurped power, or civil war,
- c) riot, commotion, disorder, strike or lock out by persons other than the Contractor's Personnel,
- d) munitions of war, explosive materials, ionizing radiation or contamination by radio-activity, except as may be attributable to the Contractor's use of such munitions, explosives, radiation or radio-activity, and
- e) natural catastrophes such as earthquake, hurricane, typhoon or volcanic activity.

192 Notice of Force Majeure

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.

193 Duty to Minimize Delay

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

194 Consequences of Force Majeure

19.4.1 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 an other 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/

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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.

20.16 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.

20.17 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.

20.18 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.

20.19 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.

20.2 Procuring Entity's Claims

20.2.1 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.

2022 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.

2023 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].

2024 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.

- 2052 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.
- 2053 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.
- 2054 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 there numeration of each or all the members of Arbitration shall be mutually agreed upon by the Parties when agreeing the terms of appointment. Each Party shall be responsible for paying one-half of this remuneration.
- 206 Arbitration with National Contractors
- 206.1 If the Contracts 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

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

20.7 Arbitration with Foreign Contractors

20.7.1 Arbitration with foreign contractors shall be conducted in accordance with the arbitration rules of the United Nations Commission on International Trade Law (UNCITRAL); or with proceedings administered by the International Chamber of Commerce (ICC) and conducted under the ICC Rules of Arbitration; by one or more arbitrators appointed in accordance with said arbitration rules.

20.7.2 The place of arbitration shall be a location specified in the SCC; and the arbitration shall be conducted in the language for communications defined in Sub-Clause 1.4 [Law and Language].

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

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

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

20.10 Contract operations to continue

Notwithstanding any reference to arbitration herein,

- 1.1.1 the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and the Procuring Entity shall pay the Contractor any monies due the Contractor.

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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.

Part A - Contract Data

Conditions	Sub-Clause	Data
Procuring Entity's name and address	Heading	DIRECTOR GENERAL, COMMUNICATIONS AUTHORITY OF KENYA
Name and Reference No. of the Contract	Heading and 1.1	PROPOSED OFFICE FIT OUT AND PARTITION WORKS FOR CA WESTERN REGIONAL OFFICE (WRO) AT DAIMA TOWERS-ELDORET- CA/SCM/RT/04/2024-2025
Engineer's Name and Address	Heading and 3.1.1	Works Secretary, State Department for Public Works, P.O Box 30743 – 00100, Nairobi Telephone: +254-02723101 Facsimile: 020-2713750
Location of site		Daima Towers 15 th Floor In Eldoret Along Eldoret Malaba Road
Contractor's Representative's Name	4.3.1	DANIEL KIPCHUMBA KIPTUM PO BOX 525-00517 UHURU GARDEN KENYA EMAIL: info@innovativeconstruct.com ; dancardos007@gmail.com
Key personnel names	16.9.1	(As proposed in the Contractor's Original Tender)
Time for completion	1.1	Twenty Four (24) Weeks After Start Date
Defects notification period	1.1	WITHIN A DAY
Sections	1.1	None
Electronic submission systems	1.3	Shall NOT BE Applicable
Time for the parties entering into a contract agreement	1.6	Within 30days
Commencement date	8.1.1	To be agreed with the Project Manager
Time for access to the site	2.1	The Site Possession Date Shall be as AGREED WITH THE PROJECT MANAGER
Architect duties and authority	3.1.6(b)(ii)	Variation resulting in an increase of the accepted contract amount shall require approval of the procuring entity

Conditions	Sub-Clause	Data
Performance security	4.2.1	The performance security will be in the form of bank guarantee in the amount(s) of 5% (percent) of the contract amount and in the same currency (ies) of the accepted contract amount
Normal working hours	6.5	Normal working hours shall be 8:00 a.m. to 5:00 p.m. on weekdays, including lunch break from 1.00 p.m. to 2.00 p.m. and 8:00 a.m. to 1:00 pm on Saturdays, with Sunday being set aside as a day of rest.
Delay damages for the work	8.7 & 14.15(b)	0.001% of the contract price per day
Maximum amount of delay damages	8.7.1	5% of the final contract price
Adjustments for Changes in Cost	13.9	The Price Adjustment Clause <u>Shall Not</u> apply
Total advance payment	14.2.1	Advance shall NOT be granted
Repayment amortization rate of advance payment	14.2.5 (b)	NOT APPLICABLE
Percentage of Retention	14.3.2 (c)	10 %
Limit of Retention Money	14.3.2 (c)	5 % of the Accepted Contract Amount
Plant and Materials	14.5(b)(i)	Plant and Materials for payment when delivered to the Site
	14.5(C)(i)	Plant and Materials for payment when delivered
Minimum Amount of Interim Payment Certificates	14.6	As per Valuation
Periods for submission of insurance: a. evidence of insurance. Relevant policies	18.1.6	<u>14</u> days
Maximum amount of deductibles for insurance of the Procuring Entity's risks	18.2.4 (d)	<i>As per applicable laws</i>
Minimum amount of third- party insurance	18.3	<i>As per applicable laws</i>
The place of arbitration	20.7.2	Nairobi, Kenya.

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THE SPECIFICATIONS - BILLS OF QUANTITIES

A. BUILDERS WORK

ITEM	DESCRIPTION	QTY	UNIT
A	ELEMENT 01.		
	DEMOLITIONS		
	DEMOLITIONS AND ALTERATIONS		
	The items of demolitions and removal shall include shoring making good disturbed areas to match existing and loading and carting away debris unless otherwise specified.		
B	Doors		
	Carefully take down existing mahogany panelled single doors to create space for lactation room (1NO)		ITEM
	Walling		
	Carefully demolish the existing masonry walling to creat space for lactation room and cart away debris(Approx.30sm).		ITEM

ITEM	DESCRIPTION	QTY	UNIT
A	ELEMENT 02.		
	PARTITIONS (ALL PROVISIONAL)		
	Dry Wall Partitions		
	Frameless glass Partitions		
	Powder coated aluminium standard U section sections to B.S.4873: channels		
	mitred at corners including reinforcing cleats: All framing complete with		
	fixing accessories such as bolts, nuts, screws etc. lugs and softwood packing		
	piece for fixing the frame to walls or concrete: all to approval colours		
	12 mm thick frameless toughened glass with window film fixed to aluminium U channels with rubber gaskets (m/s) in panes 0.5 to 3.0 square meters	342	SM
	50 x 12mm Thick approved rubber lining to aluminium U framing (m/s)	232	LM
	Window film fixed to the toughened glass; all to Project Manager's details.	342	SM
	76 x 1.4 mm thick U-shaped aluminium channel screwed to floor by 75mm long rawbolts	115	LM
F	Gypsum Drywall Partitions		
	100mm Thick composite gypsum drywall partitions comprising of double skin	335	SM
	12.5mm gypsum board panels butt jointed with scrim joint filler and taped finish including skimming with gypsum plaster, all to Project Manager's detail.		
	75 x 50 x 4mm galvanized iron section uprights and horizontally at 600mm centres, all assembled and fixed together as free-standing partition; all to Project Manager's detail.	1,340	LM
J	75 mm thick rock wool infill sound proofing with a nominal density 120 Kg/m3to the double skin gypsum board panels	335	SM

	Masonry wall Partitions		
	200mm thick approved load bearing machine dressed stone walling in cement and sand(1:3) mortar and reinforced with 25x3mm thick hoop iron in every alternate courses	74	SM
	75 x 25 mahogany struts section uprights and horizontally Fixed to 8mm thick laminated glass at 100mm centres, all assembled and fixed together as free- standing partition; all to Project Manager's detail.	85	SM

ITEM	DESCRIPTION	QTY	UNIT
	<u>ELEMENT 03.</u>		
	<u>DOORS.</u>		
	<u>Supply and fix 12mm toughened armour frameless glass door including floor spring,waterproofing all joints using approved approved glazing strips and silicon sealing compounds complete with all necesary iron mongery</u>		
A			
B	Double door overall size 1500 x 2400mm high	1	NO.
C	Single door overall size 900 x 2400 mm high	13	NO.
	Double leaf Sliding door overall size 1800 x 2400mm high	1	NO
D	<u>50mm thick mahogany 6No. Panelled standard door including 900x1000mm high fixed wooden louvres of 100x25mm thick wooden blade fixed on 100 x 50 mm mahogany frame (Ms)</u>		
E	Single door size 900 x 2400mm high	2	NO.
	<u>45 mm thick single leaf solid core flush door faced both sides with 6mm thick mahogany veneer and hardwood lipped all round</u>		
F	Door size size 900 x 2400mm high	2	NO.
G	<u>Fire rated or other equal and approved :-</u>		
H	Door size size 900 x 2400mm high	1	NO
J	<u>Wrot Mahogany or other equal and approved :-</u>		
K	100mm x 50mm Frame with two labours plugged	16	LM
L	45 x 38mm architrave	16	LM
M	25mm diameter quadrant	16	LM
	<u>Prepare and apply three coats polyurethane varnish to:</u>		
N	General surfaces of timber	25	SM
P	Surfaces between 200mm to 300mm girth	4	LM
Q	Ditto not exceeding 100mm girth	32	LM
R	<u>Ironmongery complete with all matching screws</u>		
S	Cylinder lock lock for aluminium door complete with furnitures	13	NO.
	Polished stainless steel escutcheon with concealed fixing and complete with furnitures	3	NO.
	Rubber door stops with satin chrome finish	16	NO.
	100mm brass butt hinge	5	PRS

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	Door closer as Briton CAT No. 200	16	NO.
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ITEM	DESCRIPTION	QTY	UNIT
	<u>ELEMENT 04.</u>		
	<u>FINISHES.</u>		
	<u>Floor Finishes.</u>		
A	<u>Screed: cement and sand 1:3 with approved integral dust proofing additive.</u>		
B	28mm Thick to receive granito floor tiles.	474	SM
C	32mm Thick to receive ceramic floor tiles.	73	SM
	30mm Thick to receive carpet tiles	135	SM
D	<u>Approved matt non-slip granitto tiles:"Sai Ceramics" or other equal and approved pattern: bedded on screed (m/s) with an approved adhesive, jointed and flush pointed with grouting to match tile to including all spacers and expansion joints</u>		
	600 x 600 x 12mm Thick to floors.	474	SM
E	<u>Approved matt non-slip Ceramic tiles:"Sai Ceramics" or other equal and approved pattern: bedded on screed (m/s) with an approved adhesive, jointed and flush pointed with grouting to match tile to including all spacers and expansion joints</u>		
	300 x 300 x 8mm Thick to floors.	73	SM
F	<u>Supply and fix high qualityv carpet tiles with dense varn: high fade resistance with 100% solutiondyed nylon suitable for heavv commercial usage: varn weight with minimum 1.2kg/m2 and total weight equal orabove 2.5 kg/m2:</u>		
G	<u>electrostatic propennsity less than2.0kv: prepare surface and lay complete with underlav as per manufacturers printed instructions allow for and brass</u>		
H	<u>knaplocks as necessary or as directed: on cement and sand screed (ms) all to Architect's approval</u>		
J	10mm Thick carpet tiles to the floor finish	135	SM
	<u>Skirting.</u>		
	25 x 100mm high wrot mahogany skirting.	305	LM
	Aluminium primer on back of timber n.e 100mm girth	152	LM
	Prepare and apply one coat of NC sanding sealer followed by two coats of 2 pack clear polyurethane varnish to surfaces of timber skirting exceeding 100mm but n.e 200mm girth	305	LM

ITEM	DESCRIPTION	QTY	UNIT
	<u>Wall Finishes.</u>		
A	<u>15mm Thick cement and sand render of mix 1:3 to:-</u>		
	Masonry wall surfaces	149	SM
B	<u>Prepare the surface,skim and apply one universal under coat and two finishing coats of approved Easy Clean Vinyl Matt Emulsion to:</u>		
	Surfaces of gypsum boards.	670	SM
C	<u>Prepare the surface, skim and apply one universal under coat and two</u>		

	<u>finishing coats of approved 1st quality emulsion paint to:</u>		
	Masonry wall surfaces	149	SM
D	<u>Prepare the surface, skim and apply one priming coat, one basecoat in silk emulsion paint and one top coat/finishing coat of special effect "Metallica" paint in approved shades to the Interior Designer's detail.</u>		
E	Sides of the existing walls, beams and columns	350	SM
F	<u>Prepare the surface, skim and apply one universal under coat and two finishing coats of approved 1st quality textured paint to:</u>		
G	Surfaces of gypsum boards	234	SM
	<u>Wall timber padding :-</u>		
	25mm Thick Medium Density Fibre (MDF) Boards, wall facings screwed to wall	64	SM
H	<u>Render: cement and sand (1:3)</u>		
J	14mm thick one coat backings; wood floated to receive ceramic tiles (m/s) to concrete or blockwork base; to walls internal	240	SM
	<u>Approved matt non-slip Ceramic tiles: "Sai Ceramics" or other equal and approved pattern: bedded on screed (m/s) with an approved adhesive, jointed and flush pointed with grouting to match tile to including all spacers and expansion joints</u>		
	250 x 300 x 6mm Thick to walls.	240	SM
	<u>Blinds</u>		
	Supply and fix 'Hunter Douglas' or other equal and approved hunting green colour Venetian blinds system with high quality horizontal louvers with opening and closing mechanism as per manufacturer's specifications subject to approval of sample by Project Manager	184	SM

ITEM	DESCRIPTION	QTY	UNIT
	<u>Ceiling Finishes.</u>		
A	<u>9mm Thick Rhinooard gypsum ceiling fixed to galvanized mild steel framework suspended 600mm from concrete above with mild steel angle sections, perimeter channels, primary support channels, strap hangers, connecting clips, mahogany timber supports etc: butt jointed with scrim joint filler and taped finish: allowing for stepped ceiling areas where necessary: including skimming with gypsum plaster including forming and curved cuttings; all to Architect's detailed drawings</u>		
B	Ceilings not exceeding 3.50 metres high.	205	SM
C	150 x 25 mm Decorative Cornice with two labours	358	LM
D	<u>Prepare and apply one universal under coat and two finishing coats of approved Easy Clean Vinyl Matt Emulsion to:</u>		
E	Gypsum ceiling surfaces	205	SM
	Surfaces over 100mm - 200mm girth	358	LM
	<u>Suspended acoustic ceiling</u>		
	Armstrong fissured "MINATONE" suspended acoustic ceiling comprising 600 x		

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F	600 x 15mm thick panels, K4C4 Bev., "TATRA" patern laid on m/s DONN PRODUCTS INC. imported, concealed 'Z' suspension system 600mm below slab, both panels and suspension FIRE RATED and panels to have guaranteed "SOUND ABSORPTION CO-EFFICIENT; all as supplied an approved supplier	682	SM
G	<u>Medium Density Fibre</u> 25mm Thick veneered Medium Density Fibre (MDF) Boards, wall facings computerised Numerical Control grooved in patern laid on timber branderling 600mm below slab, panels to be FIRE RATED and have guaranteed "SOUND ABSORPTION CO-EFFICIENT; all as supplied an approved supplier <u>Plexiglass acrylic sheet</u> Plexiglass acrylic sheet to the ceiling comprising 600 x 600 x 10mm thick panels patern laid on m/s DONN PRODUCTS INC. imported, concealed 'Z' suspension system 600mm below slab, both panels and suspension FIRE RATED and panels to have guaranteed "SOUND ABSORPTION CO-EFFICIENT; all as supplied an approved supplier	54 43	SM SM

ITEM	DESCRIPTION	QTY	UNIT
	<u>ELEMENT 05.</u>		
	<u>FITTINGS & FIXTURES</u>		
A	<u>Kitchen Worktops</u>		
	<u>Blockwork</u>		
	100 mm thick reinforced with hoop iron at alternate courses approved local natural stone walling; chisel dressed both sides; bedding, jointing and pointing in cement sand (1:3) mortar		
B		4	SM
C	<u>Plain concrete class 20/20 as described in: -</u>		
	100mm thick plinth	6	SM
D	75mm thick suspended worktop	5	SM
	<u>Fabric; B.S. 4483</u>		
E	Reference A98 mesh 200 x 200 mm , weight 2.22 kgs per square meter (measured		
F	net - no allowance made for laps(including bends, tying wire and distance blocks	5	SM
G	<u>Sawn formwork to insitu concrete as described:-</u>		
	To soffits of suspended worktop	5	SM
H	Edges of suspended worktop, 75 to 150mm wide	10	LM
J	Edges of plinth ditto	10	LM
	<u>12mm thick cement sand (1:3) screed. steel trowelled as described in: -</u>		
K	Concrete or blockwork base to walls; internal	8	SM
	<u>Granite top</u>		
	20mm thick; butt joints both ways; to cement sand base (m/s); to floors level; internal	4	SM
L	Skirtings; 100mm wide; rounded junction with wall finish and straight junction with floor finish.		
M		6	LM
N	<u>High level shelves and cabinets comprising of :25mm thick veneered MDF board 25mm thick x 600mm high veneered MDF board shutters:MDF bearers</u>		
P	<u>and fixing brackets : all iron mongerv and accessories: all iron mongerv and accessories :all to Architect's detailed drawings</u>		

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Q	High level cupboard size 5200mm long x 300mm deep x 3000 high	1	NO
	High level cupboard size 5600mm long x 300mm deep x 3000 high	1	NO
R	High level cupboard size 7000mm long x 300mm deep x 3000 high	1	NO
	High level cupboard size 6800mm long x 300mm deep x 3000 high	1	NO
	High level cupboard size 2800mm long x 300mm deep x 3000 high	1	NO
	<u>Low level storage cabinet of: 25mm thick x 700mm laminated MDF board</u>		
	<u>shutters MDF bearers and fixing brackets; all iron mongery and accessories;</u>		
	<u>painting and decorations</u>		
	Low level cupboards size 7500mm long x 300mm deep x 900 high	2	NO

B. CAR SHADE

ITEM	DESCRIPTION	QTY	UNIT
A	<u>BILL NO.4</u>		
	<u>CAR SHED</u>		
	<u>ELEMENT NO. 1</u>		
	<u>SUBSTRUCTURES (ALL PROVISIONAL)</u>		
B	<u>Excavations</u>		
C	Excavate trenches for strip foundations and column bases not exceeding 1.5m from reduced level.		
		152	CM
D	Extra over excavations for excavating in hard rock at any depth	42	CM
E	<u>Disposal of excavated materials</u>		
F	Fill in and ram approved stabilised material	46	CM
	Load surplus excavated material and cart away	96	CM
G	<u>Planking and Strutting</u>		
H	Allow for Planking and strutting to sides of all excavations including keeping excavations free from fallen materials		Item
	<u>Disposal of Water</u>		
J	Allow for keeping excavation free from all water by pumping, bailing or otherwise		Item
	<u>Hardcore filling</u>		

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ITEM	DESCRIPTION	QTY	UNIT
	300 mm thick fillings, rolled, levelled and compacted in 150mm layers to make up levels	29	CM
	50mm stone dust blinding to surfaces of hardcore	98	SM
	<u>Damp Proof Membrane</u>		
	Single layer of 1000 gauge polythene sheeting laid on blinded hardcore with 150 mm side laps to receive concrete	98	SM

ITEM	DESCRIPTION	QTY	UNIT
	<u>Anti- termite treatment</u>		
A	Treat surface of hardcore with 'Dieldrin' or similar approved ant-termite solution applied strictly in accordance with the manufacturer's instructions	98	SM
	<u>Concrete work</u>		
	<u>Plain concrete class 15(1:3:6) in :-</u>		
B	50mm Concrete blinding to strip foundations	58	SM
	<u>Vibrated Reinforced concrete class 20 in :-</u>		
C	Strip foundations	10	CM
D	150 mm thick ground floor slab	42	SM
	<u>Supply and fix steel bar reinforcement including bending, hooking, tying wire, cutting spacers and supporting all in position</u>		
	<u>High yield square twisted bar reinforcement to B.S. 4661 as described</u>		
E	Assorted Sizes	1,657	KG
	<u>Steel fabric mesh reinforcement to B.S. 4483</u>		
F	BRC mesh fabric reinforcement ref A142 (weighing 2.44kg/m2) laid in ramp (measured net-no allowance made for lamps)	98	SM
	<u>Sawn formwork to: -</u>		
	Vertical Sides of strip footing	48	SM

G	Vertical edges of slab 75 -150 mm high	102	LM
H	50mm quarry dust blinding	62	SM
J	80mm thick heavy standard interlocking cabros	62	SM
K	250 x 125mm P.C. Kerbs	25	LM
L			

ITEM	DESCRIPTION	QTY	UNIT
	<u>Masonry</u>		
	<u>Medium chisel dressed natural stone walling bedded in cement and sand mortar as before described</u>		
A	200 mm Thick walling	52	SM
	<u>Cement/sand (1:3)</u>		
B	12mm Thick external rendering to plinth surfaces finished smooth with a wood float	22	SM
C	Prepare and apply two coats of bituminous paint to rendered surfaces externally	22	SM

ITEM	DESCRIPTION	QTY	UNIT
	<u>ELEMENT NO.2</u>		
	<u>STEEL STRUCTURE</u>		
	<u>The following in RHS including all necessary cuttings,drilling,weldings,grinding, fixing cleats, stopped ends,fixing bolts , one coat red oxide primer before fixing and in 2 no finishing coats of gloss oil paint on completion</u>		
	150 X 100 X 4 mm Thick Steel Posts	102	LM
A	4500 mm High overall purpose made wall railing comprising 50 x 50 x 3 mm thick RHS frames at 150 mm centers on both ways,welded to the steel posts	32	SM
B			

ITEM	DESCRIPTION	QTY	UNIT
	<u>ELEMENT NO. 3</u>		
	<u>ROOFING AND RAINWATER DISPOSAL</u>		

	(All provisional)		
	The following in RHS including all necessary, cuttings, drilling, weldings, grinding, fixing cleats, stopped ends, fixing bolts, one coat red oxide primer before fixing and in 2 no finishing coats of gloss oil paint on completion		
	<u>Structural Steel</u>		
A	150 X 50 X 3 mm Thick Z purlins	126	LM
B	150 X 50 X 3 mm Thick Rafters	47	LM
C	350 X 200 X 6 mm Thick Base Plates	15	NO
D	Extra over 100 x 50 mm purlins for moulded ends	24	LM
E	100 x 50 X 3mm Wall plates plugged/bolted	72	LM
	<u>Roof coverings</u>		
	Galvanized steel "IT5" roof sheets as Mabati Rolling Mills" or equal approved; 26 gauge; prepainted		
F	Roof covering; 150mm laps on one end and one and a half corrugation side lap; fixed to Z purlins with and including J-bolts, nut and neoprene washers.	147	SM

ITEM	DESCRIPTION	QTY	UNIT
	<u>ELEMENT NO. 4</u> <u>Eaves Finishes</u>		
A	24 gauge mild steel high fascia board	72	LM
B	100 x 50mm bearer	64	LM
C	100 x 25mm steel plugged, screwed and pelleted to steel posts	71	LM
	<u>Rainwater Disposal</u>		
D	24 gauge mild steel rainwater gutter fixed to timber fascia (m.s) with bracket supports at 600mm centres	32	LM
E	24 gauge mild steel galvanized rainwater downpipes size 75 x 75mm fixet walls with and including holderbats at 1200mm centres	36	LM
	<u>Extra - over for</u>		

ITEM	DESCRIPTION	QTY	UNIT
F	Swan-neck, 600mm long	10	NO
G	Bends	10	NO
H	Rainwater anti-splash shoe	10	NO
	<u>Painting</u>		
	<u>Prepare and apply one coat primer and two finishing coats of "egg shell" paint to;</u>		
J	Metal surfaces over 200mm but not exceeding 300mm girth	285	LM

ITEM	DESCRIPTION	QTY	UNIT
	<u>ELEMENT NO. 5</u>		
	<u>DOORS</u>		
	<u>Roller Shutter Steel Doors</u>		
A	Roller shutter steel overall size 3500 x 3600mm high	4	NO
	<u>Prepare and apply one coat primer and two finishing coats of "egg shell" paint to;</u>		
B	Door surfaces (measured flat both sides)	8	SM
C	Surfaces not exceeding 100mm girth	20	LM
D	Ditto but exceeding 200mm but not exceeding 300mm girth	10	LM



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C. ELECTRICAL WORKS**ELECTRICAL, STRUCTURED CABLING, CCTV & ACCESS CONTROL
SYSTEM INSTALLATION WORKS****BILL No. 1:**

ITEM	DESCRIPTION	QTY	UNIT
1	Discrepancies clause 1.02		
2	Conditions of sub-contract Agreement clause 1.03		
3	Payments clause 1.04		
4	Site location clause 1.06		
5	Scope of Contract Works clause 1.08		
6	Extent of the Contractor's Duties clause 1.09		
7	Firm price contract clause 1.12		
8	Variation clause 1.13		
9	Prime cost and provisional sum clause 3.14 (insert profit and attendance which is a percentage of expended PC or provisional sum.)		
10	Bond clause 1.15		
11	Government Legislation and Regulations clause 1.16		
12	Import Duty and Value Added Tax clause 1.17 (Note this clause applies for materials supplied only. VAT will also be paid by the sub-contractor as allowed in the summary page)		
13	Insurance company Fees clause 1.18		
14	Provision of services by the Main contractor clause 1.19		
15	Samples and Materials Generally clause 1.21		

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ITEM	DESCRIPTION	QTY	UNIT
16	Supplies clause 1.20		
17	Bills of Quantities clause 1.23 Contractor's Office in Kenya clause 1.24		
18	Builder's Work clause 1.25		
19	Setting to work and Regulating system clause 1.29 Identification of plant components clause 1.30 Working Drawings clause 1.32		
20	Record Drawings (As Installed) and Instructions clause 1.33		
21	Maintenance Manual clause 1.34 Hand over clause 1.35		
22	Painting clause 1.36		
23	Testing and Inspection – manufactured plant clause 1.38		
24	Testing and Inspection – Installation clause 1.39 Storage of Materials clause 1.41		
25	Initial Maintenance clause 1.42		
26			
27			

ITEM	DESCRIPTION	QTY	UNIT	RATE
29	Local and other Authorities notices and fees clause 1.60			
30	Temporary Works clause 1.63			
31	Patent Rights clause 1.64			
32	Mobilization and Demobilization Clause 1.65			
33	Extended Preliminaries Clause 1.66 (see Appendix - clause 1.70)			
34	Supervision by Engineer and Site Meetings Clause 1.67	1	Item	100,000

ITEM	DESCRIPTION	QTY	UNIT	RATE
35	Allow for profit and Attendance for the above			
36	Amendment to Scope of Sub-contract Works Clause 1.68			
37	Contractor obligation and Employers Obligation clause 1.69.			

BILL No. 2: ELECTRICAL INSTALLATION WORKS

Item	Description	Qty	Unit
	SUPPLY, DELIVER, INSTALL, TEST AND COMMISSION THE FOLLOWING:- LIGHTING POINTS AND SWITCHES		
1.00a	Carefully remove, store and arrange for handing over to client all existing electrical fittings and accessories.	1	Item
1.01	Lighting points wired in 3 x 1.5mm ² PVC/SC CU cables drawn in 20mmØ surface mounted HG/PVC conduits complete with all necessary accessories but excluding switches for:-		
	i) One way switching	250	No.
	ii) Two way switching	120	No.
1.02a	10A, moulded plastic ivory white switch plates as MK/Schneider or approved equivalent as follows:-		
	i) One gang two way	1	No.
	ii) Two gang two way	1	No.
	iii) Three gang two way	1	No.
	iv) Four gang two way	1	No.
1.02b	10A, moulded ivory white architrave switch plates as MK/Schneider Range or approved equivalent as follows:-		
	i) One gang two way	3	No.
	ii) Two gang two way	3	No.
	iii) Three gang two way	7	No.
1.02c	10A, metal clad with Satin Chrome finish switch plates as MK/Schneider Range or approved equivalent as follows:-		
	i) One gang two way	6	No.
	ii) Two gang two way	3	No.
	iii) Three gang two way	9	No.
	iv) Four gang two way	12	No.
1.03	Lighting fittings complete with lamps of appropriate wattage and colour rendering and fixing materials as follows:-		
	i) Type A	25	No.
	ii) Type A1	9	No.
	iii) Type D	165	No.
	iv) Type E4	35	No.
	v) Type E4E	15	No.
	vi) Type L	505	LM
	vii) Type P	6	No.
	viii) Type P1	3	No.
	ix) Type TL	3	No.
		4	No.

Item	Description	Qty	Unit
	x) Type S1	5	No.
	xi) Type W	2	No.
	xii) Type Z		

Item	Description	Qty	Unit
1.04	Self-contained single sided EXIT sign with 8W fluorescent lamp for non-maintained emergency lighting for 3 hour duration as Thorn EF X3 or approved equivalent.	4	No.
	POWER POINTS		
1.05	Raw power socket outlet power points comprising wiring in 3 x 2.5mm ² PVC/SC CU cables drawn in 25mmØ concealed HG PVC conduits/trunking including all conduit accessories but excluding plates	95	No.
1.06	13A moulded switched socket outlet plates as MK or approved equivalent as follows:		
	i) Single switched	1	No.
	ii) Twin switched	10	No.
1.06b	13A metal clad with Satin Chrome finish switched socket outlet plates as MK or approved equivalent as follows:		
	i) Single switched	3	No.
	ii) Twin switched	71	No.
1.07	13A Non-Standard switched socket outlet plates (RED in colour) with neon light complete with universal multiplug as MK or approved equivalent as follows:		
	ii) Twin switched	10	No.
1.11	Undersink instantaneous water heater power points comprising wiring in 3 x 2.5mm ² PVC/SC/CU cables drawn in 25mmØ concealed HG PVC conduits	2	No.
1.13	Air Conditioning Unit power points comprising wiring in 3 x 4mm ² PVC/SC CU cables drawn in 32mmØ concealed HG PVC conduits	9	No.
1.14	20A DP control switch with neon light and cord outlet for items above as MK or approved equivalent	4	No.
1.14b	20A metal clad with Satin Chrome finish, DP control switch with neon light and cord outlet for items above as MK or approved equivalent	7	No.
1.15	Fan power points comprising wiring in 3 x 2.5 mm ² PVC/SC/CU cables drawn in 25mmØ surface HG PVC conduits	1	No.
1.16	20A, Speed control faceplate with rotary knob and cord outlet for item above as PANASONIC or approved equivalent	1	No.

Item	Description	Qty	Unit
1.19	Cooker Unit power points comprising wiring in 3x6mm ² PVC/SC/CU cables		

	drawn in 32mm diameter HG/PVC conduit complete with all necessary accessories	1	No.
1.20	45A Cooker control unit complete with 13A socket outlet and pilot lamps as MK or approved equivalent.	1	No.
1.21	Fire alarm control panel power points comprising wiring in 3 x 4.0mm ² PVC/SC CU cables drawn in 25mmØ concealed HG PVC conduits including all conduit accessories but excluding plates	1	No.
1.22	20A, unswitched fused spur DP control switch with neon light and cord outlet for item above as MK or approved equivalent	1	No.
1.23	Ceiling mounted PIR Occupancy switch (Presence / lux level detector as Schnider or Approved Equivalent:(Busch watchdog presence detector for ceiling mounting)	8	No.
1.45	i) Power points comprising wiring in 3 x 4.0mm ² PVC/SC/CU cables drawn in trunking for the serverroom equipment	2	No.
	ii) 25A, 2P+E industrial surface mounting straight plug/ angled plug as Legrand or approved equivalent	2	No.
	iii) 25A, 4P+E industrial surface mounting straight plug/ angled plug as Legrand or approved equivalent	2	No.
	iv) 45A, 2P+E industrial surface mounting straight plug/ angled plug as Legrand or approved equivalent	2	No.
	FIRE ALARM SYSTEM		
1.24	Fire Alarm points comprising wiring in 1.5mm ² heat resistant cables drawn in 20mmØ concealed HG PVC conduits	17	No.
1.25	Addressable Photoelectric Smoke Detector as Menvier or Approved Equivalent	32	No.
1.26	Addressable Rate of Rise Heat Detector as Menvier or Approved equivalent	1	No.
1.27	Addressable Ressetable Fire Alarm call points c/w reset keys as MENVIER or approved equivalent.	2	No.
1.28	Addressable Electronic Fire Alarm sounder complete with Red Flashing beacon as MENVIER or approved equivalent.	4	No.
1.29	Microprocessor based 1 loop Addressable Fire Alarm Control Panel as Menvier or Approved Equivalent (Provisional)	1	No.

Item	Description	Qty	Unit
	DATA/TELEPHONE/TELEVISION & ACCESS CONTROL		
1.30	50 X 25mm - single compartment, gauge 16 sheet Deep Powder coated metal trunking complete with angled cover section, end covers and all other accessories	50	LM
1.31	200 X 50mm - 2 compartment, gauge 16 sheet Deep Powder coated metal trunking complete with bends, outlet plates and other necessary accessories As Manufactured by Power Technics	280	LM
1.32	Data/Telephone outlet points comprising 25mmØ concealed HG PVC conduits complete with draw wire.	53	No.

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1.33	Television cord outlet points comprising 25mmØ HG PVC conduits complete with wiring in 75-Ohm Coaxial cable and T.V co-axial socket outlet as M.K or Approved Equivalent	17	No.
1.34	250x250x75mm recessed galvanised sheet steel draw boxes complete with powder coated cover and all other necessary accessories	5	No
1.35	C.C.T.V points comprising draw wire in concealed 20mm Ø HG PVC Conduits all emanating from the server room/security office	10	No.
1.36	Access control points comprising draw wire in concealed 20mm Ø HG PVC Conduits all emanating from the server room/security office	10	No.
1.37	2x25mmØ PVC HG conduit linking the Draw Boxes	90	LM
1.38	2x50mmØ PVC HG conduit linking the Draw Boxes	80	LM
1.39	Bosch GLM 40 Laser Measure Bosch 0601072900	1	No
1.39a	Floor mounted pedestal for workstations capable of accomodating 4No. Data/Telephone points & complete with 4No. Twin switched socket outlet points fabricated and finished to engineers specifications.	11	No.
1.39b	Floor mounted box for workstations capable of accomodating 4No. Data/Telephone points & complete with 4No. Twin switched socket outlet points fabricated and finished to engineers specifications.	5	No.

Item	Description	Qty	Unit
	<u>POWER DISTRIBUTION</u>		
	Supply, Install, Test and Commission the following Distribution Boards as Eaton or approved equivalent		
	RAW POWER DISTRIBUTION BOARDS		
1.40	8 Ways, TPN surface mounted Distribution Board complete with 125A integral isolator as Schneider/Eaton or approved equivalent complete with all accessories but excluding MCBs.	1	No.
1.41	As "detto" but 100A, 4-Way, TPN DB	1	No.
1.42	SP Miniature circuit breakers for the distribution boards above		
	i) 10A SP MCB	10	No.
	ii) 20A SP MCB	12	No.
	iii) 30A SP MCB	5	No.
	iv) 25A TP MCB	1	No.
	v) 45A SP MCB	1	No.
	vi) 63A TP MCB	1	No.
	vii) TP blanking plates	2	No.
	SUB-MAINS & FEEDER CABLES		
1.43	10 mm ² 4-C PVC/SWA/PVC copper cable to DB above c/w appropriate cable lugs	30	Lm
	i) Cable glands for above cable	2	No.
1.43	16 mm ² 4-C PVC/SWA/PVC copper cable to DB above c/w appropriate cable		

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	lugs		
	i) Cable glands for above cable	1	Lm
1.43	150x75mm, 14SWG cable tray c/w mounting row bolts and all other necessary accessories to approval	1	No.
		100	Lm
1.44	Allow for labelling the distribution boards under this section including all the incoming and outgoing circuits as per the specifications		
		1	Item
1.45	Allow for bonding of the entire cable tray & trunking system complete with all necessary accessories to Engineer's approval		
		1	Item
	UPS & OUTDOOR AC POWER SUPPLY		
1.46	10 mm ² 4-C PVC/SWA/PVC copper cable from DB to server room power D.B's c/w appropriate cable lugs		
		30	Lm
	i) Cable glands for above cable		
	ii) 100A TPN Adjustable MCCB for above cable	4	No.
	iii) 100A TPN metalclad Isolator	2	No.
	iv) 63A TP UPS manual bypass switch wall mounted c/w all other necessary accessories	2	No.
		1	No.

BILL No. 3 - IP CCTV SYSTEM INSTALLATION

Item	Description	Qty	Unit
	Supply, Install, Test, integration and Commission the following as described in the specifications:		
1.01	Outdoor, IP POE, Vandal resistant Dome camera as described in the technical specifications of this document and complete with housing, appropriate mounting brackets and all other accessories to engineers approval	9	No.
1.02	As detto but Bullet camera	2	No.
1.03	1M RJ45-RJ45 Cat 6A UTP factory terminated patch cord as Siemens or approved equivalent to be used at work station.	12	No
1.04	Cat 6A (or latest) UTP 4-pair cable as Siemens or approved equivalent laid between cabinet and work station.	900	M
1.05	LED HD panel display 65" as described in the technical specifications of this document complete appropriate mounting brackets and all other accessories to approval	1	No.
1.06	Operator workstation hardware/Desktop computer complete with software as described in particular specifications complete with necessary accessories	1	Item
1.07	16channels IP Network video recorder with PoE as described in the technical specifications of this document and complete with all necessary accessories to engineers approval	1	No.

1.08	Provide telecommunication earth including fuses lighting arrestors and frame earthing to engineers approval	1	Item
1.09	45A High voltage surge protector as Sollateck or approved equivalent	1	No.
1.11	AMPCOM 12 in 1 Professional Portable Network Tool Kit Ethernet LAN Maintenance	1	No.
1.12	Allow for providing working drawings before onset of the installation of the CCTV system (3 sets)	1	Item
1.14	Allow for providing operation & maintainance manuals and "as built" drawings after complete installation of the CCTV system (5 sets)	1	Item
1.15	Provisional Sum of Kshs. One Hundred Thousand (100,000.00) only for CPD Training for SDPW Electrical engineers	1	Item
1.16	Any other items necessary to complete the above installation as per the system you propose to install. Please list the items, price and include in your totals		

BILL No. 4 - STRUCTURED CABLING WORKS

Item	Description	Qty	Unit
	Supply, Install, Test, integration and Commission the following as described in the specifications:		
1.0	<u>Horizontal Data Cabling</u>		
1.2	1M RJ45-RJ45 Cat 6A (or latest) UTP factory terminated patch cord as Siemons or approved equivalent to be used in cabinet.	110	No.
1.4	Cat 6A (or latest) UTP 4-pair cable as Siemons or approved equivalent laid between cabinet and work station.	6600	M
1.5	3M RJ45-RJ45 Cat 6A (or latest) UTP factory terminated patch cord as Siemons or approved equivalent to be used at work station.	60	No.
1.6	5M RJ45-RJ45 Cat 6A (or latest) UTP factory terminated patch cord as Siemons or approved equivalent to be used at work station.	50	No.
1.7	RJ45 Cat 6A (or latest) UTP (Dual) outlet complete with faceplate and labeling system as Siemons or approved equivalent.	55	No.
2.0	<u>Network Cabinet</u>		
2.1	36HU free standing metal cabinet/ with glass door complete with Cable Managers, fans, power outlet points, grounding kits and castors. The data cabinet to be complete with 1No. APC Power Distribution Units (PDU) to accommodate power for the active devices to engineers approval	1	No.
2.2	As "detto" but 22U	1	No.

Item	Description	Qty	Unit
2.3	2U WM series rack mount cable managers/organizers and as Siemon or approved equivalent	4	No.
2.4	48 port RJ45 cat 6A (or latest) patch panel for UTP termination as Siemens B1:B15 or approved equivalent	2	No.
2.5	As "detto" but 24Port	2	No.
2.0	<u>Active Components</u>		
2.1	48 Port Managed Gigabit Ethernet Switch with PoE plus (at least 800W) and 2 SFP Ports as CISCO catalyst switch 9300 Series (<i>currently available in the market and being supported by Cisco</i>) or approved equivalent	2	No.
2.2	As "detto" but 24Port	2	No.
2.3	Supply, install and configure wall/ceiling mounted dual band Wireless Indoor long range Access Point with Wi-Fi 802.11a/g/n/ac high power wireless technology and virtual management controller software package and is PoE to cover at least 50M radius complete with antennae, power adaptor and all accessories as Cisco Aironet 1815 series or an approved equivalent.	5	No.
2.5	Allow for interlinking the active Components	1	Item

Item	Description	Qty	Unit
	Total C/F from previous page		
3.0	Backbone Cabling		
3.1	8 core multi mode Fibre Optic Cable complete with all accessories for backbone cabling to the server room. (Provisional Length)	30	Lm.
3.2	24 Port Fiber Optic back bone distribution Patch Panel for both the incoming fiber cable and for reticulation. The panel is to be waterproof, complete with all accessories and as cisco, siemon or approved equivalent.	1	No
3.3	SFP Fibre modules as Cisco or approved equivalent (Compatible with existing building fibre infrastructure)	3	No.
3.4	SC-SC Dual Fibre optic patch cords complete with connectors	2	No.
3.5	Cable Ties and Self Adhesive Labels for Cable Labelling	1	Item
4.00	<u>NETWORK CONTROL</u>		
	supply install and connect the following complete with SC connectors, SC couplers, blanking plate all terminations and accessories		

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4.10	4 Port Gigabit Router, AC-IP integrated service router with 4 10/100/1000Mbps built in routed ports As Cisco 4451 (<i>currently available in the market and being supported by Cisco</i>) or approved equivalent	1	No
4.20	Core switch complete with 4 port fibre card, supervisor engine7, redundant power supply, 4 port 10 Gigabit copper card ports complete with accessories as described in the particular specifications and As Cisco 4506-E (<i>currently available in the market and being supported by Cisco</i>) or approved equivalent (provide rate only)	0	No
4.21	As "detto" but 2 Port Gigabit Core switch (provide rate only)	0	No
4.30	Earthing the system at the Cabinet level	1	Item
4.40	240V, 50Hz,2500VA, UPS, Rack Mountable, with USB and Serial Port as APC or an approved equivalent. (provide rate only)	0	No.
4.50	Laptop Core i7, 8GB Memory, 1TB HDD + 8GB SSD Storage, 15.6" Full HD 1080p Display, NVIDIA GeForce GTX 960M 4 GB GDDR5 as Dell Inspiron i7559 or approved equivalent	1	No.
4.60	Any other items necessary to complete the structured cabling satisfactorily. (List and give quantities of the items) a)..... b)..... c)..... d)..... e).....	1	Item

Item	Description	Qty	Unit
5.00	<u>TELEPHONE INSTRUMENTS</u> <i>Supply, install, test and commission the following. To be compatible with the existing SIEMENS brand model & HiPak 4000 system solution.</i>		
1.1	Conference PoE-enabled IP telephone handset complete with device licence as Siemen (Provisional - To be supplied only as per requirement on site)	1	No.
1.2	Executive PoE-enabled IP telephone handset complete with Camera for video calls and device licence as Siemen (Provisional - To be supplied only as per requirement on site)	4	No.
1.3	Business PoE-enabled IP telephone handset complete with device licence as Siemen (Provisional - To be supplied only as per requirement on site)	6	No.
1.4	Standard PoE-enabled IP telephone handset complete with device licence as Siemen (Provisional - To be supplied only as per requirement on site)		

		10	No.
2.0	Allow for terminating, testing and Labeling all circuits.	1	Item
3.0	Allow for samples inspection and approvals by the Electrical Engineers at the contractor's yard/site or storage before delivery on site as well as various testing and commissioning of the installed system by the Electrical Engineers	1	Item
4.0	Any other items necessary to complete the Telephony system works satisfactorily. (List and give quantities of the items) a)..... b)..... c)..... d)..... e).....	1	Item

BILL No. 5: ACCESS CONTROL SYSTEM INSTALLATION

Item	Description	Qty	Unit
	Supply, install, test and commission the following.		
4.01	Software module for access control with Time and attendance capabilities and with ability to be integrated with CCTV system and compatible with the access control system to be supplied	1	Item
4.02	TCP/IP enabled Door input controller unit with twenty input and two output complete with power unit as described in particular specifications	1	No.
4.03	Heavy duty 500Kg- Force magnetic door lock	10	No.
4.04	IP67 RFID Card Reader, 125kHz & 13.56MHZ Card Reader, Wiegand Interface, 12-digit Keypad, as described in particular specifications	5	No.
4.05	Multi-discipline biometric time and attendance reader (BMTA), Supports RS485 and TCP/IP. Supports both 125kHz & 13.56MHz, finger, card and pin authentication as Suprema BioStation 2 or equal and approved equivalent	5	No.
4.06	A sturdy door exit button/switch	10	No.
4.07	Access control door Power supply module/ units with battery and charger for Battery Backup as specified in particular specifications	1	No.
4.08	Mortise door lock cylinder c/w non duplicatable keys for each door, capable of operating the lock when power is available or not	10	No.
4.09	Emergency Break glasses	10	No.
4.10	Biometric Finger Print & Cards Enrolment Reader/station	1	No.
4.11	Heavy duty door-closers as UNION, YALE or approved equivalent	1	No.
4.12	Smart card containing photograph of individual employees as specified in particular specifications	100	No.
4.13	Cat 6 UTP 4-pair screened cable as Siemons pulled from the door controllers to the PoE switch	900	M
4.14	Wire the entire access control system using 12 core 1.5mm ² fire resistant cable.		

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4.15	Allow for full graphic customization and programming of the installed system.	800	M
4.15	Allow for samples inspection and approvals by the Project Electrical Engineers at the contractor's yard/site or storage before delivery on site as well as various testing and commissioning of the installed system by the Electrical Engineers	1	
		1	Item
4.16	Interface kit to the computer from the door controllers		Item
4.17	Allow for providing working drawings before onset of the installation of the access control system (3 sets)	1	No.
		1	
4.18	Allow for providing operation & maintainance manuals and "as built" drawings after complete installation of the access control system (5 sets)		Item
4.20	Any other items necessary to successfully complete the above installation as per the system you propose to install. Please list the items and price	1	Item
	a)	1	
	b)		Item
	c)		

D. MECHANICAL WORKS

SCOPE OF WORKS

The works to be carried out under this sub-contract comprise Supply, installation, testing and commissioning of the following: -

Plumbing and Drainage Installation works BROCHURES FOR DEVICES

For consideration and qualification tenderers shall, at their own cost, provide colored manufacturer's brochures detailing technical literature and specifications where applicable.

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:

i. Galvanized Steel Pipework

Galvanized steel pipe works 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.

ii. 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.

iii. Cpvc piping

PVC (polyvinyl chloride) that has been chlorinated via a free radical chlorination reaction. CPVC is produced by adding chlorine to PVC in a water slurry or fluidized bed chlorination process. The chlorination reaction is initiated by ultraviolet light. The chlorinated PVC is compounded with ingredients necessary for the desired properties for further processing. The chlorine added to PVC gives CPVC higher temperature performance and improved fire and corrosion resistance.

Should conform to ASTM D2846 standard and ASTM F441 Standard for chlorinated poly vinyl chloride pipes.

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 to prevent direct contact.

b) **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. Jointing

The method of jointing 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.

c) **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.

Jointing of pipes shall be carried out by means of solvent welding, the manufacturer's instructions, and B.S. 5572: 1978. Jointing 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 using a WC connector, gasket, and cover, fixed to suit pan outlet. Suitable supporting brackets and pipe clips shall be provided at maximum of one-meter centers.

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

3.2.2 Valves

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.

a) **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.

b) **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 Fitment Traps**

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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 builder's 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 pipeangers, wall brackets, or trapeze type supports. 'U' bolts shall not be used as a substitute for pipe clips without the prior approval of the Engineer.

An approximate guide to the maximum permissible supports spacing in meters for steel and copper pipe and tube is given in the following table for horizontal runs.



Size	Copper Tube	Steel Tube
Nominal Bores	to B.S. 659	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 contained within the working limits prescribed in the relevant B.S. specification.

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 before erection commences.

The Sub-contractor when arranging his piping shall ensure that no expansion movements are transmitted directly to connections and flanges on pumps or other items of plant.

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

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 and the requirements of the latest B.S. Specifications. They shall be as described in the bill of quantities.

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 pass through the structure, where they shall be mild steel. The sleeves shall have 6mm – 12mm clearance all around the pipe or for insulated pipework all around the installation. The sleeve will then be packed with slag wool or similar.

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 standards as specified herein. The Sub-

contractor shall be responsible to the Main Contractor for ensuring that all builders work associated with his piping installation is carried out in a satisfactory manner to the approval of the Engineer.

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 required are achieved without springing the pipe.

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 buildings and as close to the walls, ceilings, columns, etc., as is practicable. 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 unavoidably installed beyond normal reach or in such Position as to be difficult to reach from a small step ladder, extension spindles with floor or wall pedestals, shall be provided.

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 carried out without the need to cut the pipe.

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 not transmitted to valves, equipment or plant.

All screwed joints to piping and fittings shall be made with P.T.F.E. tape.

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 main in that time. A general leakage of 4.5 liters per 25mm of diameter, per 1.6 kilometers per 24 hours per 30 meters head, may be considered reasonable but any visible individual leak shall be repaired.

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 Engineer.

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 purpose made rodding eye in the nearest adjacent wall or floor to which easy access is available.

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 sealing the roof after installation of the stacks.

The open end of each stack shall be fitted with a plastic coated or galvanized 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 the approval of the Engineer.

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 ten hours to not less than one and half times to design working pressure.

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 system has been completed, unless specifically requested by the Engineer. During the test, each branch and joint shall be examined carefully for leaks

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and any defects revealed shall be made good by the Sub-contractor and the section re-tested.

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 repaired or replaced at the Sub-contractor's expenses.

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, 1972.

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 systems to establish that special valves, gauges, control, fittings, equipment, and plant are functioning correctly to the satisfaction of the Engineer.

All hot water pipework shall be installed with pre-formed fiber glass lagging to a thickness of 25mm where the pipe runs above a false ceiling or in areas where the ambient temperature is higher than normal with the result that pipe "sweating", due.

to condensation will cause nuisance.

All lagged pipes which run in a visible position after erection shall be given a canvas cover and prepared for painting as follows:

- Apply a coating of suitable filler until the canvas weave disappears and allow to dry.
 - Apply two coats of an approved paint and finish in suitable gloss enamel to colors approved by the Engineer. All lagging for cold and hot water pipes erected in crawlways, ducts and above false ceiling which after erection are not visible from the corridors of rooms, shall be covered with a reinforced aluminium foil finish banded in colors to be approved by the Engineer.

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 C.P.342 and C.P.310 respectively to the approval of the Engineer. 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 shall not be left unattended. In either case precautions shall be taken to ensure that the required pressure is not exceeded.

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.

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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. specification designates a maximum test pressure.

3.5: STERILISATION OF COLD-WATER SYSTEM

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

The sterilization 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 of the Engineer.

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Item	Description	Unit	Qty
	PEOPLE WITH DISABILITY TOILET		
A	<p>Supply, deliver and install the following sanitary fittings including all materials and jointing to supply, waste/soil and overflow pipes. "Duravit" 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</p> <p><u>Disabled (Ambulant) facility</u> Disabled Facility comprising of: a. Low Level Cistern, Water Closet Suite Back to wall floor mounted water closet pan comprising: - a floor mounted white ceramic WC pan 380mm x 450mm with horizontal outlet and chrome fasteners - Low level ceramic cistern with with long lever action flushing mechanism. - sturdy white seat and seat cover with stainless steel hinges. - fixings, caps and drain outlets. - The water closet pan to be white in color and be 'Duravit'. '2nd Floor' Product code 'BWHDR2ND06' Brand Ref '210609' or approved equivalent</p> <p>b. Wash Hand Basin set White wall mounted ceramic wash hand basin with single taphole. Preferred dimension: 600 x 545mm The basin set to come complete with a long lever chrome disabled basin faucet Other accessories to include; chrome plated slotted waste, basin siphon, overflow, clip and fixings. The wash hand basin to be 60cm, white, "Stark 3 Washabsin Disabled" or approved equivalent.</p> <p>c. Hinged Support Items 2 No. hinged support rail with toilet roll holder made of satin finish stainless steel with stainless steel fasteners for securing to solid wall. As 'Mediclinics, BG0800CS'.</p> <p>d. Horizontal Grab Rail 1 No. 610mm horizontal grab rails in stainless steel with satin finish as 'Mediclinics, BR0600CS'</p> <p>e. Vertical Grab Rail 2 No. 455mm vertical grab rails in stainless steel with satin finish as 'Mediclinics, BR0400CS'</p>	Item	1

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Item	Description	Unit	Qty
A	Balance b/f from the Previous Page M-2		
	Electronic Tap for Wash hand Basin The wash hand basin tap/faucet all be electronic with a DC battery-powered sensor. The tap to be as JAQUAR Table Mounted Regular Sensor Basin Tap (Cold Only), Chrome or Battery/DC Operated, Cold Water Inlet or approved equivalent.	1	No.
	Electronic Soap Dispenser A touchless/infrared/electronic and DC battery-powered white soap dispenser. The soap dispenser shall be 1,000 capacity as to Tapis "HSD-F9305" or approved equivalent.	1	No.
	Hand Drier Automatic hand drier in white colour, operating on an infra-red automatic sensing system with heating element safety cut-out complete with a 30 seconds safety timer, plastic rawl plugs and fixing screws. The hand drier to have a heating capacity of 2.1kw and performance flow rate of 135cfm (3.82m3/min) and to be of size 270x264x143mm deep. It shall have a noise level below 72.5 dBA at 1.5m. It shall be as Medclinic or approved equivalent.	No	1
	Toilet Roll Holder Wall mounted, chrome plated toilet roll holder with protector plate as Duravit Item code "#009937" or equal and approved.	No	1
	Paper Towel Dispenser Wall-mounted manual paper towel dispenser, made of steel, white Epoxy finish as Mediclinic #DT2106	No	1
	Ducted Extractor Fan 12W extractor fan rated at least 20l/sec and to be as Manrose Primero FD100T In-Line Shower Extractor Fan Kit with Timer 100mm or approved equivalent	No	1
G	Mirror 6mm thick polished plate glass silver backed mirror with bevelled edges, size 610 x 450mm, Plugged and screwed to wall with 4No. chrome plated dome capped screws. The mirror shall rest against a layer of 5mm thick foam. This will come complete with wooden side frame.	No	1

Item	Description	Unit	Qty
	DEPUTY DIRECTOR'S OFFICE Water Closet (WC) Suite Close-coupled WC suite in white colour of aprox 360x655mm complete with horizontal outlet to BS 3402 with 7.5 litre valveless ceramic cistern and fittings including siphon, 15mm		

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Item	Description	Unit	Qty
A	diameter side inlet ball valve, 20mm diameter side overflow, plastic flush bend, inlet connection, 15mm stainless steel protected flexible tube, angle valve, chrome-plated push lever and heavy soft close plastic seat and cover with stainless steel hinges. As Duravit Item code '#211109' or approved equivalent.	1	No.
B	<p>Wash Hand Basin (WHB)</p> <p>White rectangular wash hand basin of about 600x460mm complete with a bottle trap, 15mm diameter stainless-steel protected flexible tubing, single lever chrome-plated tap, and build-in terazzo top. The whb to be Duravit product code '#236060' or approved equivalent.</p>	1	No.
C	<p>Electronic Tap for Wash hand Basin</p> <p>The wash hand basin tap/faucet all be electronic with a DC battery-powered sensor. The tap to be as JAQUAR Table Mounted Regular Sensor Basin Tap (Cold Only), Chrome or Battery/DC Operated, Cold Water Inlet or approved equivalent.</p>	1	No.
C	<p>Mirror</p> <p>6mm thick polished plate glass silver backed mirror with bevelled edges, size 610 x 450mm, Plugged and screwed to wall with 4No. chrome plated dome capped screws. The mirror shall rest against a layer of 5mm thick foam. This will come complete with wooden side frame.</p>	1	No.
D	<p>Hand Drier</p> <p>Automatic hand drier in white colour, operating on an infra-red automatic sensing system with heating element safety cut-out complete with a 30 seconds safety timer, plastic rawl plugs and fixing screws. The hand drier to have a heating capacity of 2.1kw and performance flow rate of 135cfm (3.82m³/min) and to be of size 270x264x143mm deep. It shall have a noise level below 72.5 dBA at 1.5m. It shall be as Medclinic or approved equivalent.</p>	1	No.

Item	Description	Unit	Qty
A	<p>Balance b/f from the Previous Page M-4</p> <p>Robe Hook</p> <p>Chrome plated double robe hook mounted with concealed screws. To be as Ideal Vado life and approved.</p>	1	No.
B	<p>Toilet Roll Holder</p> <p>Wall mounted, chrome plated toilet roll holder with protector plate as Duravit Item code "#009937" or equal and approved.</p>	1	No.

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Item	Description	Unit	Qty
C	Paper Towel Dispenser Wall-mounted manual paper towel dispenser, made of steel, white Epoxy finish as Mediclinic #DT2106	1	No.
D	Electronic Tap for Wash hand Basin The wash hand basin tap/faucet all be electronic with a DC battery-powered sensor. The tap to be as JAQUAR Table Mounted Regular Sensor Basin Tap (Cold Only), Chrome or Battery/DC Operated, Cold Water Inlet or approved equivalent.	1	No.
E	Floor trap Introduce a floor trap on the floor and connect it with the existing drainage system	1	No.
F	Ducted Extractor Fan 12W extractor fan rated at least 20l/sec and to be as Manrose Primero FD100T In-Line Shower Extractor Fan Kit with Timer 100mm or approved equivalent	1	No.
G	Plumbing and Drainage Allow for connection of sanitary fittings to the existing plumbing and drainage pipework.	1	No.

Item	Description	Unit	Qty
A	MOTHER'S ROOM Wash Hand Basin (WHB) White rectangular wash hand basin of about 600x460mm complete with a bottle trap, 15mm diameter flexible stainless-steel protected tubing, single lever chrome-plated tap, and build-in granite top. The whb to be Duravit product code '#236060' or approved equivalent.	1	No.
B	Mirror 6mm thick polished plate glass silver backed mirror with bevelled edges, size 1,200 x 800mm, Plugged and screwed to wall with 6No. chrome plated dome capped screws. The mirror shall rest against a layer of 5mm thick foam. This will come complete with wooden side frame.	1	No.
C	Hand Drier Automatic hand drier in white colour, operating on an infra-red automatic sensing system with heating element safety cut-out complete with a 30 seconds safety timer, plastic rawl plugs and fixing screws. The hand drier to have a heating capacity of 2.1kw and performance flow rate of 135cfm (3.82m3/min) and to be of size 270x264x143mm deep. It shall have a noise level below 72.5 dBA at 1.5m. It shall be as Medclinic or approved	1	No.

Item	Description	Unit	Qty
	equivalent.		
D	Paper Towel Dispenser Wall-mounted manual paper towel dispenser, made of steel, white Epoxy finish as Mediclinic #DT2106	1	No.
E	Soap dispenser Wall mounted soap dispenser with capacity of about one litre having a press action release mechanism complete with fixing screws. Allow for initial soap supply. To be as Mediclinics or approved equivalent	1	No.
F	Instant Shower Head A tankless shower head that allow setting different degrees of the temperature of wate. The shower head should be supplied all the necessary accessories for proper functioning of the shower. It should be as "Alpha Instant Shower S200EP Rainshower with Build-in Pump" or approved equivalent.	1	No.

Item	Description	Unit	Qty
	Balance b/f from the Previous Page M-6		
A	Soap dish Self-draining rectangular shaped chrome-plated/stainless steel soap dish mounted on the wall. It should be Kohler, or Hamgsrohe "Casetta Soap dish " or equivalent brand.	1	No.
B	Towel Rack Holder The towel rack should be capable of holding at least 4 towels. It should be made from orrosion and rust resistant premium grade stainless steel rails.	1	No.
C	Ducted Extractor Fan 12W extractor fan rated at least 20l/sec and to be as Manrose Primero FD100T In-Line Shower Extractor Fan Kit with Timer 100mm or approved equivalent	1	No.
D	Built-in Ceramic Kitchen Sink Rectangular single-bowl kitchen sink built in a granite top with cabinets. The Kitchen sink shall be complete with all necessary accessories such as angle vale, bottle trap, an electronic/touchless tap, and sink hole cover. The built-in ceramic kitchen sink shall be as Duravit or approved equivalent.	1	No.
E	Floor trap Introduce a stainless steel floor trap and connect it with the	1	No.

F	existing drainage system Plumbing and Drainage Allow for connection of sanitary fittings to the existing plumbing and drainage pipework.	1	No.
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Item	Description	Unit	Qty
	Internal Plumbing Works 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	20mm diameter pipework	40	Lm
	Bends		
B	20mm diameter bends	12	No
	Tees		
C	32mm x 20mm Tee	3	No
	Reducers		
D	25 x 20mm 20mm x 15mm Unions	4	No
E	20mm diameter pipe unions	4	No
	PP-R to Brass Threaded Fittings		
F	20mm male/female threaded 90° bend/Elbow	9	No
	Plugs		
G	20mm diameter pipe threaded plug	6	No
	Gate Valves		
H	20mm diameter approved medium pressure screw down full way non- rising stem wedge gate valve to BS 5154 PN 20 for series B rating, with wheel and hand joints to steel tubing and complete with round male threaded transition fittings. The gate valve to be as PEGLER or approved equivalent.	4	No
I	Angle valve & Flexible Tubing	3	No
J	15mm diameter x 300mm long flexible connectors complete with integral chrome plated angle valve as Cobra or equal and approved.	5	No

D/L

Item	Description	Unit	Qty
	INTERNAL FOUL WATER DRAINAGE 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 100mm diameter heavy gauge grey mUPVC pipe 50mm diameter waste pipe 40mm diameter waste pipe		
A	Bends	70	Lm
B	100mm diameter bend with access 100mm diameter long	30	Lm
C	radius bend 100mm diameter sweep bend 50mm diameter sweep bend 40mm diameter sweep bend	30	Lm
D	Tees	10	No
E	100mm diameter sweep tee 50mm diameter sweep	3	No
F	tee 40mm diameter sweep tee Access Caps	3	No
G	100mm diameter access cap 50mm diameter	3	No
H	access cap 40mm diameter access cap Boss	3	No
	Connectors		
I	100 x 50mm diameter boss connector 50 x 50mm ditto	3	No
J	Reducing Sockets	4	No
K	100 x 50 reducing socket	4	No
	50 x 40 reducing socket		
L	WC Connectors	3	No
M	100mm diameter WC connector	4	No
N	Testing and commissioning	4	No
O	Allow for testing and commissioning for all sanitary fittings, drainage system	3	No
P	and internal plumbing systems installed.	3	No
Q		4	No
R		4	No
S		3	No
T		1	No.

Item	Description	Unit	Qty
	Deputy Director Office		
	Supply and install Single split air conditioning unit with a rated cooling capacity of 5.2 kW (18,000 Btu/hr). The unit to run on R410A refrigerant and be capable of air filtration, dehumidification with inverter compressor technology.		
	The unit to comprise the following:		

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Item	Description	Unit	Qty
A	- Ceiling Cassette indoor unit c/w mounting brackets		
	- Matching external wall mounted outdoor unit c/w mounting brackets		
	- Refrigerant copper pipework upto 20m long (3/8" liquid & 5/8" gas) c/w with amaflex insulation, flared connections as per the manufacturers instructions		
	- Initial refrigerant charge of 2.5kg	1	No.
	- Wired remote controller c/w with LED panel and thermostat		
	- The Unit to come complete with power and transmission cables, connection accessories, insulation, condensate drain pump and pipe, .		
	The air conditioning unit shall be as "LG, Inveter, "ABNQ24GM1A2, AUUQ24GH2" or equal and approved.		
	Supply and install dim.19.5mm of copper pipes for gas lines .	40	M
	Supply and install dim.12.70mm copper pipe for liquid line.	40	M
	Drain pipe; 15mm PVC condensate drainage pipework including bends, clips, joints and tees in the running lengths of the pipe.		
B	Drainage pipe work to come complete with 15mm amaflex insulation	40	Lm
C			
D	AVS power surge protectors	1	No.
E	Wired wall mounted remote control complete with mounting brackets	1	No.
F	2.5mm flex cable (3 core)	15	Lm
G	Allow for wiring and conduit works including but not limited to interconnecting cable between the outdoor units, indoor units, wired remote control and control system.	1	Item
H	Allow for anchoring of the outdoor unit(s) on the wall	1	Item
I			

Item	Description	Unit	Qty
A	Monitoring Room		
	Supply and install Single split air conditioning unit with a rated cooling capacity of 5.2 kW (18,000 Btu/hr) . The unit to run on R410A refrigerant and be capable of air filtration, dehumidification with inverter compressor technology.		
	The unit to comprise the following:		
	- Ceiling Cassette indoor unit c/w mounting brackets		
	- Matching external wall mounted outdoor unit c/w mounting brackets		
	- Refrigerant copper pipework upto 20m long (3/8" liquid & 5/8" gas) c/w with amaflex insulation, flared connections as per the manufacturers instructions		
	- Initial refrigerant charge of 2.5kg	1	No.
	- Wired remote controller c/w with LED panel and thermostat		
	- The Unit to come complete with power and transmission cables, connection accessories, insulation, condensate drain pump and pipe, .		
	The air conditioning unit shall be as "LG, Inveter, "ABNQ24GM1A2, AUUQ24GH2" or equal and approved.		

B			
	Supply and install dim.19.5mm of copper pipes for gas lines .	35	M
	Supply and install dim.12.70mm copper pipe for liquid line.	35	M
	Drain pipe; 15mm PVC condensate drainage pipework including		
C	bends, clips, joints and tees in the running lengths of the pipe.		
	Drainage pipe work to come complete with 15mm amaflex insulation	35	Lm
D			
	AVS power surge protectors	1	No.
	Wired wall mounted remote control complete with mounting brackets	1	No.
E			
F	2.5mm flex cable (3 core)	35	Lm
	Allow for wiring and conduit works including but not limited to		
G	interconnecting cable between the outdoor units, indoor units, wired		
	remote control and control system.	1	Item
H	Allow for anchoring of the outdoor unit(s) on the wall	1	Item
I			

Item	Description	Unit	Qty
	Boardroom		
	Supply and install Single split air conditioning unit with a rated		
	cooling capacity of 5.2 kW (18,000 Btu/hr) . The unit to run on		
	R410A refrigerant and be capable of air filtration, dehumidification		
	with inverter compressor technology.		
	The unit to comprise the following:		
	- Ceiling Cassette indoor unit c/w mounting brackets		
	- Matching external wall mounted outdoor unit c/w mounting		
	brackets		
	- Refrigerant copper pipework upto 20m long (3/8" liquid & 5/8"		
	gas) c/w with amaflex insulation, flared connections as per the the		
	manufacturers instructions		
A	- Initial refrigerant charge of 2.5kg	2	No.
	- Wired remote controller c/w with LED panel and thermostat		
	- The Unit to come complete with power and transmission cables,		
	connection accessories, insulation, condensate drain pump and pipe, .		
	The air conditioning unit shall be as "LG, Inveter,		
	"ABNQ24GM1A2, AUUQ24GH2" or equal and approved.		
	Supply and install dim.19.5mm of copper pipes for gas lines .	30	M
	Supply and install dim.12.70mm copper pipe for liquid line.	30	M
	Drain pipe; 15mm PVC condensate drainage pipework including		
B	bends, clips, joints and tees in the running lengths of the pipe.		
C	Drainage pipe work to come complete with 15mm amaflex insulation	30	Lm
D	AVS power surge protectors	1	No.
	Wired wall mounted remote control complete with mounting brackets	1	No.

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E	2.5mm flex cable (3 core)	30	Lm
F	Allow for wiring and conduit works including but not limited to		
G	interconnecting cable between the outdoor units, indoor units, wired remote control and control system.	1	Item
H	Allow for anchoring of the outdoor unit(s) on the wall	2	Item
I			

Item	Description	Unit	Qty
A	ICT Hub		
	Supply and install Single split air conditioning unit with a rated cooling capacity of 5.2 kW (18,000 Btu/hr) . The unit to run on R410A refrigerant and be capable of air filtration, dehumidification with inverter compressor technology.		
	The unit to comprise the following:		
	- Ceiling Cassette indoor unit c/w mounting brackets		
	- Matching external wall mounted outdoor unit c/w mounting brackets		
	- Refrigerant copper pipework upto 20m long (3/8" liquid & 5/8" gas) c/w with amaflex insulation, flared connections as per the manufacturers instructions		
	- Initial refrigerant charge of 2.5kg	2	No.
	- Wired remote controller c/w with LED panel and thermostat		
	- The Unit to come complete with power and transmission cables, connection accessories, insulation, condensate drain pump and pipe, .		
	The air conditioning unit shall be as " LG, Inveter, "ABNQ24GM1A2, AUUQ24GH2" or equal and approved.		
B	Supply and install dim.19.5mm of copper pipes for gas lines .	20	M
C	Supply and install dim.12.70mm copper pipe for liquid line.	20	M
D	Drain pipe; 15mm PVC condensate drainage pipework including bends, clips, joints and tees in the running lengths of the pipe.		
	Drainage pipe work to come complete with 15mm amaflex insulation	20	Lm
E	AVS power surge protectors	1	No.
F	Wired wall mounted remote control complete with mounting brackets	1	No.
G	2.5mm flex cable (3 core)	20	Lm
H	Allow for wiring and conduit works including but not limited to interconnecting cable between the outdoor units, indoor units, wired remote control and control system.	1	Item
I	Allow for anchoring of the outdoor unit(s) on the wall	2	Item

Item	Description	Unit	Qty
A	Server Room (Floor Standing Unit)		
	Supply and install Single split air conditioning unit with a rated cooling capacity of 5.2 kW (18,000 Btu/hr). The unit to run on R410A refrigerant and be capable of air filtration, dehumidification with inverter compressor technology.		
	The unit to comprise the following:		
	- Wall-mounted indoor unit c/w mounting brackets		
	- Matching external wall mounted outdoor unit c/w mounting brackets		
	- Refrigerant copper pipework upto 20m long (3/8" liquid & 5/8" gas) c/w with amaflex insulation, flared connections as per the manufacturers instructions	1	No.
	- Initial refrigerant charge of 2.5kg		
	- Wired remote controller c/w with LED panel and thermostat		
	- The Unit to come complete with power and transmission cables, connection accessories, insulation, condensate drain pump and pipe, .		
	The air conditioning unit shall be as "2 Ton LG, Inverter, "APUW24GS1S1" or equal and approved.		
B	Supply and install dim.19.5mm of copper pipes for gas lines .	25	M
C	Supply and install dim.12.70mm copper pipe for liquid line.	25	M
D	Drain pipe; 15mm PVC condensate drainage pipework including bends, clips, joints and tees in the running lengths of the pipe.		
	Drainage pipe work to come complete with 15mm amaflex insulation	25	Lm
E	AVS power surge protectors	1	No.
F	Wired wall mounted remote control complete with mounting brackets	1	No.
G	2.5mm flex cable (3 core)	25	Lm
H	Allow for wiring and conduit works including but not limited to interconnecting cable between the outdoor units, indoor units, wired remote control and control system.	1	Item
I	Allow for anchoring of the outdoor unit(s) on the wall	1	Item
J K L M N O	Project Mangement and Stationery		
	Allow a sum of sh.200,000 for project management expenses	1	Item
	Allow 20% for the above item for profit	1	Item
	A4 size white Photocopy paper 80g/m ²	10	Ream
	Allow 20% for profit and tax	10	Item
	Toner cartidge for HP Printer 26A	5	No.
	Allow 20% for profit and tax	10	Item

Item	Description	Unit	Qty
	Mother's Room (Heating & Cooling AC)		
	Supply and install Single split air conditioning unit with a rated cooling capacity of 5.2 kW (18,000 Btu/hr). The unit to run on R410A refrigerant and be capable of air filtration, dehumidification		

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Item	Description	Unit	Qty
A	with inverter compressor technology.		
	The unit to comprise the following:		
	- Ceiling cassette indoor unit c/w mounting brackets		
	- Matching external wall mounted outdoor unit c/w mounting brackets		
	- Refrigerant copper pipework upto 20m long (3/8" liquid & 5/8" gas) c/w with amaflex insulation, flared connections as per the manufacturers instructions		
	- Initial refrigerant charge of 2.5kg	1	No.
	- Wired remote controller c/w with LED panel and thermostat		
	- The Unit to come complete with power and transmission cables, connection accessories, insulation, condensate drain pump and pipe, .		
	The air conditioning unit shall be as " LG DUALCOOL™ Inverter AC, Heating and Cooling " or equal and approved.		
B C	Supply and install dim.19.5mm of copper pipes for gas lines .	35	M
	Supply and install dim.12.70mm copper pipe for liquid line.	35	M
	Drain pipe; 15mm PVC condensate drainage pipework including bends, clips, joints and tees in the running lengths of the pipe.		
	Drainage pipe work to come complete with 15mm amaflex insulation	35	Lm
D	AVS power surge protectors	1	No.
	Wired wall mounted remote control complete with mounting brackets	1	No.
E	2.5mm flex cable (3 core)	35	Lm
F	Allow for wiring and conduit works including but not limited to interconnecting cable between the outdoor units, indoor units, wired remote control and control system.	1	Item
G	Allow for anchoring of the outdoor unit(s) on the wall	1	Item
H	Project management		
I			

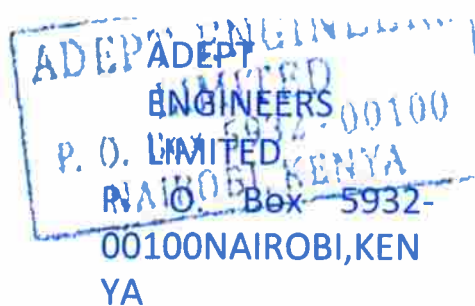
Item	Description	Unit	Qty
A	Fire Suppression System Allow for the relocation of an existing fire suppression system from KVDA Plaza located about 1km away from the site. Allow for fixing all the necessary components at the new site and ensure that the fire suppression is in proper working condition.	1	No.

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E. PRICED BILLS OF QUANTITIES

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CTION F-BILL OF QUANTITIES



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1	Description	Unit	Qty	Rate (KShs.)	Amount (KShs.)
	PEOPLE WITH DISABILITY TOILET				
A	<p>Supply,deliver and install the following sanitary fittings including all materials and jointing to supply, waste/soil and overflow pipes."Duravit" 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</p> <p><u>Disabled (Ambulant) facility</u></p> <p>Disabled Facility comprising of:</p> <p>a.<u>Low Level Cistern, Water Closet Suite</u></p> <p>Back to wall floor mounted water closet pan comprising:</p> <ul style="list-style-type: none"> - a floor mounted white ceramic WC pan 380mm x450mm with horizontal outlet and chrome fasteners -Low level ceramic cistern with with long lever action flushing mechanism. - sturdy white seat and seat cover with stainless steel hinges. - fixings, caps and drain outlets. <p>The water closet pan to be white in color and be 'Duravit'. '2nd Floor' Product code 'BWHDR2ND06' Brand Ref '210609'or approved equivalent</p> <p>b.<u>Wash Hand Basin set</u></p> <p>White wall mounted ceramic wash hand basin with single taphole.Prefered dimension: 600 x 545mm</p> <p>The basin set to come complete with a long lever chrome disabled basin faucet</p> <p>Other accessories to include; chrome plated slotted waste,basin siphon,overflow, clip and fixings. The wash hand basin to be 60cm,white,"Stark 3 Washabsin Disabled" or approved equivalent.c.</p> <p><u>Hinged Support Items</u></p> <p>2 No. hinged support rail with toilet roll holder made of satin finish stainless steel with stainless steel fasteners for securing to solid wall. As 'Mediclinics, BG0800CS'.</p> <p>d.<u>Horizontal Grab Rail</u></p> <p>1 No. 610mm horizontal grab rails in stainless steel with satin finsh as 'Mediclinics, BR0600CS'</p> <p>e.<u>Vertical Grab Rail</u></p> <p>2 No.455mm vertical grab rails in stainless steel with satin finsh as 'Mediclinics, BR0400CS'</p> <p>INNOVATIVE CITADEL LIMITED</p> <p>INNOVATIVE CITADEL LIMITED</p> <p>30 APR 2025.. 30 APR 2025</p>	Item	1	135000	135000
	Total Carried Forward				456000

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Item	Description	Unit		Rate (KShs.)	Amount
	Balance b/f from the Previous Page M-2				135,000
A	Electronic Tap for Wash hand Basin The wash hand basin tap/faucet all be electronic with a DC battery-powered sensor. The tap to be as JAQUAR Table Mounted Regular Sensor Basin Tap (Cold Only), Chromc or Battery/DC Operated,Cold Water Inlet or approved equivalent.	1	No.	19,800	19,800
B C D	Electronic Soap Dispenser A touchless infrared/electronic and DC battery-powered white soap dispenser. The soap dispenser shall be 1,000 capacity as to Tapis "HSD-F9305" or approved equivalent. Hand Drier Automatic hand drier in white colour, operating on an infra-red automatic sensing system with heating element safety cut-out complete with a 30 seconds safety timer,plastic rawl plugs and fixing screws.The hand drier to have a heating capacity of 2.1kw and performance flow rate of 135cfm(3.82m3/min)and to be of size 270x264x143mm deep. It shall have a noise level below 72.5 dBA at 1.5m. It shall be as Medclinic or approved equivalent. Toilet Roll Holder Wall mounted, chrome plated toilet roll holder with protector plate as Duravit Item code "#009937" or equal and approved.	1	No.	700	700
		No	1	5500	5500
		No	1	3,500	3,500
E	Paper Towel Dispenser Wall-mounted manual paper towel dispenser, made of steel,white Epoxy finish as Mediclinic #DT2106 Ducted Extractor Fan	No	1	10,500	10,500
F	12W extractor fan rated at least 201/sec and to be as Manrose Primero FD100T In-Line Shower Extractor Fan Kit with Timer 100mm or approved equivalent	No	1	12,000	12,000
G	Mirror 6mm thick polished plate glass silver backed mirror wvith bevelled edges,size610x450mm,Plugged and screwed to wall with 4No. chrome plated dome capped screws. The mirror shall rest against a layer of 5mm thick foam.This will come complete with wooden side frame.	No	1	11,500	11,500
Total C/F to the Sanitary Fittings Summary Page M-8					254,200

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Nairobi Kenya

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GARDEN,KENYA

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Item	Description	Unit	Qty	Rate (KShs.)	Amount (KShs.)
A B C C D	<p>DEPUTY DIRECTOR'S OFFICE</p> <p>Water Closet (WC) Suite</p> <p>Close-coupled WC suite in white colour of aprox 360x655mm complete with horizontal outlet to BS 3402 with 7.5 litre valveless ceramic cistern and fittings including siphon, 15mm diameter side inlet ball valve, 20mm diameter side overflow, plastic flush bend, inlet connection, 15mm stainless steel protected flexible tube, angle valve, chrome-plated push lever and heavy soft close plastic seat and cover with stainless steel hinges. As Duravit Item code '#211109' or approved equivalent.</p>	1	No.	36,500	36,500
	<p>Wash Hand Basin (WHB)</p> <p>White rectangular wash hand basin of about 600x460mm complete with a bottle trap, 15mm diameter stainless-steel protected flexible tubing, single lever chrome-plated tap, and build-in terazzo top. The whb to be Duravit product code '#236060' or approved equivalent.</p>	1	No.	14,500	14,500
	<p><u>Electronic Tap for Wash hand Basin</u></p> <p>The wash hand basin tap/faucet all be electronic with a DC battery-powered sensor. The tap to be as JAQUAR Table Mounted Regular Sensor Basin Tap (Cold Only), Chrome or Battery/DC Operated, Cold Water Inlet or approved equivalent.</p>	1	No.	4,800	4,800
	<p>Mirror</p> <p>6mm thick polished plate glass silver backed mirror with bevelled edges, size 610x 450mm, Plugged and screwed to wall with 4 No. chrome plated dome capped screws. The mirror shall rest against a layer of 5mm thick foam. This will come complete with wooden side frame.</p>	1	No.	17,500	17,500
	<p>Hand Drier</p> <p>Automatic hand drier in white colour, operating on an infra-red automatic sensing system with heating element safety cut-out complete with a 30 seconds safety timer, plastic rawl plugs and fixing screws. The hand drier to have a heating capacity of 2.1kw and performance flow rate of 135cfm (3.82m³/min) and to be of size 270x264x143mm deep. It shall have a noise level below 72.5 dBA at 1.5m. It shall be as Medclinic or approved equivalent.</p>	1	No.	65,000	65,000
Total C/F to the Next Page M-5		TIVE CITADEL LIMITED			138,300

30 APR 2025

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Item	Description	Unit	Qty	Rate (KShs.)	Amount (KShs.)
	Balance b/f from the Previous Page M-4				137,300
A	Robe Hook Chrome plated double robe hook mounted with concealed screws. To be as Ideal Vado life and approved.	1	No.	3,000	3,000
B	Toilet Roll Holder Wall mounted, chrome plated toilet roll holder with protector plate as Duravit Item code "#009937" or equal and approved.	1	No.	3,500	3,500
C	Paper Towel Dispenser Wall-mounted manual paper towel dispenser, made of steel, white Epoxy finish as Mediclinic #DT2106 Electronic Tap for Wash hand Basin	1	No.	9,500	9,500
D E	The wash hand basin tap/faucet all be electronic with a DC battery-powered sensor. The tap to be as JAQUAR Table Mounted Regular Sensor Basin Tap (Cold Only), Chrome or Battery/DC Operated, Cold Water Inlet or approved equivalent.	1	No.	9,800	19,800
	Floor trap Introduce a floor trap on the floor and connect it with the existing drainage system Ducted Extractor Fan	1	No.	2,500	2,500
F G	12W extractor fan rated at least 20l/sec and to be as Manrose Primero FD100T In-Line Shower Extractor Fan Kit with Timer 100mm or approved equivalent Plumbing and Drainage Allow for connection of sanitary fittings to the existing plumbing and drainage pipework.	1	No.	12,000	12,000
		1	No.	50,000	50,000

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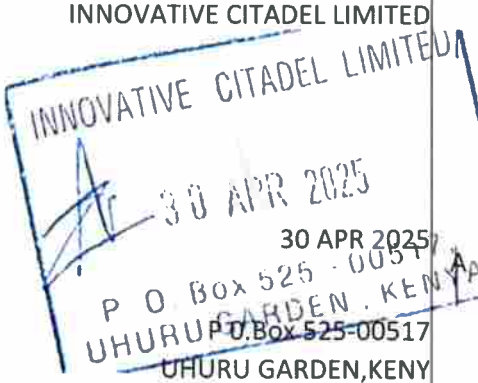
	Total C/F to the Sanitary Fittings Summary Page M-8	237,600
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Item	Description	Unit	Qty	Rate (KShs.)	Amount (KShs.)
A	MOTHER'S ROOM				
	Wash Hand Basin (WHB)				
	White rectangular wash hand basin of about 600x460mm complete with a bottle trap, 15mm diameter flexible stainless-steel protected tubing, single lever chrome-plated tap, and build-in granite top. The whb to be Duravit product code #236060' or approved equivalent.	1	No.	14,500	14,500
	Mirror				
	6mm thick polished plate glass silver backed mirror with bevelled edges, size 1,200 x 800mm, Plugged and screwed to wall with 6No. chrome plated dome capped screws. The mirror shall rest against a layer of 5mm thick foam. This will come complete with wooden side frame.	1	No.	11,500	11,500
C	Hand Drier				
	Automatic hand drier in white colour, operating on an infra-red automatic sensing system with heating element safety cut-out complete with a 30 seconds safety timer, plastic rawl plugs and fixing screws. The hand drier to have a heating capacity of 2.1kw and performance flow rate of 135cfm (3.82m ³ /min) and to be of size 270x264x143mm deep. It shall have a noise level below 72.5 dBA at 1.5m. It shall be as Medclinic or approved equivalent.	1	No.	66,000	66,000
D E F	Paper Towel Dispenser				
	Wall-mounted manual paper towel dispenser, made of steel, white Epoxy finish as Mediclinic #DT2106	1	No.	9,500	9,500
	Soap dispenser				
	Wall mounted soap dispenser with capacity of about one litre having a press action release mechanism complete with fixing screws. Allow for initial soap supply. To be as Mediclinics or approved equivalent	1	No.	12,000	12,000
	Instant Shower Head				
	A tankless shower head that allow setting different degrees of the temperature of water. The shower head should be supplied all the necessary accessories for proper functioning of the shower. It should be as "Alpha Instant Shower S200EP Rainshower with Build-in Pump" or approved equivalent.	1	No.	9,500	9,500
	Total C/F to the Next Page M-7				112,000

Next Page M-7
 INNOVATIVE CITADEL LIMITED
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Item	Description	Unit	Qty	Rate (KShs.)	Amount (KShs.)
	Balance b/f from the Previous Page M-6				13,000
A	Soap dish Self-draining rectangular shaped chrome-plated/stainless steel soap dish mounted on the wall. It should be Kohler, or Hamgrohe "Casetta Soap dish " or equivalent brand.	1	No.	3,000	3,000
B	Towel Rack Holder The towel rack should be capable of holding at least 4 towels. It should be made from corrosion and rust resistant premium grade stainless steel rails.	1	No.	20,500	20,500
C	Ducted Extractor Fan 12W extractor fan rated at least 201/sec and to be as Manrose Primero FD100T In-Line Shower Extractor Fan Kit with Timer 100mm or approved equivalent	1	No.	12,000	12,000
D	Built-in Ceramic Kitchen Sink Rectangular single-bowl kitchen sink built in granite top with cabinets. The Kitchen sink shall be complete with all necessary accessories such as angle valve, bottle trap, an electronic/touchless tap, and sink hole cover. The built-in ceramic kitchen sink shall be as Duravit or approved equivalent.	1	No.	32,600	32,600
E	Floor trap Introduce a stainless steel floor trap and connect it with the existing drainage system	1	No.	2500	2,500
F	Plumbing and Drainage Allow for connection of sanitary fittings to the existing plumbing and drainage pipework.	1	No.	59,000	59,000
<p style="text-align: center;">INNOVATIVE CITADEL LIMITED</p> 					
Total C/F to the Sanitary Fittings Summary Page M-8					223,600

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SANITARY FITTINGS SUMMARY PAGE		
Item	Description	Amount (Kshs)
1	Total carried forward from page M-3	254,300
2	Total carried forward from page M-5	237,600
3	Total carried forward from page M-7	233,600
Total for Sanitary Fittings C/F to Mechanical Summary Page M-19		725,500



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Item	Description	Unit	Qty	Rate (KShs.)	Amount (KShs.)
	<p>Internal Plumbing Works</p> <p>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</p> <p>pressure tested before the plastering of wall commences and as per the manufacturers recommended testing pressures.</p>				
A	20mm diameter pipework	40	Lm	250	10,000
	Bends				
B	20mm diameter bends	12	No	200	2,400
	Tees				
C	32mmx 20mm Tee	3	No	200	600
	Reducers				
D	25x20mm	4	No	200	800
E	20mmx 15mm	4	No	200	800
	Unions				
F	20mm diameter pipe unions	9	No	200	1,800
	PP-R to Brass Threaded Fittings				
G	20mm male/female threaded 90° bend/Elbow	6	No	250	1,500
	Plugs				
H	20mm diameter pipe threaded plug	4	No	250	1,000
	Gate Valves				
I	20mm diameter approved medium pressure screw down full way non rising stem wedge gate valve to BS 5154 PN 20 for series B rating, with wheel and hand joints to steel tubing and complete with round male threaded transition fittings. The gate valve to be as PEGLER or approved equivalent.	3	No	4,500	13,500
	Angle valve & Flexible Tubing				
J	15mm diameter x 300mm long flexible connectors complete with integral chrome plated angle valve as Cobra or equal and approved.	5	No	3,800	9,000

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30 APR 2025

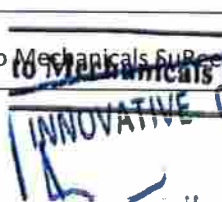
P.O. BOX 525-006 2
Nairobi, KENYA

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	Total C/F to Mechanicals Summary Pag6M-19	51,402
	NYA HIIRU GARDET	

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tcn	Description	Unit	Qty	Rate (KShs.)	Amount (KShs.)
	INTERNAL FOUL WATER DRAINAGE 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	100mm diameter heavy gauge grey mUPVCpipe	70	Lm	1350	94,500
B	50mm diameter waste pipe	30	Lm	1050	31,500
C	40mm diameter waste pipe	30	Lm	850	25,500
	Bends				
D	100mm diameter bend with access	10	No	600	6,000
E	100mm diameter long radius bend	3	No	600	1,800
F	100mm diameter sweep bend	3	No	600	1,800
G	50mm diameter sweep bend	3	No	600	1,800
H	40mm diameter sweep bend	3	No	600	1,800
	Tees				
I	100mm diameter sweep tee	3	No	600	1,800
J	50mm diameter sweep tee	4	No	600	2,400
內	40mm diameter sweep tee	4	No	600	2,400
	Access Caps				
L	100mm diameter access cap	3	No	600	1,800
M	50mm diameter access cap	4	No	600	2,400
N	40mm diameter access cap	4	No	600	2,400
	Boss Connectors				
O	100 x 50mm diameter boss connector	3	No	3500	10,500
P	50x50mm ditto	3	No	3500	10,500
	Reducing Sockets				
Q	100x 50 reducing socket	4	No	600	2,400
R	50x40 reducing socket	4	No	600	2,400
	WC Connectors				
S	100mm diameter WC connector	3	No	3500	10,500
	<u>Testing and commissioning</u>				
T	Allow for testing and commissioning for all sanitary fittings,drainage system and internal plumbing systems installed.	1	No.	10,000	10,000
Total C/F to Mechanicals Subcontractor					224,200


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Item	Description	Unit	Qty	Rme (KShs.)	Amount (KShs.)
A	<p>Deputy Director Office</p> <p>Supply and install Single split air conditioning unit with a rated cooling capacity of 5.2 kW (18,000 Btu/hr). The unit to run on R410A refrigerant and be capable of air filtration, dehumidification with inverter compressor technology.</p> <p>The unit to comprise the following:</p> <ul style="list-style-type: none"> - Ceiling Cassette indoor unit c/w mounting brackets - Matching external wall mounted outdoor unit c/w mounting brackets - Refrigerant copper pipework upto 20m long (3/8" liquid & 5/8" gas) c/w with amaflex insulation, flared connections as per the manufacturers instructions - Initial refrigerant charge of 2.5kg - Wired remote controller c/w with LED panel and thermostat - The Unit to come complete with power and transmission cables, connection accessories, insulation, condensate drain pump and pipe. The air conditioning unit shall be as "LG, Inverter, "ABNQ24GM1A2, AUUQ24GH2" or equal and approved. 	1	No.	31,900	31,900
B	Supply and install dim. 19.5mm of copper pipes for gas lines.	40	M	1,500	60,000
C	Supply and install dim. 12.70mm copper pipe for liquid line. Drain pipe; 15mm PVC condensate drainage pipework including bends, clips, joints and tees in the running lengths of the pipe.	40	M	1,500	60,000
D	Drainage pipe work to come complete with 15mm amaflex insulation	40	Lm	550	22,000
E	AVS power surge protectors	1	No.	8,800	8,800
F	Wired wall mounted remote control complete with mounting brackets	1	No.		
G	2.5mm flex cable (3 core)	15	Lm	10,800	162,000
H	Allow for wiring and conduit works including but not limited to interconnecting cable between the outdoor units, indoor units, wired remote control and control system.	1	Item	6,750	6,750
I	Allow for anchoring of the outdoor unit(s) on the wall	1	Item	20,000	20,000
Total C/F to Air Conditioning Summary Page M-18					520,750

INNOVATIVE CITADEL LIMITED

30 APR 2025

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Item	Description	Unit	Qty	Rate (KShs.)	Amount (KShs.)
A	<p>Monitoring Room</p> <p>The unit to comprise the followig:</p> <ul style="list-style-type: none"> - Ceiling Cassette indoor unit c/w mounting brackets -Matching external wall mounted outdoor unit c/w mounting brackets -Refrigerant copper pipework upto 20m long (3/8" liquid & 5/8" gas) c/w with amaflex insulation, flared connections as per the the manufacturers instructions -Initial refrigerant charge of 2.5kg -Wired remote controller c/w with LED panel and thermostat -The Unit to come complete with power and transmission cables,connection accessories,insulation, condensate drain pump and pipe,.The air conditioning unit shall be as "LG, Inveter, "ABNQ24GM1A2, AUUQ24GH2" or equal and approved. 	1	No.	31,500	31,500
B	Supply and install dim.19.5mm of copper pipes for gas lines.	35	M	1500	42,500
C	Supply and install dim.12.70mm copper pipe for liquid line.	35	M	500	52,500
D	<p>Drain pipe; 15mm PVC condensate drainage pipework including bends, clips, joints and tees in the running lengths of the pipe.</p> <p>Drainage pipe work to come complete with 15mm amaflex insulation</p>	35	Lm	650	9,250
E	AVS power surge protectors	1	No.	8500	8,500
F	Wired wall mmounted remote control complete with mounting brackets	1	No.	10,500	10,500
G	2.5mm flex cable (3 core)	35	Lm	650	22,750
H	Allow for wiring and conduit works including but not limited to interconnecting cable between the outdoor units, indoor units, wired remote control and control system.	1	Item	15,000	15,000
I	Allow for anchoring of the outdoor unit(s) on the wall	1	Item	20,000	20,000
Total C/F to Air Conditioning Summary Page M-18					516,000

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LIMITED

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Supply and install Single split air conditioning unit with a rated cooling capacity of 5.2 kW (18,000 Btu/hr). The unit to run on R410A refrigerant and be capable of air filtration, dehumidification with inverter compressor technology.

INNOVATIVE CITADEL LIMITED

OK

Item	Description	Unit	Qty	Rate (KShs.)	Amount (KShs.)
A	<p>Boardroom</p> <p>Supply and install Single split air conditioning unit with a rated cooling capacity of 5.2 kW (18,000 Btu/hr). The unit to run on R410A refrigerant and be capable of air filtration, dehumidification with inverter compressor technology.</p> <p>The unit to comprise the following:</p> <ul style="list-style-type: none"> -Ceiling Cassette indoor unit c/w mounting brackets - Matching external wall mounted outdoor unit c/w mounting brackets -Refrigerant copper pipework upto 20m long (3/8" liquid & 5/8" gas) c/w with amaflex insulation, flared connections as per the the manufacturers instructions -Initial refrigerant charge of 2.5kg - Wired remote controller c/w with LED panel and thermostat -The Unit to come complete with power and transmission cables, connection accessories, insulation, condensate drain pump and pipe. The air conditioning unit shall be as "LG, Inverter, "ABNQ24GM1A2, AUUQ24GH2" or equal and approved. 	2	No.	3,500	6,90,000
B	Supply and install dim.19.5mm of copper pipes for gas lines.	30	M	1500	30,000
C	Supply and install dim.12.70mm copper pipe for liquid line.	30	M	1,500	30,000
	Drain pipe; 15mm PVC condensate drainage pipework including bends, clips, joints and tees in the running lengths of the pipe.				
D	Drainage pipe work to come complete with 15mm amaflex insulation	30	Lm	450	11,000
E	AVS power surge protectors	1	No.	850	8500
F	Wired wall mounted remote control complete with mounting brackets	1	No.	10,500	10,500
G	2.5mm flex cable (3 core)	30	Lm	650	13,000
H	Allow for wiring and conduit works including but not limited to interconnecting cable between the outdoor units, indoor units, wired remote control and control system.	1	Item	15,000	5,000
I	Allow for anchoring of the outdoor unit(s) on the wall	2	Item	20,000	40,000

10 Air Conditioning Summary Page 1

INNOVATIVE CITADEL LIMITED

DK

Item	Description	Unit	Qty	Rare (KShs.)	Amount (KShs.)
A	<p>ICT Hub</p> <p>Supply and install Single split air conditioning unit with a rated cooling capacity of 5.2 kW (18,000 Btu/hr). The unit to run on R410A refrigerant and be capable of air filtration, dehumidification with inverter compressor technology.</p> <p>The unit to comprise the following:</p> <ul style="list-style-type: none"> -Ceiling Cassette indoor unit c/w mounting brackets -Matching external wall mounted outdoor unit c/w mounting brackets - Refrigerant copper pipework upto 20m long (3/8" liquid & 5/8" gas) c/w with amaflex insulation, flared connections as per the the manufacturers instructions -Initial refrigerant charge of 2.5kg - Wired remote controller c/w with LED panel and thermostat - The Unit to come complete with power and transmission cables,connection accessories, insulation, condensate drain pump and pipe,The air conditioning unit shall be as "LG,Inveter, "ABNQ24GM1A2, AUUQ24GH2" or equal and approved. 	2	No.	3,500	1630,000
B	Supply and install dim.19.5mm of copper pipes for gas lines.	20	M	1500	30,000
C	Supply and install dim.12.70mm copper pipe for liquid line.	20	M	1,500	30,000
	Drain pipe; 15mm PVC condensate drainage pipework including bends, clips,joints and tees in the running lengths of the pipe.				
D	Drainage pipe work to come complete with 15mm amaflex insulation	20	Lm	350	11,000
E	AVS power surge protectors	1	No.	8500	8500
F	Wired wall mounted remote control complete with mounting brackets	1	No.	10,500	10,500
G	2.5mm flex cable (3 core)	20	Lm	650	13,000
	Allow for wiring and conduit works including but not limited to interconnecting cable between the outdoor units, indoor units, wired remote control and control system.	1	Item	15,000	5,000
H I	Allow for anchoring of the outdoor unit(s) on the wall	2	Item	20,000	40,000
Total C/F to Air Conditioning Summary Page M-18					788,000

INNOVATIVE CITADEL LIMITED

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Item	Description	Unit	Qty	Rate (KShs.)	Amount (KShs.)
A	<p>Server Room (Floor Standing Unit)</p> <p>Supply and install Single split air conditioning unit with a rated with cooling capacity of 5.2 kW (18,000 Btu/hr). The unit to run on R410A refrigerant and to be capable of air filtration, dehumidification The unit to comprise the following:</p> <ul style="list-style-type: none"> -Wall-mounted indoor unit c/w mounting brackets -Matching external wall mounted outdoor unit c/w mounting brackets gas) c/w with amaflex insulation, flared connections as per the the - Range of copper pipe work upto 20m long (3/8" liquid & 5/8"- Initial refrigerant charge of 2.5kg -Wired remote controller c/w with LED panel and thermostat connection accessories,insulation,condensate drain pump and pipe,-The Unit to come complete with power and transmission cables,The air conditioning unit shall be as ¹¹2Ton LG,Inveter, "APUW24GS1S1" or equal and approved. 	1	No.	31,500	31,500
B	Supply and install dim.19.5mm of copper pipes for gas lines.	25	M	1,500	37,500
C	Supply and install dim.12.70mm copper pipe for liquid line. Drain pipe; 15mm PVC condensate drainage pipework including bends, clips,joints and tees in therunning lengths of the pipe.	25	M	500	37,500
D	Drainage pipe work to come complete with 15mm amaflexinsulation	25	Lm	550	13,750
E	AVS power surge protectors	1	No.	8,500	8,500
F	Wired wall mounted remote control complete with mounting brackets	1	No.	10,500	10,500
G	2.5mm flex cable (3 core)	25	Lm	650	16,250
H I	Allow for wiring and conduit works including but not limited to interconnecting cable between the outdoor units, indoor units, wired remote control and control system.	1	Item	5,000	15,000
J	Allow for anchoring of the outdoor unit(s) on the wall	1	Item	20,000	20,000
K	Project Mangement and Stationery	1	Item	200,000	200,000
L	Allow a sum of sh.200,000 for project management expenses	1	Item	40,000	40,000
M	Allow 20% for the above item for profit	1	Item	1,000	20,000
N	A4 size white Photocopy paper 80g/m²	10	Ream	400	4,000
O	Allow 20%/ for profit and tax	10	Item	450,000	225,000
	Toner cartidge for HP Printer 26A	5	No.	900	4,500
	Allow 20% for profit and tax	10	Item	900	9,000
Total C/F to Air Conditioning Summary Page M-18					1,053,000

ACTIVE CITADEL LIMITED
CITADEL LIMITED

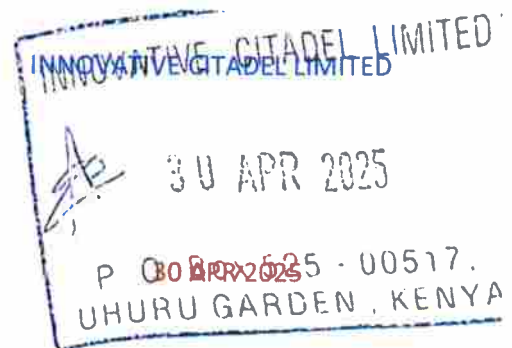
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Item	Description	Unit	Qty	Rate (KShs.)	Amount (KShs.)
A	<p>Mother's Room (Heating & Cooling AC)</p> <p>Supply and install Single split air conditioning unit with a rated cooling capacity of 5.2 kW(18,000 Btu/hr). The unit to run on R410A refrigerant and be capable of air filtration, dehumidification with inverter compressor technology.</p> <p>The unit to comprise the following:</p> <ul style="list-style-type: none"> - Ceiling cassette indoor unit c/w mounting brackets - Matching external wall mounted outdoor unit c/w mounting brackets - Refrigerant copper pipework upto 20m long (3/8" liquid & 5/8" gas) c/w with amaflex insulation, flared connections as per the manufacturers instructions - Initial refrigerant charge of 2.5kg - Wired remote controller c/w with LED panel and thermostat <p>- The Unit to come complete with power and transmission cables, connection accessories, insulation, condensate drain pump and pipe. The air conditioning unit shall be as "LG DUALCOOLTM Inverter AC, Heating and Cooling" or equal and approved.</p>	1	No.	31,500	31,500
B	Supply and install dim.19.5mm of copper pipes for gas lines.	35	M	1,500	52,500
C	Supply and install dim.12.70mm copper pipe for liquid line.	35	M	500	52,500
D	<p>Drain pipe; 15mm PVC condensate drainage pipework including bends, clips, joints and tees in the running lengths of the pipe.</p> <p>Drainage pipe work to come complete with 15mm amaflex insulation</p>	35	Lm	550	19,250
E	AVS power surge protectors	1	No.	8,500	8,500
F	Wired wall mounted remote control complete with mounting brackets	1	No.	10,500	10,500
G	2.5mm flex cable (3 core)	35	Lm	650	22,750
H	Allow for wiring and conduit works including but not limited to interconnecting cable between the outdoor units, indoor units, wired remote control and control system.	1	Item	15,000	15,000
I	Allow for anchoring of the outdoor unit(s) on the wall	1	Item	20,000	20,000
	Project management				
Total C/F to Air Conditioning Summary Page M-18					516,000

MOVATIVE CITADEL LIMITED
CITADEL LIMITED

DK

Item	Description	Unit	Qty	Rate (KShs.)	Amount (KShs.)
A	<p>Fire Supression System</p> <p>Allow for the relocation of an existing fire suppression system from KVDA Plaza located about 1km away from the site.Allow for fixing all the necessary components at the new site and ensure that the fire suppression is in proper working condition.</p>	1	No.	6500	650,000
Total Carried Forward to Mechanicals Summary Page M-19					650,000



P. O.Box 525-00517, UHURU GARDEN, KENYA

DK

AIR CONDITIONING SUMMARY PAGE		
Item	Description	Amount (Kshs)
1	Total carried forward from page M-11	520,750
2	Total carried forward from page M-12	510,000
3	Total carried forward from page M-13	830,000
4	Total carried forward from page M-14	758,000
5	Total carried forward from page M-15M1	1,053,000 516,000
Total Carried Forward to Mechanicals Summary Page M-19		4,223,750

ADEPT ENGINEERS
ADAPT ENGINEERS
LIMITED
 P. O. Box 5932 - 00100
 NAIROBI, KENYA

P. O. Box 5932
 00100 INNOVATIVE CITADEL LIMITED
 LIMITED
 30 APR 2025
 P. O. Box 525-00517, UHURU GARDEN, KENYA

P.O. Box 525-00517,
 UHURU GARDEN, KENYA

HK

MECHANICALS SUMMARY PAGE		
Item	Description	Amount (Kshs)
1	Total brought forward from page M-1	725,500
2	Total brought forward from page M-8	51,400
3	Total brought forward from page M-9	224,200
4	Total brought forward from page M-10	650,000
5	Total brought forward from page M-17	4,223,750
6	Total brought forward from page M-18	450,000
7	Contingencies	450,000
Total Carried Forward to Works Main Summary Page		6,324,850

Amount in Words:

Amount in words

SIX MILLION, THREE HUNDRED AND TWENTY FOUR THOUS

Tenderer's Name and Stamp **MANURE AND DEITY LIMITED**

Address **Box 525-00512 UHURU GARDEN**

Period To Execute The Works **6 MONTHS**

Telephone No. **0722 471 796**

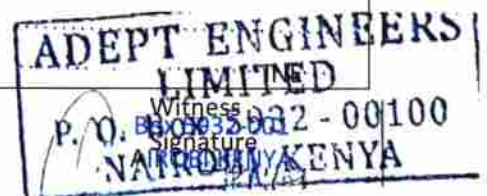
Mobile Phone No. **- 0722 471 746**

Tenderer's V.A.T No

Tenderer's P.I.N No **P051425399J**

Tenderer's Signature **[Signature]**

Date. **25/05/2025**



Date.

30 APR 2025

20/04/25
LIMITED

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INNOVATIVE CITADEL LIMITED

30 APR 2025

P.O. Box 525-00517,
UHURU GARDEN, KENYA

JK

SCHEDULE OF UNIT RATES

1. The tenderer shall insert unit rates against the items in the following schedules and may add such other items as he considers appropriate.
2. The unit rates shall include for supply, transport, insurance, delivery to site, storage as necessary, assembling, cleaning, installing, connecting, profit and maintenance in defects liability and any other obligation under this contract.
3. The unit rates will be used to assess the value of additions or omissions arising from authorized variations to the contract works.
4. Where trade names or manufacturer's catalogue numbers are mentioned in the specification, the reference is intended as a guide to the type of article or quality of material required. Alternative brands of equal and **approved** quality will be accepted

ITEM	DESCRIPTION	UNIT	RATE (Kshs)
A	Wall Hung Water Closet Pan	No.	36,000
B	Pedestal wash hand basin	No.	15,000
C	Polymer horizontal grab rail (pwd toilet)	No.	0,500
D	Polymer vertical grab rail (pwd toilet)	No.	10,500
E	Lever basin tap	No.	6,000
F	Non-electronic soap dispenser	No.	4,500
F	Executive instant shower head	No.	20,500
G	25mm PPR pipe	Lm	330
H	25mm gate valve	No.	4,500
I	18,000 btu wall-mounted AC	No.	215,000
J	24,000 btu ceiling cassette	No.	255,750
K	24,000 btu wall-mounted AC	No.	255,750
L	24,000 Floor standing AC unit	No.	255,750
M	Single cylinder fire suppression unit for server room	No.	450,000

INNOVATIVE CITADEL LIMITED
 30 APR 2025
 30 APR 2025

DK

G: TECHNICAL SCHEDULE OF ITEMS TO BE SUPPLIED

1. The technical schedule shall be submitted by tenderers to facilitate and enable the Project Manager to evaluate the tenders, especially where the tenderer intends to supply or has based his tender sum on equipment which differs in manufacture, type or performance from the specifications indicated by the Project Manager/Engineer.
2. This schedule shall form part of the technical evaluation criterion, and tenderers are therefore advised to complete the schedule as they shall be considered non responsive.

NB. The tenderer must complete in full the technical schedule. Apart from the information required in the technical schedule, the tenderer **MUST SUBMIT LEGIBLE** comprehensive manufacturer's technical brochures and performance details for all items listed in this schedule and **CLEARLY HIGHLIGHT THE SPECIFIC REQUIRED ITEM ONLY**.

S/NO	DESCRIPTION	MANUFACTURER	COUNTRY OF ORIGIN	REMARKS (Catalogue No. etc.)
A	Water Closet	COTTON	Kenya	material
B	Wash Hand Basin	COTTON	Kenya	
C	Pillar Tap			
D	Hand Drier	A-SKO	INDIA	
E	Kitchen Sink	RATNA	INDIA	
F	Automatic Fire Extinguisher	NIMLOD WAFU	KENYA	
G	High Wall Indoor Unit Type Air Conditioner	HP	USA	
H	Ceiling Concealed Indoor Unit	HP	USA	
1	Type Air Conditioner Refrigerant	HP	USA	
	<div style="border: 1px solid black; padding: 5px;"> <p>INNOVATIVE CITADEL LIMITED</p> <p>P.O. Box 525 - 00517, KENYA</p> <p>CUINTAARU GARDEN KENYA</p> </div>	<p>MISI COSI</p> <p>AFRICA</p>	Kenya	material above

for all the items in the

schedule of m

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1 KEY PERSONNEL

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

POSITION	NAME	YEARS OF EXPERIENCE (GENERAL)	YEARS OF EXPERIENCE IN PROPOSED POSITION
1.	SHARON JEPKOECH DIRECTOR	20 years	7 years
2.			
3.	ERIC MUTURI PROJECT MANAGER	12 years	3 years
4.	MAINA BOLSON CHIEF	3 years	3 years
5.			
6.7.	MECHANICAL ENGINEER		
	Plumber & Pipe Layer	38 years	30 years
8.			24 years
9.	Stephen G. Kugonyi	27 years	
10.	Andrew Kimani Ajem Plumbers	15 years	12 years
	Director		
	Jonathan Shitani Subeyi	17 years	

INNOVATIVE CITADEL LIMITED

I certify that the above information is correct.

P. O. Box 525 - 00517,
UHURU GARDEN, KENYA

ADEPT ENGINEERS
LIMITED
P. O. Box 5932 - 00100
NAIROBI, KENYA

Title

Signature

Date


INNÓVATIVE CITADEL
LIMITED ADEPT ENGINEERS

LIMITED
P.O. Box 5932-
00100NAIROBI, KENYA

P. O. Box 525 - 00517,
UHURU GARDEN, KENYA

Dh

PROPOSED OFFICE FITOUT AND PARTITIONING WORKS FOR COMMUNICATIONS AUTHORITY WESTERN REGION OFFICES
(WRO) AT ELDORET

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS	CTS
	<u>FURNITURE</u>					
	<u>The following Furniture are provisional costed and are to be spent/deducted in whole or in part at the discretion of the</u>					
A	Allow for Kenya shillings Twelve Million					
B	(Kshs.12,000,000.00) only for Furniture		SUM		12,000,000	
	Allow for Kenya shillings Sixteen Million Five Hundred Thousand (Kshs.16,500,000.00) only for Furniture CAK Headquarter		SUM		16,500,000	
						

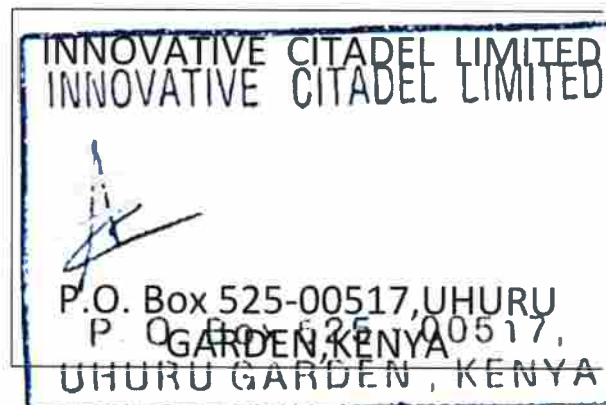
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	TOTAL FURNITURE CARRIED TO GRAND SUMMARY				26,500,000
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DK

BILL NO.7


PROVISIONAL SUMS



506

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PROPOSED OFFICE FITOUT AND PARTITIONING WORKS FOR COMMUNICATIONS AUTHORITY WESTERN REGION OFFICES
(WRO) AT ELDORET

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS	CTS
	<u>PROVISIONAL SUMS</u>					
	<u>The following provisional sums to be spent/deducted in whole or in part at the discretion of the Project Manager</u>					
A	Allow for Kenya shillings Three Million (Kshs.3,000,000.00) only for Contingency Sum		SUM		3,000,000	
B	Allow for Kenya shillings One Million (Kshs.1,000,000.00) only for branding		SUM		1,000,000	
C	Allow for Kenya shillings One Million Five Hundred Thousand (Kshs.1,500,000.00) only for Kitchenette		SUM		1,500,000	
<div style="text-align: center;">  <p>INNOVATIVE CITADEL LIMITED 30 APR 2025 P.O. Box 525 - 00517, UHURU GARDEN, KENYA P.O. Box 525 - 00517, UHURU GARDEN, KENYA</p> </div>						

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TOTAL PROVISIONAL SUMS CARRIED TO GRAND SUMMARY				6,500,000
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DK

12/1/2010

GRAND SUMMARY



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3ILL NO.	DESCRIPTION	KSHS.CTS.	
	<u>PROPOSED OFFICE FITOUT AND PARTITIONING WORKS FOR COMMUNICATIONS AUTHORITY WESTERN REGION OFFICES (WNRO) AT ELDORET</u>		
		FOR TENDERER USE ONLY	FOR OFFICIAL USE ONLY
	<u>ESTIMATES</u>	K.SHS.	K.SHS.
1	Particular preliminaries	8,905,000	
2	Genaral preliminaries	1,400,000	
3	Builders works		
	(i) 15th Floor	2,132,695	
	(ii) Car Shed		
4	Electrical works	4,015,180	
	(i) Electrical Installation Works (Internal wiring and Fittings, Power outlets and points,Fire detection and Alarm System, Cable management System and Relocation of existing Generator)		
	(ii) ICT System Installation Works (CCTV, Structured cabling and Access Control)	4,264,150	
5	Mechanical works		
	(i)Mechanical Installations Works (Sanitary fittings,Kitchenette equipmen,t, Air conditioning Plumbing & drainage, Fire Extinguisher)		
	Furniture	6,324,850	
	Provisional Sums		
7		28,500,000	
	<u>Amount to include- Levies- 0.03% and 16% of VAT</u>		
	<u>TOTAL CARRIED TO FORM OF TENDER INCLUDING LEVIES AND TAXES (KSH)</u>	4,500,000	
		KSHS.	
		97,041,875	

DK

Amount in Words: NINETY SEVEN THOUSAND FORTY
ONE THOUSAND EIGHT HUNDRET AND
SEVENTY FIVE ONLY

Signed:

Designation: DIRECTOR

30 APR 2025

Date:

17/04/2025

P.O. Box 525 -00517,

UHURU GARDEN, KENYA

WITNESSED BY:

Name:

JOHN RAHMAN

Address:

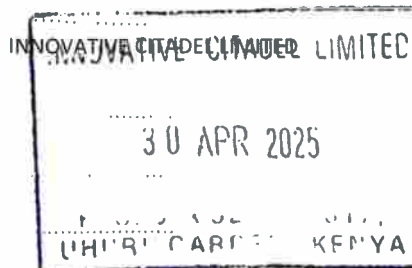


Date:

512

Official Stamp





48 401401

17/04/2025

DK

PERFORMANCE SECURITY

Beneficiary: **DIRECTOR GENERAL/CEO,
COMMUNICATIONS AUTHORITY OF KENYA,
CA CENTRE, WAIYAKI WAY,
P.O. BOX 14448-00800,
NAIROBI, KENYA.**

Date: **17TH JULY, 2025**

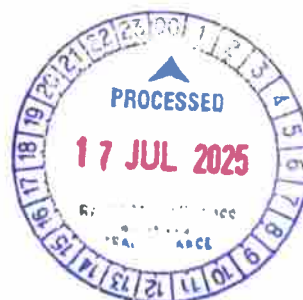
PERFORMANCE GUARANTEE No.: RMB/PBG/KYL/EV/204-25

1. We have been informed that **M/S INNOVATIVE CITADEL LIMITED** of **P.O. BOX 525-00517 UHURU GARDEN** (hereinafter called "the Contractor") has entered into Contract Tender No. **CA/SCM/RT/04/2024-2025** dated **17TH JULY, 2025** with **COMMUNICATIONS AUTHORITY OF KENYA** (the Employer as the Beneficiary), for the execution of **PROPOSED OFFICE FIT OUT AND PARTITIONING WORKS FOR THE COMMUNICATIONS AUTHORITY – WESTERN REGIONAL OFFICE (WRO) AT DAIMA TOWERS – ELDORET** (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 RAFIKI MICROFINANCE BANK LIMITED** of **P.O Box 12755-00400, NAIROBI, KENYA** having our registered office at **RAFIKI HOUSE, BIASHARA STREET, NAIROBI, KENYA**, as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of **KSHS.4,852,093.75 (KENYA SHILLINGS FOUR MILLION, EIGHT HUNDRED AND FIFTY TWO THOUSAND AND NINETY THREE AND SEVENTY FIVE CENTS ONLY)** 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 **13TH Day of APRIL, 2026** 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 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.

Yours faithfully;

For: Rafiki Microfinance Bank,


Authorized Signatory




Authorized Signatory

RAFIKI MICROFINANCE BANK LIMITED

RMB/25 36729

P.O. Box 12755-00400 Nairobi, Mobile: 0730 170 000, 0711 073 000, Email: info@rafiki.co.ke, www.rafiki.co.ke

Licensed by the Central Bank of Kenya

(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 CA/SCM/RT/04/2024-2025

Name of the Tender Title/Description: **PROPOSED OFFICE FIT OUT AND PARTITIONING WORKS FOR COMMUNICATIONS AUTHORITY WESTERN REGIONAL OFFICE (WRO) AT DAIMA TOWERS-ELDORET** to: **COMMUNICATIONS AUTHORITY OF KENYA**

30th JUNE 2025

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 hereby 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	DANIEL KIPCHUMBA	Directly-----	Directly.....	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?:	1. Exercises significant influence or control over the Company body of the Company (tenderer) Yes ✓-----No----- 2. Is this influence or
	National identity card number or Passport number	22360844	---100 % of shares	..100 % of voting rights		
	Personal Identification Number (where applicable)	A002911830L	Indirectly----- % of shares	Indirectly----- % of voting rights		
	Nationality	KENYAN				

	Date of birth [dd/mm/yyyy]	01.01.80			Direct.....	control exercised directly or indirectly? Direct.....
	Postal address	525-00517				
	Residential address	Nairobi				
	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)
	Telephone number	0722471796			Indirect.....	Indirect.....
	Email address	dancarlos007@gmail.com				
	Occupation or profession	BUSINESSMAN				
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----	1.Exercises significant influence or control over the Company body of the Company (tenderer) Yes ----No----
	National identity card number or Passport number		Indirectly----- ----- % of shares	Indirectly----- -----% of voting rights	2.Is this right held directly or indirectly?: Direct..... Indirect.....	2.Is this influence or control exercised directly or indirectly? Direct..... Indirect.....
	Personal Identification Number (where applicable)					
	Nationality(ies)					
	Date of birth [dd/mm/yyyy]					
	Postal address					
	Residential address					
	Telephone number					
	Email address					
	Occupation or profession					

5.						
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.

INNOVATIVE CITADEL LIMITED

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] **DANIEL KIPCHUMBA**

Designation of the person signing the Tender: **DIRECTOR** [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 **21st** [insert date of signing] day of **July** [Insert month], **2025** [insert year]



JAMHURIYA KENYA  **REPUBLIC OF KENYA**

SERIAL NUMBER: 702008869 ID NUMBER: 22360844

FULL NAMES: DANIEL KIPCHUMBA KIPTUM

DATE OF BIRTH: 01.01.1980

SEX: MALE

DISTRICT OF BIRTH: KEIYO

PLACE OF ISSUE: HDM CBD

DATE OF ISSUE: 30.08.2019

HOLDER'S SIGN: 

JAMHURIYA KENYA  **REPUBLIC OF KENYA**

SERIAL NUMBER: 228220854 ID NUMBER: 27262052

FULL NAMES: JENTRIX JEPKEHBOI KIMITE

DATE OF BIRTH: 01.07.1969

SEX: FEMALE

DISTRICT OF BIRTH: VINCA

PLACE OF ISSUE: CENTRAL

DATE OF ISSUE: 10.05.2010

HOLDER'S SIGN: 


DISTRICT
KEIYO SOUTH
DIVISION
CHEPKORIO
LOCATION
KAPTARAKWA
SUB-LOCATION
SINGORE



PRINCIPAL REGISTRAR'S SIGN *[Signature]* T0303143485

IDKYA7020088692<<2841<<<<<4712
8001014M1908309<B022360844R<<3
DANIEL<KIPCHUMBA<KIPTUM<<<<<<<

DISTRICT
VIHIGA
DIVISION
TIRIKI WEST
LOCATION
GISAMBAI
SUB-LOCATION
GINOMOI



PRINCIPAL REGISTRAR'S SIGN *[Signature]* N. B027262052S 0045412411

IDKYA2282209540<<847<<<<<<<411
8907079F1005105<B027262052S<<2
JENTRIX<JEPKEMBOI<KIMITEI<<<<<