



**UNITED REPUBLIC OF TANZANIA  
MINISTRY OF NATURAL RESOURCES AND  
TOURISM  
TANZANIA FOREST SERVICES (TFS) AGENCY**



**CONTRACT NO. AE-068/2021-2022/HQ/TCRP/W/02/02**

**BETWEEN**

**TANZANIA FOREST SERVICES AGENCY  
P. O. Box 40832,  
Dar es Salaam, Tanzania**

**AND**

**YESACA CIVIL AND BUILDING WORKS COMPANY,  
P.O BOX 105398,  
DAR-ES-SALAAM**

**REHABILITATION OF ACCESS ROAD AND NATURE TRAILS AT AMANI  
NATURE RESERVE.**

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## Form of Contract

This Contract, made the <sup>05<sup>th</sup></sup> day of January, 2022 between Tanzania Forest Services Agency, P.O BOX 40832, Dar-es-Salaam (hereinafter called "the Employer") and Yesaca Civil and Building Works Company, P.O BOX 105398, Dar-es-Salaam (hereinafter called "the Contractor") of the other part.

Whereas the Employer is desirous that the Contractor execute Rehabilitation of Access road and Nature trails at Amani Nature Reserve for contract no. AE-068/2021-2022/HQ/TCRP/W/02/02 (hereinafter called "the Works") and the Employer has accepted the Tender by the Contractor for the execution and completion of such works and the remedying of any defects therein in the sum of Tanzania shillings 295,268,000 (Two Hundred Ninety Five Million Two Hundred Sixty Eight Thousand Only) (hereinafter called "Contract Price").

Now this Agreement witnesseth as follows:

1. In this Contract, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.
  - a. Form of Contract;
  - b. the Letter of Acceptance;
  - c. Tender Submission Form
  - d. the Special Conditions of Contract (SCC)
  - e. the General Conditions of Contract (GCC)
  - f. Bill of Quantities
  - g. Specifications
  - h. Drawings
  - i. Other documents as specified in SCC clause 3.
2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all respects with the provisions of the Contract.
3. the Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects wherein the Contract Price of Tanzania shillings 295,268,000 (Two Hundred Ninety Five Million Two Hundred Sixty Eight Thousand Only) VAT inclusive payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

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

SIGNED by the said CONSERVATION COMMISSIONER for and on behalf of the Employer.

Name: PROF. DOSSANVIOS SILAHO

Signature: [Signature]

Occupation: CONSERVATION COMMISSIONER

Date: 05<sup>TH</sup> JANUARY 2022

In the Presence of

Name: DAVID MUNG'ONGO

Signature: [Signature]

Designation: MANAGER, LEGAL SERVICES,

SIGNED by the said for and on behalf of the 'Contractor'.

Name: PHILIP SAROTA

Signature: [Signature]

Occupation: MANAGING DIRECTOR

Date: 05<sup>TH</sup> JANUARY 2022

In the Presence of

Name: LAMECK NDOBITO

Signature: [Signature]

Designation: MANAGER

Date: 5<sup>TH</sup> JAN. 2022



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LETTER OF ACCEPTANCE

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UNITED REPUBLIC OF TANZANIA  
MINISTRY OF NATURAL RESOURCES AND TOURISM  
TANZANIA FOREST SERVICES AGENCY



Address : "TFS"  
Tel No : (+255) (022) 2928154  
Fax No : (+255) (022) 2928151  
E-mail : [mpingo@tfs.go.tz](mailto:mpingo@tfs.go.tz)

P.O. BOX. 40832  
DAR ES SALAAM

In reply please quote:  
Ref. No. AB.77/127/01

4<sup>th</sup> January, 2022

Director,  
Yesaca Civil and Building Works Company,  
P.O BOX 105398,  
**DAR-ES-SALAAM.**

**REF: LETTER OF ACCEPTANCE**

This is to notify you that your tender dated 28<sup>th</sup> December, 2021 for execution of the **Rehabilitation of Access road and Nature trails at Amani Nature Reserve for Tender No. AE-068/2021-2022/HQ/TCRP/W/02/02** as given in the *Special Conditions of Contract* for the Contract Price of the equivalent of Tanzania shillings 295,268,000 (Two Hundred Ninety Five Million Two Hundred Sixty Eight Thousand Only) Vat Inclusive as corrected and modified in accordance with the Instructions to Tenderers is hereby accepted by us.

We hereby confirming **National Construction Council (NCC) Tanzania** to be the appointing authority, to appoint the Adjudicator incase of any arisen disputes in accordance with ITT 43.1.

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

Please return the contract dully signed

Prof. Dos Santos Silayo  
**CONSERVATION COMMISSIONER**

CC: Chief Executive Officer,  
Public Procurement Regulatory Authority,  
P.O. Box 2865,  
**DODOMA.**

The Controller & Audit General,  
P.O. Box 9080,  
**DAR ES SALAAM.**

CC Attorney General,  
P.O. Box 630  
**DODOMA.**

Internal Audit General,  
P.O Box 9111,  
**DAR ES SALAAM.**

TENDER SUBMISSION FORM



**Civil And Building Contractors**

## TENDER SUBMISSION FORM

28/12/2021[date]

To: TANZANIA  
FOREST SERVICES  
AGENCY,  
P.O BOX 40832,  
DAR-ES-SALAAM

We offer to execute the quotation for rehabilitation of access road and nature trails in Amani nature forest reserve. Quotation No: AE-068/2021-2022/HQ/TCRP/W/02/02 [name and identification number of quotation] in accordance with the Conditions of Contract accompanying this Tender for the Contract Price of .....295,268,000.00.....[amount in numbers], Two hundred and Ninety Five Million ,Two Hundred , Sixty Eighty Thousand Shilling only [amount in words] in Tanzanian Shillings.

We also offer to complete the said works within a period of Three months (*delete as necessary*) that includes mobilization period.

This quotation and your written acceptance of it shall constitute a binding Contract between us. We understand that you are not bound to accept the lowest or any quotation you receive.

We agree to abide by this Quotation for the Validity Period specified in ITT 7, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

We are not participating in more than one Quotation in this process, other than alternative offers in accordance with the Quotation Documents.

We declares that our quoted price did not involve agreement with other tenderers for the purpose of tender suppression.

We hereby confirm that this quotation complies with the conditions required by the invitation for quotations.

Authorized Signature: .....

Name and Title of Signatory: PHILLIP SAROTA MANAGING DIRECTOR

Name of Tenderer: YESACA CIVIL AND BUILDING WORKS CO.LTD

Address: P.O BOX 105398 DAR ES SALAA

SECTION V: SPECIAL CONDITIONS OF CONTRACT

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## Special Conditions of Contract (SCC)

The following Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the General Conditions of Contract. Except where otherwise indicated, all Special Conditions of Contract should be filled in by the Employer prior to issuance of the Tendering Documents. Schedules and reports to be provided by Employer should be annexed.

SCC Clause	GCC Clause	Description
1	1.1	<p style="text-align: center;"><b>A. General</b></p> <p>The Employer is Conservation Commissioner, Tanzania Forest Services Agency (TFS) P. O. Box 40832, DAR ES SALAAM.</p> <p>The Adjudicator is National Construction Council</p> <p>The Defects Liability Period is <i>180 days</i>.</p> <p>The Project Manager is: Chief Executive Tanzania Rural and Urban Roads Agency (TARURA), P. O. Box 11042, DODOMA.</p> <p>The Works consist of Rehabilitation of Access Road and Nature Trails in Amani Nature Forest Reserve</p> <p>The Start Date shall be shall be 14 days after the contract signing, submission of acceptable performance bond and upon receipt of order to commence from project manager.</p> <p>The Intended Completion Date for the whole of the Works shall be Three (3) months from commencement date.</p> <p>The Site is located at Amani Forest Muheza District in Tanga Region</p>

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2.	2.2	Sectional completion is not specified
3.	2.3(10)	List other documents that form part of the contract if any: a) Minutes of Pre-contract negotiation meeting if any b) Power of attorney c) Technical Personnel d) Work program e) Integrity
4.	4.1	The language of the Contract documents is <i>English</i> . The law that applies to the Contract is the <b>Laws of Tanzania</b> .
5	8.1	Address for communication Employer's <b>Conservation Commissioner,</b> <b>Tanzania Forest Services Agency (TFS)</b> <b>P. O. Box 40832,</b> <b>DAR ES SALAAM</b>  Contractor's ( <i>To be inserted later</i> )
6.	12.1	Include the Schedule of Other Contractors, if any. <b>Not Applicable</b>
7.	13.1	Include the Schedule of Key Personnel. <b>1. Site Agent</b> <b>2. Site Technician</b> <b>3. Site Foreman</b>
8.	17.1	The minimum insurance covers shall be:  (a) loss of or damage to the Works, Plant, and Materials <i>Tzs. 2,000,000.00</i> ; (b) loss of or damage to Equipment <i>Tzs. 2,000,000.00</i> ; (c) loss of or damage to property (except the Works, Plant, Materials, and Equipment) in connection with the Contract <i>Tzs. 3,000,000.00</i> ; and (d) personal injury or death <i>Tzs. 5,000,000.00</i> .
9.	18.1	Site Investigation Reports available to the Tenderer are: <b>Not Applicable</b>
	25.1	Unless otherwise state tax payment status: <b>to be paid by</b>

		<b>the Contractor</b>
10.	26.4	The other measures include: a. Minimizing the number of migrant workers employed on the project and household in the site camp b. Providing access to voluntary counseling and testing (VCT) c. Providing psychological support and health care including prevention and treatment of opportunistic infections for workers infected and affected, as well as their families d. Providing condoms (male and female) to workers
11.	28.1	The Site Possession Date shall be <b>Within fourteen calendar days after signing the contract and after submission of acceptable Performance Security.</b>
12.	32.2	If either Party is dissatisfied with the Adjudicator's decision may, refer the dispute for arbitration within thirty (30) Calendar days
13	31.1	Appointing Authority for the Adjudicator: <b>National Construction Council (NCC) Tanzania</b>
14.	32.3	Arbitration will take place at <i>Dar es Salaam</i> in accordance with rules and regulations published by <b>National Construction Council (NCC) Tanzania</b> <i>using the rules and regulations of Institute of Arbitrators Tanzania</i>
15.	35.1	Security of the site shall be the <b>contractor's onuses</b>
<b>B. Time Control</b>		
16.	36.1	The Contractor shall Submit a Programme for the Works within fourteen (14) days of delivery of the Letter of Acceptance.
17.	36.2	The period between Programme updates is <b>thirty (30) calendar.</b>



18.	36.2	The amount to be withheld by the Project Manager in the case the contractor does not submit an updated programme is: <b>Tanzanian Shillings One Million (TZS 1,000,000.00) only</b>
<b>C. Quality Control</b>		
19.	44.1	The Defects Liability Period is One hundred eighty (180) calendar days..
<b>D. Cost Control</b>		
20	52.7	Minimum Amount of Interim Payment Certificate will be Ten (10) percent of Contract Price
21	54.1	The currency of payment shall be <b>Tanzania Shillings (TZS)</b>
22.	57	The contract <i>is not</i> subject to price adjustment.
23.	58.1	The amount of retention is <b>Ten (10) percent</b> of value of works of Interim Payment Certificate.  Limit of retention will be <b>Ten (10) percent of Contract Price.</b>

24.	59.1	The amount of liquidated damages per day is 0.1% of the <b>contract price per day.</b>
		The maximum amount of liquidated damages is 10% of the <b>final Contract Price</b>
25.	60.1	The bonus for early completion is <b>Not Applicable</b>
26.	61.1	The amount of advance payment shall be 15 per cent of the contract sum payable <b>after Submission of acceptable unconditional Advance Payment bank guarantee</b>
		Monthly Recovery of Advance Payment: 20 percent of amount of Interim Payment Certificate.
27.	62.1	The Performance Security shall be the minimum amounts equivalent to <b>Fifteen (15) Percent</b> of the Contract Price for performance bond or 10 percent for <b>Bank Guarantee.</b>
		The performance security shall be submitted within <b>fourteen days (14) working days after signing the contract</b>
28	66.1	Contractor shall handover the site and the works to the Employer within <b>Seven (7) calendar days after the Project</b>



<b>Manager issuing the Certificate of Completion</b>		
<b>E. Discharge of the Contract</b>		
<b>29.</b>	<b>68.1</b>	As built drawings shall be supplied by the contractor by. <b>Not Applicable</b>  Operating manual shall be supplied by the contractor by <b>Not Applicable</b>
<b>30.</b>	<b>68.2</b>	The amount to be withheld by the Project Manager in the case the contractor does not submit as built drawings is: <b>Not Applicable</b>  The amount to be withheld by the Project Manager in the case the contractor does not submit operating manual is: <b>Not Applicable</b>
<b>31.</b>	<b>69.2 (i)</b>	Number of days for which the maximum amount of liquidated damages can be paid is <i>100 Days</i>
<b>32.</b>	<b>70.1</b>	The percentage to apply to the value of the work not completed, representing the Employer's additional cost for completing the Works, is <i>5 percent</i>

GENERAL CONDITION OF CONTRACT (GCC)

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**A. General**

<p><b>1. Definition</b></p>	<p>The following words and expressions shall have the meanings hereby assigned to them:</p> <p>The <b>Adjudicator</b> is the person appointed by the appointing Authority specified in the Special Conditions of Contract (SCC), to resolve contractual disputes in the first instance, and as provided for in GCC 31 and 32 hereunder.</p> <p>The <b>Arbitrator</b> is the person appointed to resolve contractual disputes, and as provided for in GCC 32 hereunder.</p> <p><b>Bill of Quantities</b> means the priced and completed Bill of Quantities forming part of the Tender.</p> <p><b>Compensation Events</b> are those events provided for in GCC 55.</p> <p>The <b>Completion Date</b> is the date of completion of the Works as certified by the Project Manager, in accordance with GCC 21.1</p> <p>The <b>Commencement Date</b> is the date when the Contractor shall commence execution of the Works as specified in the <b>Notice of Contract Commencement</b>. The Commencement Date may be revised by the Project Manager in consultation with the employer by issuing an extension of time.</p> <p>The <b>Contract</b> is the Contract entered between the Employer and the Contractor to execute, complete, and maintain the Works. It consists of the documents listed in GCC 2.3 below.</p> <p>The <b>Contractor</b> is a person whether natural or legal whose Tender to carry out the Works has been accepted by the Employer.</p> <p>The <b>Contractor's Tender</b> is the completed tendering document submitted by the Contractor to the Employer.</p> <p>The <b>Contract Price</b> is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.</p>
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**Days** are calendar days; **Months** are calendar months.

**Dayworks** are varied work inputs subject to payment on a time basis for the Contractor's employees and Equipment, in addition to payments for associated Materials and Plant.

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

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

The **Defects Liability Period** is the period named in the SCC and calculated from the Completion Date.

**Drawings** means the drawings of the works, as included in the contract and any additional or modified drawings issued by (or on behalf of) the Employer in accordance with the contract.

**Effective Contract date** is the date shown in the notice of Contract Commencement issued by the Employer upon fulfillment of the conditions precedent stipulated in Clause 3 of the GCC.

The **Employer** is the person named as employer in the SCC and the legal successors in title to this person.

**Equipment** is the Contractor's machinery and vehicles brought to the Site to execute the Works.

**Force Majeure** means an unforeseeable event which is beyond reasonable control of either Party and which makes a Party's performance of its obligations under the Contract impossible or so impractical as to be considered impossible under the circumstances.

For the purposes of this Contract, "Force Majeure" means an event which is beyond the reasonable control of a Party, is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of a Party, and which makes a Party's performance of its obligations hereunder impossible or so impractical as reasonably to be considered impossible in the circumstances; and includes, but is

not limited to, war, riots, civil disorder, earthquake, fire, explosion, storm, flood, epidemics, or other adverse weather conditions, strikes, lockouts or other industrial action (except where such strikes, lockouts or other industrial action are within the power of the Party invoking Force Majeure to prevent), confiscation.

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

**Materials** are all supplies, including consumables, used by the Contractor for execution of the Works.

**Plant** is any integral part of the Works that shall have a mechanical, electrical, chemical, or biological function.

The **Project Manager** is the person named in the SCC (or any other competent person appointed by the Employer and notified to the Contractor, to act in replacement of the Project Manager) who is responsible for supervising the execution of the Works and administering the Contract.

The **Site** is the area where works are to be executed as specified in the SCC.

**Site Investigation Reports** are factual and interpretative reports about the surface and subsurface conditions at the Site that were included in the Tendering documents as indicated in the SCC.

**Specification** means the Specification of the Works included in the Contract and any modification or addition made or approved by the Project Manager.

The **Start Date** is given in the SCC. It is the latest date when the Contractor shall commence execution of the Works. It does not necessarily coincide with any of the Site Possession Dates.

A **Subcontractor** is a person whether natural or legal who has a Contract with the Contractor to

	<p>carry out a part of the work in the Contract, which includes work on the Site.</p> <p><b>Temporary Works</b> are works designed, constructed, installed, and removed by the Contractor that are needed for construction or installation of the Works.</p> <p>A <b>Variation</b> is an instruction given by the Project Manager in consultation with the Employer, that varies the Works.</p> <p>The <b>Works</b> are what the Contract requires the Contractor to construct, install, and turn over to the Employer, as defined in the SCC.</p>
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<b>2. Interpretation</b>	<p>2.1 In interpreting these Conditions of Contract headings and marginal notes are used for convenience only and shall not affect their interpretations unless specifically stated; references to singular include the plural and vice versa; and masculine include the feminine. Words have their ordinary meaning under the language of the Contract unless specifically defined.</p> <p>2.2 If sectional completion is specified in the SCC, references in the Conditions of Contract to the Works, the Completion Date, and the Intended Completion Date apply to any Section of the Works (other than references to the Completion Date and Intended Completion Date for the whole of the Works).</p> <p>2.3 The documents forming the Contract shall be interpreted in the following order of priority:</p> <ol style="list-style-type: none"><li>(1) Form of Agreement,</li><li>(2) Special Conditions of Contract,</li><li>(3) General Conditions of Contract,</li><li>(4) Letter of Acceptance,</li><li>(5) Certificate of Contract Commencement,</li><li>(6) Specifications,</li><li>(7) Drawings,</li><li>(8) Bill of Quantities,</li><li>(9) Contractor's Tender, and</li><li>(10) Any other document listed in the Special Conditions of Contract as forming part of the Contract.</li></ol>
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<p><b>3. Conditions Precedent</b></p>		<p>3.1 Having signed the Contract, it shall come into effect on the date on which the following conditions have been satisfied:-</p> <p>a) Submission of performance Security in the form specified in the SCC; and</p> <p>b) Furnishing of Unconditional Advance Payment Guarantee.</p> <p>3.2 If the Conditions precedent stipulated on GCC 3.1 is not met by the date specified in the SCC this contract shall not come into effect;</p> <p>3.3 If the Employer is satisfied that each of the conditions precedent in this contract has been satisfied (except to the extent waved by him, but subject to such conditions as he shall impose in respect of such waiver)he shall promptly issue to the contractor a certificate of Contract commencement, which shall confirm the start date.</p>
<p><b>4. Language and Law</b></p>		<p>4.1 The language of the Contract and the law governing the Contract are stated in the SCC.</p>
<p><b>5. Confidentiality</b></p>		<p>5.1 The Service Providers, their Subcontractors, and the Personnel of either of them shall not disclose any proprietary or confidential information relating to the Project, the Services, this Contract, or the Employer's business or operations without the prior written consent of the Employer.</p>
<p><b>6. Project Manager's role</b></p>		<p>6.1 Except where otherwise specifically stated, the Project Manager will supervise execution of the contract between the Employer and the Contractor. The Project Manager shall have no authority to amend the contract.</p>
<p><b>7. Delegation</b></p>		<p>7.1 The Project Manager may upon prior consent of the employer and after notifying the contractor, delegate any of his duties and responsibilities to other people except to the Adjudicator, and may cancel any delegation after notifying the Contractor.</p>



8. Communications		8.1 Communications between the Parties to the Contract shall be effective only when in writing whether in hard or electronic form that provides record of the content of the communication. A notice shall be effective only when it is delivered at the address specified in the SCC.
9. Subcontracting		9.1 The Contractor may subcontract with the approval of the Project Manager, subject to consultation with the Employer. Subcontracting shall not alter the Contractor's obligations.
10. Assignment		10.1 The Contractor shall not assign, transfer, pledge or make other disposition of this Contract or any part thereof, or any of the Contractor's rights, claims or obligations under this Contract except with the prior written consent of the Employer.
11. Liability of Joint Venture		<p>11.1 If the Contractor constitutes a joint venture, consortium or other unincorporated grouping of two or more persons:</p> <ul style="list-style-type: none"> <li>(a) These persons shall be jointly and severally liable to the Employer for the performance of the Contract;</li> <li>(b) These person shall notify the Employer of their leader who shall have the authority to bind the Contractor and each of these persons; and</li> <li>(c) The Contractor shall not alter its composition or legal status without the prior consent of the Employer.</li> </ul>
12. Other Contractors		12.1 The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities, and the Employer between the dates given in the Schedule of Other Contractors, as referred to in the SCC. The Contractor shall also provide facilities and services for them as described in the Schedule. The Employer may modify the Schedule of Other Contractors, and shall notify the Contractor of any such modification

<p><b>13. Personnel</b></p>		<p>13.1 The Contractor shall employ the key personnel named in the Schedule of Key Personnel, as referred to in the SCC, to carry out the functions stated in the Schedule or other personnel approved by the Project Manager. The Project Manager will approve any proposed replacement of key personnel only if their relevant qualifications and abilities are substantially equal to or better than those of the personnel listed in the Schedule.</p> <p>13.2 If the Project Manager asks the Contractor to remove a person who is a member of the Contractor's staff or work force, stating the reasons for, the Contractor shall ensure that the person leaves the Site within seven days and has no further connection with the work in the Contract.</p>
<p><b>14. Employer's and Contractor's Risks</b></p>		<p>14.1 The Employer carries the risks which this Contract states are Employer's risks, and the Contractor carries the risks which this Contract states are Contractor's risks.</p>

<p><b>15. Employer's Risks</b></p>	<p>15.1 From the Start Date until the Defects Correction Certificate has been issued, the following are Employer's risks:</p> <ul style="list-style-type: none"> <li>(a) The risk of personal injury, death, or loss of or damage to property (excluding the Works, Plant, Materials, and Equipment), which are due to <ul style="list-style-type: none"> <li>(i) use or occupation of the Site for the purpose of the Works, which is the unavoidable result of the Works or</li> <li>(ii) negligence, breach of statutory duty, or interference with any legal right by the Employer or by any person employed by or contracted to him except the Contractor.</li> </ul> </li> <li>(b) The risk of damage to the Works, Plant, Materials, and Equipment to the extent that it is due to a fault of the Employer or in the Employer's design,</li> </ul> <p>15.2 From the Completion Date until the Defects Correction Certificate has been issued, the risk of loss of or damage to the Works, Plant, and Materials is an Employer's risk except loss or damage due to</p> <ul style="list-style-type: none"> <li>(i) a Defect which existed on the Completion Date,</li> <li>(ii) an event occurring before the Completion Date, which was not itself an Employer's risk, or</li> <li>(ii) the activities of the Contractor on the Site after the Completion Date.</li> </ul>
<p><b>16. Contractor's Risks</b></p>	<p>16.1 From the Starting Date until the Defects Correction Certificate has been issued, the risks of personal injury, death, and loss of or damage to property (including, without limitation, the Works, Plant, Materials, and Equipment) which are not Employer's risks are Contractor's risks.</p>

<p><b>17. Insurance</b></p>	<p>17.1 The Contractor shall provide, in the joint names of the Employer and the Contractor, insurance cover from the Start Date to the end of the Defects Liability Period, in the amounts and deductibles stated in the SCC for the following events which are due to the Contractor's risks:</p> <ul style="list-style-type: none"> <li>(a) loss of or damage to the Works, Plant, and Materials;</li> <li>(b) loss of or damage to Equipment;</li> <li>(c) loss of or damage to property (except the Works, Plant, Materials, and Equipment) in connection with the Contract; and</li> <li>(d) personal injury or death.</li> </ul> <p>17.2 Policies and certificates for insurance shall be delivered by the Contractor to the Project Manager for the Project Manager's approval before the Start Date. All such insurance shall provide for compensation to be payable in the types and proportions of currencies required to rectify the loss or damage incurred.</p> <p>17.3 If the Contractor does not provide any of the policies and certificates required, the Employer may effect the insurance which the Contractor should have provided and recover the premiums the Employer has paid from payments otherwise due to the Contractor or, if no payment is due, the payment of the premiums shall be a debt due.</p> <p>17.4 Alterations to the terms of insurance shall not be made without the approval of the Project Manager.</p> <p>17.5 Both parties shall comply with any conditions of the insurance policies.</p>
<p><b>18. Site Investigation Reports</b></p>	<p>18.1 The Contractor shall, in executing the contract, rely on Site Investigation Reports referred to in the SCC and any supplemented information available to the Contractor.</p>
<p><b>19. Queries about Implementation of Contract</b></p>	<p>19.1 The Project Manager will clarify queries on all contractual matters.</p>

20. Contractor to execute the Works		20.1 The Contractor shall execute and install the Works in accordance with the Terms and Conditions of Contract.
21. Commencement and Completion of the Works		21.1 The Contractor may commence execution of the Works on the Start Date and shall carry out the Works in accordance with the Works Programme submitted by the Contractor, as updated with the approval of the Project Manager, and complete them by the Intended Completion Date.
22. Approval by the Project Manager		<p>22.1 The Contractor shall submit Specifications and Drawings showing the proposed Temporary Works to the Project Manager, who is to approve them if they comply with the Specifications and Drawings.</p> <p>22.2 The Contractor shall be responsible for design of Temporary Works.</p> <p>22.3 The Project Manager's approval shall not alter the Contractor's responsibility for design of the Temporary Works.</p> <p>22.4 The Contractor shall obtain approval of third parties to the design of the Temporary Works, where required.</p> <p>22.5 All Drawings prepared by the Contractor for the execution of the temporary or permanent Works, are subject to prior approval by the Project Manager before their use.</p>
23. Protection of the Environment		23.1 The Contractor shall take all reasonable steps to protect the environment and to limit damage and nuisance to people and property resulting from pollution, noise and other results of his operations.
		23.2 The Contractor shall ensure that emissions, surface discharges and effluent from his activities shall not exceed limits prescribed in relevant environmental laws.

24. Labour Laws		<p>24.1 The Contractor shall comply with all the relevant labour laws applicable in the Country, including laws relating to workers employment, working hours, health, safety, welfare, immigration and shall allow them all their legal rights.</p> <p>24.2 The Contractor shall require his employees to obey all applicable laws, including those concerning safety at work.</p>
25. Taxes and Duties		25.1 The Contractor, Sub-contractors and Personnel shall pay such taxes, duties, fees and other impositions as may be levied under the Laws of Tanzania unless otherwise stated in the SCC.
26 Health and Safety		26.1 The Contractor shall at all times take all reasonable precautions to maintain the health and safety of his personnel and the public as per the governing occupational, health and safety laws.
		<p>26.2 The Contractor shall ensure that first aid facilities are available at all times at the site and that suitable arrangements are made for all necessary welfare and hygiene requirements and for the prevention of epidemics.</p> <p>26.3 The Contractor shall notify the Employer 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 the property, as the Employer may reasonably require.</p> <p>26.4 The Contractor shall conduct an HIV-Aids awareness programme, and shall take other such measures as specified in the SCC to reduce the risk of transfer of HIV virus between and among Contractor personnel, the Employers Staff and the surrounding community.</p>



27 Discoveries		27.1 Anything of historical or other interest or of significant value unexpectedly discovered on, in, or under the land at the Site shall be the property of the Employer. The Contractor shall notify the Project Manager of such discoveries and carry out the Project Manager's instructions for dealing with them.
28 Possession of the Site		28.1 The Employer may give possession of whole or parts of the Site to the Contractor as stated in the SCC. If possession is not given by the date stated in the SCC, the Employer will be deemed to have delayed the start of the relevant activities, and this may be a Compensation Event.
29 Access to the Site		29.1 The Contractor shall allow the Project Manager and any person authorized by the Project Manager access to the Site and to any place where work in connection with the Contract is being carried out or is intended to be carried out.
30 Instructions, Inspections and Audits		<p>30.1 The contractor shall comply with instructions given by the Project Manager in writing on any matter related to the contract which comply with the applicable laws where the Site is located.</p> <p>30.2 The Contractor shall permit the Government of the United Republic of Tanzania to inspect the Contractor's accounts and records relating to the performance of the Contractor and to have them audited by auditors appointed by the Government of the United Republic of Tanzania, if so required by the Government of the United Republic of Tanzania</p>
31 Disputes Resolution		31.1 In the event of any dispute arising out of this contract, either party shall issue a notice of dispute to settle the dispute amicably. The parties hereto shall, within twenty eight (28) days from the notice date, use their best efforts to settle the dispute amicably through mutual consultations and negotiation. Any unsolved dispute may be referred by either party to an adjudicator nominated by the appointing Authority specified in SCC.

<p><b>32 Procedure for disputes</b></p>		<p>32.1 After the dispute has been referred to the adjudicator, within 30 days, or within such other period as may be proposed by the Parties, the Adjudicator shall give its decision. The rendered decision shall be binding to the Parties.</p> <p>32.2 If either Party is dissatisfied with the Adjudicator's decision may, within days specified in the SCC refer the dispute for arbitration. If either party within the period mentioned in the SCC has not referred the matter for arbitration the decision shall become final and binding to the Parties.</p>
		<p>32.3 The arbitration shall be conducted in accordance with the arbitration procedure published by the institution named and in the place shown in the SCC.</p>

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33 Fees and Costs of Adjudicator		33.1 The rate of the Adjudicator's fee and administrative costs of adjudication shall be borne equally by the Parties. The rates and costs shall be in accordance with the rules of the Appointing Authority. In conducting adjudication to its finality each party shall bear its incurred costs and expenses.
34 Replacement of Adjudicator		34.1 Should the Adjudicator resign or die, or should the Employer and the Contractor agree that the Adjudicator is not functioning in accordance with the provisions of the Contract; a new Adjudicator will be appointed by the Appointing Authority.
35 Security of the Site		<p>35.1 Unless otherwise stated in the SCC,</p> <ul style="list-style-type: none"> <li>(a) the Contractor shall be responsible for keeping unauthorised persons off the site, and</li> <li>(b) authorised persons shall be limited to the Contractor's and Employer's personnel, and to any other personnel and other Contractor notified to the Contractor by the Project Manager or Employer.</li> </ul>
		<b>B. Time Control</b>
36 Programme		36.1 Within the time stated in the SCC, the Contractor shall submit to the Project Manager for approval of a Work Programme showing the method(s), arrangements, order, and timing for all the activities of the Works.
		36.2 The Contractor shall submit to the Project Manager for approval an updated Works Program at intervals not longer than the period stated in the SCC. If the Contractor does not submit an updated Works Program within this period, the Project Manager may withhold the amount stated in the SCC from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue Program has been submitted.



		36.3 An update of the Works Program shall be a program showing the actual progress achieved on each activity and the effect of the progress achieved on the timing of the remaining work, including any changes to the sequence of the activities.
		36.4 The Project Manager's approval of the Programme shall not alter the Contractor's obligations. The Contractor may revise the Programme and submit it to the Project Manager again at any time. A revised Programme shall show the effect of Variations and Compensation Events
37 Extension of the Intended Completion Date		37.1 The Employer may extend the Intended Completion Date if a Compensation Event occurs or a Variation is issued which makes it impossible for Completion to be achieved by the Intended Completion Date without the Contractor taking steps to accelerate the remaining work, which would cause the Contractor to incur additional cost.
		37.2 The Employer shall, within twenty one (21) days of receipt of application for extension of the Intended Completion Date by the Contractor, decide whether or not to grant the extension. The application by the Contractor shall be granted only when supported by full information of a compensation event(s) or variation.
		37.3 In the event the Contractor has not issued an early warning notice of a delay or has failed to cooperate in dealing with a delay, such a delay or failure may be a ground for not granting the extension of the Intended Completion Date

<p><b>38 Acceleration</b></p>	<p>38.1 When the Employer wants the Contractor to finish the works before the Intended Completion Date, the Project Manager will obtain priced proposals for achieving the necessary acceleration from the Contractor. If the Employer accepts the said proposals, the Intended Completion Date will be adjusted accordingly and confirmed by both the Employer and the Contractor.</p> <p>38.2 In the event that the Contractor's priced proposals for an acceleration of the Works are accepted by the Employer, they shall be incorporated in the Contract Price and treated as a Variation.</p>
<p><b>39 Delays Ordered by the Project Manager</b></p>	<p>39.1 The Project Manager may instruct the Contractor to delay the start or progress of any activity within the Works</p> <p>39.2 During such suspension, the Contractor shall protect, store and secure such part or the Works against any deterioration, loss or damage.</p> <p>39.3 The Project Manager may also notify the cause for the suspension.</p>
<p><b>40 Management Meetings</b></p>	<p>40.1 Either the Project Manager or the Contractor may require the other to attend a management meeting. The business of a management meeting shall be to review the plans for remaining work and to deal with matters raised in accordance with the early warning procedure.</p> <p>40.2 The Project Manager shall record the business of management meetings and provide copies of the record to those attending the meeting and to the Employer. The responsibility of the parties for actions to be taken shall be decided by the Project Manager either at the management meeting or after the management meeting and stated in writing to all who attended the meeting.</p>

<p><b>41 Early Warning Notice</b></p>	<p>41.1 The Contractor shall warn the Project Manager at the earliest opportunity of specific likely future event(s) or circumstance(s) that may adversely affect the quality of the Works, increase the Contract Price or delay the execution of the Works. Upon receipt of the said Notice, the Project Manager may require the Contractor to provide an estimate of the expected effect of the future event(s) or circumstance(s) on the Contract Price and Intended Completion Date or Completion Date as the case may be. The estimate shall be provided by the Contractor as soon as reasonably possible.</p> <p>41.2 The Contractor shall cooperate with the Project Manager in making and considering proposals for how the effect of such an event(s) or circumstance(s) can be avoided or reduced by anyone involved in the Works and in carrying out any resulting Instruction of the Project Manager.</p>
	<p><b>C. Quality Control</b></p>

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<p><b>42 Identifying Defects</b></p>		<p>42.1 The Project Manager shall check the Contractor's work and notify the Contractor of any Defects that are found. Such checking shall not affect the Contractor's responsibilities.</p> <p>42.2 The Project Manager may instruct the Contractor to search for a Defect and to uncover and test any work that the Project Manager considers may have a Defect.</p>
<p><b>43 Tests</b></p>		<p>43.1 The Project Manager may instruct the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and in the event the test shows that it does, the Contractor shall pay for the test and any samples thereof. If there is no Defect, the test shall be a Compensation Event.</p>
<p><b>44 Correction of Defects</b></p>		<p>44.1 The Project Manager shall give notice to the Contractor of any Defects before the end of the Defects Liability Period stated in the SCC, which begins from the Completion date.</p> <p>44.2 Every time notice of a Defect is given, the Contractor shall correct the notified Defects within the period of time specified in the Project Manager's notice.</p> <p>44.3 If the Contractor has not corrected a defect within the time specified in the Employer's notice, a penalty for lack of performance will be paid by the Contractor. The amount to be paid will be calculated as a percentage of the cost of having the defect correct, assessed as described in GCC 46.1.</p>
<p><b>45 Extension of Defect Liability Period</b></p>		<p>45.1 The Defects Liability Period may be extended by the Project Manager for as long as Defects remain to be corrected.</p>
<p><b>46 Uncorrected Defects</b></p>		<p>46.1 In the event the Contractor has not corrected a Defect(s) within the time specified in the Project Manager's notice, the Project Manager will assess the cost of having the Defect corrected, including any other related cost(s) and the Contractor will pay the said cost.</p>

		D. Cost Control
47	Bill of Quantities	<p>47.1 The Bill of Quantities shall contain items for the construction, installation, testing, and commissioning work to be done by the Contractor.</p> <p>47.2 The Bill of Quantities is used to calculate the Contract Price. The Contractor shall be paid for the quantity of the work done at the rate in the Bill of Quantities for each item.</p>
48	Changes in the Quantities	<p>48.1 If the final quantity of the work done differs from the quantity in the Bill of Quantities for the particular item by more than 25 percent, provided the change exceeds 1 percent of the Initial Contract Price, the Project Manager shall adjust the rate to allow for the change.</p> <p>48.2 The Project Manager shall not adjust rates from changes in quantities if thereby the Initial Contract Price is exceeded by more than 15 percent, except with the prior approval of the Employer.</p> <p>48.3 If requested by the Project Manager, the Contractor shall provide the Project Manager with a detailed cost breakdown of any rate in the Bill of Quantities.</p>
49	Variations	<p>49.1 All Variations shall be included in updated Work Programmes produced by the Contractor.</p>

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<p><b>50 Payments for Variations</b></p>	<p>50.1 The Contractor shall provide the Project Manager with a quotation for carrying out the Variation when requested to do so by the Project Manager. The Project Manager shall assess the quotation, which shall be given within seven days of the request or within any longer period stated by the Project Manager and before the Variation is ordered.</p> <p>50.2 If the work in the Variation corresponds with an item description in the Bill of Quantities and if, in the opinion of the Project Manager, the quantity of work is above the limit stated in Sub-Clause 48.1 or the timing of its execution do not cause the cost per unit of quantity to change, the rate in the Bill of Quantities shall be used to calculate the value of the Variation. If the cost per unit of quantity changes, or if the nature or timing of the work in the Variation does not correspond with items in the Bill of Quantities, the quotation by the Contractor shall be in the form of new rates for the relevant items of work.</p> <p>50.3 If the Contractor's quotation is unreasonable, the Project Manager may order the Variation and make a change to the Contract Price, which shall be based on the Project Manager's own forecast of the effects of the Variation on the Contractor's costs.</p> <p>50.4 If the Project Manager decides that the urgency of varying the work would prevent a quotation being given and considered without delaying the work, no quotation shall be given and the Variation shall be treated as a Compensation Event.</p> <p>50.5 The Contractor shall not be entitled to additional payment for costs that could have been avoided by giving early warning Notice.</p>
<p><b>51 Cash Flow Forecasts</b></p>	<p>51.1 When the Works Programme is updated, the Contractor shall provide the Project Manager with an updated cash flow forecast. The cash flow forecast shall include different currencies, as defined in the Contract, converted as necessary using the Contract exchange rates.</p>

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<p>52 Payment Certificates</p>	<p>52.1 The Contractor shall submit to the Project Manager monthly statements of the estimated value of the work executed less the cumulative amount certified previously.</p> <p>52.2 The Project Manager shall check the Contractor's monthly statement and certify the amount to be paid to the Contractor within twenty eight (28) days of receipt of the certificate from the contractor.</p> <p>52.3 The value of work executed shall be determined by the Project Manager.</p> <p>52.4 The value of work executed shall comprise the value of the quantities of the items in the Bill of Quantities completed.</p> <p>52.5 The value of work executed shall include the valuation of Variations and Compensation Events.</p> <p>52.6 The Project Manager may exclude any item certified in a previous certificate or reduce the proportion of any item previously certified in any certificate in the light of later information.</p> <p>52.7 The Project Manager shall not be bound to certify any payment, if the net amount, after all retentions and deductions would be less than minimum amount of Interim Payment Certificate stated in the SCC.</p>
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<p><b>53 Payments</b></p>	<p>53.1 Payments shall be adjusted for deductions for advance payments and retention. The Employer shall pay the Contractor the amounts certified by the Project Manager within 28 days of the date of each certificate. If the Employer makes a late payment, the Contractor shall be paid interest on the late payment in the next payment. Interest shall be calculated from the date by which the payment should have been made up to the date when the late payment is made at the prevailing rate of interest issued by the Bank of Tanzania on the date of Contract signature for each of the currencies in which payments are made.</p> <p>53.2 If an amount certified is increased in a later certificate or as a result of an award by the Adjudicator or an Arbitrator, the Contractor shall be paid interest upon the delayed payment as set out in this clause. Interest shall be calculated from the date upon which the increased amount would have been certified in the absence of dispute.</p> <p>53.3 Unless otherwise stated, all payments and deductions will be paid or charged in the proportions of currencies comprising the Contract Price.</p> <p>53.4 Items of the Works for which no rate or price has been entered in will not be paid for by the Employer and shall be deemed covered by other rates and prices in the Contract.</p>
<p><b>54 Currencies</b></p>	<p>54.1 The currency of payment shall be stated in the SCC.</p> <p>54.2 Where payments are to be made in currencies other than the Tanzania Shillings, the exchange rates to be used for calculating such amounts shall be the Bank of Tanzania exchange rate prevailing on the date of contract signature</p>

<p><b>55 Compensation Events</b></p>	<p>55.1 The following shall be Compensation Events:</p> <ul style="list-style-type: none"> <li>(a) The Employer does not give access to a part of the Site by the Site Possession Date as per GCC 28.1.</li> <li>(b) The Employer modifies the Schedule of Other Contractors in a way that affects the work of the Contractor under the Contract.</li> <li>(c) The Project Manager orders a delay or does not issue Drawings, Specifications, or instructions required for execution of the Works on time.</li> <li>(d) The Project Manager instructs the Contractor to uncover or to carry out additional tests upon work, which is then found to have no Defects.</li> <li>(e) The Project Manager unreasonably does not approve a subcontract to be let.</li> <li>(f) Ground conditions are substantially more adverse than could reasonably have been assumed before issuance of the Letter of Acceptance from the information issued to tenderers (including the Site Investigation Reports), from information available publicly and from a visual inspection of the Site.</li> <li>(g) The Project Manager gives an instruction for dealing with an unforeseen condition, caused by the Employer, or additional work required for safety or other reasons.</li> <li>(h) Other contractors, public authorities, utilities, or the Employer does not work within the dates and other constraints stated in the Contract, and they cause delay or extra cost to the Contractor.</li> <li>(i) The advance payment is delayed.</li> <li>(j) The effects on the Contractor of any of the Employer's Risks.</li> <li>(k) The Project Manager unreasonably delays issuing a Certificate of Completion.</li> <li>(l) Other Compensation Events described in the Contract or determined by the Project Manager shall apply.</li> </ul>
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	<p>55.2 If a Compensation Event would cause additional cost or would prevent the work being completed before the Intended Completion Date, the Contract Price shall be increased and/or the Intended Completion Date shall be extended. The Project Manager shall, upon consultation with Employer, decide whether and by how much the Contract Price shall be increased and whether and by how much the Intended Completion Date shall be extended.</p> <p>55.3 As soon as information demonstrating the effect of each Compensation Event upon the Contractor's forecast cost has been provided by the Contractor, it shall be assessed by the Project Manager, if agreed by the Employer, the Contract Price may be adjusted accordingly. If the Contractor's forecast is deemed unreasonable, the Project Manager in consultation with Employer shall adjust the Contract Price based on the Project Manager's own forecast.</p> <p>55.4 The Contractor shall not be entitled to compensation to the extent that the Employer's interests are adversely affected by the Contractor's not having given early warning or not having cooperated with the Project Manager.</p>
<p><b>56 Effect of Changes in Tax Laws</b></p>	<p>56.1 The Project Manager shall adjust the Contract Price if taxes, duties, and other levies are changed between the date 28 days before the submission of tenders for the Contract and the date of the last Completion certificate. The adjustment shall be the change in the amount of tax payable by the Contractor, provided such changes are not already reflected in the Contract Price or are a result of GCC 50.</p> <p>56.2 In the event that the Laws Governing Taxes, Duties and other levies have changed between the signature date and the last completion certificate thereby affecting the Contract Price, the Employer and the Contractor, shall mutually adjust the contract price accordingly.</p>

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<b>57 Price Adjustment</b>	<p>57.1 If applicable and stated in SCC, the amounts payable to the Contractor, pursuant to <b>GCC 53.1</b> may be adjusted in respect of the rise or fall in the cost of labor, Contractor's Equipment, Plant, materials, and other inputs to the Works, by applying to such amounts the formulae prescribed in this clause.</p>
	<p>57.2 To the extent that full compensation for any rise in costs to the Contractor is not covered by the provisions of this or other clauses in the Contract, the unit rates and prices included in the Contract shall be deemed to include amounts to cover the contingency of such other rise of costs.</p>
	<p>57.3 The adjustment to be applied to amount payable to the Contractor as certified in Payment Certificates shall be determined 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 as follows;</p> $P_n = a + b \frac{L_n - L_o}{L_o} + c \frac{M_n - M_o}{M_o} + d \frac{E_n - E_o}{E_o} + etc.$
	<p>where;</p> <p><b>P<sub>n</sub></b> is a price adjustment factor to be applied to the amount in each specific currency for the payment of the work carried out in the subject month, where such variations and daywork are not otherwise subject to adjustment;</p>

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	<p>a is a constant, specified in the Appendix to Tender, representing the nonadjustable portion in contractual payments;</p> <p>b, c, d, etc., are weightings or coefficients representing the estimated proportion of each cost element (labor, materials, equipment usage, etc.) in the Works or sections thereof, net of Provisional Sums, as specified in the Appendix to Tender; the sum of a, b, c, d, etc., shall be one;</p> <p>Ln, Mn, En, etc., are the current cost indices or reference prices of the cost elements in the specific currency of origin for month "n," determined pursuant to Sub-Clause 57.5, applicable to each cost element; and</p> <p>Lo, Mo, Eo, etc., are the base cost indices or reference prices corresponding to the above cost elements at the date specified in Sub-Clause 57.5</p>
	<p>The value of net work done, certified by the Project Manager, in any monthly Interim or Final Certificate as payable by the Employer to the Contractor before deduction of any retention money shall be increased or decreased by an amount of 'F'.</p>

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	<p>where;</p> <p>The effective value <math>P_c</math> of work done which is to be subjected to increase or decrease shall be the difference between:</p> <p>(i) the amount which, in the opinion of the Project Manager, is due to the Contractor under Clause 45 (before deduction of retention money and before deducting sums previously paid on account) less:</p> <ul style="list-style-type: none"> <li>• any amount for payment or repayment of any advance payment;</li> <li>• any amount for materials on site (if any);</li> <li>• any amounts for nominated sub-contractors (if any)</li> <li>• any amounts for any other items based on actual cost or current prices; or</li> <li>• any sums for increase or decreases in the Contract Price paid under this Sub-Clause</li> </ul> <p style="text-align: center;">and</p> <p>(ii) the amount calculated in accordance with (i) above of this Sub-clause and included in the last preceding statement.</p>
	<p>57.4 The sources of indices shall be those listed in the <b>Appendix to Tender</b>, as approved by the Engineer. Indices shall be appropriate for their purpose and shall relate to the Contractor's proposed source of supply of inputs on the basis of which his Contract Price and expected foreign currency requirements shall have been computed. As the proposed basis for price adjustment, the Contractor shall have submitted with his tender the tabulation of Weightings and Source of Indices in the <b>Appendix to Tender</b>, which shall be subject to approval by the Engineer.</p>

	<p>57.5 The base cost indices or prices shall be those prevailing on the day 28 days prior to the latest date for submission of tenders. Current indices or prices shall be those prevailing on the day 28 days prior to the last day of the period to which a particular Interim Payment Certificate is related. If at any time the current indices are not available, provisional indices as determined by the Engineer will be used, subject to subsequent correction of the amounts paid to the Contractor when the current indices become available.</p>
	<p>57.6 If the Contractor fails to complete the Works within the time for completion prescribed under GCC 21.1 adjustment of prices thereafter until the date of completion of the Works shall be made using either the indices or prices relating to the prescribed time for completion, or the current indices or prices, whichever is more favorable to the Employer, provided that if an extension of time is granted pursuant to GCC 37.1 the above provision shall apply only to adjustments made after the expiry of such extension of time.</p>
	<p>57.7 The weightings for each of the factors of cost given in the Appendix to Tender shall be adjusted if, in the opinion of the Engineer, they have been rendered unreasonable, unbalanced, or inapplicable as a result of varied or additional work already executed or instructed under GCC 49 or for any other reason.</p>

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<b>58 Retention</b>	<p>58.1 The Employer shall retain from each payment due to the Contractor the proportion stated in the SCC. The total amount of retention shall not exceed the amount specified in the SCC.</p> <p>58.2 On completion of the whole of the Works, half the total amount retained shall be repaid to the Contractor and the other half when the Defects Liability Period has passed and the Project Manager has certified that all Defects notified by the Project Manager to the Contractor before the end of this period have been corrected.</p> <p>58.3 On completion of the whole Works, the Contractor may substitute retention money with an "on demand" or unconditional Bank guarantee.</p>
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<p><b>59 Liquidated Damages</b></p>	<p>59.1 The Contractor shall pay liquidated damages to the Employer at the rate per day stated in the SCC for each day that the Completion Date is later than the Intended Completion Date. The total amount of liquidated damages shall not exceed the maximum amount of performance security specified in the SCC. The Employer may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages shall not affect the Contractor's liabilities.</p> <p>59.2 If the Intended Completion Date is extended after liquidated damages have been paid, the Project Manager shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment certificate. The Contractor shall be paid interest on the overpayment, calculated from the date of payment to the date of repayment, at the rates specified in GCC 53.1</p> <p>59.3 Where the Project Manager, after assessment of work progress, upon satisfaction that the Contractor will not complete the works within the contract period, may issue a notice to the Contractor requiring the payment of liquidated damages pursuant to GCC 59.1</p> <p>59.4 If the Contractor has not corrected a defects within the time specified in the Employer's notice, the Employer will assess the cost of having the defect corrected, the Contractor will pay this amount, and a penalty for lack of performance calculated as described in GCC 46.1</p>
<p><b>60 Bonus</b></p>	<p>60.1 The Contractor shall be paid a Bonus calculated at the rate per calendar day stated in the SCC for each day (less any days for which the Contractor is paid for acceleration) that the Completion is earlier than the Intended Completion Date. The Project Manager shall certify that the Works are complete, although they may not be due to be complete.</p>

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<p><b>61 Advance Payment</b></p>	<p>61.1 The Employer shall make advance payment to the Contractor of the amounts stated in the SCC by the date stated in the SCC, against provision by the Contractor of an Unconditional Bank Guarantee in a form and by a bank acceptable to the Employer in amounts and currencies equal to the advance payment. The Guarantee shall remain effective until the advance payment has been repaid, but the amount of the Guarantee shall be progressively reduced by the amounts repaid by the Contractor. Interest will not be charged on the advance payment.</p> <p>61.2 The Contractor is to use the advance payment only to pay for Equipment, Plant, Materials, and mobilization expenses required specifically for execution of the Contract. The Contractor shall demonstrate that advance payment has been used in this way by supplying copies of invoices or other documents to the Project Manager.</p> <p>61.3 The advance payment shall be repaid by deducting proportionate amounts from payments otherwise due to the Contractor, following the schedule of completed percentages of the Works on a payment basis. No account shall be taken of the advance payment or its repayment in assessing valuations of work done, Variations, price adjustments, Compensation Events, Bonuses, or Liquidated Damages.</p>
<p><b>62 Performance Securities</b></p>	<p>62.1 The Performance Security shall be provided to the Employer no later than the date specified in the Letter of Acceptance and shall be issued in an amount stated in the SCC and form and by a bank or surety acceptable to the Employer, and denominated in the types and proportions of the currencies in which the Contract Price is payable. The Performance Security shall be valid until a date 28 days from the date of issue of the Certificate of Completion in the case of a Bank Guarantee, and until one year from the date of issue of the Completion Certificate in the case of a Performance Bond.</p>

		62.2 Where circumstances necessitate the amendment of the contract after signature, and such amendment is effected, the Employer shall require the Contractor to provide additional Performance Security to cover for any cumulative increase of more than ten percent of the Initial Contract Price.
63 Dayworks		<p>63.1 If applicable, the Dayworks rates in the Contractor's Tender shall be used for small additional amounts of work only when the Project Manager has given written instructions in advance for additional work to be paid for in that way.</p> <p>63.2 All work to be paid for as Dayworks shall be recorded by the Contractor on forms approved by the Project Manager. Each completed form shall be verified and signed by the Project Manager within two days of the work being done.</p> <p>63.3 The Contractor shall be paid for Dayworks subject to obtaining signed Dayworks forms.</p>
64 Cost of Repairs		64.1 Loss or damage to the Works or Materials to be incorporated in the Works between the Start Date and the end of the Defects Correction periods shall be remedied by the Contractor at the Contractor's cost if the loss or damage arises from the Contractor's acts or omissions.
		<b>E. Discharge of the Contract</b>

65 Completion Certificate		65.1 The Contractor shall request the Project Manager to issue a certificate of Completion of the Works, and the Project Manager will so issue upon satisfaction that the work is completed.
66 Site Hand Over		66.1 When the Certificate of Completion is issued by the Project Manager, the Contractor shall handover the site and the works to the Employer within time specified in the SCC
67 Final Account		<p>67.1 Upon the expiry of the defect liability period, the Contractor shall supply the Project Manager with a detailed account of the total amount that the Contractor considers payable under the Contract. The Project Manager shall, within fifty six (56) days, verify the account and, upon satisfaction, certify any final payment due to the Contractor and thereafter issue a defect liability certificate.</p> <p>67.2 In the event the Project Manager is not satisfied with the Account submitted by the Contractor pursuant to sub-Clause 67.1, shall within 56 days issue a schedule of correction. If the final account remains unsatisfactory after it has been re-submitted, the Project Manager shall, upon consultation with the Employer, decide on the amount payable to the Contractor and issue a payment certificate.</p>
68 Operating and Maintenance Manuals		<p>68.1 The Contractor shall supply to the Employer the "as built" Drawings and/or operating and maintenance manuals and any other related documents by the handover period stipulated in the SCC pursuant to GCC 66</p> <p>68.2 If the Contractor does not supply the Drawings and/or manuals stated in GCC 68.1 by the dates specified pursuant to clause 66 of the GCC, or they do not receive the Project Manager's approval, the Project Manager shall withhold the amount stated in the SCC from payments due to the Contractor.</p>
69 Termination		69.1 The Employer or the Contractor may terminate the Contract if the other party causes a fundamental breach of the Contract.

69.2 Fundamental breaches of Contract shall include, but shall not be limited to, the following:

- (a) the Contractor stops work for 28 days when no stoppage of work is shown on the current Works Programme and the stoppage has not been authorized by the Project Manager;
- (b) the Project Manager instructs the Contractor in writing to delay the Works progress, and the instruction is not withdrawn in writing within 28 days
- (c) contractor's failure to submit performance security within the time stipulated in the SCC;
- (d) the Employer or the Contractor is declared bankrupt or goes into liquidation other than for a reconstruction or amalgamation;
- (e) a payment certified by the Project Manager is not paid by the Employer to the Contractor after 84 days from the date of the Project Manager's certificate;
- (f) Failure of the Contractor to correct the defect after lapse of time specified in the notice to correct defects issued by the Project Manager.;
- (g) where the Contractor fails to furnish and maintain the required Site Security pursuant to GCC 35; and
- (h) The contractor does not maintain security which is required; and
- (i) the Contractor has delayed the completion of the Works by the number of days for which the maximum amount of liquidated damages can be paid, as defined in the SCC.
- (j) if the Employer determines, based on the reasonable evidence, that the Contractor has engaged in corrupt, coercive, collusive,

obstructive or fraudulent practices in competing for or in executing the Contract.

For the purpose of this paragraph:

"corrupt practice means the offering, giving receiving or soliciting of anything of value to influence the action of a public officer in the procurement process or contract execution;

"coercive practice" means impairing or harming, or threatening to impair or harm directly or indirectly, any party or the property of the party for the purpose of influencing improperly the action or that party in connection with public procurement or in furtherance of corrupt practice or fraudulent practice;

collusive practices" means impairing or harming, or threatening to impair or harm directly or indirectly, any part or the property of the Party for the purpose of influencing improperly the action or a part or in connection with public procurement or government contracting or in furtherance of a corrupt practice or a Fraudulent Practice

"fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Employer and includes collusive practices among tenderers, prior to or after submission designed to establish tender prices at artificial non-competitive levels and to deprive the employer of the benefits of free and open competition;

"obstructive practice" means acts intended to materially impede access to required information in exercising a duty under this Contract;

69.3 When either party to the Contract gives notice of a Fundamental breach of Contract to the other Party for a cause other than those listed under Sub-Clause 69.2 above, the Project Manager shall decide whether the said breach is



		<p>fundamental or not.</p> <p>69.4 Notwithstanding the above, the Employer may terminate the Contract for convenience.</p> <p>69.5 If the Contract is terminated, the Contractor shall stop work immediately, make the Site safe and secure, and leave the Site as soon as reasonably possible.</p>
<b>70 Payment upon Termination</b>		<p>70.1 If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Project Manager shall issue a certificate for the value of the work done and Materials ordered less advance payments received up to the date of the issue of the certificate and less the percentage to apply to the value of the work not completed as specified in the SCC. Additional Liquidated Damages shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor, the difference shall be a debt payable to the Employer.</p>
		<p>70.2 If the Contract is terminated for the Employer's convenience or because of a fundamental breach of Contract by the Employer, the Project Manager shall issue a certificate for the value of the work done, Materials ordered, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works, and less advance payments received up to the date of the certificate.</p>

71 Property		71.1 All Materials on the Site, Plant, Equipment, Temporary Works, and Works shall be deemed to be the property of the Employer if the contract is terminated for fundamental breach by the Contractor,
72 Suspension of Financing		<p>72.1 In the event that the source of financing is suspended to the Employer, from which part of the payments to the Contractor are being made:</p> <p>(a) The Employer shall notify the Contractor of such suspension within seven (7) days of having received the financing agency's suspension notice.</p> <p>(b) After the Notice has been issued and within fourteen (14) days, the Parties shall mutually agree on the future events of the Contract</p>
73 Force Majeure		<p>73.1 Neither Party shall have any liability or be deemed to be in breach of the Contract for any delay or other failure in performance of its obligations under the Contract, if such delay or failure is a result of an event of Force Majeure.</p> <p>73.2 For purpose of this clause, "Force Majeure" means an event which is beyond the reasonable control of a Party, is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of a Party, and which makes a Party's performance of its obligations hereunder impossible or so impractical as reasonably to be considered impossible in the circumstances, and includes, but is not limited to, war, riots, civil disorder, earthquake, fire, explosion, storm, flood, epidemics, or other adverse weather conditions, strikes, lockouts or other industrial action (except where such strikes, lockouts or other industrial action are within the power of the Party invoking Force Majeure to prevent</p> <p>73.3 If a Party (hereinafter referred to as "the Affected Party") is or will be prevented from performing its substantial obligation under the contract by Force Majeure, it shall give a Notice to the other Party giving full particulars of the event and circumstance of Force Majeure and the reasons for the event of Force Majeure preventing the Affected Party from, or delay the Affected Party</p>

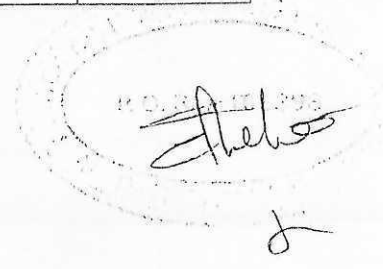


	<p>from performing its obligations under the Contract. The Notice shall be given within fourteen days after the Affected Party becomes aware, or should have become aware, of the relevant event or circumstances constituting Force Majeure;</p> <p>73.4 The Affected Party shall use reasonable efforts to mitigate the effects of the event of Force Majeure and shall endeavour to minimise any delay in the performance of the contract as a result of Force Majeure;</p> <p>73.5 The Affected Party shall give Notice to the other Party when it ceases to be affected by the Force Majeure; and</p> <p>73.6 Upon completion of the event of Force Majeure and issuance Notice pursuant to GCC 73.3 the Affected Party must, as soon as reasonably practicable recommends the performance of its obligations under the contract. Where the Affected Party is the Contractor, the Contractor must provide a revised Work Program rescheduling the Works to minimise the effect of the prevention or delay caused by the event of Force Majeure.</p>
<p><b>74 Release from Performance</b></p>	<p>74.1 In the event the Affected Party have used all reasonable efforts to mitigate the effect of the event of force Majeure and minimize any delay in the performance of the contract as result of force Majeure, but the effect of force Majeure still subsist, the Project Manager upon written consent of the employer shall certify that the Contract has been frustrated.</p> <p>Upon certification by the Project Manager pursuant to GCC 74.1 the Contractor shall make the site safe and stop work as quickly as possible after receiving the certificate and shall be paid for all Works carried out.</p>

BILL OF QUANTITIES

2

ITEM No.	ITEM DESCRIPTION	SPEC	UNIT	QTY	RATE (VAT INCLUSIVE)	AMOUNT (VAT INCLUSIVE)
<b>A</b>	<b>ITEMS</b>					
1.1	Site establishment including removal on completion of the works	1.06	Ls	1	500,000	500,000
1.2	Allow for Mobilization and demobilization of equipments and tools	1.07	Ls	1	16,300,000	16,300,000
1.3	extraction	1.04	Ls	1	1,000,000	1,000,000
1.4	Material Testing and quality control	1.09	Ps	1	1,000,000	1,000,000
1.5	Allow for contractors overhead and profit		%	0.25	1,000,000	250,000
1.6	Supervision cost		ps	1	5,000,000	5,000,000
	<b>Total: Preliminaries and General Items</b>					<b>24,050,000</b>
<b>1.00</b>	<b>DRIVING ROUTES (ROADS) 10KM</b>					
<b>B</b>	<b>SPOT IMPROVEMENT OF MONGA IN-MONGA OUT 1.5KM ROAD</b>					
<b>2</b>	<b>PART II: ROAD WORKS</b>					
2.1	Clear site of bushes including grubbing up their roots	2.12(a)	m <sup>2</sup>	4,800	100	480,000
3.2	Heavy reshaping	2.04(b)	Km	1.5	2,500,000	3,750,000
2.3	Gravelling including overhaul (Excavate, load, haul, spread, water and compact gravel wearing course materials to	2.09	m <sup>3</sup>	270	19,000	5,130,000
	<b>Sub-Total for Road Works</b>					<b>9,360,000</b>
<b>3</b>	<b>PART III: DRAINAGE WORKS</b>					
3.1.3	Culverts pipe desilting	2.13(d)	m	10	4,000	40,000
	<b>Sub-Total: De-silting of Drains</b>					<b>40,000</b>
<b>3.3</b>	<b>Excavate for New Drainage Structures</b>					
3.2.1	Mitre drains	3.02(b)	m	50	4,000	200,000
3.2.2	Inlet/Outlets for culverts	3.02(e)	m <sup>3</sup>	5	4,000	20,000
	<b>Sub-Total: Excavation of New Drainage Structures</b>					<b>220,000</b>
<b>3.3</b>	<b>Construction of Pipe Culvert</b>					
3.3.1	Excavate, to culvert trenches	3.04	m <sup>3</sup>	12	4,000	48,000
3.3.2	900mm	3.04b	m	5	250,000	1,250,000
3.3.3	Concrete in drainage structure - Class 20 for culvert concrete bedding, haunching, surroundings aprons and headwalls	3.09c	m <sup>3</sup>	7	250,000	1,750,000
3.3.4	Excavate for Inlet and Outlets for culverts	3.01d	m <sup>3</sup>	10	4,000	40,000
	<b>Sub-Total for Pipe Culvert</b>					<b>3,088,000</b>
	<b>Construction of Open Storm Water</b>					
21.01(a)	Excavate trapezoidal drain ditch to a typical crosssections, trim, level and compact sloping sides and bottom of excavation including removal of surplus excavated material away from site	21.01(a)	m <sup>3</sup>	48	4,000	192,000
	<b>Plain insitu concrete grade 20</b>					
25.01(a)	To open channel bed 100mm thick and capping 50mm thick	25.01(a)	m <sup>3</sup>	7	300,000	2,100,000
25.01(c)	Grouted stone pitching lining to sides of drains, bedded and jointed in sand/cement mortar mix ratio 1:4 not less than 100mm thick	25.01(c)	m <sup>2</sup>	160	30,000	4,800,000
	<b>Sub-Total 4.3: Construction of Open Storm Water Drains</b>					<b>7,092,000</b>
	<b>Sub-Total for Drainage</b>					<b>10,440,000</b>



ITEM No.	ITEM DESCRIPTION	SPEC	UNIT	QTY	RATE (VAT INCLUSIVE)	AMOUNT (VAT INCLUSIVE)
	<b>TOTAL FOR SPOT IMPROVEMENT OF MONGA IN- MONGA OUT ROAD</b>					19,800,000
<b>C</b>	<b>PERIODIC MAINTENANCE OF KWAMKORO ROAD TO KIGANGA VIEW POINT 5KM ROAD</b>					
<b>2</b>	<b>PART II: ROAD WORKS</b>					
2.1	Clear site of bushes including grubbing up their roots	2.12(a)	m <sup>2</sup>	20,000	100	2,000,000
3.2	Heavy reshaping	2.04(b)	Km	5	2,500,000	12,500,000
2.3	Gravelling including overhaul (Excavate, load, haul, spread, water and compact gravel wearing course materials to	2.09	m <sup>3</sup>	2,700	19,000	51,300,000
	<b>Sub-Total for Road Works</b>					<b>65,800,000</b>
<b>3</b>	<b>PART III: DRAINAGE WORKS</b>					
3.1.3	Culverts pipe desilting	2.13(d)	m	10	4,000	40,000
	<b>Sub-Total: De-silting of Drains</b>					
<b>3.3</b>	<b>Excavate for New Drainage Structures</b>					
3.2.1	Mitre drains	3.02(b)	m	50	4,000	200,000
3.2.2	Inlet/Outlets for culverts	3.02(e)	m <sup>3</sup>	10	4,000	40,000
	<b>Sub-Total: Excavation of New Drainage Structures</b>					<b>280,000</b>
<b>3.3</b>	<b>Construction of Pipe Culvert</b>					
3.3.1	Excavate, to culvert trenches	3.04	m <sup>3</sup>	60	4,000	240,000
3.3.2	900mm	3.04b	m	30	250,000	7,500,000
3.3.3	Concrete in drainage structure - Class 20 for culvert concrete bedding, haunching, surroundings aprons and headwalls	3.09c	m <sup>3</sup>	40	250,000	10,000,000
3.3.4	Excavate for Inlet and Outlets for culverts	3.01d	m <sup>3</sup>	45	4,000	180,000
	<b>Sub-Total for Pipe Culvert</b>					<b>17,920,000</b>
	<b>Construction of Open Storm Water</b>					
21.01(a)	Excavate trapezoidal drain ditch to a typical crosssections, trim, level and compact sloping sides and bottom of excavation including removal of surplus excavated material away from site	21.01(a)	m <sup>3</sup>	48	4,000	192,000
	<b>Plain insitu concrete grade 20</b>					
25.01(a)	To open channel bed 100mm thick and capping 50mm thick	25.01(a)	m <sup>3</sup>	7	250,000	1,750,000
25.01(c)	Grouted stone pitching lining to sides of drains, bedded and jointed in sand/cement mortar mix ratio 1:4 not less than 100mm thick	25.01(c)	m <sup>2</sup>	160	30,000	4,800,000
	<b>Sub-Total 4.3: Construction of Open Storm Water Drains</b>					<b>6,742,000</b>
	<b>CONSTRUCTION OF A BOX CULVERT</b>					
<b>5.00</b>	<b>Infrastructure, Substructure and Superstructure</b>					
5.10	demolishing of existing structure		PS	1	800,000	800,000
5.20	Clearance and excavation					

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ITEM No.	ITEM DESCRIPTION	SPEC	UNIT	QTY	RATE (VAT INCLUSIVE)	AMOUNT (VAT INCLUSIVE)
<b>3.3</b>	<b>Construction of Pipe Culvert</b>					
3.3.1	Excavate, to culvert trenches	3.04	m <sup>3</sup>	40	4,000	160,000
3.3.2	900mm	3.04b	m	14	250,000	3,500,000
3.3.3	Concrete in drainage structure - Class 20 for culvert concrete bedding, haunching, surroundings aprons and headwalls	3.09c	m <sup>3</sup>	18	250,000	4,500,000
3.3.4	Excavate for Inlet and Outlets for culverts	3.01d	m <sup>3</sup>	15	4,000	60,000
	<b>Sub-Total for Pipe Culvert</b>					<b>8,220,000</b>
	<b>TOTAL FOR PERIODIC MAINTENANCE OF AMANI ROAD-</b>					<b>32,820,000</b>
	<b>SUB-TOTAL DRIVING ROADS</b>					<b>202,104,000</b>
<b>2.00</b>	<b>NATURE TRAILS 24KM</b>					
<b>E</b>	<b>PERIODIC MAINTENANCE OF CHEMKA WATER FALLS TO ZIGI FOREST, AMANI ROAD-DEREMA ROAD, KWAMKORO ROAD-TURACO FOREST</b>					
<b>2</b>	<b>PART II: ROAD WORKS</b>					
2.1	Clear site of bushes including grubbing up their roots	2.12(a)	m <sup>2</sup>	6,000.00	100	600,000
3.2	Cut to fill	2.04(b)	m <sup>3</sup>	2,000.00	10,000	20,000,000
2.4	Tree removal		No	20	45,000	900,000
2.5	Rock excavation, drilling & Blasting		m <sup>3</sup>	50	50,000	2,500,000
	<b>Sub-Total for Road Works</b>					<b>24,000,000</b>
<b>3</b>	<b>PART III: DRAINAGE WORKS</b>					
<b>3.3</b>	<b>Excavate for New Drainage Structures</b>					
3.2.1	Mitre drains	3.02(b)	m	30	4,000	120,000
	<b>Sub-Total: Excavation of New Drainage Structures</b>					<b>120,000</b>
<b>3.3</b>	<b>Construction of Pipe Culvert</b>					
3.3.1	Excavate, to culvert trenches	3.04	m <sup>3</sup>	19	4,000	76,000
3.3.2	Provide, lay and fill concrete pipe culvert-900mm	3.04b	m	10	250,000	2,500,000
3.3.3	Concrete in drainage structure - Class 20 for culvert concrete bedding, haunching, surroundings aprons and headwalls	3.09c	m <sup>3</sup>	14	250,000	3,500,000
3.3.4	Excavate for Inlet and Outlets for culverts	3.01d	m <sup>3</sup>	3	4,000	12,000
	<b>Sub-Total for Pipe Culvert</b>					<b>6,088,000</b>
<b>1.00</b>	<b>CONSTRUCTION OF PEDESTRIAN BOX CULVERT</b>					
<b>5.00</b>	<b>Infrastructure, Substructure and Superstructure</b>					
<b>5.10</b>	<b>Clearance and excavation</b>					
5.1.2	Common excavation for box culvert base including aprons and wingwalls to depth not exceeding 1.5m from reduced level	3.03	m <sup>3</sup>	10	4,000	40,000
5.20	Concrete works;					
5.2.2	Vibrated, reinforced in-situ concrete grade 25 (Nominal mix 1:1 1/2:3, 25 N/mm <sup>2</sup> at 28 days) for deck slab, bottom slab, as instructed by Site Engineer	3.09	m <sup>3</sup>	25	400,000	10,000,000

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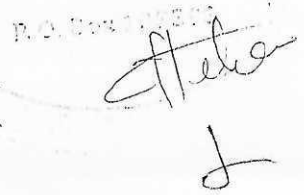


ITEM No.	ITEM DESCRIPTION	SPEC	UNIT	QTY	RATE (VAT INCLUSIVE)	AMOUNT (VAT INCLUSIVE)
5.2.1	Common excavation for box culvert base including aprons and wingwalls to depth not exceeding 1.5m from reduced level	3.03	m <sup>3</sup>	10	4,000	40,000
5.30	Concrete works;					
5.3.2	Vibrated, reinforced in-situ concrete grade 25 (Nominal mix 1:11/2:3, 25 N/mm <sup>2</sup> at 28 days) for deck slab, bottom slab, as instructed by Site Engineer	3.09	m <sup>3</sup>	40	400,000	16,000,000
5.3.4	Construct stone masonry to the wing wall, abutment and side wall of not greater than 2.5m from reducing level	3.09	m <sup>3</sup>	30	100,000	3,000,000
5.3.5	Supply and fix high tensile hot rolled deformed steel bars to BS 4449:1997; for deck slab, abutments, stem/pier, walls and base including dowels					
	(i) Y16 as per drwg	3.09	Kg	2000	4,000	8,000,000
	(ii) Y12 as per drwg	3.09	Kg	890	4,000	3,560,000
	(iii) Y8 as per drwg	3.09	Kg	45	4,000	180,000
	(iv) Spacer & binding wire	3.09	Kg	28	4,000	112,000
5.3.6	Supply and fix formwork to vertical stems, deck, face walls and the like to receive concrete works	3.09	m <sup>2</sup>	50	30,000	1,500,000
	<b>Sub-Total for Box culvert</b>					<b>33,192,000</b>
5.40	<b>ROAD WORKS AT THE ENDS OF BOX CULVERT ALONG THE ROAD</b>					
2.30	Fill materials at approaches to box culvert	2.09	m <sup>3</sup>	100	15,000	1,500,000
	<b>Sub-Total for Road Works</b>					<b>1,500,000</b>
	<b>TOTAL BOX CULVERT ALONG KWAMKORO ROAD TO KIGANGA VIEW POINT</b>					<b>34,692,000</b>
	<b>Sub-Total for Drainage</b>					<b>59,634,000</b>
	<b>TOTAL FOR PERIODIC MAINTENANCE OF KWAMKORO ROAD - KIGANGA VIEW POINT ROAD</b>					<b>125,434,000</b>
<b>D</b>	<b>PERIODIC IMPROVEMENT OF MONGA-KWAMKORO ROAD 3.5 KM ROAD</b>					
<b>2</b>	<b>PART II: ROAD WORKS</b>					
2.1	Clear site of bushes including grubbing up their roots	2.12(a)	m <sup>2</sup>	12,000	100	1,200,000
3.2	Heavy reshaping	2.04(b)	Km	3.5	2,500,000	8,750,000
2.3	Gravelling including overhaul (Excavate, load, haul, spread, water and compact gravel wearing course materials to	2.09	m <sup>3</sup>	750	19,000	14,250,000
	<b>Sub-Total for Road Works</b>					<b>24,200,000</b>
<b>3</b>	<b>PART III: DRAINAGE WORKS</b>					
<b>3.3</b>	<b>Excavate for New Drainage Structures</b>					
3.2.1	Mitre drains	3.02(b)	m	100	4,000	400,000
	<b>Sub-Total: Excavation of New Drainage Structures</b>					<b>400,000</b>

  
 H.O. Box 10730  
 Accra  
 Ghana

ITEM No.	ITEM DESCRIPTION	SPEC	UNIT	QTY	RATE (VAT INCLUSIVE)	AMOUNT (VAT INCLUSIVE)
5.2.4	Construct stone masonry to the wing wall, abutment and side wall of not greater than 2.5m from reducing level	3.09	m <sup>3</sup>	14	90,000	1,260,000
5.2.5	Supply and fix high tensile hot rolled deformed steel bars to BS 4449:1997; for deck slab, abutments, stem/pier, walls and base including dowels					
	(i) Y16 as per drwg	3.09	Kg	950	4,000	3,800,000
	(ii) Y12 as per drwg	3.09	Kg	420	4,000	1,680,000
	(iii) Y8 as per drwg	3.09	Kg	25	4,000	100,000
	(iv) Spacer & binding wire	3.09	Kg	12	4,000	48,000
5.2.6	Supply and fix 18mm marine plywood formwork to vertical stems, deck, face walls and the like to receive concrete works	3.09	m <sup>2</sup>	25	40,000	1,000,000
	<b>Sub-Total for 1 Box culvert</b>					17,928,000
	<b>Sub-Total for 2 Box culvert</b>					35,856,000
	Supply and fix guardrails by using 2 galvanised pipes as per drawings fabricate by using welding	3.09	m	200	48,000	9,600,000
	Prepare, supply and apply 3 coats of yellow and black gloss oil paint as directed by engineer for guard posts.		m <sup>2</sup>	200	10,000	2,000,000
	Supply and install new direction sign		No	30	200,000	6,000,000
	Excavate & Construct new reinforced Concrete resting (slab) area as directed by engineer		m <sup>3</sup>	20	400,000	8,000,000
	<b>SUB TOTAL</b>					25,600,000
	<b>TOTAL</b>					61,456,000
5.30	ROAD WORKS AT THE ENDS OF BOX CULVERT ALONG THE ROAD					
2.30	Fill materials at approaches to box culvert	2.09	m <sup>3</sup>	100	15,000	1,500,000
	<b>Sub-Total for Road Works</b>					1,500,000
	<b>TOTAL BOX CULVERT ALONG KWAMKORO ROAD TO KIGANGA VIEW POINT</b>					62,956,000
	<b>Sub-Total for Drainage</b>					69,164,000
	<b>TOTAL FOR PERIODIC MAINTENANCE OF CHEMKA WATER FALLS TO ZIGI FOREST, AMANI ROAD-DEREMA ROAD, KWAMKORO ROAD-TURACO FOREST (NATURE TRAILS)</b>					93,164,000

SUMMARY		
1.0	DRIVING ROUTES	
A	Total: Preliminaries and General Items	24,050,000
B	TOTAL FOR SPOT IMPROVEMENT OF MONGA IN- MONGA OUT ROAD	19,800,000
C	TOTAL FOR PERIODIC MAINTENANCE OF KWAMKORO ROAD - KIGANGA VIEW POINT ROAD	125,434,000
D	TOTAL FOR PERIODIC MAINTENANCE OF AMANI ROAD-MONGA ROAD	32,820,000.



ITEM No.	ITEM DESCRIPTION	SPEC	UNIT	QTY	RATE (VAT INCLUSIVE)	AMOUNT (VAT INCLUSIVE)
	SUB TOTAL -1					202,104,000
2.00	NATURA TRAILS					
E	PERIODIC MAINTENANCE OF CHEMKA WATER FALLS TO ZIGI FOREST, AMANI ROAD-DEREMA ROAD, KWAMKORO ROAD-TURACO FOREST					93,164,000
	SUBTOTAL -2					93,164,000
	GRAND TOTAL VAT INCLUSIVE					295,268,000

P. O. BOX 123456

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## SPECIFICATIONS

Standard Specifications shall be the "Standard Specifications for Maintenance Works 2010" prepared by TANROADS (now the Ministry of Works and Transport), Tanzania.

The Standard Specifications are subjected to the variation and additions set out in the Special Specifications.

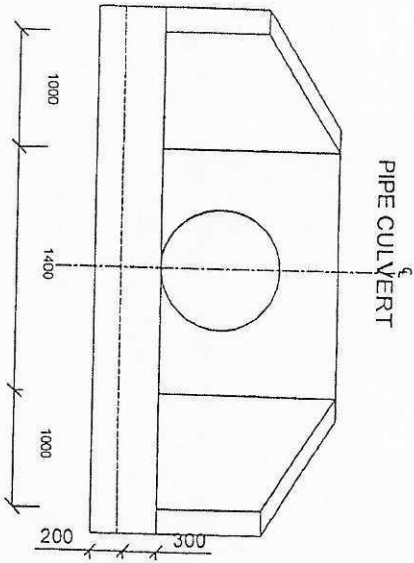
A copy of the Standard Specification for Maintenance Works 2010 can be obtained from:

TANROADS,  
P.O. Box 11364,  
Dar Es salaam, Tanzania  
Telephone: +255-22-2666122/ 2666088  
Facsimile: +255-22-2666088  
E-mail: [tanroadshq@tanroads.go.tz](mailto:tanroadshq@tanroads.go.tz)

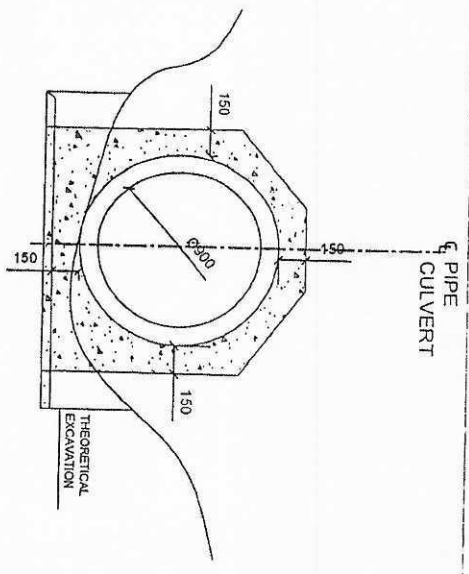
DRAWINGS







**TYPICAL ELEVATION**  
(WITHOUT SCOUR PROTECTION AT OUTFALL)



**SECTION D-D**

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**NOTES**

All dimensions in mm otherwise stated


PROJECT:

PROJECT MANAGER;  
AMANI NATURE RESERVE  
P.O BOX ...  
MUHEZA

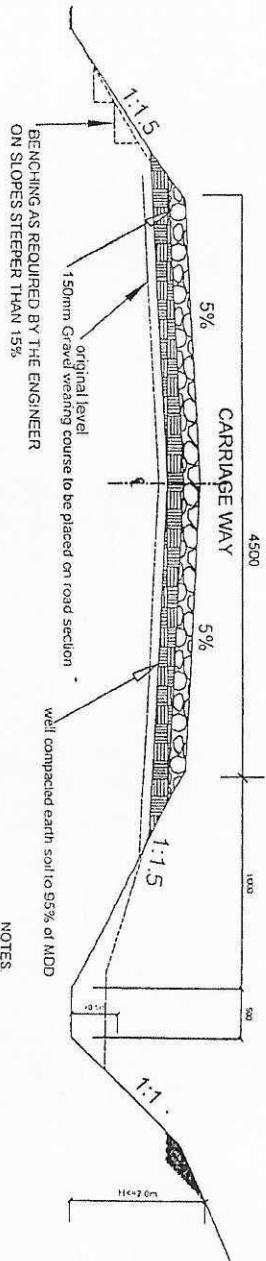
DRAWN BY:  
REGANI MLINGI

CHECKED BY:  
ENG: KAHOZA, J

SCALE: 1:100  
DATE: NOV, 2021  
DRWG/NO:

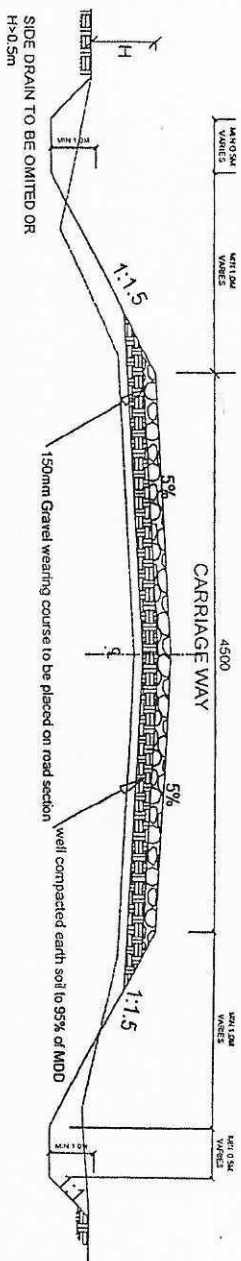
2

**NOTES**  
All dimensions are in mm otherwise stated



TYPICAL CROSS SECTION TYPE 1b (side long terrain)

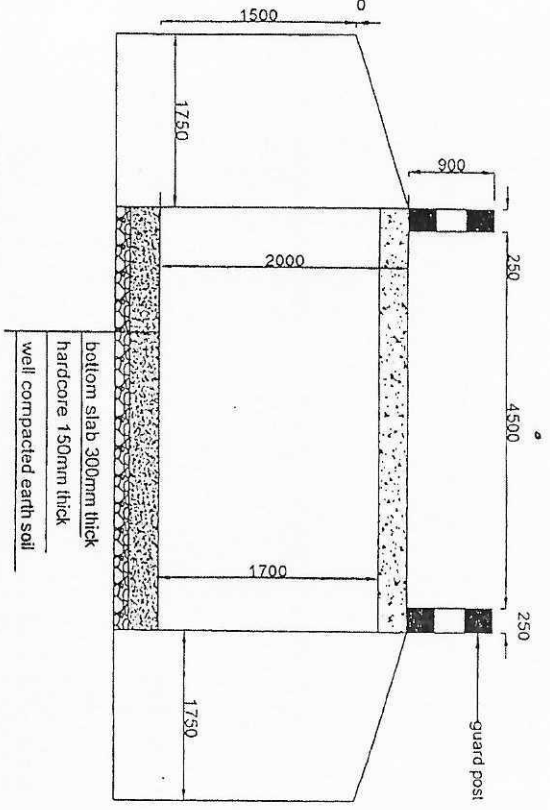
NOTES  
- CATCH WATER DRAIN TO BE CONSTRUCTED AS DIRECTED BY ENGINEER



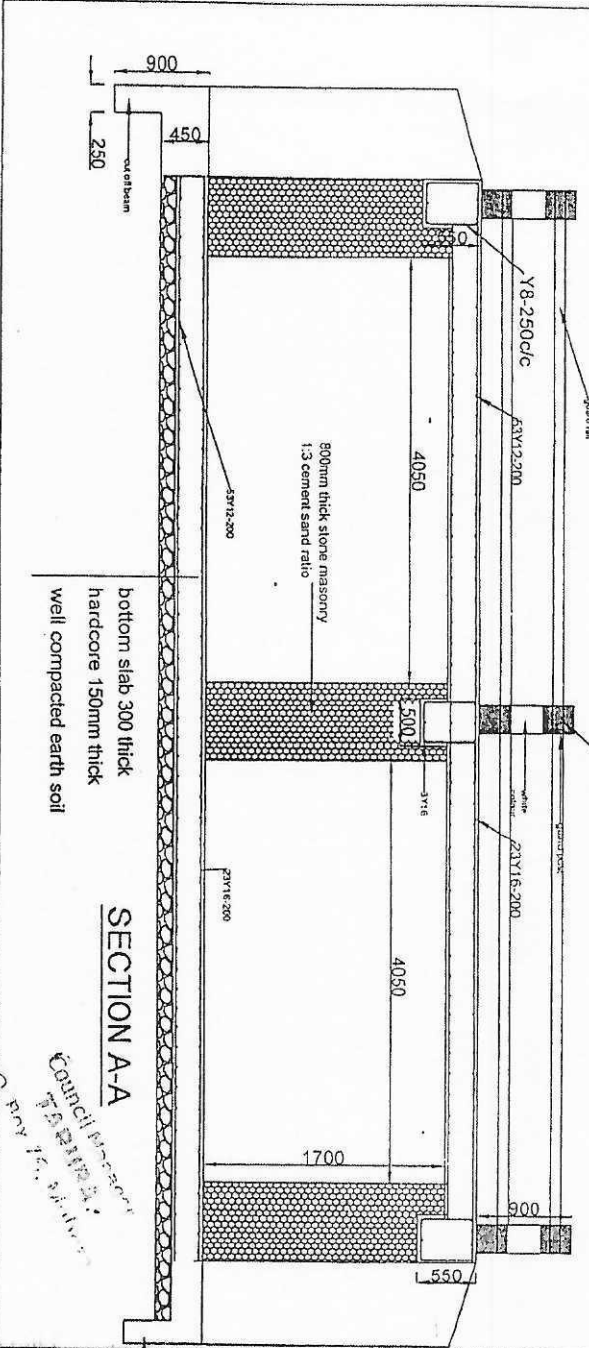
TYPICAL CROSS SECTION TYPE II

<p>PROJECT:</p>		
<p>PROJECT MANAGER: AMANI NATURE RESERVE P.O. BOX ... MUHEZA</p>		
<p>DRAWN BY: REGANI MILINGI</p>		
<p>CHECKED BY: ENG: KAHOZA, J</p>		
SCALE: 1:100	DATE: NOV.2021	DRWG NO:

Principal Manager  
Amani Nature Reserve  
Muheza



SECTION B-B



SECTION A-A

Council Engineer  
 P.O. Box 16, M. M. M. M.

NOTES

1. All dimensions are in millimetre and scale as 1:100
2. The concrete cover to reinforcement shall be 50mm foundation and 40mm to walls and top slab
3. ALL The concrete grade shall be C25/19 except blinding is C15/19
4. Concrete curing shall have to be done for seven consecutive days after casting
5. All exposed concrete surfaces shall be have 150x150mm chamfers
6. The reinforcement bars shall be grade 410 and shall comply to BS 4449/1998

PROJECT TITLE:

BOX CULVERT ACROSS  
 KIWANKORO-KIGANGA VIEW POINT ROAD  
 AT CH: 0+000  
 BOX CULVERT 2/4.0m X 1.7m

DRAWING NAME

SECTIONS REBARS DETAILS

CLIENT:

AMANI NATURE RESERVE  
 P.O BOX  
 MUHEZA  
 PROJECT MANAGER,

DESIGNED BY:

REGAN MLINGI

DRAWN BY:

R.M

CHECKED BY:

ENG. KAHOZA JOSEPH

SCALE:

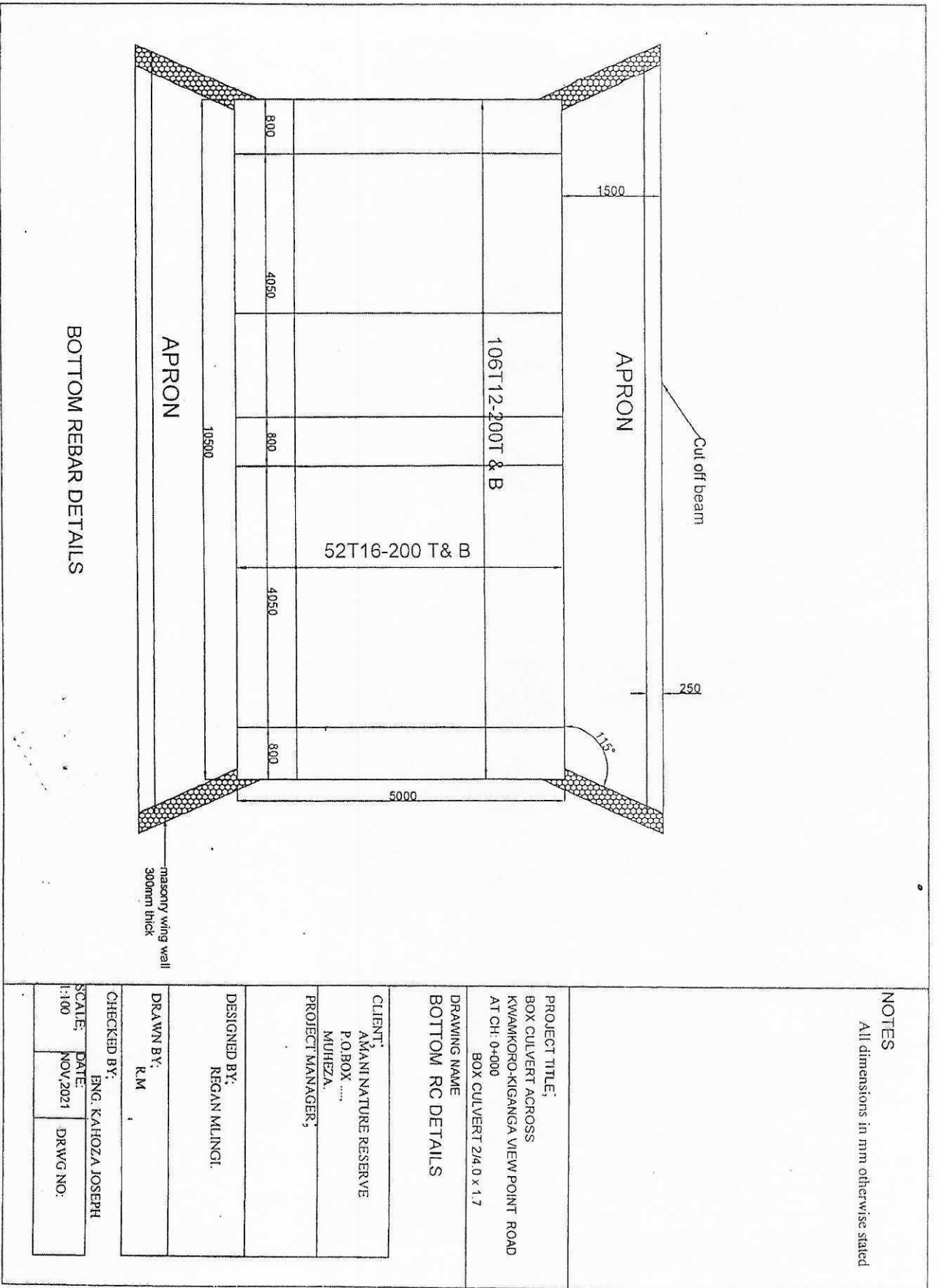
1:100

DATE:

NOV/2021

REVISED DATE:

DRWG NO:



**NOTES**

All dimensions in mm otherwise stated

**PROJECT TITLE:**

BOX CULVERT ACROSS  
KWAMKORO-KIGANGA VIEW POINT ROAD  
AT CH: 0+000

BOX CULVERT 2/4.0 x 1.7

**DRAWING NAME**  
**BOTTOM RC DETAILS**

**CLIENT:**

AMANI NATURE RESERVE  
P.O.BOX .....  
MUHEZA.

**PROJECT MANAGER:**

**DESIGNED BY:**

REGAN MLINGI

**DRAWN BY:**

R.M

**CHECKED BY:**

ENG. KAHOZA JOSEPH

**SCALE:** 1:100

**DATE:** NOV/2021

**DRWG NO.:**

Handwritten mark resembling the number 4.



OTHER DOCUMENTS AS SPECIFIED IN SCC CLAUSE 3.

2

POWER OF ATTORNEY

2

# STANDARD POWER OF ATTORNEY

TO ALL IT MAY CONCERN

THAT BY THIS POWER OF ATTORNEY given on the 28/12/2021 [insert date, month and year],

WE the undersigned YESACA CIVIL AND BUILDING WORKS CO. LTD [insert name of the company/donor] of P.O. BOX 105398 DAR ES SALAAM [insert address of the company/donor], by virtue of authority conferred to us by the Board Resolution No 34 of 27 DECEMBER day of 2021 [insert year], do hereby ordain nominate and appoint PHILLIP SAROTA KISIROTI [insert name of donee] of P.O. BOX 105398 DAR ES SALAAM [insert address of the donee] to be our true lawful Attorney and Agent, with full power and authority, for us and in our names, and for our accounts and benefits, to do any, or all of the following acts, in the execution of tender No. AE-068/2021-2022/HQ/TCRP/W/02/02 [insert tender number] that is to say;

To act for the company and do any other thing or things incidental for AE-068/2021-2022/HQ/TCRP/W/02/02 [insert tender Number] of FOR REHABILITATION OF ACCESS ROAD AND NATURE TRAILS IN AMANI NATURE FOREST RESERVE. [insert description of procurement] for the TANZANIA FOREST SERVICES AGENCY, P.O BOX 40832, DAR-ES-SALAAM [insert name of the procuring entity];

AND provided always that this Power of Attorney shall not revoke or in any manner affect any future power of attorney given to any other person or persons for such other power or powers shall remain and be of the same force and affect as if this deed has not been executed.

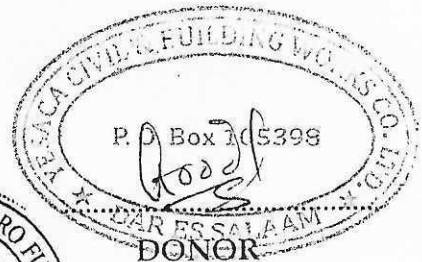
AND we hereby undertake to ratify everything, which our Attorney or any substitute or substitutes or agent or agents appointed by him under this power on his behalf herein before contained shall do or purport to do in virtue of this Power of Attorney.

SEALED with the common seal of the said YESACA CIVIL AND BUILDING WORKS CO. LTD [[insert name of the company] and delivered in the presence of us this 28 [insert date] day of DECEMBER [insert month] 2021 [insert year].

IN WITNESS whereof we have signed this deed on this 28 [insert date] day of DECEMBER [insert month] 2021 [insert year] at DAR ES SALAAM [insert region] for and on behalf of YESACA CIVIL AND BUILDING WORKS CO. LTD [insert name of the company]

SEALED and DELIVERED by the  
Common Seal of SELEMANI GOGA [insert name of the donor/coy]  
This 28/12/2021 [insert date, month and year]

BEFORE ME:   
.....  
COMMISSIONER FOR OATHS





INTEGRITY

7

**UNDERTAKING BY SERVICE PROVIDER ON ANTI - BRIBERY POLICY /  
CODE OF CONDUCT AND COMPLIANCE PROGRAMME**

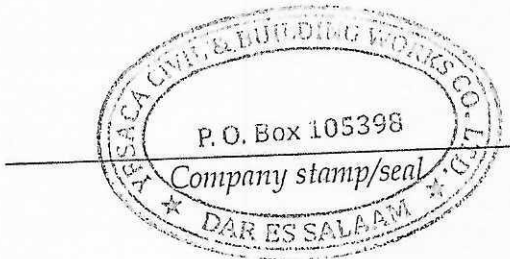
This company YASAA CIVIL & BUILDING WORKS CO. LTD. (name of Company) places importance on competitive tendering taking place on a basis that is free, fair, competitive and not open to abuse. It is pleased to confirm that it will not offer or facilitate, directly or indirectly, any improper inducement or reward to any public officer their relations or business associates, in connection with its tender, or in the subsequent performance of the contract if it is successful.

This company has an Anti-Bribery Policy/ Code of Conduct and a Compliance Program which includes all reasonable steps necessary to assure that the No-bribery commitment given in this statement will be complied with by its managers and employees as well as by all third parties working with this company on the public sector projects or contract including agents, consultants, consortium partners, sub-contractors and suppliers. Copies of our Anti- Bribery Policy/Code Conduct and Compliance Program are attached.

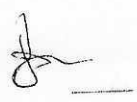
PHILLIP SAROTA KISIROTI  
(Name of the Authorized Person)

  
Signature

28/12/2021  
Date







# WORK PLAN OF WORKS

*J*


WORK PLAN OF WORKS

2



PROPOSED WORKING PROGRAMME FOR QUOTATION NO: AE-068/2021-2022/HQ/TCRP/W/02/02												
REHABILITATION OF ACCESS ROAD AND NATURE TRAILS IN AMANI NATURE FOREST RESERVE												
ACTIVITY/ DURATION	WEEKS											
	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	6 <sup>th</sup>	7 <sup>th</sup>	8 <sup>th</sup>	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>st</sup>	12 <sup>th</sup>
Mobilization of equipment and site establishment												
Road works												
Rock blasting												
Drainage works												
Construction of pipe Culvert												
Demobilization												

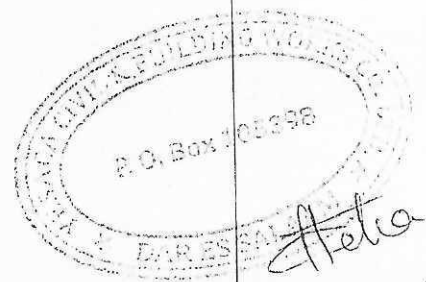
Prepared by YESACA CIVIL and BUILDING WORKS ON JANUARY 2022

  
 YESACA CIVIL AND BUILDING WORKS  
 106398  
*Heha*  
 J

MOBLIZATION SCHEDULE

DAYS

ACTIVITY/DURATION	1	2	3	4	5	6	7
MOBIIZATION OF EQUIPMENT AND UNSKILL LABOURES							



*Ateta*

*J*

## WORKING METHOD

### 1. PRELIMINARIES AND GENERAL COST

The specification is to be read in conjunction with the General Conditions of contract to which the Contractor is referred for the full meaning of each clause and allowance must be made in the tender prices, for compliance therewith

### 2. Mobilisation/Demobilisation of Plant and Equipment

The Contractor shall mobilise all plant and equipment agreed in the Contract Agreement following the commencement date of the Contract.

The duration of mobilization is specified in the Special Conditions of Contract.

The Contractor shall demobilise their plant and equipment prior to issuing the certificate of final completion.

### 3. HIV/AIDS Awareness Campaign

The Contractor shall advise all Site staff and labour (including all the Contractors employees,

all Sub-Contractors and Consultants' employees, and all truck drivers and crew making deliveries to Site) of the danger and impact of Sexually Transmitted Diseases (STD) in general and HIV/AIDS in particular. To this end, Institutions for Information, Education and Consultation (IEC) campaign at least every month, addressed both to the aforementioned

Site staff and labour and the immediate local communities.

All of the above provisions shall be provided free of charge to the participants.

### 4. DRAINAGE WORKS

#### General

This section is covering all new drainage works e.g. excavation for new drains, construction of culverts and new structures.

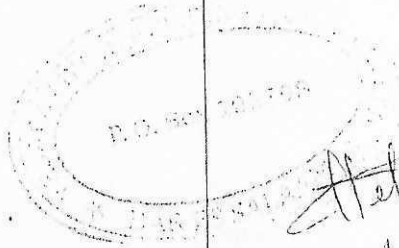
Maintenance work for the existing drains i.e. de-silting of existing drains, culverts and structures is described

The following storm water drainage work consists of excavation of roadside drains in the preparation of the formation, excavation of mitre drains, catch water drains and outfall drains, excavations for and the construction of culverts and vented drifts, concrete and masonry works, stone pitching, gabions, erosion checks and such other ancillary works necessary for their construction and completion of the works, as may be directed.

In the layout and construction of the drainage systems particular care shall be taken to avoid conditions which may create soil erosion.

### 5. Formwork

Forms shall conform to the shapes, lines, levels and dimensions of the concrete as shown

  
A. A. A.  
j

on the drawings. The centering, shuttering and casting of the concrete work shall be true, rigid and properly braced and sufficiently strong to resist without bulging or distorting, loads and shock. All joints shall be sufficiently tight to prevent leakage.

If in the opinion of the Engineer, the formwork is at any time insufficiently rigid or in any way defective, then the Contractor shall strengthen and improve such formwork in such manner as the Engineer shall direct.

No formwork shall be removed without the permission of the Engineer, and unless otherwise instructed by the Engineer, it shall be left in position before easing and removal for three days.

The Contractor shall be responsible for any injury to the work and any consequent damage caused by or arising from the removal or striking of mounds, centering and supports, and any advice, permission or approval given by the Engineer relative to the removal and striking of mounds, centering and supports shall not relieve the Contractor from the responsibility herein defined.

## 6. ROAD SIGNS and MARKINGS

### Road Signs

#### i) General

The provision of road signs for roads will generally be limited to signs necessary to denote sections of road constructed to lower standards of alignment than desirable. These signs will be confined to the following:

- Warning of Sharp Curve Ahead
- Warning of Double Curve Ahead
- Warning of Narrow Bridge Ahead
- Warning of Steep Descent Ahead
- Warning of Steep Ascent Ahead
- Speed Limit and Warning of Weighbridge Ahead

All signs shall be in the form prescribed in the current Traffic Signs Manual issued by The Ministry of Infrastructure and Development. The types of sign required and their locations shall be as shown on the drawings or as directed by the Engineer.

## 7. Stone Masonry

### (i) Description of Work

This work shall consist of the construction of stone masonry structures or portions of structures in conformity with the dimensions and design shown on the drawings. Stone for masonry shall be sound and durable and shall be subject to the Engineer's approval.

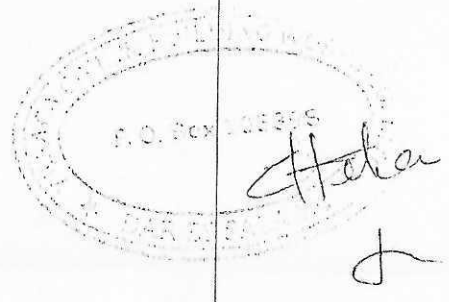
In general, stones shall be angular and the length of any stone shall not exceed three times its height. The breadth on the bed shall be not less than one-quarter nor greater than quarters of the thickness of the masonry wall.

Masonry in toe-walls and cut-off walls shall be constructed as follows:-

A trench shall be excavated to the dimensions shown on the drawings and the approved stones placed in layers with interstices filled with grout. The grout shall consist of one part cement and four parts of sand.

Masonry fence work shall be built up by stones free from depressions and projections. The fence work must not be built to a height exceeding 400mm above the backing which shall then be brought up level with the fence work. At no time shall the backing be built up higher than the fence work. The fence work shall not be displaced by the placing of the backing.

Newly laid masonry shall be protected against the harmful effects of weather. Weep holes



shall be provided in walls with exposed face as shown on the drawing or directed by the Engineer.

## 8. Catch Water Drains

### (i) Description

Deposited materials and other obstructions shall be removed from mitre/catch-water drains as directed by the Engineer. Excavated materials is to be removed to the down hill side of the drain profile and shall be shaped to a trapezoidal section as per the original cross section or according to the directions provided by the Engineer. On completion of de-silting the original drainage profile should be fully restored.

## 9. Concrete in Drainage Structures

### (i) General

This section covers the manufacture, transport, placing and testing of concrete in the works where plain or reinforced concrete is specified.

Standard Specification for Road Maintenance Works

Page 76

All structures as head- and wing walls, aprons, vented /unvented drifts, casting in situ etc. where concrete is carried out shall be covered by this section.

### (ii) Concrete Mixes

Concrete mixes required for various parts of the works are indicated on the drawings and are designated by their characteristic strengths in N/mm<sup>2</sup> (Mpa) in accordance with the provisions

Weights of cement and total dry aggregate in kg to produce approximately one cubic metre of full compacted concrete, together with the percentage by weight of fine aggregate

## 10. Site Clearance

### (i) Description of Work

Where the proposed alignment is in a new alignment or where it follows an existing road and the existing clearance is too narrow, clearing shall be undertaken as shown on the drawings or to a width as directed by the Engineer. The clearing shall consist of clearing and removing from the designated areas of all trees (with girth up to and including 1.0 m), stumps, grass debris, fences and other obstructions interfering with the proposed work. The clearing shall include grubbing up or burning of all stumps, roots and vegetable matters.

Where directed, the excavations left by the removal of trees shall be backfilled and compacted.

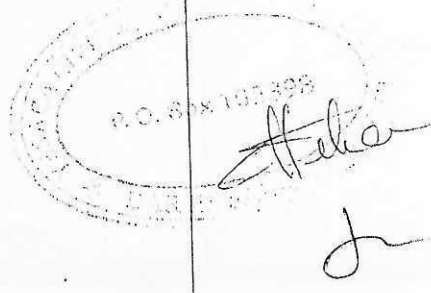
Removal of large trees with girth larger than 1.0 m is described

Logs and such materials as may be designated by the Engineer shall be salvaged. All vegetable

debris shall be disposed of by burning and incombustible debris shall be disposed of as directed by the Engineer. Care shall be taken in the lighting and control of fires to ensure that they do not spread. The Contractor shall be solely responsible for fire damage resulting from this cause.

Stamp: ROAD MAINTENANCE WORKS  
P.O. BOX 115309  
Signature: Atiba  
Initials: J

Inside the area of the permanent works the Engineer may designate and mark such individual trees that are to be left standing and uninjured. Outside the area of the permanent works the Contractor shall destroy only those trees directed by the Engineer. The Contractor's rate for site clearance should allow for felling and disposal of small trees as required within the designated areas.

  
P.O. 848 107392  
*[Signature]*  
*[Signature]*

TECHNICAL PERSONNEL

*[Handwritten mark]*



# CURRICULUM VITAE

## 1.0. PERSONAL PARTICULARS:

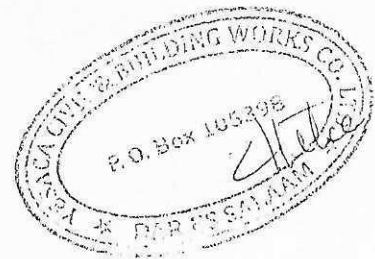
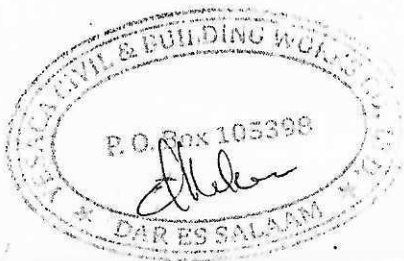
↓ First name	Husein
↓ Surname	Hamad
↓ Nationality	Tanzanian
↓ Date of birth	4 <sup>th</sup> July 1982
↓ Sex	Male
↓ Marital status	Married
↓ Language ( Speaking & writing)	Swahili and English

## 2.0. CONTACT ADDRESS:

↓ Present address	----- Dar es salaam
↓ Present living place	+0656066469
↓ Mobile phone	.....
↓ Email address	

## 3.0 ACADEMIC QUALIFICATIONS

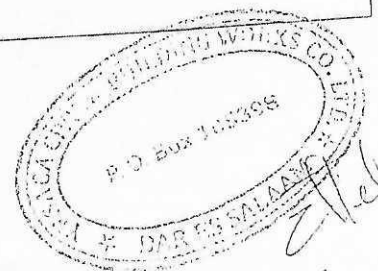
S/N	Year	School/college/institution	Education obtained	Award/Remarks
3.2	2009- 2011	Dar es salaam institute of technology	Diploma in building and Civil engineering	-----
3.3	2003- 2003	Dar es salaam institute of technology	Computer Aided architectural drawing (AUTO CAD)	Certificate
3.4	1997 - 2000	JKT - Mgulani	Secondary school education.	Certificate



2

### 3.1 EXPERIENCE

Time	Company	Description/work performed
Sept 2016 to date.	<p>Company: YESACA CIVIL AND BUILDING WORKS COMPANY</p> <p>Position: SITE TECHNICIAN</p> <p>Projects: (1) 2018 -2019 Routine maintenance of Kibaoni (Amani) – Derema – Bulwa Road. Mgambo jct – Kwewina – kizerui Road, Spot improvement road Bombani – kiwanda, mgambo – kwewina – kizerui roads</p> <p>Contract NO; AE/092/TAG/2018-18/W/40</p> <p>Employer- TARURA - TANGA</p>	<ul style="list-style-type: none"> <li>✓ Desilting works</li> <li>✓ Excavation works</li> <li>✓ Construction of drift</li> <li>✓ Light and Heavy grading</li> <li>✓ Construction of culverts.</li> <li>✓ Graveling</li> </ul>
2010	<p><u>M.B Builders Ltd.</u></p> <p>Construction of 1 storey building for Trio-Hardware –Arusha</p>	<p>Position.</p> <p>Site technician</p>
2008	<p><u>TANROADS - Tanga</u></p> <p>Testing of construction materials</p>	<p>Laboratory technician(practical training)</p>



*J*

#### 4.0 COMPUTER KNOWLEDGE:

Microsoft office

- + word,
- + excel,
- + Power point

**5.0. HOBBIES & INTEREST:** Doing physical exercises and watching movies.  
Accomplishment of duties timely, by using great care, skills and existence of good relationship among workers.

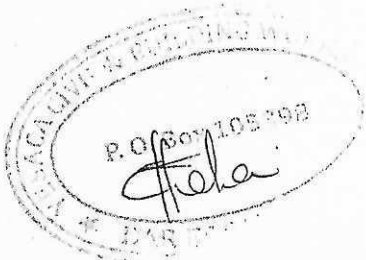
**6.0. CAREER OBJECTIVES:** To work very hard and under different challenging environment so that I can exploit my knowledge as a Civil engineer to achieve better organizational performance and create good competitive position for the organization.

#### 6.1. KEY OF SUCCESS

- + Motivation,
- + Training,
- + Communication,
- + Team work,
- + Accepting criticism,
- + Self commitment,
- + Integrity, responsibility and accountability.

#### 6.2. SKILLS

- + Survey works
- + Supervision of construction works
- + Taking measurement of building works
- + Interpreting and preparation of working drawings
- + Setting out of structure
- + Preparation of working drawings by Auto Cad.



*J*

## REFEREES


1. DR. CT MGNJA  
INDUSTRY LIASON OFFICER (ILO)  
DAR ES SALAAM INSTITUTE OF TECHNOLOGY  
CONT; 0784 485955
2. ENG. ALLANUS NUNGU  
SOIL LAB INCHARGE  
DAR ES SALAAM INSTITUTE OF TECHNOLOGY  
CONT; 0754-481350.
3. DR. MUSAGASA  
EXAMINATION COORDINATOR, CIVIL ENG, DEPT  
DAR ES SALAAM INSTITUTE OF TECHNOLOGY  
CONT; 0715-396983

## DECLARATION

---

I hereby declare that the information given is correct to the best of my knowledge and belief, that I have not withheld any information which might reasonably be calculated to adversely affect suitability for employment, and that this CV correctly describe myself, my qualifications and experience.

Name: Husein Hamad

Signature  Date 01. september 2021



DAR ES SALAAM INSTITUTE OF TECHNOLOGY

*Hussein Hamad*

HUSSEIN HAMAD

of Registration number D/0104273

Having satisfied the requirements for the award of  
Diploma in Civil Engineering  
Lower Second Class

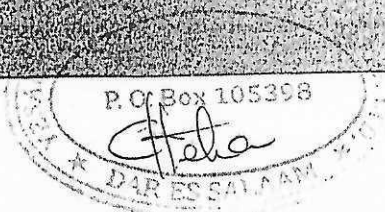
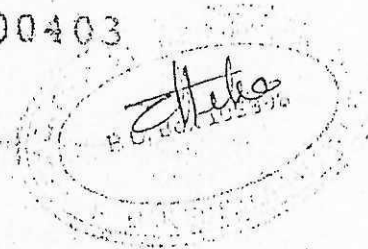
Which was conferred at a congregation held in Dar es Salaam  
on the twenty sixth of January in the year Two Thousand and Thirteen

*[Signature]*  
Principal

*[Signature]*  
Registrar



INCL. 0000403



*[Handwritten mark]*

UNIVERSITY OF SAUDI ESTABLISHMENT OF HIGHER EDUCATION  
 P.O. Box 105398, Riyadh 11452, Saudi Arabia  
 T: +966 11 437 3000 F: +966 11 437 3001

**MUSSEIN HAMAD**  
 Registration NO. 0701914273  
 Programme: ORDINARY DIPLOMA CERTIFICATE IN CIVIL ENGINEERING

RE: EXAMINATION RESULTS FOR YEAR 2009/2010

REGISTRATION NO. 0701914273 - Semester V&VI (Final Report)

SEMESTER V Code	Module	Score
CEED 521	Building Services & Heating	B+
CEED 523	Construction Management	B+
CEED 062110	Transportation Engineering	B
CEED 062119	Transportation Engineering	C
CEED 06221	Structural Steel Design	B-
CoED 505	Advanced Mathematics V	B+
GCD 502	Computer Applications V	B
GCD 503	Computer Applications V	B+
GMD 561	Advanced Mathematics V	C
LTD 502	Physical Sciences V	B+
CEED 507	Project	C
CEED 062116	Structural Steel Design	B
CEED 06224	Structural Steel Design	C
CEED 624	Advanced Mathematics	C

Semester GPA: 2.3

SEMESTER VI Code	Module	Score
CEED 624	Advanced Concrete Design	C
CEED 625	Soil Mechanics and Foundations	B
CEED 626	Construction Management	B
CEED 627	Project	B
LTD 501	Research Techniques	B
LTD 608	Physical Sciences VI	C
MED 504	Environmental Engineering	C
TED 06119	Transportation Engineering	B
TED 06218	Route Design	C
TED 06221	Structural Timber Design	C
CoED 604	Basic Computer Applications VI	B
EEB 104	Electrical Installation and Safety	B
GCD 662	Communication Skills VI	B+
GED 663	Entrepreneurship Development VI	B+
GMD 661	Advanced Mathematics VI	C

Semester GPA: 2.6

STATUS: PASS

*M. Al-Hadi* 03-07-2012

Dr. L. Henry  
 Examinations Officer - DIT



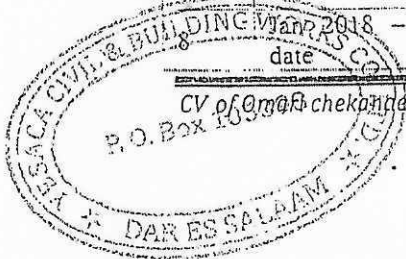
*J*

Surname	CHEKANAE	Sex	MALE
First Name	OMARI	Marital Status	MARRIED
Date of Birth	28/07/1981	Nationality	TANZANIAN

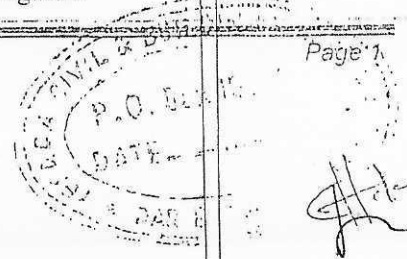
Street :	GOLANI
P.O.Box:	105398 DSM
District	UBUNGO MUNICIPAL
Region	DAR- ES- SAALAAM-TANZANIA
Cell Phone No:	+255 (0)655-068-161, 0753500308
Email :	<a href="mailto:chekanae01@ymail.com">chekanae01@ymail.com</a>

Item No.	Date in years	Qualification awarded	Name and type of Organization providing education training
	Nov 2012 – June 2015	Bachelor of Engineering in Civil Engineering.	Dar es salaam Institute of Technology
	Nov 2007 – June 2010	Diploma in Civil Engineering.	Dar es salaam Institute of Technology
	2006 – 2007	Grade One in Civil Draughting trade	Veta – Arusha.
	2003– 2003	Certificate in Computer Aided Architectural Drawing(AUTO CAD)	Dar es salaam Institute of Technology
	1997 – 2000	Certificate of Secondary School Education	Jkt - Mgulani
	1989 - 1995	Primary School	Forodhani Primary School.

Item No.	Date in years	Employer	Position held
1	July 2008 – Oct 2008	TAN ROADS - Tanga	Technician(Practical training)
2	July 2009 – Nov 2009	Holtan East Africa Ltd	Site Technician( Practical training)
3	Nov 2010 – Feb 2012	MB Builders –Arusha.	Site Technician
5	March 2012* - Dec.2014	RT – Construction ltd- dsm	Site Technician
6	Jan 2015- Dec 2017	Blue Mark real Estate co ltd - Dar es salaam	Site engineer
7	2018	Nyakarungu Civil Contractor	Site engineer
	Mar 2018 – To date	Yesaca Civil & Building works.	Site engineer



CV of Omari Chekanae I trust to assure the bio - data are correct





**Name of project:** Upgrading of Handeni - Korogwe road to bitumen standard

**Employer:** TAN ROADS Tanga (Practical Training)

**Year:** 2008

**Location:** Handeni/ korogwe

**Client:** Government of Tanzania under TANROADS.

**Activities performed;**

01.

- Materials Testing( laboratory works)
- Compaction test( Sand replacement Method)
- Checking leveling for road layers
- Supervision of earthworks
- Supervision of pavement structure
- Supervision of alignment of Culverts

**Name of project:** Proposed of Renovation of Mount Meru Hotel.

**Employer:** Holtan East Africa ltd (Practical training)

**Year:** 2009

**Location:** Arusha, Tanzania.

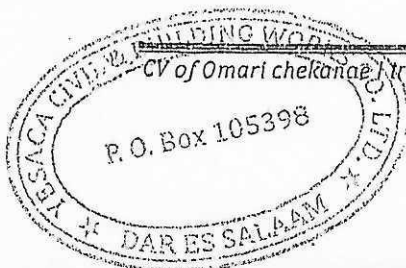
**Client:** M/s Mount Meru Hotel

**Positions held:** Site Technician

**Activities performed & Skills:**

02.

- Setting out of different structure
- Review of Structure Details Drawings
- Preparation of bar bending schedules
- Preparation of trial mix for concrete works
- Quality control from client
- Preparation of report for site meeting
- Survey works( establishment of levels)
- Supervising Construction works.



CV of Omari chekane trust to, assure the bio - data are correct

*[Handwritten signature]*

Name of project: Proposed Construction of one Storey building

Employer: MB Builders ltd

Year: Nov 2010

Location: Arusha, Tanzania.

Client: M/s Trio Hardware.

03

Activities performed;

- Preparation of working drawings
- Setting out of building
- Supervision of excavation and construction works
- Establishment of floor levels.
- Site inspection and supervision

Name of project: Proposed Construction of 4 Storey building for commercial and Residential

Employer: MB Builders ltd

Year: 2011

Location: Arusha, Tanzania.

Client: M/s Remtula

04.

Activities performed;

- Preparation of working drawings
- Setting out of building
- Supervision of excavation and construction works
- Establishment of floor levels.
- Site inspection and supervision

Name of project: Proposed construction of NBC Bank – Mbagala branch

Employer: RT Construction co. LTD

Year: 2012

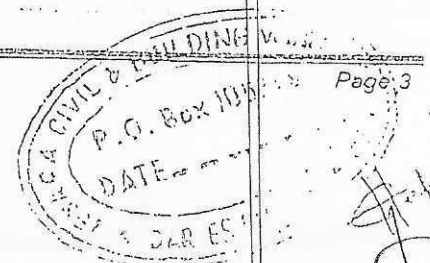
Location: Mbagala - Dsm

Client: NBC - Bank

05.

Activities performed;

- Preparation of working drawings
- Setting out of building
- Supervision of excavation and construction works



- Establishment of floor levels.
- Site inspection and supervision

**Name of project:** Proposed construction of Weighbridge

**Employer:** RT Construction co. LTD

**Year:** 2012

**Location:** Turiani , Morogoro

**Client:** Mtibwa Sugar co ltd

06

**Activities performed;**

- Setting out works
- Supervision of excavation and construction works
- Supervision of steel work
- Supervision of concrete mix ratio and its Quality
- Preparation of working programe and day to day working report

**Name of project:** Proposed construction of 10 storey building for residential and commercial

**Employer:** RT Construction co. LTD

**Year:** 2013

**Location:** Livingstone/ Msimbazi str- Daresalaam

**Client:**

07

**Activities performed;**

- Setting out works
- Supervision of excavation and construction works
- Supervision of steel work
- Supervision of concrete mix ratio and its Quality
- Preparation of working programe and day to day working report
- Survey works(establishment of levels)

**Name of project:** Proposed construction of 3storey Apartment building

**Employer:** RT Construction co. LTD

**Year:** 2013

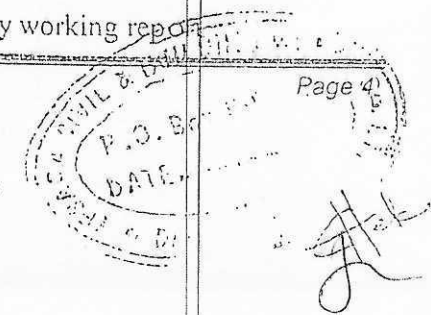
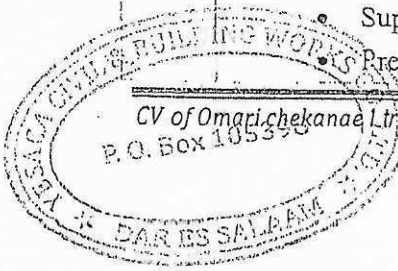
**Location:** Mikocheni , Dar es salaam

**Client:** M/s Beni Mashiba

08

**Activities performed;**

- Setting out works
- Supervision of excavation and construction works
- Supervision of steel work
- Supervision of concrete mix ratio and its Quality
- Preparation of working programe and day to day working report



Name of project: Proposed construction of 3 storey steel structure  
Employer: RT Construction co. LTD

Year: 2014

Location: Tazara adj RTD – DSm

Client: M/S Beni Mashiba

09

Activities performed;

- Setting out works
- Supervision of excavation and construction works
- Supervision of steel work
- Supervision of concrete mix ratio and its Quality
- Preparation of working programe and day to day working report

Name of project: Routine maintenance of Kilwa, Nyerere and Bagamoyo road.  
Employer: BLUEMARK REAR ESTATE co. LTD

Year: 2015

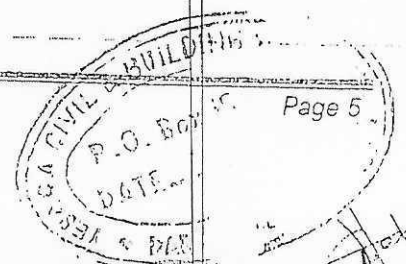
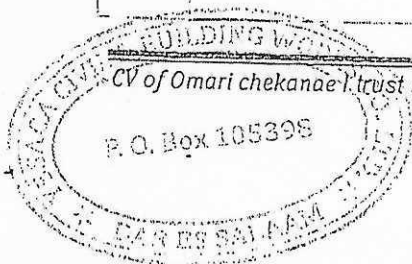
Location: Dar es Salaam

Client: TANROAD- DAR ES SALAAM

Activities performed;

10

- Setting out of structures
- Supervision of excavation and construction works
- Supervision of steel work
- Graveling works
- Heavy and Light grading
- Patching
- Preparation of working programe and day to day working report
- Repair of lineditch
- Excavation and Construction of Side drain
- Desilting works
- Grass cutting
- Sand bagging
- Construction of culverts
- Stone walling



Name of project: Routine maintenance of Kilwa, Nyerere and Bagamoyo road.

Employer: BLUEMARK REAR ESTATE co. LTD

Year: 2016

Location: Dar es Salaam

Client: TANROAD- DAR ES SALAAM

Activities performed;

- Setting out of structures
- Supervision of excavation and construction works
- Supervision of steel work
- Gravelling works
- Heavy and Light grading
- Patching
- Preparation of working programe and day to day working report
- Repair of lineditch
- Excavation and Construction of Side drain
- Desilting works
- Grass cutting
- Sand bagging
- Construction of culverts

11

Name of project: RECCURENT MNTCE OF MOROGORO UNPAVED SERVICE ROADS&PERIODIC MTNCE OF UNPAVED SHOULDERS OF MOROGORO NYERERE, AND NEW BAGAMOYO ROADS,

Employer: BLUEMARK REAR ESTATE co. LTD

Year: 2017

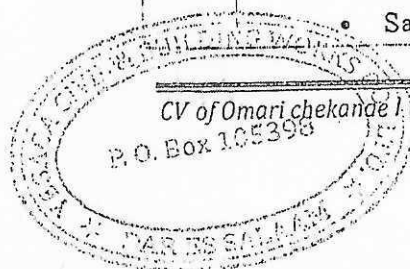
Location: Dar es Salaam

Client: TANROAD- DAR ES SALAAM

Activities performed;

- Setting out of structures
- Supervision of excavation and construction works
- Supervision of steel work
- Gravelling works
- Heavy and Light grading
- Patching
- Preparation of working programe and day to day working report
- Repair of lineditch
- Excavation and Construction of Side drain
- Desilting works
- Grass cutting
- Sand bagging

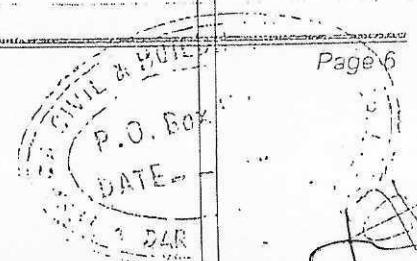
12



CV of Omari chekande Trust to assure the bio - data are correct

P.O. Box 105398

DAR ES SALAAM



Page 6

- Construction of culverts

Name of project: ROUTINE & BRIDGE PREVENTIVE MNTCE OF MOROGORO ROAD, MANDELA INCL SAM NUJOMA ROADS.

Employer: BLUEMARK REAR ESTATE co. LTD

Year: 2018

Location: Dar es Salaam

Client: TANROAD- DAR ES SALAAM

Activities performed;

- Setting out of structures
- Supervision of excavation and construction works
- Supervision of steel work
- Gravelling works
- Heavy and Light grading
- Patching
- Preparation of working programe and day to day working report
- Repair of line ditch
- Excavation and Construction of Side drain
- Desilting works
- Grass cutting
- Sand bagging
- Construction of culverts
- Gabbion
- Construction of Pedestrian slab.

13

Name of project: ROUTINE MNTCE (116.78KM)OF VARIOUS ROADS IN ULANGA DISTRICT COUNCIL.

Employer: NYAKARUNGU CIVIL CONTRACTOR co. LTD

Year: 2018

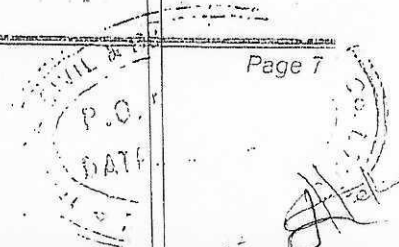
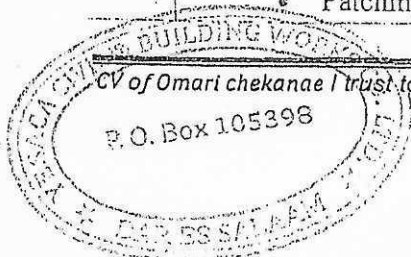
Location: Ulanga , Morogoro

Client: Tarura , Morogoro

14

Activities performed;

- Setting out of structures
- Supervision of excavation and construction works
- Gravelling works
- Heavy and Light grading
- Patching



- Preparation of working programme and day to day working report
- Repair of lineditch
- Excavation and Construction of Side drain
- Desilting works
- Grass cutting
- Construction of culverts
- Construction of Pedestrian slab.
- Construction of Timber Bridge.

Name of project: ROUTINE MAINTANANCE OF KIBAONI( AMANI)- DEREMA – BULWA, BOMBANI- KIWANDA, MGAMBO JCT, KWEWINA – KIZERUI ROADS ,SPOT IMPROVEMENT OF BOMBANI- KIWANDA, MGAMBO JCT, KWEWINA – KIZERUI ROADS, PERIODIC MTNC ON KIBAONI( AMANI)- DEREMA – BULWA ROAD ROADS.

Employer: YESACA CIVIL & BUILDING WORKS co. LTD

Year: 2018/2019

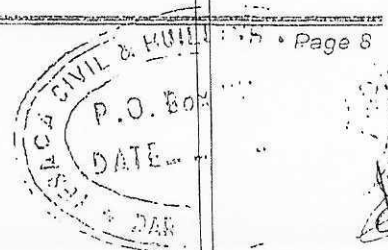
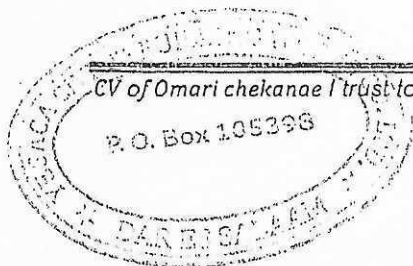
Location: Muheza - Tanga

Client: Tarura – Tanga

15

Activities performed;

- Setting out of structures
- Supervision of excavation and construction works
- Gravelling works
- Heavy and Light grading
- Preparation of working programme and progress report
- Excavation of mitre and side drains
- Desilting works
- Grass cutting
- Construction of culverts
- Construction of Conrete pavement.



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- 2010- BEST STUDENT – Holding the first position in Overall Academic Performance.
- AUG 2011- Attended and Completed a course on BUSINESS MANAGEMENT-CRB
- SEPT 2011- Attended the CRB Annual Consultative Meeting,
- JUNE 2012 – Attended the CRB Annual Consultative Meeting

**TECHNICAL SKILLS**

	<u>Speaking</u>	<u>Reading</u>	<u>Writing</u>
English	Very good	very good	very good
Kiswahili	Excellent	Excellent	Excellent

**TECHNOLOGICAL SKILLS**

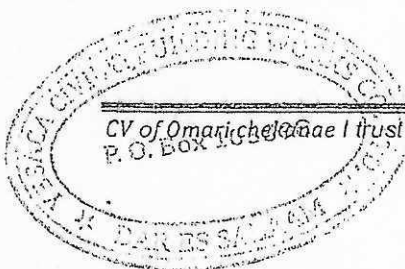
- Computer aided design tools
  - AutoCAD
- Microsoft office: Ms-Word, Ms-excel and Ms-power point

**PERSONAL STRENGTHS**

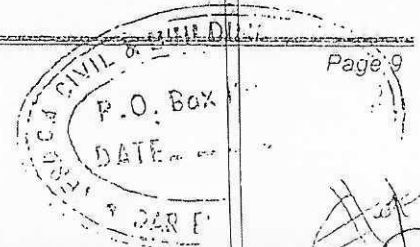
- Motivation,
- Training,
- Communication,
- Team work,
- Accepting criticism,
- Self commitment,
- Integrity, responsibility and accountability.

**HOBBIES AND INTERESTS**

- Doing physical exercises
- Watching movies.
- Reading novels
- Accomplishment of duties timely, by using great care and skills.



CV of Omarichele I trust to assure the bio - data are correct  
P.O. Box 10340



*[Handwritten signature]*

**REFERENCES**

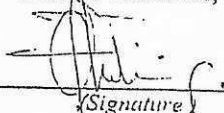
To work very hard and under different challenging environment so that I can exploit my knowledge as a Civil engineer to achieve better organizational performance and create good competitive position for the organization.

**REFERENCES**

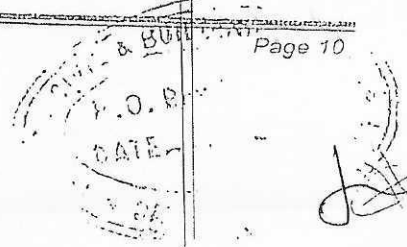
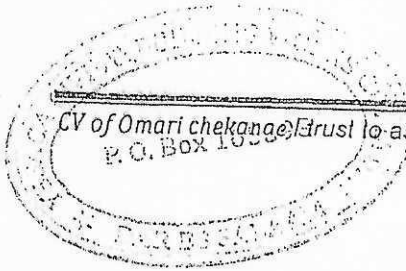
1. DR. MUSAGASA  
EXAMINATION COORDINATOR CIVIL ENGINEERING DEPT  
DAR ES SALAAM INSTITUTE OF TECHNOLOGY  
Mobile +255 (0) 715396983
2. Eng ALLANUS NUNGU  
SOIL LAB INCHARGE  
DAR ES SALAAM INSTITUTE OF TECHNOLOGY  
Mobile +255 (0) 754- 481350
3. Eng, MUNICO CHACHA  
MANAGING DIRECTOR ,  
NYAKARUNGU CIVIL CONTRACTOR  
P.OBOX 1518 DSM  
Mobile +255 (0) 767553600
4. CHIEF LAURANCE  
HUMAN RESOUSES  
BLUEMARK REAL ESTATE CO LTD  
P.O BOX 7534 DSM  
Mobitel +255(0)715835635

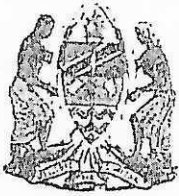
**DECLARATION**

I, certify that to the best of my knowledge and belief that this CV correctly describes me, my qualifications, and my experience. I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.

  
(Signature)

12.06.2024

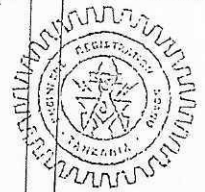




ERB-A-

0116008983

UNITED REPUBLIC OF TANZANIA  
ENGINEERS REGISTRATION  
BOARD



**Certificate of Registration**  
(Under the Engineers Registration Act, 1997)

It is hereby certified that

**Omari F. Chebanae**

having satisfied the requirements for registration as a

**GRADUATE ENGINEER**  
(Trainee Engineer)

under the provisions of the Engineers Registration Act, 1997, was

registered as such on the 27<sup>th</sup> day of January, 2020

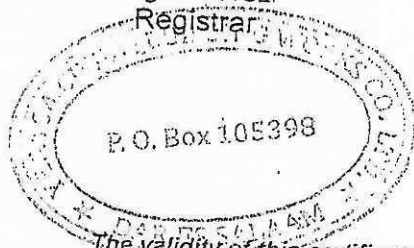
in the discipline of **Civil** engineering and was

given registration number **15557**

Sealed and given under our hands at Dar es Salaam

this 26<sup>th</sup> day of June, 2020.

Eng. P. Barozi  
Registrar



P.O. Box 105398

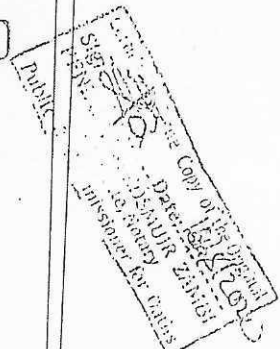
Eng. Prof. N. M. Lema  
Chairman

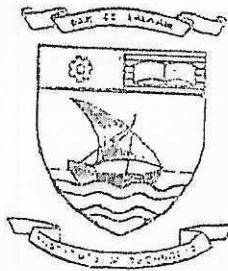
Eng. Othman S. Khatib  
Board Member



P.O. Box 105398

The validity of this certificate is three years and expires on 26<sup>th</sup> day of January, 2023





# DAR ES SALAAM INSTITUTE OF TECHNOLOGY

*This is to Certify that*


**OMARI F. CHEKANAE**

of Registration number 120141472097

Having satisfied the requirements for the award of  
Bachelor Of Engineering (Civil Engineering)  
Lower Second Class

Which was conferred at a congregation held in Dar es Salaam  
on the thirtieth of January in the year Two Thousand and Sixteen

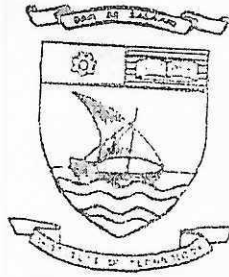
Certified as True Copy of the Original  
Date: 06/01/2016  
Principal & Commissioner for duties

  
Principal  
Box 105398  
DAR ES SALAAM

  
Registrar

BECE 0001126





DAR ES SALAAM INSTITUTE OF TECHNOLOGY

*This is to Certify that*

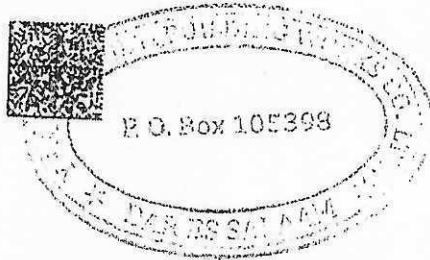
OMARI F. CHEKANAE

of Registration number 0701014242

Having satisfied the requirements for the award of  
Ordinary Diploma In Civil Engineering  
Upper Second Class

Which was conferred at a congregation held in Dar es Salaam  
on the twenty ninth of January in the year Two thousand and eleven

  
Principal



Form 100 (Use only for the purpose of the institution)  
STAMPED  
PENDING  
Office & Commissioned for Date  
21/01/2011

  
Registrar

ODCE 0000241



## CURRICULUM VITAE

Name: CRIVIN .W. MLAY  
 Date of birth: 26/10/1987  
 Gender: Male  
 Marital status: Single  
 Nationality: Tanzanian  
 Place of birth: Dar es Salaam, Muhimbili  
 Language spoken: Swahili and English  
 Mobile no: 0652 194 187, Email: grevnio@gmail.com

## EDUCATION BACKGROUND AND QUALIFICATION

Year	Institution/School	Award
2011-2014	Dar es Salaam Institute of Technology	Degree in Building and Civil Engineering
2009-2010	Dar es Salaam Institute of Technology	Diploma in Building and Civil Engineering
2008-2009	Dar es Salaam Institute of Technology	Technician Certificate in Building and Civil Engineering
2007-2008	Dar es Salaam Institute of Technology	Basic Technician Certificate in Building and Civil Engineering
2003-2006	Kolila High Secondary School	Certificate of Secondary Education
1996-2002	Mallio Primary School	Certificate of Primary Education

## PROJECT EXPERIENCE

Project	Building and Civil Engineering Project
Title	Study of Sub grade Soil along Mbweni Junction to Buju Road in D

Title	Correlating Standard Penetration test and Dynamic Probe Super Heavy Penetration resistance value in sandy soils in degree.
-------	--

## WORKING EXPERIENCE FROM INDUSTRIAL PRACTICAL TRAINING (IPT)

Duration	location	Position held	Activities
August 2011 – 2013 SEPTEMBER (IPT 1 and 2) BENG	- Zanzibar Maruhubi -Tanga Cement Industry	Assistance Engineer	-Setting out of machine. -Logging of soil and core sample. -Processing of data.
First year in college (June 28 – Sep-2008)	Masasi Construction CC Limited Dar es Salaam	Civil trainee Technician	-leveling -Steel bending -Supervising -Setting out

P. O. Box 105398

P. O. Box 105398

DAR ES SALAAM



Duration	location	Position held	Activities
Second year in Collage (June 28-sep 2009)	Tan road Dar es Salaam	Civil Technician	Technician
Third year in collage (2009-2010)	Del Moute Co. Limited	Civil Technician	Technician

### OTHER WORKING EXPERIENCE FROM THE DIFFERENT COMPANYS

Jan, 2017 to date. Position: ENGINEER Company: YESACA CIVIL AND BUILDING WORKS COMPANY.

#### PROJECT 1

On August 2010-January,2011, Construction of Bagamoyo Road, project at Bago to Tarawanda near to Chalinze having 22km the project were done by Del moute Co Limited activities done during the project period.

The major activities which were done during the project time as civil technical are described below:

- Supervision of earthwork
- Leveling
- Supervision during construction of the road.

#### PROJECT 2

On January-October 2011,Tanga cement Phase 1 and Phase 11 Limestone Deposit Exploration drill Project, Tanga handeni Bridge project,TanESCO Substation, Zanzibar project and within Dar es Salaam region project were done by Send Star Company Limited to the company I was employed as Civil and geological technician. To this project above some of activities which I was done as Civil and geological technician during the project period;

- Doing the geotechnical and lithological logging to the drilled core samples
- Get involved to the core sampling and cutting; here involves using the core split machine, filling the sampling books and sample dispatch form jointly and lastly to withdraw samples to the propose laboratory.
- Involved in Testing undisturbed and Disturbed sample so as to getting the proper data-supporting tests such as Grain-size distribution, Atter bag test, Specific gravity, Consolidation test, Moisture density relation, Triaxial test, Compaction test, Permeability-pumping test, bearing Capacity-CBR and Shear strength test.

DAR ES SALAAM

YESACA CIVIL AND BUILDING WORKS CO  
P. Box 105398



- Also doing collection and processing of data to all drilled holes for the final report

**PROJECT 3**

On April 15-August 2015, involving with soil investigation from MTWARA to MBAMBABAY with a project of Railway line construction which were doné by Stuiamak Engineering Company Limited to the company I was employed as Site Engineer.

Some of activities which I was done as Site engineer during the project period;

- Location of the planned borehole, tunnel, sound test and plan hole by GPS.
- Doing the geotechnical and lithological logging to the drilled core samples.
- Get involved to the core sampling and cutting; here involves using the core split machine, filling the sampling books and sample dispatch form jointly and lastly to withdraw samples to the propose laboratory.
- Involved in Testing undisturbed and Disturbed samples so as to getting the proper data supporting tests such as Grain-size distribution, Alter bag test, Specific gravity, Consolidation test, Moisture density relations, Triaxial test, Compaction test, Permeability-pumping test, bearing capacity-CBR and Shear strength test.
- Also doing collection and processing of data to all drilled holes for the final report.

**PROJECT 4**

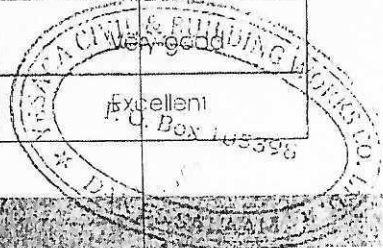
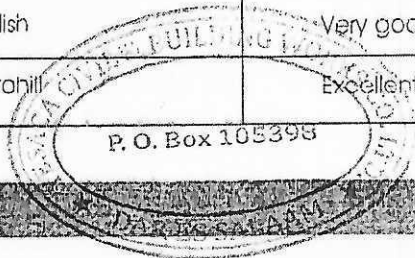
On December 23015-2016, Involving with Material test at Korogwe (Tanga) with a project of construction of New bus stand in Korogwe which were done by Namis corporate Company Limited to the company I was employed as Material and Site Engineer.

**OTHER SKILLS AND KNOWLEDGE**

- Computer application (MS Office, Internet, Auto CAD and Log plot Software etc)
- First Aid and Fire Fighting
- Practical Involvement in Geotechnical works and Monitoring
- Able to manage civil works (supervisory Level)
- Acquitted with sound environmental management skills
- Applied skills in selection, usage and storage of civil materials.

**LANGUAGE PROFICIENCY**

Language	Reading	Writing	Speaking
English	Very good	Very good	Very good
Kiswahili	Excellent	Excellent	Excellent



*[Handwritten signature]*

**PERSONAL ATTRIBUTIES**

- Able to work safety
- Able to work in dynamic environment
- Flexible as situation demand
- Ability to supervise other
- Able to learn new technique/technology fast
- Can work under pressure and tight deadline
- Able to work in a team environment
- Able to follow and give instructions accurately
- Hard working with creative and innovative mind

**HABBIES AND INTEREST**

- Reading books, newspaper, articles, magazine and novels
- Corporation and socializing
- Watching TV (news and football)
- Exchanging ideas with peoples
- Tours and travel
- Body exercises.

**REFFEREES**

Dr Johnson Malisa  
Lecturer-Civil Engineering Department  
Dar es Salaam Institute of Technology  
P.O. Box 2958  
Dar es Salaam, Tanzania  
Email:jmalisa2004@yahoo.cm  
Mobile: +255 222150174 | +255 715155118 | +255 684009268

Angelina Sangiwa,  
P.O.Box 70757,  
Dar es Salaam, Tanzania  
Mobile: +255 655496220

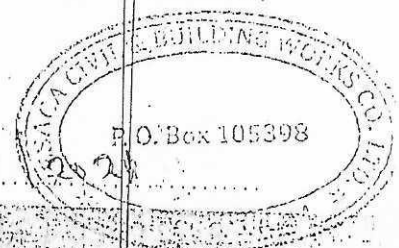
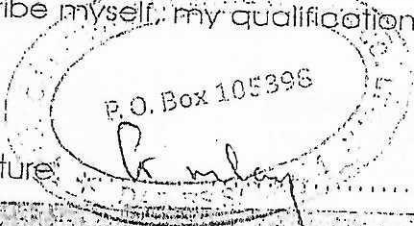
**DECLARATION**

I hereby declare that the information given is correct to the best of my knowledge and belief, that I have not withheld any information which might reasonably be calculated to adversely affect suitability for employment, and that this CV correctly describe myself, my qualifications and experience.

Signature: *Grivin W. Mlay*

GRIVIN .W. MLAY

Date: 04/06/2024



*Grivin W. Mlay*