



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



CONTRACT NO. AE-068/2021-2022/HQ/TCRP/W/04/02

BETWEEN

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

AND

**M/S JAMTA CONSTRUCTION INVESTMENT (T) LIMITED
P.O BOX 71262,
DAR-ES-SALAAM**

**REHABILITATION OF ACCESS ROAD AND NATURE TRAILS AT PUGU
KAZIMZUMBWI NATURE RESERVE.**

~~#~~ Form of Contract

This Contract, made the 05 day of January, 2022 between **Tanzania Forest Services Agency, P.O BOX 40832, Dar-es-Salaam** (hereinafter called "the Employer") and **Jamta Construction Investment (T) Limited, P.O BOX 71262, 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 Pugu Kazimzumbwi Nature Reserve for contract no. AE-068/2021-2022/HQ/TCRP/W/04/02** (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 294,764,800 (Two Hundred Ninety Four Million Seven Hundred Sixty Four Thousand Eight Hundred Only)** (hereinafter called "**Contract Price**") VAT inclusive.

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 **Tanzania shillings 294,764,800 (Two Hundred Ninety Four Million Seven Hundred Sixty Four Thousand Eight Hundred Only)** (hereinafter called "**Contract Price**") VAT inclusive e 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. DOSSANOS SILANO

Signature: [Signature]

Occupation: CONSERVATION COMMISSIONER

Date: 5.01.2022

In the Presence of

Name: DAVID MUNGONGO

Signature: [Signature]

Designation: MANAGER, LEGAL SERVICES.

CHIEF EXECUTIVE
TANZANIA FOREST SERVICES (TFS) AGENCY

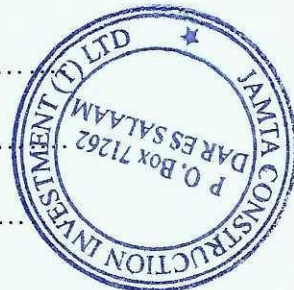
SIGNED by the said for and on behalf of the 'Contractor'.

Name: DR. ALBORI EUSTASIO KATAGIRI

Signature: [Signature]

Occupation: MANAGING DIRECTOR

Date: 5th January 2022



In the Presence of

Name: Eng KUNDARELI Y. MFWANGAVO

Signature: [Signature]

Designation: CHIEF ENGINEER - JAMTA

Date: 5th January 2022

[Signature]

LETTER OF ACCEPTANCE



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

P.O. BOX. 40832
DAR ES SALAAM

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

4th January, 2022

Director,
Jamta Construction Investment (T) Limited
P.O BOX 71262,
DAR-ES-SALAAM

REF: LETTER OF ACCEPTANCE

This is to notify you that your tender dated 28th 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/04/02** as given in the *Special Conditions of Contract* for the Contract Price of the equivalent of Tanzania shillings 294,764,800 (Two Hundred Ninety Four Million Seven Hundred Sixty Four Thousand Eight Hundred Only) (hereinafter called "Contract Price") 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

Handwritten signature or mark.

2. Form of Tender

28th December 2021

To: Tanzania Forest Services Agency

We JAMTA Construction Investment (T) Ltd, offer to execute the **Rehabilitation of Access Roads and Nature Trails in Pugu/Kazimzumbwi Nature Forest Reserve.** Tender No AE-068/2021-2022/HQ/TCR/W/04/02 in accordance with the Conditions of Contract accompanying this tender for the Contract Price of:

Tshs 294,764,800/=

Two Hundred and ninety four Million Seven Hundred and Sixty four Thousand Eight Hundred only in Tanzanian Shillings.

We also offer to complete the said works within a period of **Three months** that includes the mobilization period.

We declare that our tendering price did not involve agreements with other tenderers for the purpose of tender suppression.

We hereby confirming **National Construction Council** to be the appointing authority, to appoint the adjudicator in case of any arisen disputes in accordance with ITT 43.1[Adjudicator]

We are not participating, as tenders, in more than one tender in this tendering process other than alternative tenders in accordance with the tendering documents.

This tender 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 tender you receive.

We hereby confirm that this tender complies with the tender validity and tender security required by the tendering documents and specified in the Tender Data Sheet.

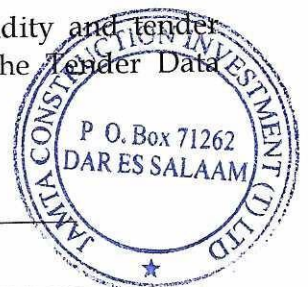
Authorized Signature: _____



Name and Title of Signatory: Dr Albert E. Katagira (Managing Director)

Name of Tenderer: JAMTA CONSTRUCTION INVESTMENT (T) LIMITED

Address: P.O.Box 71262 DAR ES SALAAM



SECTION V: SPECIAL CONDITIONS OF CONTRACT

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

		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 Within fourteen calendar days after submission of acceptable Performance Security.
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: National Construction Council (NCC) Tanzania
14.	32.3	Arbitration will take place at Dar es Salaam in accordance with rules and regulations published by National Construction Council (NCC) Tanzania <i>using the rules and regulations of Institute of Arbitrators Tanzania</i>
15.	35.1	Security of the site shall be the contractor's onuses
B. Time Control		
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 thirty (30) calendar.
18.	36.2	The amount to be withheld by the Project Manager in the case the contractor does not submit an updated programme is: Tanzanian Shillings One Million (TZS 1,000,000.00) only
C. Quality Control		
19.	44.1	The Defects Liability Period is One hundred eighty (180) calendar days.
D. Cost Control		
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 Tanzania Shillings (TZS)
22.	57	The contract <i>is not</i> subject to price adjustment.

23.	58.1	The amount of retention is Ten (10) percent of value of works of Interim Payment Certificate.
		Limit of retention will be Ten (10) percent of Contract Price.
24.	59.1	The amount of liquidated damages per day is 0.1% of the contract price per day.
		The maximum amount of liquidated damages is 10% of the final Contract Price
25.	60.1	The bonus for early completion is Not Applicable
26.	61.1	The amount of advance payment shall be 15 per cent of the contract sum payable after Submission of acceptable unconditional Advance Payment bank guarantee
		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 Ten (10) Percent of the Contract Price for performance bond or 10 percent for Bank Guarantee.
		The performance security shall be submitted within fourteen days (14) working days after signing the contract
28	66.1	Contractor shall handover the site and the works to the Employer within Seven (7) calendar days after the Project Manager issuing the Certificate of Completion
		E. Discharge of the Contract
29.	68.1	As built drawings shall be supplied by the contractor by. Not Applicable
		Operating manual shall be supplied by the contractor by Not Applicable
30.	68.2	The amount to be withheld by the Project Manager in the case the contractor does not submit as built drawings is: Not Applicable
		The amount to be withheld by the Project Manager in the case the contractor does not submit operating manual is: Not Applicable
31.	69.2 (i)	Number of days for which the maximum amount of liquidated

		damages can be paid is <i>100 Days</i>
32.	70.1	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>



SPECIFICATIONS

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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



GENERAL CONDITION OF CONTRACT (GCC)



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>A. General</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 180 days.</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 Pugu/Kazimzumbwi Nature Forest Reserve</p> <p>The Start Date shall be 14 days after 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 Pugu/Kazimzumbwi Forest Kisarawe District in Coast Region</p>
2.	2.2	Sectional completion is not specified
3.	2.3(10)	<p>List other documents that form part of the contract if any:</p> <p>a) Minutes of Pre-contract negotiation meeting if any</p>

A. General

1. Definition

The following words and expressions shall have the meanings hereby assigned to them:.

The **Adjudicator** 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.

The **Arbitrator** is the person appointed to resolve contractual disputes, and as provided for in GCC 32 hereunder.

Bill of Quantities means the priced and completed Bill of Quantities forming part of the Tender.

Compensation Events are those events provided for in GCC 55.

The **Completion Date** is the date of completion of the Works as certified by the Project Manager, in accordance with GCC 21.1

The **Commencement Date** is the date when the Contractor shall commence execution of the Works as specified in the **Notice of Contract Commencement**. The Commencement Date may be revised by the Project Manager in consultation with the employer by issuing an extension of time.

The **Contract** 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.

The **Contractor** is a person whether natural or legal whose Tender to carry out the Works has been accepted by the Employer.

The **Contractor's Tender** is the completed tendering document submitted by the Contractor to the Employer.

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

Days are calendar days; **Months** are calendar

		<p>months.</p> <p>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.</p> <p>A Defect is any part of the Works not completed in accordance with the Contract.</p> <p>The Defects Liability Certificate is the certificate issued by Project Manager upon correction of defects by the Contractor.</p> <p>The Defects Liability Period is the period named in the SCC and calculated from the Completion Date.</p> <p>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.</p> <p>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.</p> <p>The Employer is the person named as employer in the SCC and the legal successors in title to this person.</p> <p>Equipment is the Contractor's machinery and vehicles brought to the Site to execute the Works.</p> <p>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.</p> <p>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,</p>
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	<p>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.</p> <p>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.</p> <p>Materials are all supplies, including consumables, used by the Contractor for execution of the Works.</p> <p>Plant is any integral part of the Works that shall have a mechanical, electrical, chemical, or biological function.</p> <p>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.</p> <p>The Site is the area where works are to be executed as specified in the SCC.</p> <p>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.</p> <p>Specification means the Specification of the Works included in the Contract and any modification or addition made or approved by the Project Manager.</p> <p>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.</p> <p>A Subcontractor is a person whether natural or legal who has a Contract with the Contractor to carry out a part of the work in the Contract, which</p>
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		<p>includes work on the Site.</p> <p>Temporary Works are works designed, constructed, installed, and removed by the Contractor that are needed for construction or installation of the Works.</p> <p>A Variation is an instruction given by the Project Manager in consultation with the Employer, that varies the Works.</p> <p>The Works 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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<p>2. Interpretation</p>	<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"> (1) Form of Agreement, (2) Special Conditions of Contract, (3) General Conditions of Contract, (4) Letter of Acceptance, (5) Certificate of Contract Commencement, (6) Specifications, (7) Drawings, (8) Bill of Quantities, (9) Contractor's Tender, and (10) Any other document listed in the Special Conditions of Contract as forming part of the Contract.
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3. Conditions Precedent	<p>3.1 Having signed the Contract, it shall come into effect on the date on which the following conditions have been satisfied:-</p> <ul style="list-style-type: none"> a) Submission of performance Security in the form specified in the SCC; and b) Furnishing of Unconditional Advance Payment Guarantee. <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>
4. Language and Law	<p>4.1 The language of the Contract and the law governing the Contract are stated in the SCC.</p>
5. Confidentiality	<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>
6. Project Manager's role	<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>
7. Delegation	<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"> (a) These persons shall be jointly and severally liable to the Employer for the performance of the Contract; (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 (c) The Contractor shall not alter its composition or legal status without the prior consent of the Employer.
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

13. Personnel		<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>
14. Employer's and Contractor's Risks		<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>



15. Employer's Risks	<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"> (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"> (i) use or occupation of the Site for the purpose of the Works, which is the unavoidable result of the Works or (ii) negligence, breach of statutory duty, or interference with any legal right by the Employer or by any person employed by or contracted to him except the Contractor. (b) The risk of damage to the Works, Plant, Materials, and Equipment to the extent that it is due to a fault of the Employer or in the Employer's design, <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"> (i) a Defect which existed on the Completion Date, (ii) an event occurring before the Completion Date, which was not itself an Employer's risk, or (ii) the activities of the Contractor on the Site after the Completion Date.
16. Contractor's Risks	<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>

17. Insurance	<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"> (a) loss of or damage to the Works, Plant, and Materials; (b) loss of or damage to Equipment; (c) loss of or damage to property (except the Works, Plant, Materials, and Equipment) in connection with the Contract; and (d) personal injury or death. <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>
18. Site Investigation Reports	<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>
19. Queries about Implementation of Contract	<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		<p>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.</p>
26 Health and Safety		<p>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>
		<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>32 Procedure for disputes</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>



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		35.1 Unless otherwise stated in the SCC, (a) the Contractor shall be responsible for keeping unauthorised persons off the site, and (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.
		B. Time Control
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

38 Acceleration		<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>
39 Delays Ordered by the Project Manager		<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>
40 Management Meetings		<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>

41 Early Warning Notice		<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>
		C. Quality Control

42 Identifying Defects		<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>
43 Tests		<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>
44 Correction of Defects		<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>
45 Extension of Defect Liability Period		<p>45.1 The Defects Liability Period may be extended by the Project Manager for as long as Defects remain to be corrected.</p>
46 Uncorrected Defects		<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>

<p>50 Payments for Variations</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>51 Cash Flow Forecasts</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>



<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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53 Payments	<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>
54 Currencies	<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>55 Compensation Events</p>	<p>55.1 The following shall be Compensation Events:</p> <ul style="list-style-type: none"> (a) The Employer does not give access to a part of the Site by the Site Possession Date as per GCC 28.1. (b) The Employer modifies the Schedule of Other Contractors in a way that affects the work of the Contractor under the Contract. (c) The Project Manager orders a delay or does not issue Drawings, Specifications, or instructions required for execution of the Works on time. (d) The Project Manager instructs the Contractor to uncover or to carry out additional tests upon work, which is then found to have no Defects. (e) The Project Manager unreasonably does not approve a subcontract to be let. (f) Ground conditions are substantially more adverse than could reasonably have been assumed before issuance of the Letter of Acceptance from the information issued to tenderers (including the Site Investigation Reports), from information available publicly and from a visual inspection of the Site. (g) The Project Manager gives an instruction for dealing with an unforeseen condition, caused by the Employer, or additional work required for safety or other reasons. (h) Other contractors, public authorities, utilities, or the Employer does not work within the dates and other constraints stated in the Contract, and they cause delay or extra cost to the Contractor. (i) The advance payment is delayed. (j) The effects on the Contractor of any of the Employer's Risks. (k) The Project Manager unreasonably delays issuing a Certificate of Completion. (l) Other Compensation Events described in the Contract or determined by the Project Manager shall apply.
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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>
56 Effect of Changes in Tax Laws		<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>

57 Price Adjustment		57.1 If applicable and stated in SCC, the amounts payable to the Contractor, pursuant to GCC 53.1 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.
		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.
		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;
		$P_n = a + b \frac{L_n - L_o}{L_o} + c \frac{M_n - M_o}{M_o} + d \frac{E_n - E_o}{E_o} + etc.$ <p>where;</p> <p>P_n 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>

	<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>

		<p>where;</p> <p>The effective value P_c 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"> • any amount for payment or repayment of any advance payment; • any amount for materials on site (if any); • any amounts for nominated sub-contractors (if any) • any amounts for any other items based on actual cost or current prices; or • any sums for increase or decreases in the Contract Price paid under this Sub-Clause <p>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 Appendix to Tender, 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 Appendix to Tender, 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>

<p>58 Retention</p>		<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>59 Liquidated Damages</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>60 Bonus</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>

61 Advance Payment	<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>
62 Performance Securities	<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.
		E. Discharge of the Contract

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.

		<p>69.2 Fundamental breaches of Contract shall include, but shall not be limited to, the following:</p> <ul style="list-style-type: none"> (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,
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		<p>obstructive or fraudulent practices in competing for or in executing the Contract.</p> <p>For the purpose of this paragraph:</p> <p>"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;</p> <p>"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;</p> <p>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</p> <p>"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;</p> <p>"obstructive practice" means acts intended to materially impede access to required information in exercising a duty under this Contract;</p>
	69.3	<p>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>

		<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>
70 Payment upon Termination		<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>
74 Release from Performance		<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

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PROJECT: REHABILITATION OF MINAKI-BWAWANI ROAD 1.1KM. (BILLS OF QUANTITIES)

ITEM	DESCRIPTION OF WORKS	Specs	UNIT	QTY	RATE (VAT INCLUSIVE)	AMOUNT (VAT INCLUSIVE)
	PRELIMINARY AND GENERAL COST					
	Mobilization and Demobilization		LS	1	4,000,000.00	4,000,000.00
2.0	CLEARANCE					
2.1	Site clearance:- Bush clearance	2.1	m ²		500.00	-
				500		
	ROAD FORMATION & GRAVEL WORKS					
2.2	Heavy grading	2.5.2	km	1	2,200,000.00	2,200,000.00
	Gravel Wearing Course (Note less than G22 and the price of gravel shall take into account the overhaul cost)(From Ch 0+800 to 1+000)		m3	375	28,000.00	10,500,000.00
	DRAINAGE					
	Excavate side drains as per attached drawings or Engineer directed,all excavated materials shall be removed and disposed away from the road reserves		m3	126	1,500.00	189,000.00
	Cast insitu concrete 100mm thick slabs or equivalent concrete for lined ditches (class 20) including 6mm dia BRC wire mesh for lining/base and sides in a bay of 2.5m long		m3	51	290,000.00	14,790,000.00
	TOTAL AMOUNT WITH VAT INCLUSIVE					31,679,000.00

Note:Gravel =0.5Km

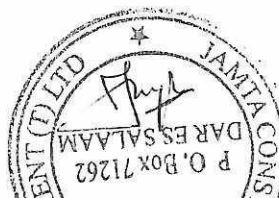


PROJECT: REHABILITATION OF KIMANI KONA-MAGURUWE KIBAONI ROAD 12KM. (BILLS OF QUANTITIES).

ITEM	DESCRIPTION OF WORKS	Specs	UNIT	QTY	RATE (VAT INCLUSIVE)	AMOUNT (VAT INCLUSIVE)
	PRELIMINARY AND GENERAL COST					
	Mobilization and Demobilization		LS	1	8,000,000.00	8,000,000.00
2.0	CLEARANCE					
2.1	Site clearance:- Bush clearance	2.1	m ²	14,000	80.00	1,120,000.00
	Sub Total					9,120,000.00
	ROAD FORMATION & GRAVEL WORKS					
2.2	Heavy grading	2.5.2	km	12	2,200,000.00	26,400,000.00
	Cut to level		m3	1000	13,000.00	13,000,000.00
	Gravel Wearing Course (Note less than G22 and the price of gravel shall take into account the overhaul cost) (From Ch 0+000 to 1+320)		m3	750	28,000.00	21,000,000.00
	Sub Total					60,400,000.00
	DRAINAGE					
	Excavate side drains as per attached drawings or Engineer directed, all excavated materials shall be removed and disposed away from the road reserves		m3	420	1,500.00	630,000.00
	Cast insitu concrete 100mm thick slabs or equivalent concrete for lined ditches (class 20) including 6mm dia BRC wire mesh for lining/base and sides in a bay of 2.5m long		m3	68	290,000.00	19,720,000.00
	Sub Total					20,350,000.00
	Concrete Pipe Culverts					
	Reinforced Concrete Pipes					
	900 mm dia		m	35	400,000.00	14,000,000.00
	Concrete in drainage structure class 15		m3	11.5	280,000.00	3,220,000.00
	Concrete in drainage structure class 20		m3	31	370,000.00	11,470,000.00
	Sub Total					28,690,000.00
	TOTAL AMOUNT WITH VAT INCLUSIVE					69,520,000.00

118,560,000.00

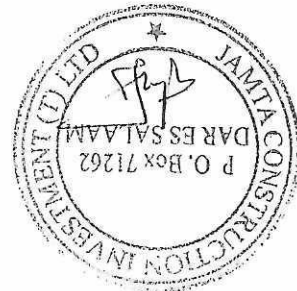
Note: Gravel = 1km



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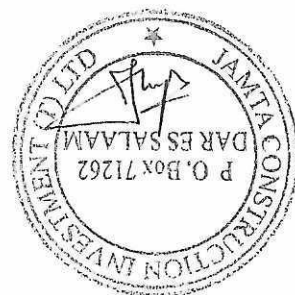
PROJECT: REHABILITATION OF MKONGONI-VIEW POINT ROAD 1.85KM. (BILLS OF QUANTITIES).

ITEM	DESCRIPTION OF WORKS	Specs	UNIT	QTY	RATE (VAT INCLUSIVE)	AMOUNT (VAT INCLUSIVE)
	PRELIMINARY AND GENERAL COST					
	Mobilization and Demobilization		LS	1	4,500,000.00	4,500,000.00
2.0	CLEARANCE					
2.1	Site clearance:- Bush clearance	2.1	m ²	1,396	100.00	139,600.00
	ROAD FORMATION & GRAVEL WORKS					
2.2	Prepare surface by levelling and compact	2.5.2	m2	698	1,800.00	1,256,400.00
	Gravel Wearing Course (Note less than G22 and the price of gravel shall take into account the overhaul cost)(From Ch 0+000 to 1+320)			NA		
	CONSTRUCTION OF STEPS					
	Sand filling 100mm thick		m3	279.2	24,000.00	6,700,800.00
	Construct a pavement by using a concrete blocks		m2	600	33,000.00	19,800,000.00
	Cast insitu concrete 150mm thick for concrete kerb stone strip (class 20) including 6mm dia BRC wire mesh.		m3	20.94	350,000.00	7,329,000.00
	TOTAL AMOUNT WITH VAT INCLUSIVE					39,725,800.00



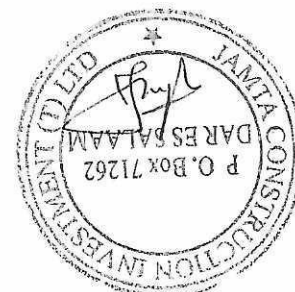
PROJECT: REHABILITATION OF MPUGUPUGU-BWAWANI ROAD 0.616KM. (BILLS OF QUANTITIES)

ITEM	DESCRIPTION OF WORKS	Specs	UNIT	QTY	RATE (VAT INCLUSIVE)	AMOUNT (VAT INCLUSIVE)
	PRELIMINARY AND GENERAL COST					
	Mobilization and Demobilization		LS	1	4,500,000.00	4,500,000.00
2.0	CLEARANCE					
2.1	Site clearance:- Bush clearance	2.1	m ²	600	150.00	90,000.00
	ROAD FORMATION & GRAVEL WORKS					
2.2	Prepare surface by levelling and compact	2.5.2	m2	300	1,800.00	540,000.00
	Gravel Wearing Course (Note less than G22 and the price of gravel shall take into account the overhaul cost)(From Ch 0+000 to 1+320)			NA		
	CONSTRUCTION OF STEPS					
	Sand filling 100mm thick		m3	120	24,000.00	2,880,000.00
	Construct a pavement by using a concrete blocks		m2	400	33,000.00	13,200,000.00
	Cast insitu concrete 150mm thick for concrete kerb stone strip (class 20) including 6mm dia BRC wire mesh.		m3	9	350,000.00	3,150,000.00
	TOTAL AMOUNT WITH VAT INCLUSIVE					24,360,000.00



PROJECT: REHABILITATION OF BWAWANI-KINYANYIKO ROAD 1.79KM. (BILLS OF QUANTITIES).

ITEM	DESCRIPTION OF WORKS	Specs	UNIT	QTY	RATE (VAT INCLUSIVE)	AMOUNT (VAT INCLUSIVE)
	PRELIMINARY AND GENERAL COST					
	Mobilization and Demobilization		LS	1	4,500,000.00	4,500,000.00
2.0	CLEARANCE					
2.1	Site clearance:- Bush clearance	2.1	m ²	1,600	150.00	240,000.00
	ROAD FORMATION & GRAVEL WORKS					
2.2	Prepare surface by levelling and compact	2.5.2	m2	800	2,000.00	1,600,000.00
	Gravel Wearing Course (Note less than G22 and the price of gravel shall take into account the overhaul cost)(From Ch 0+000 to 1+320)			NA		
	CONSTRUCTION OF STEPS					
	Sand filling 100mm thick		m3	320	25,000.00	8,000,000.00
	Construct a pavement by using a concrete blocks		m2	600	33,000.00	19,800,000.00
	Cast insitu concrete 150mm thick for concrete kerb stone strip (class 20) including 6mm dia BRC wire mesh.		m3	24	350,000.00	8,400,000.00
	TOTAL AMOUNT WITH VAT INCLUSIVE					42,540,000.00



PROJECT: REHABILITATION OF BWAWANI- VIEW POINT ROAD 1.32KM. (BILLS OF QUANTITIES)

ITEM	DESCRIPTION OF WORKS	Specs	UNIT	QTY	RATE (VAT INCLUSIVE)	AMOUNT (VAT INCLUSIVE)
	PRELIMINARY AND GENERAL COST					
	Mobilization and Demobilization		LS	1	4,500,000.00	4,500,000.00
2.0	CLEARANCE					
2.1	Site clearance:- Bush clearance	2.1	m ²	1,000	300.00	300,000.00
	ROAD FORMATION & GRAVEL WORKS					
2.2	Prepare surface by levelling and compact	2.5.2	m2	1000	2,000.00	2,000,000.00
	Gravel Wearing Course (Note less than G22 and the price of gravel shall take into account the overhaul cost)(From Ch 0+000 to 1+320)			NA		
	CONSTRUCTION OF STEPS					
	Sand filling 100mm thick		m3	200	25,000.00	5,000,000.00
	Construct a pavement by using a concrete blocks 5MPA		m2	600	33,000.00	19,800,000.00
	Cast insitu concrete 150mm thick for concrete kerb stone strip (class 20) including 6mm dia BRC wire mesh.		m3	18	350,000.00	6,300,000.00
	TOTAL AMOUNT WITH VAT INCLUSIVE					37,900,000.00

Minako-Bwawani	31,679,000.00
Kimani- Maguruwe	118,560,000.00
Mkongoni-Darajan	39,725,800.00
Mpugupugu-Bawar	24,360,000.00
Bwawani-Kinyanyiki	42,540,000.00
Bwawani-View poir	37,900,000.00
Grand total	294,764,800.00



SPECIFICATIONS

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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:

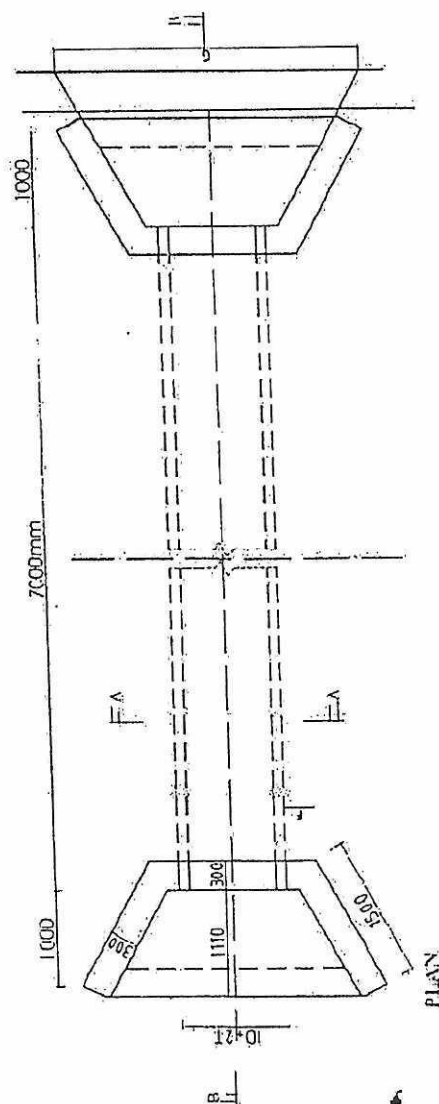
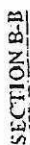
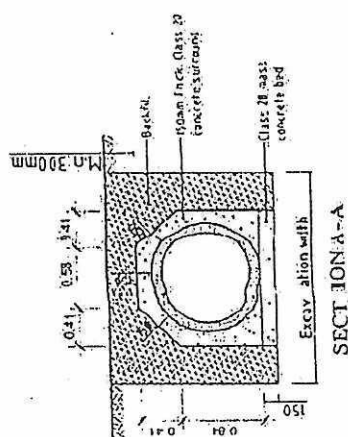
TANROADS,
P.O. Box 11364,
Dar Es salaam, Tanzania
Telephone: +255-22-2666122/ 2666088
Facsimile: +255-22-2666088
E-mail: tanroadshq@tanroads.go.tz

DRAWINGS



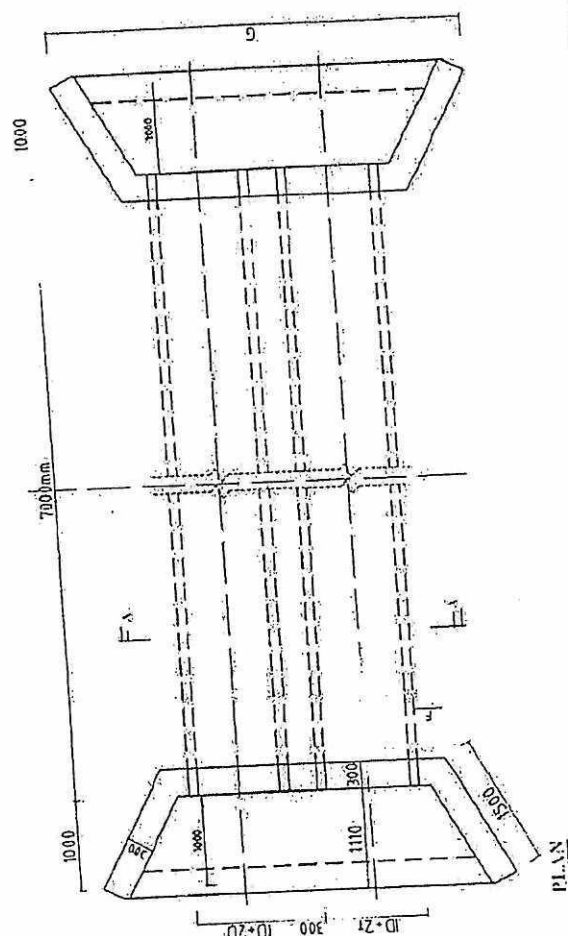
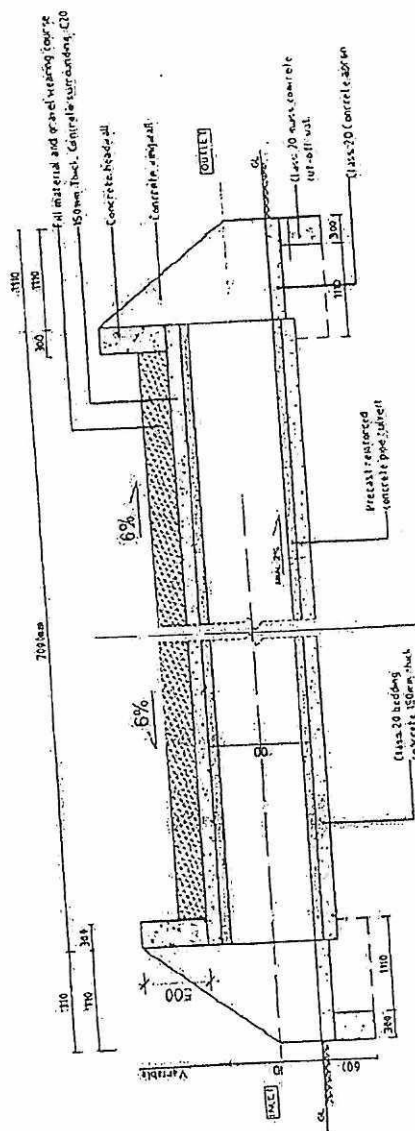
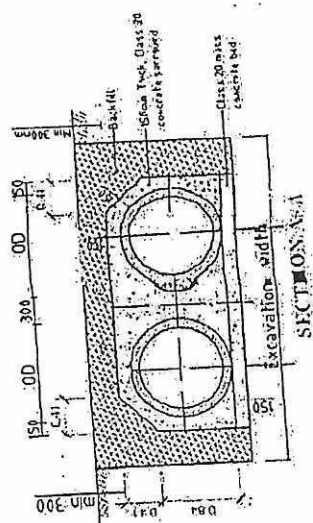


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DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE

DWG No.: 202-200	SHEET No.: 1 OF 2
DRAWING TITLE: CONCRETE PAVEMENT SURFING DOUGLAS	

PROJECT	
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SUPERVISOR

CLIENT
ECONOMIAL STRATEGIES

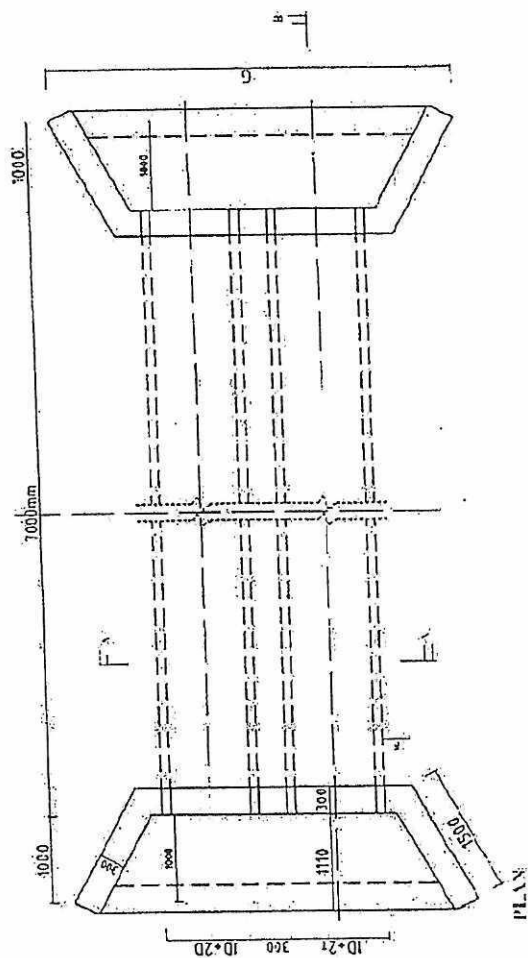
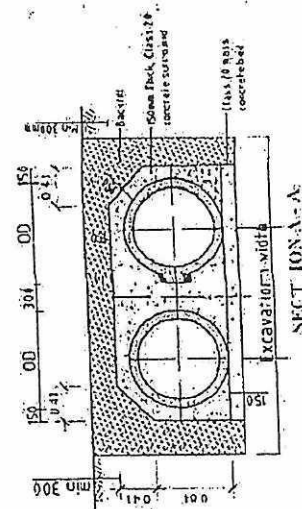
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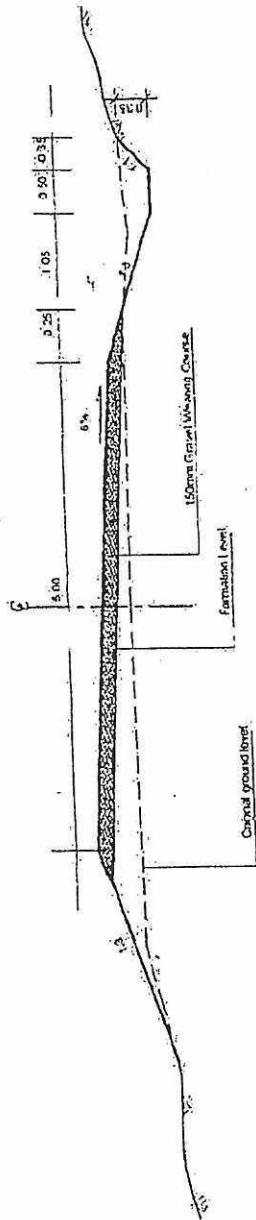
FRANCIS	
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Figure 1 is a line graph showing the percentage of total energy expenditure (TEE) for different activities over a 24-hour period. The Y-axis is 'Percentage of TEE' (0-100) and the X-axis is 'Time of Day' (0-24). The activities and their approximate percentages are:

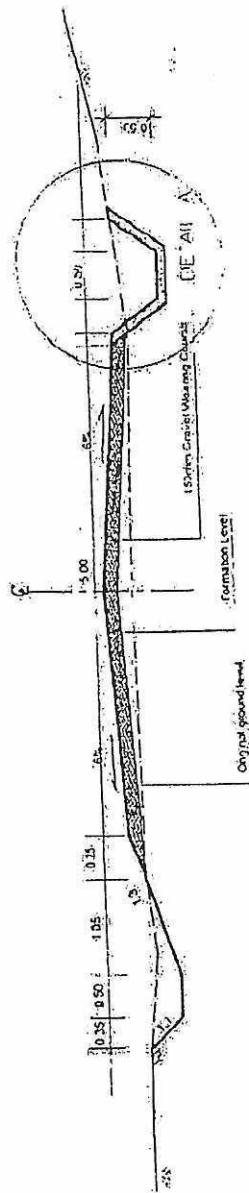
Time of Day	Sleeping	Resting	Sedentary	Light	Moderate	Vigorous
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12	100	0	0	0	0	0
16	100	0	0	0	0	0
20	100	0	0	0	0	0
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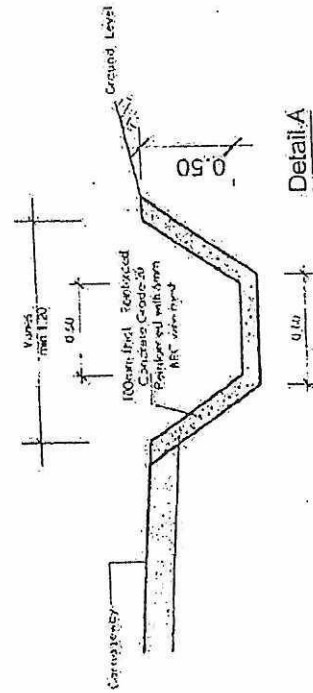
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Typical Cross Section Type V
(Superelevation Cross Section)



Typical Cross Section Type 6
(Lined Drains Cross Section)



Detail A

NO.	DATE	DRW. CHG.	REMARKS
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ROAD FUND BOARD



CLIENT
REGIONAL COORDINATOR
COST REGIONAL
ROAD FUND BOARD

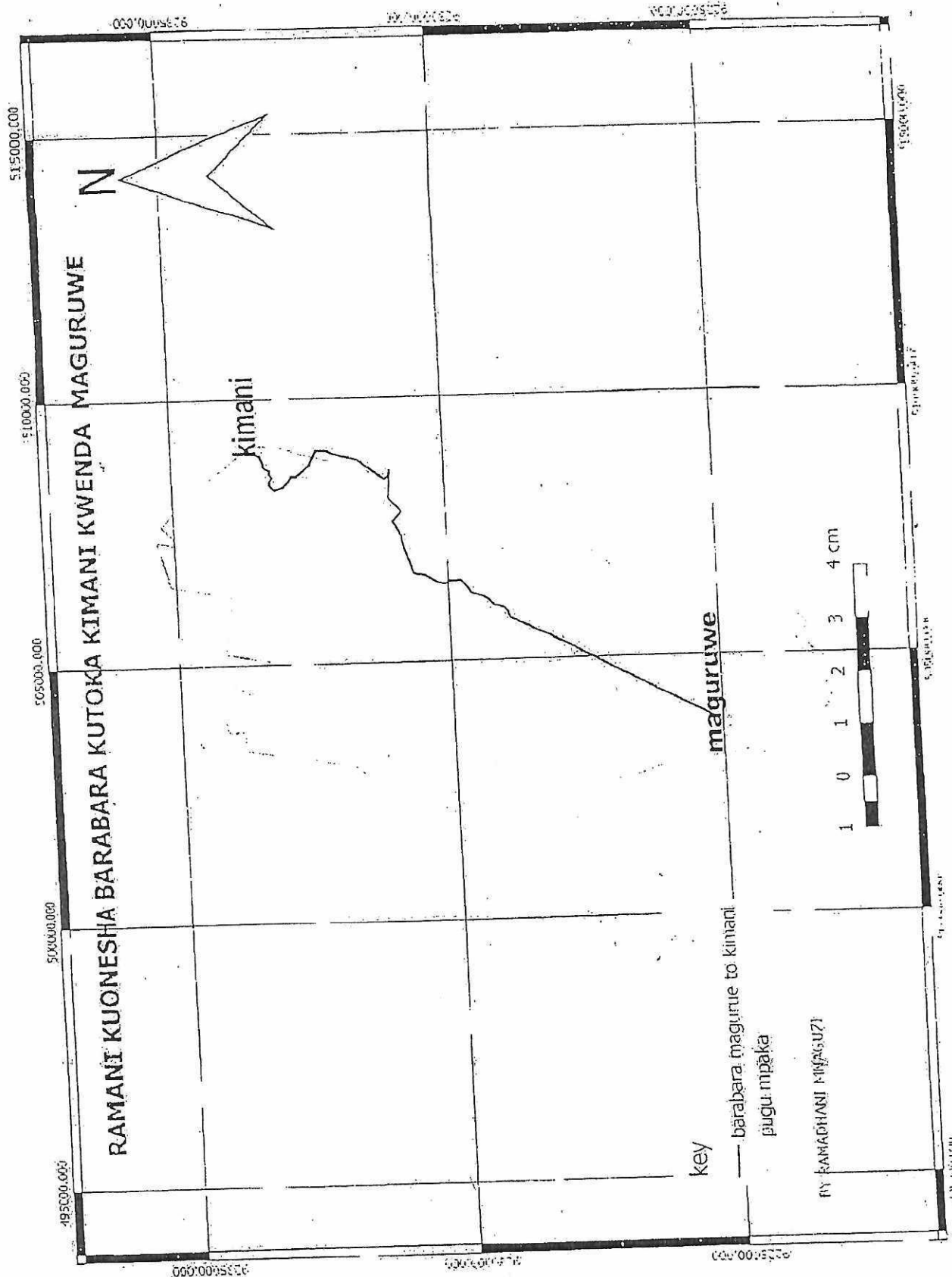
SUPERVISOR
CIVIL ENGINEER
REGIONAL
P. A. 2017/2018

PROJECT
REGIONAL ROAD BOARD
DISTRICT ROAD BOARD

DESIGNER
ROAD CROSS-SECTION
TYPE V AND VI

DWG. No.
SHEET No.
SHEET No.

DATE
DATE
DATE



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OTHER DOCUMENTS AS SPECIFIED IN SCC CLAUSE 3.

HyB

POWER OF ATTORNEY

A handwritten signature in blue ink, located in the bottom right corner of the page. The signature is stylized and appears to be a name followed by a surname.

STANDARD POWER OF ATTORNEY

TO ALL IT MAY CONCERN

THAT BY THIS POWER OF ATTORNEY given on the 27th day of December 2021.

WE the undersigned JAMTA CONSTRUCTION INVESTMENT (T) LTD of P.O Box 71262 Dar es Salaam, do hereby ordain nominate and DENIS ALBERT KATAGIRA OF P.O Box 71262 Dar es Salaam 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 NoAE-068/2021-2022/HQ/TCRP/W/04/02 for Rehabilitation of Access Road and nature trails in Pugu/Kazimzumbwi nature forest reserve, that is to say;

To act for the company and do any other thing or things incidental for
TENDER NO: AE-068/2021-2022/HQ/TCRP/W/04/02 FOR REHABILITATION
OF ACCESS ROAD AND NATURE TRAILS IN PUGU/ KAZIMZUMBWI
NATURE FOREST RESERVE.

AND the said attorney will negotiate on our behalf issues including confirmation of supplier's power of attorney, delivery schedule, modality of payment
(payment schedule, taxes etc, contract price and AOB if any and this power of attorney will be limited to the aforementioned meeting about this project.

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 JAMTA CONSTRUCTION INVESTMENT (T) LTD/ DONOR and delivered in the presence of us this 27th December, 2021.

IN WITNESS whereof we have signed this deed on this 27th December, 2021 At Dar es Salaam for and on behalf of JAMTA CONSTRUCTION INVESTMENT (T) LTD/DONOR

SEALED and DELIVERED by the
Common Seal of
This 28th day of December 2021

BEFORE ME:

COMMISSIONER FOR OATHS



[Signature]
DONOR



Acknowledgement

I **MR. DENIS ALBERT KATAGIRA** do hereby acknowledge and accept to be Attorney of the said **JAMTA CONSTRUCTION INVESTMENT (T) LTD / DONOR** under the terms and condition contained in this **POWER OF ATTORNEY** and I promise to perform and discharge my duties as my lawful appointed Attorney faithfully and honestly.

SEALED and DELIVERED by the said

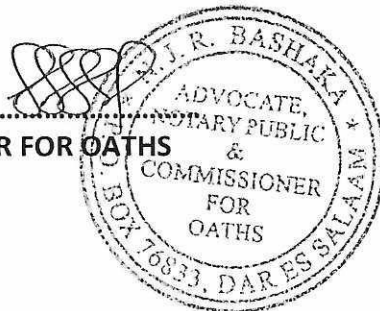
MR. DENIS ALBERT KATAGIRA Identified to me
JOHN M KATAGIRA

The letter known to me personally
This 28th day of December 2021

[Signature]
DONEE

BEFORE ME

COMMISSIONER FOR OATHS



INTEGRITY

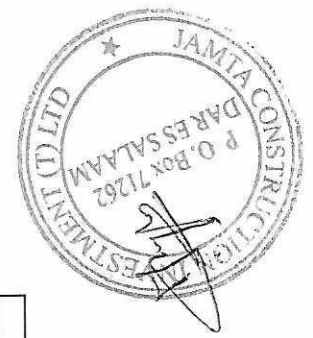


WORK PLAN OF WORKS



REHABILITATION OF ACCESS ROAD AND NATURE TRAINS IN PUGU/KAZIMZUMBWI NATURE FOREST RESERVE

		COMPLETION PERIOD IN WEEKS (3 MONTH)											
S/N	Activity Description	WEEKS											
		1	2	3	4	5	6	7	8	9	10	11	12
A	REHABILITATION OF BWAWANI - VIEW POINT ROAD (1.32km)												
	1 Mobilization												
	2 Site and Bush clearance												
	3 Road formation												
	4 Construction of steps												
B	REHABILITATION OF BWAWANI - KINYANYIKO												
	1 Mobilization												
	2 Site and Bush clearance												
	3 Road formation												
	4 Construction of steps												
C	REHABILITATION OF MPUGUPUGU-BWAWANI ROAD (0.61 km)												
	1 Mobilization												
	2 Site and Bush clearance												
	3 Road formation												
	4 Construction of steps												



S/N	Activity Description	WEEKS											
		1	2	3	4	5	6	7	8	9	10	11	12
D	REHABILITATION OF MPONGONI-VIEW POINT ROAD (1.85 km)												
1	Mobilization												
2	Site and Bush clearance												
3	Road formation												
4	Construction of steps												
E	REHABILITATION OF KIMANI KONA - MAGURUWE KIBAOIROAD (12km)												
1	Mobilization												
2	Site and Bush clearance												
3	Road formation												
4	Drainage Works												
5	Reinforced Concrete pipe Culverts												
F	REHABILITATION OF MINAKI - BWAWANI ROAD (1.1 km)												
1	Mobilization												
2	Site and Bush clearance												
3	Road formation												
4	Drainage Works												
	Demobilization from all sites												



TECHNICAL PERSONNEL

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

This company JAMTA CONSTRUCTION INVESTMENT (T) LTD

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.

DENIS ALBERT KATHARA

Name of the Authorized Person



Signature

27/12/2021

Date



PERSONNEL:

- i) **Qualification and experience of the Key Personnel proposed for Execution of the Contract**

(The CV of the Key Personnel is Attached)

S/No	Position	Name	Year of Experience (General Experience)	Year of Experience in Proposed position.
1	Site Engineer	Eng. Kundaali Y. Mfwangavo	30	25
2	Quantity Surveyor	Musa H. Msabaha	5	5
3	Site Technician	Mathayo Nyato Brasio	15	10
4	Land Surveyor	Yohana Shumbi Nakomolwa	20	15
5	Masonry Technician- Storage Tanks Construction	January Daniel	10	8



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CURRICULUM VITAE

Name: Kundaeli Yaredi Mfwangavo
Date of Birth: October 1955
Place of Birth: Ugweno Mwanga District
Nationality: Tanzanian
Marital Status : Married

EDUCATION QUALIFICATIONS

- 1) B.Sc (Hons) Eng. (UDSM) 1978-1982
- 2) PGD in Sanitary Engineering(IHE-DELFT) The Netherlands (1984-1985)
- 3) Management of Water Resources (Severn Trent Water Authority (UK)
- 4) Registered Engineer in Tanzania (1399).

PROFESSIONAL QUALIFICATIONS.

March 2016 ~ To date: Dynotech Engineering Limited -Morogoro

Responsible for:

- Supervision of Road and Bridge construction works
- Preparation of work programme
- Ensure timely delivery of construction equipment and Material
- Attendance of site meetings and liaising with Client and Consultant
- Ensure of quality of work and of construction materi.
- Overall site management of materials and labour

Jan 2000- February 2016 Vumwe General Services and Supplies Co Ltd Dar es salaam

Responsible for:

- Preparation of Tender documents for works carried out by company
- Preparation of Annual Technical Reports
- Overall overseer of Company Staff, Labour, Financial and Relation affairs

Projects carried out.

- a) Construction of Ulongoni A Box culvert and its approaches in Ukonga Ward Ilala Municipal Council Dar es salaam (Value of contract 209,146,000

Year executed 2008-2010

Responsible for

- Setting out of the works
- Supervision of excavation of culvert foundation and cut off walls.
- Supervision of placing of stone hardcore to culvert foundation
- Supervision of pouring of Blinding concrete to culvert foundation base - Supervision of cutting and fixing of foundation base and cut of wall reinforcement
- Supervision of placing of foundation base concrete
- Supervision of excavation works for wing walls
- Supervision of setting out works for wing walls and abutment walls
- Supervision of reinforcement works for wing walls and abutment walls
- Supervision of placing of formwork to wing walls and abutment walls
- Supervision of placing of concrete to wing walls and abutment walls
- Supervision of placing of formwork to top slab
- Supervision of placing of concrete to top slab s
- Supervision of grading and forming of culvert approach roads
- Supervision of placing and erection of road furniture
- Planning of efficient utilization of construction resources labour, Equipment, construction material finance and fuel
- Preparation of progress reports, work programmes, and claims.

b) Construction of Iyuhwa Irrigation Scheme in Mpwapwa District Council Dodoma Region (Value of Contract 339,000,0000, Year executed 2008)

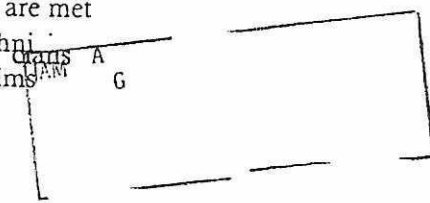
Responsible for:

- Supervision of setting out of Dam embankment, Spillway and Dam outlet structure
- Identification of borrow pit area and selection of suitable material for construction of dam embankment
- Scheduling of equipment utilization and their Maintenance
- Supervision of Testing of materials to ensure Specifications are met
- Interpretation of construction drawings for technicians and surveyors
- Preparation of progress reports, work programmes, and claims

c) Rehabilitation and spot improvement of Endanachan to Gidas road in Babati District Council

Responsible for:

- Supervision of setting out of road formation
- Identification of borrow pit area and selection of suitable material for construction of road embankment
- Scheduling of equipment utilization and their Maintenance
- Supervision of Testing of materials to ensure Specifications are met
- Interpretation of construction drawings for supervising Techni
- Preparation of progress reports, work programmes, and claims
- Supervision of setting out of Culvert locations
- Supervision for construction of Culverts
- Supervision for excavation of catch drains side channels and mitre drains



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- d) Construction of Vertical extension of one floor and Construction of toilet block wing at
Zawadi Secondary School in Tabata ward Ilala Municipal Council

Responsible for

- Supervision of setting out of Toilet wing Block and Staff House buildings
- Supervision of excavation of foundation works for toilet wing block.
- Ensure timely supply of construction materials
- Supervision of construction works (Concreting of beam, columns and stair case)
- Preparation of Daily works record sheets
- Preparation and updating of work programmes.
- Attendance to site meetings
- Planning for proper utilization of resources (Labour, Equipment, Plant and Finances)
- Liaising with Client for proper implantation of the project

- e) Construction of Mombo Irrigation Scheme in Mombo Korogwe District Tanga Region

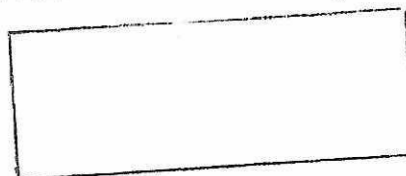
Responsible for

- Setting out of the works
- Supervision of excavation of culvert foundation and cut off walls
- Supervision of placing of stone hardcore to culvert foundation
- Supervision of pouring of Blinding concrete to culvert foundation base
- Supervision of cutting and fixing of foundation base and cut of wall reinforcement
- Supervision of placing of foundation base concrete
- Supervision of excavation works for wing walls
- Supervision of setting out works for wing walls and abutment walls
- Supervision of reinforcement works for wing walls and abutment walls
- Supervision of placing of formwork to wing walls and abutment walls
- Supervision of placing of concrete to wing walls and abutment walls
- Supervision of placing of formwork to top slab
- Supervision of placing of concrete to top slabs
- Supervision of grading and forming of culvert approach roads
- Supervision of placing and erection of road furniture
- Planning of efficient utilization of construction resources labour, Equipment, construction material finance and fuel
- Preparation of progress reports, work programmes, and claims.

- f) Construction of Gravity water supply scheme at Endagile Village in Babati District Council
Manyara Region

Responsible for

- Survey for pipe line route location
- Supervision of excavation works
- Ordering and timely supply of pipes and other construction materials
- Supervision of pipe laying works
- Supervision of setting out and construction of 100m³ water storage Tanks



- Supervision of setting out and construction of Domestic water points and Valve Chambers
- Preparation of Daily works record sheets
- Preparation and updating of work programmes
- Attendance to site meetings
- Planning for proper utilization of resources (Labour, Equipment, Plant and Finances)
- Liaising with Client and Project Consultants

g) Construction of Gravity water supply scheme at Riroda Village in Babati District Council Manyara Region

Responsible for

- Survey for pipe line route location
- Supervision of excavation works
- Ordering and timely supply of pipes and other construction materials
- Supervision of pipe laying works
- Supervision of setting out and construction of 100m³ water storage Tanks
- Supervision of setting out and construction of Domestic water points and Valve Chambers
- Preparation of Daily works record sheets
- Preparation and updating of work programmes
- Attendance to site meetings
- Planning for proper utilization of resources (Labour, Equipment, Plant and Finances)
- Liaising with Client and Project Consultants

h) Provision and Construction of School Building Facilities at Dohom Secondary School in Babati District Council Manyara Region

Responsible for

- Supervision of setting out of Laboratory and Staff House buildings
- Supervision of excavation of foundation works.
- Ensure timely supply of construction materials
- Supervision of construction works
- Preparation of Daily works record sheets
- Preparation and updating of work programmes
- Attendance to site meetings
- Planning for proper utilization of resources (Labour, Equipment, Plant and Finances)
- Liaising with Client for proper implantation of the project

i) Construction of water supply scheme Pumping from borehole at Himiti Village in Babati Town Council Manyara Region

Responsible for

- Survey for pipe line route location



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- Supervision of excavation works
- Ordering and timely supply of pipes and other construction materials
- Supervision of pipe laying works
- Supervision of setting out and construction of 100m³ water storage Tanks
- Supervision of setting out and construction of Domestic water points and Valve Chambers
- Preparation of Daily works record sheets
- Preparation and updating of work programmes
- Attendance to site meetings
- Planning for proper utilization of resources (Labour, Equipment, Plant and Finances)
- Liaising with Client and Project Consultants
- Supervision of setting out of Pump house building
- Supervision of construction of pump house
- Ordering and supply of pumps control panels and accessories
- Supervision of installation of pumps and pump testing

j) Provision and Construction of School Building Facilities at Endakiso Secondary School in Babati District Council Manyara Region

Responsible for

- Supervision of setting out of Laboratory and Staff House buildings
- Supervision of excavation of foundation works.
- Ensure timely supply of construction materials
- Supervision of construction works (masonry, plastering, painting etc)
- Supervision of construction works
- Preparation of Daily works record sheets
- Preparation and updating of work programmes
- Attendance to site meetings
- Planning for proper utilization of resources (Labour, Equipment, Plant and Finances)
- Liaising with Client for proper implantation of the project

k) Provision and Construction of School Building Facilities at Mbondo Secondary School in Nachingwea District Council Lindi Region

Responsible for

- Supervision of setting out of Laboratory and Staff House buildings
- Supervision of excavation of foundation works.
- Ensure timely supply of construction materials
- Supervision of construction works (masonry, plastering, painting etc)
- Supervision of construction works
- Preparation of Daily works record sheets
- Preparation and updating of work programmes
- Attendance to site meetings
- Planning for proper utilization of resources (Labour, Equipment, Plant and Finances)
- Liaising with Client for proper implantation of the project



- Supervision of setting out of Water tanks positions

o) Construction of Godown at Marufa village in Babati District Council

Responsible for

- Supervision of setting out of Godown and office buildings
- Supervision of excavation of foundation works.
- Ensure timely supply of construction materials (sand, aggregates, blocks, cement water, Reinforcement steel, pipes for fabrication of trusses, Roofing material)
- Supervision of construction works (masonry, concreting, steel fixing plastering, painting etc)
- Preparation of Daily works record sheets
- Preparation and updating of work programmes
- Attendance to site meetings
- Planning for proper utilization of resources (Labour, Equipment, Plant and Finances)
- Liaising with Client for proper implantation of the project

p) Construction of Two storey building for M/s Charles Nyirabu

Responsible for

- Supervision of setting out of Building
- Supervision of excavation of foundation works.
- Ensure timely supply of construction materials (sand, aggregates, blocks, cement water, Reinforcement steel and Roofing material)
- Supervision of construction works (masonry, concreting, steel fixing formwork, concreting plastering, painting site works etc)
- Preparation of Daily works record sheets
- Preparation and updating of work programmes
- Attendance to site meetings
- Planning for proper utilization of resources (Labour, Equipment, Plant construction material and Finances)
- Liaising with Client for proper implmentation of the project

Feb 1992 to Dec 1999 Technical Director Vumwe General Services and Supplies Co Ltd

Responsible for:

- Planning for the proper execution of Building and Civil Engineering Projects carried out by the Company
- Technical advisor to the Company Board of Directors
- Preparation of Bill of Quantities for projects in progress
- Planning for maintenance of Company equipment and plants including their proper utilization



- Project designs
- Attending of site meetings
- Sourcing for projects
- Preparation of Claims
- Planning for the proper utilization of labour force, material and company financial resources

Projects carried out.

March 1989 to Feb 1992 Head of Dar es salaam Sewerage and Sanitation Department

Responsible for

- Planning of sewerage maintenance schemes for sewers pumping stations and waste stabilization ponds for dare s salaam city
- Supervision of construction works undertaken by the Department
- Preparation of proddress reports
- Preparation of financial and information management systems and their application
- Design and construction of sewers ponds pumping station building for Dar es salaam City

Sept 1988 to Feb 1989 Attended Attachment training with Serve Water Authority in the U.K.

October 1985- Sept 1988 Counterpart Sewerage and Drainage Engineer with Dar es salaam Sewerage and Sanitation Department

Responsible for

- Supervision of Maintenance of Sewerage and Drainage systems for Dar es Salaam City
- Formulation of Sewerage maintenance systems and policy
- Survey Planning design and supervision of construction projects
- Preparation of annual Budgets
- Coordination of daily maintenance work
- Checking and approval of planning applications

October 1984 to October 1985 Attended Post Graduate Diploma Course in Sanitary Engineering at the International Institute for Hydraulics and Environmental Engineering (IHE) DELFT the Netherlands.

Jan 1983 to Aug 1984 Head of Sewerage and Drainage System Section DSM City Council

Responsible for



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- Planning, Designing and construction of drainage system in the Dar es salaam city
- Supervision of drainage construction works.
- Planning, designing and construction of house sewer connection works
- Preparation of annual Budgets for Drainage Division
- Attending of Engineering Department Management meetings
- Preparation of Monthly reports for the Drainage Division

March 1982 to Dec 1982 Appointed to the Dar es Salaam City Council as Assistant Executive Engineer

- Seconded to Howard Humphreys(T) for practical training in Design works

NAME: L. Y. MFWANGA SIGNATURE: [Signature] DATE: 14th OCT. 2021

[Signature]

ENGINEERS' REGISTRATION BOARD TANZANIA



Certificate of Registration

(Under the Engineers' Registration Act 1997)

It is hereby certified that

Kuradadi Mwarigavo
having satisfied the requirements for registration as a

PROFESSIONAL ENGINEER

under the provisions of the Engineers' Registration Act 1997 was
Registered as such on the 25th day of July 2008

in the discipline of *Civil* engineering

and was given registration number *100*

Sealed and given under our hands at Dar-es-Salaam
this 23rd day of September 1999

Registrar

Board Member

Chairman

Stamp: P.O. Box 1462, DAR-ES-SALAAM, TANZANIA

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UNIVERSITY OF DAR ES SALAAM



THIS IS TO CERTIFY THAT

Kundael Yaredi Mwangavo

having satisfied the requirements for the
award of the

DEGREE OF
BACHELOR OF SCIENCE
IN
ENGINEERING

WITH HONOURS Second Class-Lower Division
was admitted to the degree at a Congregation
held in DAR ES SALAAM, on the
twenty-eighth day of August
in the year, nineteen hundred and eighty-two

JAMTA CONST. INVEST (T) LTD

P. O. Box 71262
DAR-ES-SALAAM
TANZANIA

Mr. Mwangi
Mr. Chancellor

W. M. M.
Chief Academic Officer

W. M. M.
Jay

PERSONAL DETAILS

Curriculum Vitae

Name Mr. Yohana Shumbi Nakomolwa
Address P O Box 377 Moshi Tanzania
Tel: +255 784 651952
Fax: +255 27 2752815
Date of Birth 21st July 1960
Nationality Tanzanian
Education 1986
Advance Diploma in Land Surveying
Present Position Land Surveyor ~ Rocktronic Ltd, P O Box 377 Moshi

PROFESSIONAL EXPERIENCE

Date

Project, Consultant and Contractor

March 2021- June 2021 Urgent Maintenance works on various sections Between Singida and Malendi Road section along Kintinku (DOD/SGD/ SGD BRD.) ~ Singida - Malendi (SGD/TBR BRD.) paved trunk road
Tanroads ~ Singida

Nov. 2020 - May 2021 Periodic Maintenance and Routine /Recurrent works along Kia Jct Namanga, Usa ~ Oldonyosambu and Kijenge - Usa river (Paved) roads (Bituminous works)
Tanroads - Arusha

Oct. 2020 - Feb. 2021 Periodic Maintenance and Routine/Recurrent works along Mbauda - Losinyai (P) Road
Tanroads - Arusha

2020 Periodic Maintenance works along SGD/TBR Border ~ Uchama unpaved Trunk Road (Pasua - Uchama Section)
Tanroads Tabora

2019 Upgrading of Urban Roads in Moshi Municipality to Bitumen Standard Package 5 (1.15Km) ~ Rau Shop to KCMC Road and Manyema Road
Moshi Municipal Council

2018 Upgrading to Double Surface Dressing (DSD) of Kawawa - Pakula - Nduoni Marangu Mtoni Road
Tanroads - Kilimanjaro

Upgrading of Babati Town Roads (8.72km) to Bitumen Standard
Babati Town Council

Upgrading of Urban Roads In Moshi to Bitumen Standard Package 4 (5.04) Asphalt Overlay, Base (CRS), Subbase (G45), and Fill (G15), walkways, precast drain slabs and box culverts
Moshi Municipal Council

2016 Periodic Maintenance on Same - Himo Jct Road
Tanroads ~ Kilimanjaro

Upgrading of Babati Town Roads (Sokoline and Gorowa) 0.8km to Bitumen Standard
Babati Town Council - Manyara

PROFESSIONAL EXPERIENCE

Date

Project, Consultant and Contractor

2015

Kilala -- Nkoaranga and Usariver -- Oldonyosambu (paved) Roads
Tanroads -- Arusha

2014

Rehabilitation of Ole-Konde Road -- (12.3km) Pemba
Ministry of Infrastructure and Communication - Zanzibar

2014

Upgrading of Moshi Municipal Roads to Bitumen Standard (Sukari road) under
ULGSP
Asphalt, Base (CRR), Subbase (C1), Culverts, Stone pitching

2013

AAW Consulting Engineer in Association with Metro Consult
Moshi Municipal Council

Construction of Water Supply Schemes in Arusha Municipal Council (Lot 1 -- Sinoni,
Sokon, Mkonoo & Nadosoito Villages)
Howard Humphreys (T) Ltd

Construction of East African Community Headquarters in Arusha, Tanzania --
Bitumen Paving to Car Park
East African Community

2012

Upgrading of Sokomjinga -- Sombetin Road Contract No. 32 (Phase 1)
Arusha City Council

Periodic Maintenance Works along Central Tarmac Roads
Arusha Municipal Council

Periodic Maintenance and Routine/Recurrent maintenance works along TCA JCT --
Minjingu, Mbauda -- Losinyai, Monduli Jct. -- Monduli and Tca. -- Jct. Namanga
Roads
Tanroads -- Arusha

Periodic and Routine/Recurrent Maintenance works along Kia Jct. -- Tca Jct.,
Usariver -- Oldonyosambu (Paved) and Kilala -- Nkoaranga Roads
Tanroads -- Arusha

Periodic Maintenance on Himo Jct. -- Kia Jct. -- Kia Road
Tanroads - Kilimanjaro

Periodic Maintenance on Himo Jct. -- KIA Jct. Road
Tanroads - Kilimanjaro

2011

Periodic Maintenance on Same -- Himo Jct. and Himo -- Marangu Roads
Tanroads -- Kilimanjaro

Periodic Maintenance along Sokoine Road
Arusha Municipal Council

Periodic Maintenance along Usa Rover -- Oldonyosambu and Monduli -- Engaruka
(Paved) Roads,
Tanroads - Arusha

Backlog Maintenance on Kikweni -- Lomwe,
Tanroads - Kilimanjaro

Date

2008

PROFESSIONAL EXPERIENCE
Project, Consultant and Contractor

Periodical Maintenance on Himo Jct – Kia Jct in Moshi District, Kilimanjaro Region,
Tanroads – Kilimanjaro

Emergency Repairs on Himo Jct Road in Hai District, Kilimanjaro Region,
Tanroads – Kilimanjaro

Urgent Improvement (Emergency) Works along Meru District Hospital Entrance
Road, *Tanroads – Arusha*

Rehabilitation of Arusha – Umbwe – Kibosho – Kirima Road *Tanroads – Kilimanjaro*

Maintenance of Uru and AbuMalya Road 2nd Phase Moshi Municipal Council,
Moshi Municipality

Periodical and Routine/Recurrent Maintenance works along KIA- Jct-TCA Road,
Tanroads – Arusha

Design and build boundary wall at the School of St. Jude
The Director, School of St. Jude

Design and build estate roads and drainage at Burka Estate in Arusha
The Director, Naazneen Investments Ltd

Emergency Repairs along Same Kwa Mgonja – Makanya Road and Bangalala –
Ndolwa Roads
Tanroads - Kilimanjaro

Periodic Maintenance of Uru Road and Spot Improvement of Boma Road
Moshi Municipal Council - Kilimanjaro

Construction of Boys' Hostel Block A
School of St. Jude, Arusha

Construction of Boys' Hostel Block B
School of St. Jude, Arusha

Construction of Dining/Assembly Hall
School of St. Jude, Arusha

Periodic Maintenance of KMT – Machame Road
Tanroads – Kilimanjaro

2007

PROFESSIONAL EXPERIENCE

Date

Project, Consultant and Contractor

2011

Periodic Maintenance along Kia Jct. - Tca Jct, Kijenge - Usariver & Kilala - Nkoaranga Roads and Routine/Recurrent Maintenance along Kia Jct. - Tca Jct Road,
Tanroads - Arusha

2010

Periodic Maintenance along Kia Jct. - Tca Jct, Kijenge - Usariver & Kilala - Nkoaranga Roads and Routine/Recurrent Maintenance along Kia Jct. - Tca Jct Road,
Tanroads - Arusha

Periodic and Routine/Recurrent Maintenance along Tca. Jct - Minjingu and Mbauda - Losinyai Roads,
Tanroads - Arusha

Periodic Maintenance on Himo - Kia Road [Km. 0+000 - Km. 35+462],
Tanroads - Kilimanjaro

Periodic Maintenance on KMT - Machame Roads,
Tanroads - Kilimanjaro

Rehabilitation of Ken Garden Road, Davos Road, Kiteto Road, Kati makutano Road, Fabec Road, Uptown and Depot Road Arusha Municipal Council,
Arusha Municipal Council

Upgrading of Himo Weighbridge Yard, Kilimanjaro Region,
Tanroads - Kilimanjaro

Upgrading to Paved Standard Same - Kisiwani - Mkomazi Road
Tanroads - Kilimanjaro

2009

Upgrading of Monduli Town Roads 4.2Kms in Monduli District (Phase 1 Monduli Lashaine Road 2.1Km)
Tanroads - Arusha

Periodic Maintenance along Kia Jct. - TCA Jct., Kilala - Nkoaranga, Kijenge - Usariver Paved Roads and Routine/Recurrent Maintenance along Kia Jct. - TCA Jct. Road
Tanroads - Arusha

Upgrading and Periodic Maintenance along Monduli Jct - Engaruka Jct.
Tanroads - Arusha

Upgrading of Kibosho Shine - Kwa Raphael - International School Road
Tanroads - Kilimanjaro

Periodic Maintenance of Khambalta, market and Abumalya Roads (Third Phase) Moshi Municipal Council,
Moshi Municipality

2008

Periodic and Routine/Recurrent Maintenance along TCA Jct - Minjingu Road
Tanroads - Arusha

Periodical Maintenance on Himo Jct - Kia Jct in Moshi District, Kilimanjaro Region,
Tanroads - Kilimanjaro

ARDHI INSTITUTE



AD No. 0167

This is to certify that

YOHANA NAKOMOLWA SHUMBI

having completed the three—year course
and satisfied the requirements for the award of the

**Advanced Diploma in Land
Surveying**

SECOND CLASS LOWER

was admitted to the diploma at the Congregation
held in Dar es Salaam
on the FIFTEENTH day
of NOVEMBER
in the year 1986

CHAIRMAN OF THE GOVERNING
COUNCIL

PRINCIPAL

AD No. 0167

1. Verify the
True copy of the original
Document
2. Date: 16.06.09
3. M. Kipka
4. Public Officer

15/06/2020

THE NATIONAL COUNCIL OF PROFESSIONAL SURVEYORS
TANZANIA



CERTIFICATE

No. 317

This certificate is issued under the provisions of the
Professional Surveyors (Registration) Act, 1977
and certifies that YOHANA NAKOMOLWA SHUMBI
(a Land Surveyor)

is registered by the National Council of Professional
Surveyors as a Fully/Provisionally/Temporarily
Registered Surveyor.

Authority for this registration was granted on Seventh
day of August (month) in the
year 2003





Chairman

LS

I Certify this to be
True copy of the original
Document of No. 16.6.09 Ralre
M. Ralre, J. - in case
Public Notary & Commissioner of Oaths


Secretary

CERTIFICATE OF THE
NATIONAL COUNCIL OF PROFESSIONAL SURVEYORS
TANZANIA
15/06/2020

CURRICULUM VITAE OF

Musa Haruna Msabaha

Quantity Surveyor

Personal Particulars

Full name: Musa Haruna Msabaha
Sex: Male
Date of birth: February 11, 1989
Place of birth: Tabora Municipal
Nationality: Tanzanian
Marital status: Married
Language: Swahili and English



Personal Contact

Postal Address: P.O.BOX 63131
Dar es Salaam
Mobile: +255 767 013 321
+255 712 013 321
E-mail Address: mussah89@gmail.com

Key Qualification

Mr. Musa Haruna Msabaha graduated in B.Sc. Building Economics at Ardhi University, Dar es Salaam Tanzania June 2013. He has been working in both construction and consultancy firms in building and civil works.

The quantity surveyor has enough experience and competent on Tendering procedures, Principles of management, Preparation of estimates and quotations, Cost and Quality control during project construction, Preparation of progress reports, Measurements and valuation, Preparation of Payment certificates, Taking off and Preparation of Bills of Quantities (building and civil works), Building up rates, Preparation of schedule of materials, Preparation of variations, Dispute resolution and Entrepreneurship.



Working Experience

May 2021 – To date

Jamta Construction Investment (T) Limited JV Del-Benman (T) Limited
Construction of Warehouses and Outdoor Supporting Facilities at Kasulu and Kibondo
District, Kigoma Region

The project comprises of; Construction of Single storey reinforced concrete framed warehouse, Office block, Toilet block, Guard House, Drying slab, Waste disposal, Underground, ground & elevated tank support and External work.

Position: Quantity Surveyor

Duties: All quantity surveying duties

March 2015 – February 2021

M.A Kharafi & Sons Limited

Same – Mwanga – Korogwe Water Supply Project

The Project comprises mainly but not limited to:

- Construction of Raw Water Intake
- Construction of Raw Water Pumping Station
- Construction of Transmission Pipeline DN1000 from Raw Water Pumping Station up to Water Treatment Plant
- Construction of three trains of the Water Treatment Plant
- Construction of the Treated Water Pumping Station (PS 1) located inside the Water Treatment Plant and installation of the phase 1 pumping units
- Power Supply
- Construction of Transmission Pipeline DN900 from PS 1 up to Kisangara Storage Tanks
- Construction of one of the Kisangara Storage Tanks

Position: Quantity surveyor

Duties:

- Preparation of Progress report (Daily, Weekly and Monthly Reports)
- Re-measurements of site work
- Taking off quantities for different structures
- Evaluation of measured works
- Preparation of Application for Interim Payment Certificates (AIPC)
- Preparation of payment certificates for Subcontractors
- Preparation of schedule of material
- Keeping material records on site for both received and issued
- Preparation of Cash flow compatible to sectional work programmes

- Preparation of Tender Documents
- Preparation of Output claim data
- Cost comparison between Subcontractors and Main Contractors
- Collecting / recording event details from site to establish variations / contra charges

August 2013 – March 2015

Aquifer Construction Limited - Dar es Salaam

Position: Quantity surveyor

Projects Undertaken:

- Construction of communication tower at Matumburu – Dodoma
- Construction of communication tower at Kaloleni - Manyoni – Singida
- Renovation works for GAPCO filling station at Nyerere Road Dar es Salaam

Duties:

The assignment included Planning and supervision of site works, Site administrative issues as per directives from Managing Director, Documenting and reporting all site activities done to Managing Director, Conducting toolbox talk on safety, health and environment, Preparation of schedule of materials, Preparation of site requisition, Purchasing issues, Taking off activities,

Other Duties:

Taking off, Preparation of BOQ, Tendering issue, build up rates and Pricing.

July 07, 2012 – August 31, 2012

Industrial Training at Bish Tanzania Limited

Position: Assistant Quantity Surveyor

Duties:

Taking off quantities, Preparation of Bills of Quantities (BOQ), Build up rates, Valuation of construction projects, Preparation of certificates and Tendering procedure.

July, 2011- September, 2011

Industrial Training at Tabora Municipal Council

Position: Trainee

Duties:

Construction activities, Site works re-measurement, taking off and Preparation of Bills of Quantities (BOQ)

July, 2010 – September, 2010

Industrial Training at Tanzania Building Agency (TBA) - Tabora

Position: Trainee

Duties; Construction activities

Experience on project and dissertation works

Fourth year (2012/2013)

Semester VIII: Dissertation on Assessment of Human Factors as a Potential Cause of Accidents in Construction Sites in Dar es Salaam

Semester VII: Preparation of certificates

Third year (2011/2012)

Semester VI: Proposed construction of office block for department of Agricultural Economics and Agribusiness at Sokoine University of Agriculture (SUA) main campus in Morogoro

Work done: - Estimation and tendering procedures

Semester V: Designing for proposed show room (framed structure) to be built at Sinza Mori Dar es Salaam

Work done: - Designing, Taking off all elements and Preparation of bills of quantities (BOQ)

Second year (2010/2011)

Semester IV: Taking off different elements for designing proposed classroom block such as substructure, walling, doors, windows, roofing, finishing, painting and decoration

Semester III: Designing for proposed classroom block to be built at Mbagala Zahkem, Temeke municipal Dar es Salaam

First year (2009/2010)

Semester II: Designing for a simple residential house to be built at Kimara Bonyokwa Dar es Salaam

Others

Teaching volunteer (March 2009 – October 2009)

Place: Kanyenye Secondary School - Tabora

Education Background

Year	Award/certificate	Institution/School
2009 – 2013	Bachelor of Science in Building Economics	Ardhi University Tanzania (ARU) Dar es Salaam
2007 – 2009	Advance Certificate of Secondary Education Examination (A-level)	Moshi Technical High School Kilimanjaro, Tanzania
2003 - 2006	Certificate of Secondary Education Examination (O-level)	Kazima Secondary School Tabora, Tanzania
1996 - 2002	Primary Education Certificate	Isike Primary School Tabora, Tanzania

Training and seminars

Title 3: "Seminar on Project and Site Management in the Construction Industry"

Date: November 2014, Dar es Salaam, Tanzania

- Topics:
- Overview on site management
 - Work preparation and planning
 - Project reporting and documentation
 - Project control mechanism
 - Site inspection
 - Cost control
 - Risk management

Title 2: "Special Training for Local Contractors Participating in the Construction of Houses Under the Servants Housing Scheme (PSHS)"

Date: November 2014 in Dar es Salaam, Tanzania

- Topics:
- Introduction to affordable Housing Concepts
 - Bidding strategy & risk management
 - Construction cost estimation
 - Information & data requirements
 - Plenary discussion on "Challenges faced by project team in management of affordable housing projects"

Title 1: "Seminar on Opportunities Afforded to Local Contractors and Consultants Through the New Public Procurement Law 2011 and Its Regulations 2013"

Date: June 2014 in Dar es Salaam, Tanzania

- Topics:
- Strategic importance of public procurement to the construction industry.
 - Overview of public procurement Act 2011 and its potential impact to Tanzania construction industry
 - Handling of complaints under the public procurement Act 2011 and its regulations
 - Overview of public procurement regulations, GN. No. 446 of 2013 and its potential impact on the construction industry
 - Overview of PPRA standard tender documents –towards improved responsiveness to tenders
 - General discussions

Personal skills (computer skills)

- Microsoft office (word, excel, and power point)
- Microsoft office project
- Internet and E-mail
- Application of AutoCAD
- Application of ArchCAD
- RIPAC - Billing program

Personal abilities and description

- Hard working
- Facilitation and training ability
- Negotiation and life skills

Hobbies and Interests

Listening to music, Travelling, football, Reading books and magazines and also watching movies.

Referees

1. DR. ELIUFOO H.K

Senior Lecturer

Ardhi University

P.O Box 35176

Dar es Salaam

Tel. +255 768 053 341

2. MILTON J. NYERERE

Managing Director

Aquifer Construction Limited

P.O Box 32400

Dar es Salaam

Tel. +255 713 441 588

3. MOKEHA, MNG'ANG'A

Quantity Surveyor

P.O Box 19716

Dar es Salaam

Tel. +255 716 575 991

Email: -askmokeha@gmail.com

Declaration

I, Musa Haruna, hereby declare that to the best of my knowledge, the information given above is true and correct.



ARDHI UNIVERSITY



This is to certify

that

Musa Haruna

having satisfied the requirements for the award of the

**BACHELOR OF SCIENCE
IN BUILDING ECONOMICS**

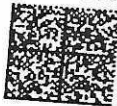
Lower Second

was admitted to the degree at a congregation
held in DAR ES SALAAM, on the

Thirtieth day of November

in the year Two Thousand and Thirteen

John B. Mshana
Vice Chancellor



George
Deputy Vice Chancellor
(Academic Affairs)

BSBE 000392

3 & 0 11/08/01 10/12

Certified true copy of the Original
Sign: *SL* Date: *24/6/2013*
SEBASTIAN MUGANYIZI RWIGERELA
Advocate, Notary Public & Commissioner
for Oaths



ASSOCIATION OF CITIZEN CONTRACTORS TANZANIA

Certificate of Participation

This is to Certify that Dr/Eng/Qs/Arch/Mr/Mrs

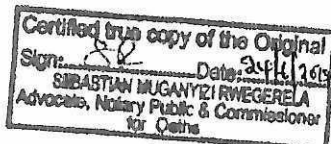
MUSA HARUNA

Has successfully participated in the seminar on
PROJECT and SITE MANAGEMENT
in the **CONSTRUCTION INDUSTRY**

Organized by : Association of Citizen Contractors Tanzania
Delivered by Johan Bol Msc CE
Dar es Salaam, November 2014

For ACCT:

Chairman



For PUM:

Senior Expert

PUM
Netherlands
senior experts



ASSOCIATION OF CITIZEN CONTRACTORS TANZANIA

Certificate of Participation

This is to Certify that Dr/Eng/Qs/Arch/Mr/Mrs


Musa Haruna of

AQUIFER CONSTRUCTION LTD has participated in the Seminar on

"OPPORTUNITIES AFFORDED TO LOCAL CONTRACTORS AND CONSULTANTS
THROUGH THE NEW PUBLIC PROCUREMENT LAW 2011 AND ITS REGULATIONS
2013"

Held at Kunduchi Beach Resort on 11th and 12th June 2014
In Dar es Salaam


Angela Joseph
Executive Secretary
Acct

Certified true copy of the Original
Sign:  Date: 24/6/2014
SEBASTIAN MUGANYIZI RWEGERELA
Advocate, Notary Public & Commissioner
for Oaths


Eng. Milton Nyerere
Chairman
Acct



CURRICULIM VITAE (CV).

1. Surname: Brasio
2. Other names: MathayoNyato
3. Date of birth: 1974
4. Sex: Male
5. Nationality: Tanzanian

6. Contact Address:

P.O. Box 96,
Njombe – Tanzania.
Mobile: +255 715 841 595/ 767 841 595
Email: branyato@gmail.com

7. Educational Background:

YEAR	NAME OF INSTITUTE	AWARD
2010	Dar es Salaam Institute of Technology	Computer Aided Design and Draughting (AutoCAD)
1995 - 1998	Technical College Arusha (T.C.A)	Full Technician Certificate Course (F.T.C)
1990-1993	Mtwango Secondary School	Certificate of secondary Education (CSEE)
1882-1989	Kidegembye Primary school	Certificate of Primary Education

8. Employment Records:

From: May 2014 To: Date

Employer : Transgeotek Engineering Co. Ltd.
Position: Land Surveyor and Site Foreman

From: Oct 2008 To: Jan 2014

Employer : Allen Ltd.
Position: Land Surveyor and Site Foreman

Name of Project:	Routine/ Recurrent Maintenance and Bridge Preventive Measures on Tunduma – Mkutano Road in Mbeya Region
Project Description:	Shoulder repair and widening, patching of potholes, resealing works, drainage works and road markings.
Date:	December, 2016 – July, 2017
Location:	Mbeya Region
Client:	Regional Manager – TANROADS Mbeya
Employer:	Alomsha& Transgeotek Engineering Co. Ltd (JV)
Position held:	Site/Civil Technician
Activities performed:	Supervision of works and surveying

Name of Project:	Renovation of HIV Care & Treatment Facilities at Morogoro Regional Hospital, Sabasaba Health Center in Morogoro Region and Chipogolo Health Center in Dodoma Region for TUNAJALI II Program
Project Description:	Renovation/ Extension of CTC building and Laboratories
Date:	August 2016 – January 2017
Location:	Morogoro and Dodoma Regions
Client:	Chief of Party: TUNAJALI II Program
Employer:	Transgeotek Engineering Co. Ltd
Position held:	Site/Civil Technician
Activities performed:	To undertake supervision of the renovation works

Name of Project:	Construction of 2Nos Structures; 1st being construction of 150m long Gabions/Stone wall at Ndarvai Canal diversion from Pangani River; 2nd being Construction of 8m long by 4m wide water distribution structure located at the downstream of the canal intake.
Date:	December 2014 - March 2015
Location:	Kilimanjaro Region
Client:	ELCT Pare Diocese
Employer:	Transgeotek Engineering Co. Ltd
Position held:	Site/Civil Technician
Activities performed:	Setting out and supervision of installation of gabion retaining wall and construction of distribution structures.

Name of Project:	Construction of Ilamba Domestic water Supply – Kilolo District.
Date:	November 2013 –February 2014
Location:	Iringa Region
Client:	Kilolo District Council
Employer:	Mwakalu Co.
Position held:	Site/Civil Technician
Activities performed:	<ul style="list-style-type: none"> • Intake site setting clearing, excavation weir and other structure setting out and construction. • Main pipe route survey, excavation and pipe laying. • Tank relocation survey, leveling, setting with inlet: outlet and washout chambers construction. • Distribution pipe route survey excavation, pipe laying, fitting, and backfill. • Break pressure tank surveying, setting out and construction • Domestic points construction

9. Work undertaken that best illustrates my capability to handle the task assigned:

Name of Project:	Urgent Maintenance Works Along Marendegu-Nangurukuru-Lindi Trunk Road (Somanga-Nangurukuru Section)
Project Description:	Scarification & Stabilization of CI, CRS, Double Surface Dressing
Date:	September, 2020 – December, 2020
Location:	Lindi Region (Somanga – Nangurukuru Section, 16km)
Client:	TANROADS Lindi
Employer:	JV SPEK
Position held:	Site/Civil Technician
Activities performed:	Supervision of all activities at site

Name of Project:	JULIUS NYERERE HYDRO-POWER PLANT PROJECT: Construction of Temporary Roads to Permanent Bridge
Project Description:	Rock excavations (Drilling and Blasting), Construction of new roads.
Date:	February, 2020 – August, 2020
Location:	RUFJI – JULIUS NYERERE HYDROPOWER PLANT PROJECT
Client:	JOINT VENTURE "AC-EE" (THE ARAB CONTRACTORS "OSMAN A. OSMAN & CO. AND ELSEWEDY ELECTRIC S.A.E)
Employer:	JV SPEK
Position held:	Site/Civil Technician
Activities performed:	Supervision of all activities at site

Name of Project:	Periodic Maintenance and Spot Improvement Works (29.79km) of Various Roads in Ulanga District Council
Project Description:	Heavy grading, heavy reshaping, gravel wearing course and drainage works, blasting of rocks.
Date:	October, 2018 – June, 2019
Location:	Ulanga/ Mahenge
Client:	TARURA Morogoro
Employer:	Transgeotek Engineering Co. Ltd
Position held:	Site/Civil Technician
Activities performed:	Supervision of all activities at site

Name of Project:	Rehabilitation of Rukuraijo and Kagenyi Water Supply
Project Description:	Repair of water tanks, pipe works, construction of pump house and power supply
Date:	June 2017 – July, 2018
Location:	Kyerwa District
Client:	Kyerwa District Council
Employer:	Transgeotek Engineering Co. Ltd
Position held:	Site/Civil Technician
Activities performed:	To supervise all the works at site including repair of water tank, levelling for pipe works, supervision of construction of DP's and pipe fittings.

Name of Project:	Construction of Earth Fill Dam and Associated Civil Works at Nanja in Monduli District, Ingodini in Longido District
Date:	Oct 2013 – Feb 2014
Location:	Arusha Region
Client:	Care International
Employer:	Allen Ltd.
Position held:	Site/Civil Technician
Activities performed:	<ul style="list-style-type: none"> • Dam and Core Trench setting out. • Supervision of excavation of core trench. • Supervision of fill of core trench to the embankment top level. • Setting and control up stream and down stream slope. • Spillway setting and excavation in designed slope. • Crest weir setting, excavating and stone masonry construction • Stone pitching construction • Inlet and outlet setting and construction, pipe laying and fitting.

Name of Project:	Charcoal Dam Construction at Gelailambwa Village in Longido District
Date:	Oct 2011 – Nov 2011
Location:	Arusha Region
Client:	Care International
Employer:	Allen Ltd.
Position held:	Site/Civil Technician
Activities performed:	<ul style="list-style-type: none"> • Dam and Core Trench setting out. • Supervision of excavation of core trench. • Supervision of fill of core trench to the embankment top level. • Setting and control up stream and down stream slope. • Spillway setting and excavation in designed slope. • Crest weir setting, excavating and stone masonry construction • Stone pitching construction

Name of Project:	Project for periodic maintenance along Mamboleo, Kwa Limboa and LimboaLumo and Spot Improvement along Sandali, Mwinyi, Kilakala and Makangarawe roads.
Date:	Jan 2011 – May 2011
Location:	Dar es Salaam
Client:	Temeke Municipal Council
Employer:	Allen Ltd.
Position held:	Site/Civil Technician
Activities performed:	Surveying, setting out and supervision of construction of drainage structures.

Name of Project:	Construction of earth fill embankment and associated civil works for Iguluba village in Isimani, Iringa @ District
Date:	June 2010 – Dec 2010
Location:	Iringa Region

Client:	Permanent Secretary – Ministry of Water and Irrigation
Employer:	Allen Ltd.
Position held:	Site/Civil Technician
Activities performed:	<ul style="list-style-type: none"> • Dam and Core Trench setting out. • Supervision of excavation of core trench. • Supervision of fill of core trench to the embankment top level. • Setting and control up stream and down stream slope. • Spillway setting and excavation in designed slope. • Crest weir setting, excavating and stone masonry construction • Stone pitching construction • Inlet and outlet setting and construction, pipe laying and fitting. • Setting out and supervision of construction of sand traps.

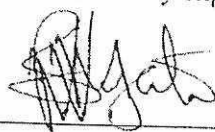
Name of Project:	CONSTRUCTION OF COMMUNITY INFRASTRUCTURE UNDER COMMUNITY INFRASTRUCTURE UPGRADING PROGRAM (CIUP) PHASE 1, FOR MNYAMANI SUB WARD, BUGURUNI WARD IN ILALA MUNICIPALITY.
Date:	Oct 2008 – Jan 2010
Location:	Dar es Salaam
Client:	Ilala Municipal Council
Employer:	Allen Ltd.
Position held:	Site/Civil Technician
Activities performed:	<ul style="list-style-type: none"> • Surveying • Setting out and supervision of construction of drainage structures including construction of pipe culverts, drifts, line ditch. • Supervision of road works including heavy grading, light grading and gravelling

10. Languages:

	<u>Speaking</u>	<u>Reading</u>	<u>Writing</u>
English	Good	Good	Good
Kiswahili	Good	Good	Good

CERTIFICATION

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience.


 [Signature] Day/Month/Year

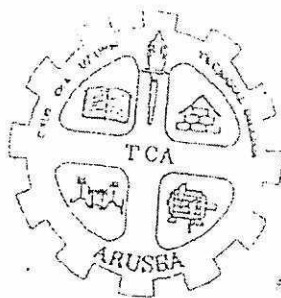
Date: 10/03/2021

• 11. Referees: •

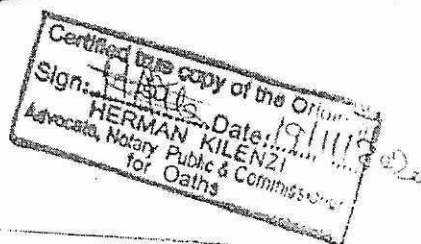
Eng. Tatesha W. Shayo,
General Manager,
Allen Ltd.
P.O. Box 10640.
Dar es Salaam.
Tel: +255 715 441 961

Eng. Manfred Koko,
Mwakalu (Co.).
P.O. Box 431,
Iringa.
Tel: +255 714 880 170

TECHNICAL COLLEGE ARUSHA



ARUSHA



Student's Name (in full) BRASIO MATHAYO NYATO

College Register No. A95058 Place and Date of Birth DAR ES SALAAM - 1974

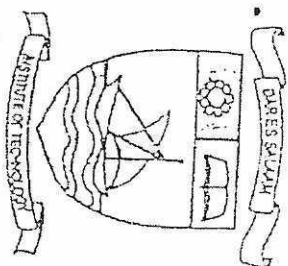
Date of Admission JAN. 1996

Academic Progress: This is to certify that the above named student has completed THREE years of instruction at the College in the field of CIVIL ENGINEERING PTC from JAN. 1996 (year) to NOV. 1998 (year)

During this time he/she pursued the following subjects

1. MATHEMATICS
2. PHYSICS
3. DEVELOPMENT STUDIES
4. COMMUNICATION SKILLS
5. MATERIALS
6. SOIL MECHANICS & FOUNDATIONS
7. SURVEYING
8. ROUTE DESIGN
9. BUILDING CONSTRUCTION & DRW
10. #
11. WORKSHOP PRACTICE & TECHNOLOGY
12. STRUCTURAL MECHANICS
13. STRUCTURAL DESIGN & DETAILING
14. QUANTITY SURVEYING
15. REINFORCED CONCRETE
16. ROAD DESIGN & CONSTRUCTION
17. COMPUTER APPLICATIONS
18. INDUSTRIAL TRAINING
19. #

DAR ES SALAAM INSTITUTE OF TECHNOLOGY



DIT/DOCE/0274871

Professional Development Programme Certificate

This is to Certify that

BRASIO MATIHAJO NYATO

Attended and Satisfactorily Completed the Course

COMPUTER AIDED DESIGN AND DRAUGHTING

From 08TH MARCH 2010 To 08TH APRIL 2010

Dated this 10TH Day of APRIL 2010

Head of Department
Principal

Certified true copy of the Original
Sign: HERMAN KILENZI
Advocate, Notary Public & Commissioner
for Oaths

TANGANYIKA WATTLE COMPANY LIMITED (TANWAT)

Head Office

TANWAT

Tel: +255 (0) 22 212 5418

Fax: +255 (0) 22 212 5422

Email: info@tanwat.com

Registered Office

Kilifi

Private Bag 21212

Tel: +255 (0) 22 212 5418

Fax: +255 (0) 22 212 5422

Email: tanwat@tanwat.com



SABIS

CERTIFICATE OF SERVICE

This is certify that MR BRASIO NYATO worked with this Company

Date of first appointment: 1994

Position: Forestry Inventory Operator-1994-1998
Forestry Researcher -1998-2001
Forestry (Land) Surveyor -2001-2006

Date of leaving: 2006

Reasons for leaving: RESIGNATION

His conduct was: GOOD

If more information is needed, please contact:

PERSONNEL MANAGER
TANGANYIKA WATTLE COMPANY LIMITED
PRIVATE BAG
NJOMBE - TANZANIA

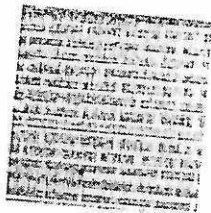
Issued by: ELLY L SEVERE
PERSONNEL MANAGER

Signature

TANGANYIKA WATTLE COMPANY LIMITED,
PRIVATE BAG
NJOMBE

This day the: 03/02/2009

(T) Lt



ALLEN LTD.

Building & Civil Works Contractor

Aja Estate Bldg. 41 Plot 52 No 277 P.O. Box 10640 Dar es Salaam, Tanzania. Tel: 255 22 2657223 Mobile: 0754 250129, 0754 411962 E-mail: aja@aja.co.tz

CERTIFICATE OF SERVICE

This is to certify that MR. BRASIO NYATO has worked with this Company since 1998 as a Land Surveyor and Engineer.

Projects supervised:

- Buyuni Road Rehabilitation Project in DSM.
- CIUP Road Rehabilitation Project; a World Bank Community Upgrading Project in Buguruni in DSM.
- Construction of a Charcoal Dam at Gecelumbwa village in Longido District in Arusha Region.
- Construction of Earthfill Dam and associated civil works at Igilaba village in Morogoro Region.
- Some Bridge and Culvert construction works for TANROADS Region in DAR ES SALAAM and COAST.

His conduct is GOOD, and is a hard working man.

If more information is needed please contact the following:

MANAGING DIRECTOR

ALLEN LIMITED

P.O. BOX 10640

DAR ES SALAAM.

Eng. A.P. MBOKI

MANAGING DIRECTOR.

This 2nd day of April 2013

(T) L