

CURRICULUM VITAE

PERSONAL INFORMATION:

Name: **ERICK CHRISTOPHER NG'WALALI**
Place of Birth: BOKO, DAR ES SALAAM
Address: P.O. BOX 60105, Dar Es Salaam.
Date of birth: 20/03/1987
Citizenship: TANZANIAN
Gender: MALE
Age: 36
Marital Status: **MARRIED**
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erick.ngwalali@tanroads.go.tz



Professional: Professional Civil/Structural Engineer
Job position Previous: In-charge Planning Unit (IPLU)
Job position To-date: In-charge Procurement Unit (IPMU)

Job Company Previous: Esm - Consulting Engineers (T) Ltd.
Job Company To-date: Tanzania National Roads Agency (TANROADS)

PARENTS INFORMATION:

Father Name: **CHRISTOPHER NSHASHI NG'WALALI**
Place of Birth: KUNZUGU, BUKOLE, BUNDA
Current Living: BOKO, DAR ES SALAAM

Mother Name: **JULIETH ALLY TEMBA MBERESERO**
Place of Birth: KISANGARA, MWANGA, KILIMANJARO
Current Living: BOKO, DAR ES SALAAM

KEY QUALIFICATION:

I Erick C Ng'walali, I am a registered professional engineer with registration number PE/ERB/4867 holding a bachelor degree in Civil Engineering with First Class Honours Degree. I have **Eleven (11) years of working experience** in Project Management, Design and Supervision of large Civil Engineering Projects. I am a Project Engineer of one of the famous agency in roads network in the mainland of Tanzania and capable of handling big Civil and Structural Engineering Projects from Feasibility Study, Detailed Design to Final Project Construction. In these projects the key responsibility has to ensure that all construction works are performed in accordance with the design and specifications.

In structural design and construction site supervision works, the coverage has been to all the discipline of Road construction to tarmac, bridges construction, reinforced concrete, structural steel work, timber, masonry and composite materials. I have been a project engineer on a number of projects in the country. I have carried out development studies, feasibility studies, cost estimates, condition survey, concept design, detailed design and tender documentation, contact supervision and monitoring for over **Fifty (50) projects**.

This design and projects management skills range from medium to large civil and structural projects.

Relevance examples being the following thirty-three (33) projects where I was involved in the project design, tender documentation, management, supervision and contract monitoring: -

- ✓ Detailed design and construction site supervision of seven storeys commercial building [UIISO commercial building] – Boko, Dar es salaam
- ✓ Detailed design and construction site supervision of office blocks [two storey building] for Trans African Logistics Limited – Kurasini, Dar es salaam
- ✓ Upgrading of Kibuku main factory facilities for DAR BREW (T) Ltd.
 - Detailed design and construction site supervision of portal frames
 - Detailed design and construction site supervision of SILOS pad foundation
 - Detailed design and construction site supervision of steel bridge (pipe rack)
- ✓ Detailed design and construction site supervision of box Culvert Bridge for Everret Aviation Co.Ltd at JULIUS NYERERE INTERNATIONAL AIRPORT (JNIA) Terminal two.
- ✓ Detailed design and construction site supervision of LPG tank base foundation for ORYX GAS (T) Ltd – Kurasini, Dar es Salaam.
- ✓ Upgrading of SBC- Pepsi main factory facilities
 - Detailed design and construction site supervision of PEPSI – SBC portal frames Facilities in DSM.
- ✓ Proposed Detail Design and construction supervision of LPG tank base pad footing, Detailed design of LPG tank stub column, and detailed design of Vaporizer slab for ALLIANCE ONE FACTORY IN Morogoro region.
- ✓ **Lot 1:** Routine/Recurrent maintenance b/n km 0 + 000 - km 106 + 700 & km 107 + 100 - km 108 + 900 AND, **Lot 2:** Preventive Maintenance of bridges Along Manyoni East - Heka - Sanza - Chaliigongo (Dod/Sgd Bdr) Unpaved Regional Road (R433).
- ✓ **Lot 1:** Routine/Recurrent maintenance b/n km 0 + 000 - km 14 + 500, km 17 + 600 - km 20 + 500 & km 23 + 500 - km 34 + 200, **Lot 2:** Periodic Maintenance b/n km 14 + 500 - km 17 + 600, **Lot 3:** Spot Improvement works b/n km 20 + 500 - km 23 + 500, AND **Lot 4:** Preventive Mtce of bridges Along Heka - Sasilo - Iluma Unpaved Regional Road (R434).
- ✓ **Lot 1:** Routine/Recurrent maintenance Paved b/n km 3 + 000 - km 10 + 800 & km 13 + 800 - km 58 + 500, **Lot 2:** Routine/Recurrent maintenance Paved b/n km 0 + 000 - km 3 + 000 & km 10 + 800 - km 13 + 800 AND **Lot 3:** Preventive Mtce of bridges Along Ulemo - Gumanga - Sibiti (Smy/Sgd Brd) Unpaved Regional Road (R424).
- ✓ **Lot 1:** Periodic Maintenance b/n km 111 + 000 - km 120 + 100, **Lot 2:** Spot Improvement works b/n km 108 + 900 - km 111 + 900 AND **Lot 3:** Bridge Major Repair

- at Km 106 + 900 Along Manyoni East - Heka - Sanza - Chaliigongo (Dod/Sgd Brd) Unpaved Regional Road (R433).
- ✓ Rehabilitation Works to Gravel Standard btn Km 0 + 000 - Km 1 + 000 Along Manyoni East - Heka - Sanza - Chaliigongo (Dod/Sgd Bdr) Unpaved Regional Road (R433) to be financed through Development consolidated Funds.
 - ✓ Rehabilitation Works to Gravel Standard btn Km 10 + 000 - Km 11 + 100 Along Kinyamshindo - Kititimo Unpaved Regional Road (R463) to be financed through Development consolidated Funds.
 - ✓ **Lot 1:** Routine/Recurrent maintenance btn km 6 + 000 - km 109 + 000 & km 113 + 000 - km 220 + 000, **Lot 2:** Routine/Recurrent maintenance btn km 0 + 000 - km 4 + 400, **Lot 3:** Bridge Preventive Maintenance works Along Rungwa - Itigi - Mkiwa Unpaved Regional Road (T022).
 - ✓ **Lot 1:** Routine/Recurrent maintenance btn km 0 + 000 - km 106 + 700 & km 107 + 100 - km 108 + 900, **Lot 2:** Periodic maintenance btn km 46 + 100 - km 55 + 800, **Lot 3:** Spot Improvement works btn km 55 + 800 - km 59 + 300, AND **Lot 4:** Preventive Mtce of bridges Along Ikungi - Londoni - Kilimatinde (Solya) Unpaved Regional Road (R431).
 - ✓ **Lot 1:** Routine/Recurrent maintenance btn km 0 + 000 - 55 + 100, **Lot 2:** Bridge Preventive Maintenance Works Along Singida - Mahu (Sgd/Manyara Brd) Unpaved Trunk Road (T014).
 - ✓ **Lot 1:** Periodic Maintenance btn km 85 + 000 - km 99 + 000, **Lot 2:** Spot Improvement works btn km 99 + 000 - km 109 + 000 Along Rungwa - Itigi - Mkiwa Unpaved Trunk Road (T022).
 - ✓ **Lot 1:** Rehabilitation works (Improvement of Drainage Systems) along Manyoni Access, **Lot 2:** Rehabilitation works along Manyoni East - Heka – Sanza.
 - ✓ **Lot 1:** Periodic maintenance works to **double bituminous surface treatment** between **km 7 + 600 – km 10 + 600 (New Surface)** along Njuki – Ilongero – Ngamu unpaved regional road (**R428**) and **lot 2:** Periodic maintenance works to **double bituminous surface treatment** between **km 6 + 800 – km 9 + 600 (New Surface)** along Sabasaba – Sepuka – Ndago – Kizaga unpaved regional road (**R429**).
 - ✓ **Installation of Traffic and Street Lights in Singida Township** – Lot No. 01: Along Kintinku (Dod/Sgd Brd.) – Singida – Malendi (Sgd/Tbr Brd.) Paved **Trunk Road (T003)** and Lot No. 02: Along Singida – Gehandu (Sgd/Mny Brd.) Paved **Trunk Road (T014)**.
 - ✓ Lot No. 3: Rehabilitation Works (Construction Of Reinforced Concrete Box Culverts Size 2.5m X 1.2m At Km 41 + 730 And Km 43 + 270 (Roads Fund) along Shelui – Sekenke – Tulya – Tyegelo Unpaved Regional Road (R421).
 - ✓ Lot No. 4: Construction Of Bridge (**Widening Of Kilondahatar Bridge At Km 1 + 600** (Consolidated Funds) along Misigiri – Kiomboi Paved Regional Road (R423).
 - ✓ Periodic Maintenance and Routine/Recurrent Maintenance Works between Singida – Malendi Road Section (Km 176 + 760 – Km 284 + 960) along Kintinku (Dod/Sgd Brd.) - Singida - Malendi (Sgd/Tbr Brd.) **Paved Trunk Road (T003)**.

- ✓ Urgent Maintenance Works On Various Sections between Singida and Malendi Road Section along Kintinku (Dod/Sgd Brd) - Singida - Malendi (Sgd/Tbr Brd) **Paved Trunk Road (T003).**
- ✓ **Bridge Major Repair (Construction of Kisaki Box Culvert),** Routine/Recurrent Maintenance and Spot Improvement Works between Kintinku and Singida Road Section (Km 000 + 000 – Km 176 + 760) along Kintinku (Dod/Sgd Brd.) - Singida - Malendi (Sgd/Tbr Brd.) **Paved Trunk Road (T003).**
- ✓ **Bridge Major Repair (Construction of Manga Box Culvert)** between Singida and Malendi Road Section along Kintinku (Dod/Sgd Brd.) - Singida - Malendi (Sgd/Tbr Brd.) **Paved Trunk Road (T003).**
- ✓ **Bridge Major Repair (Construction of Kyengege Box Culvert)** between Singida and Malendi Road Section along Kintinku (Dod/Sgd Brd.) - Singida - Malendi (Sgd/Tbr Brd.) **Paved Trunk Road (T003).**
- ✓ **Supervision of construction of Msingi bridge (100m span) along Kitukutu – Gumanga – Mkalama – Chemchem – Nyahaa (R424).**
- ✓ Periodic Maintenance Activities **Overlay at Skenke Escarpment (4.4km) between Singida – Shelui road section along** Kintinku (Dod/Sgd Brd.) - Singida - Malendi (Sgd/Tbr Brd.) **Paved Trunk Road (T003).**
- ✓ Periodic Maintenance Activities **Overlay at Kintinku (2km) between Kintinku - Manyoni road section along** Kintinku (Dod/Sgd Brd.) - Singida - Malendi (Sgd/Tbr Brd.) **Paved Trunk Road (T003).**
- ✓ Periodic Maintenance Activities **Reconstruction at Tumuli (3km) section along** Kintinku (Dod/Sgd Brd.) - Singida - Malendi (Sgd/Tbr Brd.) **Paved Trunk Road (T003).**
- ✓ Periodic Maintenance Activities **Resealing (single & double) at various sections along** Kintinku (Dod/Sgd Brd.) - Singida - Malendi (Sgd/Tbr Brd.) **Paved Trunk Road (T003).**
- ✓ **Feasibility Study, detailed design and preparation of tender documents for Upgrading of Itigi Township roads (10km) to bitumen standard (President's Promise).**

EDUCATION QUALIFICATION:

Eastern and Southern African Management Institute (ESAMI) 2022 - 2024
Ongoing, Masters (MSc.) in Project Management (MPM).

Engineers Registration Board 2014 - 2017
Awarded, Professional Engineer (PE) with Registration No. PE/ERB/4867.

St. Joseph University in Tanzania 2008 - 2012
Course studied, Bachelor of Engineering in Civil Engineering (B.E. Civil) Hons
Awarded, Degree of Bachelor of Engineering in Civil Engineering with First Class Honors Degree.

Pugu Secondary School 2005 - 2007

Completed Advanced Level Certificate of Secondary School.

Subjects studied in A' level include: physics, chemistry and advanced pure mathematics.

Esacs Academy Secondary School 2001 - 2004

Completed Ordinary Level Certificate of Secondary School.

Subjects studied in O' level include: physics, chemistry, basic math, biology, geography, history, English, Kiswahili, and civics.

Mwenge Primary School 1994 – 2000

EMPLOYMENT EXPERIANCE:

Duration Range: 2023 – Todate

Organisation Name: TANROADS – SINGIDA

Position Held: INCHARGE OF PROCUREMENT MANAGEMENT UNIT (IPMU)

Duties and Responsibilities;

1. To manage Procurement Plan
2. To prepare estimates and materials requirements budget
3. To manage Inventory Analysis and Control
4. To undertake stock taking
5. To manage goods for disposal
6. To prepare Progress reports
7. To investigates and advices on costs of materials
8. To perform such other related duties as assigned by the supervisor
9. To manage incoming and outgoing supplies
10. To maintain receipt and issue register
11. To manage all the procurement related issues
12. Other Official duties as assigned by the Regional Manager (RM).

Duration Range: 2021 – 2023
Organisation Name: TANROADS – SINGIDA
Position Held: INCHARGE OF PLANNING UNIT (IPLU)

Duties and Responsibilities;

1. Preparation of Annual budget cost estimates for the Region for both Maintenance and Development discipline as per Ruling Party Manifesto of the respective 5 Years programme, TANROADS Strategic plan and CE guidelines.
2. Preparation of Annual Operation plan for the Region for both Maintenance and Development discipline as per Approved budget of the respective Financial Year.
3. To conduct inventory and preparation of BOQ's as per operation plan of the respective Financial Year.
4. To conduct contract monitoring of the projects (CMM) through the Road Maintenance Management System (RMMS).
5. Supervision, monitoring, quality and management of projects.
6. To conduct HQ BASED Surveys for updating of the Road Maintenance Management System (RMMS) such as; unpaved road network condition survey, One-day traffic count survey, Spot inventory survey, Network verification survey, MCA parameters survey and total inventory survey.
7. Preparation of quarterly progress reports for the region for both Maintenance and Development discipline for each of the respective Financial Year.
8. Review of Feasibility and Detailed Design reports (FS + DD) for various projects in the Region.
9. Preparation of Regional Road Board Reports (RRB).
10. Other Official duties as assigned by the Regional Manager (RM).

Duration Range: 2018 – 2021
Organisation Name: TANROADS – SINGIDA
Position Held: ACTING HEAD OF PLANNING UNIT (Ag. HOPL)

Duties and Responsibilities;

1. Preparation of Annual budget cost estimates for the Region for both Maintenance and Development discipline as per Ruling party Manifesto of the respective 5 Years programme, TANROADS Strategic plan and CE guidelines.
2. Preparation of Annual Operation plan for the Region for both Maintenance and Development discipline as per Approved budget of the respective Financial Year.
3. To conduct inventory and preparation of BOQ's as per operation plan of the respective Financial Year.

4. To conduct contract monitoring of the projects (CMM) through the Road Maintenance Management System (RMMS).
5. Supervision, monitoring, quality and management of projects.
6. To conduct HQ BASED Surveys for updating of the Road Maintenance Management System (RMMS) such as; unpaved road network condition survey, One day traffic count survey, Spot inventory survey, Network verification survey, MCA parameters survey and total inventory survey.
7. Preparation of quarterly progress reports for the region for both Maintenance and Development discipline for each of the respective Financial Year.
8. Review of Feasibility and Detailed Design reports (FS + DD) for various projects in the Region.
9. Preparation of Regional Road Board Report (RRB).
10. Other Official duties as assigned by the Regional Manager (RM).

Duration Range: 2014 – 2018
Organisation Name: TANROADS – SINGIDA
Position Held: PLANNING & MAINTENANCE ENGINEER

Duties and Responsibilities;

1. Preparation of Annual budget cost estimates for the Region for both Maintenance and Development discipline as per Rulling party Manifesto of the respective 5 Years programme, TANROADS Strategic plan and CE guidelines.
2. Preparation of Annual Operation plan for the Region for both Maintenance and Development discipline as per Approved budget of the respective Financial Year.
3. To conduct inventory and preparation of BOQ's as per the operation plan of the respective Financial Year.
4. To conduct contract monitoring of the projects (CMM) through the Road Maintenance Management System (RMMS).
5. Supervision, monitoring, quality and management of projects.
6. To conduct HQ BASED Surveys for updating of the Road Maintenance Management System (RMMS) such as; unpaved road network condition survey, One-day traffic count survey, Spot inventory survey, Network verification survey, MCA parameters survey and total inventory survey.
7. Preparation of quarterly progress reports for the region for both Maintenance and Development discipline for each of the respective Financial Year.
8. Review of Feasibility and Detailed Design reports (FS + DD) for various projects in the Region.
9. Other Official duties as assigned by the Head of Planning Unit.

Duration Range: 2012 – 2014
Organisation Name: ESM – Consulting Engineers Co. Ltd
Position Held: Structural and Project Engineer

Duties and Responsibilities;

1. Preparation of Feasibility Study report of the project
2. Preparation of Detailed Design report of the project
3. Preparation of Tender Documents of the project
4. Project Management
5. Construction supervision and monitoring
6. Project quality control

COURSE/ SEMINARS ATTENDED:

S/No.	Course work attended	Date & Place attended	Experience Gain
1	RMMS workshops	15/08/2015 – 23/08/2015 (MOROGORO REGION)	Data collection, RMMS 5.4.0 System use
2	RMMS workshops	09/09/2017 – 22/09/2017 (SINGIDA REGION)	Data collection, RMMS 5.4.1 System use
3	BUDGET workshops	12/2017 – 12/2017 (DODOMA REGION)	Budget preparations, Budget modules use from RMMS
4	RMMS workshops	09/2018 – 09/2018 (MWANZA REGION)	Data collection, Rmms 5.4.3 System use
5	BUDGET workshops	12/2018 – 12/2018 (KAGERA REGION)	Budget preparations, Budget modules use from RMMS 5.4.3
6	Integrated Risk Management Analysis	08/2018 – 08/2018 (DAR ES SALAAM)	Mitigation of risk on roads projects
7	HDM-4 Use	08/2018 – 08/2018 (DAR ES SALAAM)	Feasible status of projects, NPV.
8	RMMS workshops	09/2019 – 09/2019 (MTWARA REGION)	Data collection, Rmms 5.5.0 System use
9	BUDGET workshops	12/2019 – 12/2019 (KIGOMA REGION)	Budget preparations, Budget modules use from RMMS 5.5.0
10	Project Management	03/2020 – 03/2020 (UGANDA)	Project management

11	DESIGN OF HIGHWAY DRAINAGE STRUCTURES (CULVERTS) AND APPLICATION OF AUTOCAD CIVIL 3D IN CIVIL WORKS	03/2021 – 04/2021 (DAR ES SALAAM REGION)	Budget preparations, Budget modules use from RMMS 5.5.1
12	BUDGET workshops	12/2021 – 12/2021 (RUKWA REGION)	Budget preparations, Budget modules use from RMMS 5.5.1

Some of the Projects were I was involved as a Project Engineer and has got an extensive coverage in the field of experience based on the following areas of expertise: -

- Civil and Structural Engineering Design
- Checking of all Civil and Structural Engineering Designs and Detailing
- Project Quality Control
- Project Planning and Monitoring of Civil and Structural Engineering Projects, are:

UISO commercial building – seven storey building

In this project the key responsibility was to perform a full detailed design of reinforced concrete structures and structural steel works for UISO commercial building. All structures were analysed and designed using a structural analysis and design software called STAAD Pro 2006 and PROKON 2.6. After a full design I was responsible to coordinate CAD department in making sure that all details were drawn as per design and specifications.

Morogoro Water Treatment Plant

In this project the key responsibility was to perform a full detailed design of reinforced Water Proof concrete structures and structural steel works for the Mafiga water treatment Plant. All structures were analysed and designed using a structural analysis and design software called STAAD Pro 2006. After a full design I was responsible to coordinate CAD department in making sure that all details were drawn as per design and specifications.

LIQUFIED PETROLEUM GAS (LPG) Tank base foundation for Oryx Gas (T) Ltd

In this project the key responsibility was to perform detailed design of reinforced concrete base foundation, mass concrete pipe support and pump station over-site floor concrete. All structures were analysed and designed using structural analysis and design software called PROKON 2.6. After a full design I was responsible to coordinate CAD department in making sure that all details were drawn as per design and specifications.

Upgrading of SBC Pepsi Warehouse Portal Frame Facility

In this project the key responsibility was to perform a full detailed design structural steel for the main building made of reinforced concrete and structural steel. All structural elements and members were analysed and designed using a structural analysis and design software called STAAD Pro 2006. After a full design I was responsible to coordinate CAD department by making sure that all details were drawn as per the design and specification.

LEADERSHIP:

Duration Range: 2022 – To-date
Organisation Name: Eastern and Southern African Management Institute (ESAMI)
Position Held: CLASS PRESIDENT – INTAKE 46 (MSc. In Project Management)

Duties and Responsibilities;

1. To arrange and coordinate all students for group assignments and continuous assessments
2. To lead the class in performance and good conduct
3. To coordinate team work between the students and relationship with lectures
4. To represent the students in all academic matters assigned by the school

Duration Range: 2015 – 2020
Organisation Name: TAMICO – TANROADS SINGIDA BRANCH
Position Held: CHAIRMAN OF TAMICO SINGIDA BRANCH

Duties and Responsibilities;

1. Management of all TAMICO activities within the Region as the Chairman.

Duration Range: 2009 – 2011
Organisation Name: St. Joseph University In Tanzania (SJUIT)
Position Held: DEPUTY CLASS PRESIDENT

Duties and Responsibilities;

1. To manage all the students discipline and report to the Head of department (HoD)
2. To arrange and unit all students for group assignments and continuous assessments
3. To lead the class in performance and good conduct
4. To coordinate the team work within the students and good cooperation with lectures
5. To represent the students in all academic meetings and functions

Duration Range: 2003 – 2004
Organisation Name: Esacs Academy Secondary School (O'level)
Position Held: CLASS REPRESENTATIVE (CLASS REP.)

Duties and Responsibilities;

1. To manage all the students discipline and report to the Class teacher
2. To lead the class in performance and good conduct

COMPUTER SOFTWARE LITERACY:

SOFTWARE NAME:	LEVEL OF COMPETENCE:
○ Microsoft Excel:	Advanced
○ Microsoft Word:	Advanced
○ Microsoft Project:	Advanced
○ Microsoft Power point:	Advanced
○ STAAD. Pro V8i – Structural Analysis & Detailed Design:	Advanced
○ PROKON2.6 – Structural Analysis & Detailed Design	Advanced
○ SAND – Structural Analysis & Detailed Design	Advanced
○ AutoCAD – Computer Aided Design Software	Advanced
○ RISA Tower	Advanced
○ MIDAS	Advanced

LANGUAGES:

	Speaking	Reading	Writing
English	Excellent	Excellent	Excellent
Swahili	Excellent	Excellent	Excellent

REFEREES:

Mr. Kombe Audath,
Head of Department (Civil Engineering),
St. Joseph University in Tanzania,
0713328606.

Eng. Masige J. Matari,
Regional Manager,
TANROADS - MBEYA,
0742789898.

Eng. Msama K. Msama,
Regional Manager,
TANROADS - SINGIDA,
0715778712.

Eng. Boniface Mkumbo,
Director of Projects (DPR),
TANROADS HQ.,
0754809390.

CERTIFICATION:

I, the undersigned, certify that to the best of my knowledge and belief, these data are correctly described me, my qualifications, and my experience.

Erick Christopher Ng'walali

[Name and Signature]

Date: _____
Day / Month / Year