

THE UNITED REPUBLIC OF TANZANIA

MINISTRY OF WORKS

Basic Statistics and Information in Construction Industry (2023)



Makutano – Natta (Sanzate) Section



Tanzanite Bridge



President Office – Ethics Secretariat



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FOREWORD

The Construction Industry is a fundamental economic sector which facilitates most of the other sectors as it transforms various resources into constructed physical economic and social infrastructure necessary for socio-economic development. It embraces the process by which the physical infrastructure are planned, designed, procured, constructed or produced, altered and maintained. Thus, the realization of Vision 2025 partly depends on existence of a reliable and competitive physical infrastructure that is capable of delivering quality services and value for money in the development of the Country.

The goal of the Construction Industry is to develop an internationally competitive industry that will be able to undertake most of the Construction projects in Tanzania and export its services and products and ensure value for money is realized as well as protection of environmental in the implementation of construction projects. Likewise, availability of the realistic data and effective use of the data will facilitate in planning and management as well as in the subsequent implementation of various projects/programs.

In realization of the importance of the above facts, the Ministry of Works has annually been publishing a Sectoral Statistics document from data collected from various stakeholders. These include Government Ministries, Departments, Agencies, Institutions and the Private Sector.

The document contains key basic statistics in Construction Industry at national level that covers a period of five years from 2019 to 2023. The interpretation of these statistics is expressed in terms of numerical, graphs, histograms and pie-charts.

Ambassador Eng. Aisha S. Amour
Permanent Secretary
Ministry of Works

ABBREVIATIONS

AQRB	Architects and Quantity Surveyors Registration Board
ATTI	Appropriate Technology Training Institute
CE	Consulting Engineer
CSWS	Corporations Sole Works Superintendent
CRB	Contractors Registration Board
DSM	Dar es Salaam
EDF	European Development Fund
ERB	Engineers Registration Board
GDP	Gross Domestic Product
GE	Graduate Engineer
GIE	Graduate Incorporated Engineer
GoT	Government of Tanzania
GTE	Graduate Technician Engineers
IE	Incorporated Engineers
ICoT	Institute of Construction Technology
JNIA	Julius Nyerere International Airport
KIA	Kilimanjaro International Airport
MoW	Ministry of Works
MWTI	Morogoro Works Training Institute
NCC	National Construction Council
NBS	National Bureau of Statistics
PE	Professional Engineer
PO-RALG	President's Office Regional Administration and Local Government
RFB	Roads Fund Board
RMMS	Road Maintenance Management System
TANROADS	Tanzania National Roads Agency
TARURA	Tanzania Rural and Urban Roads Agency
TBA	Tanzania Building Agency
TCE	Temporary Consulting Engineer
TEMESA	Tanzania Electrical Mechanical and Electronics Services Agency
TPE	Temporary Professional Engineers

CHAPTER ONE

INTRODUCTION

Construction Industry Sector Statistics provides a synopsis of Construction Industry issues and other relevant information within the Ministry of Works and its Institutions. Their effectiveness, appropriateness and adequateness contribute a lot to the development of other socio-economic activities. Adequate and appropriate data and information is also a prerequisite for strategic planning. In other words, statistics play a major role in strategic planning, management, monitoring and evaluation of the sector. In realization of the importance of information and data, the Ministry of Works publishes on annual basis information and data related to Construction Industry Sector. The objective of this publication is to facilitate close monitoring of the performance of the Sector.

For any data to be meaningful there is a need of updating them at a frequency that would ensure meeting users expectation. In view of this fact, information and data contained in the Ministry's data bank are updated annually using inputs received from different stakeholders including Governments Ministries, Departments, Institutions, Agencies and the Private Sector. The analysis which includes histograms, charts and graphs are used to show trends and behaviours for quick visual interpretation of the presented data of the Sector.

This document is divided into four chapters: Chapter one is the introductory part; brief on basic background data and statistics on Road Network for Tanzania Chapter two provides information on Ministry's Recurrent and Development Budget status; Chapter three contains, Road Condition, Motor Vehicle and Plant Registration in Tanzania Mainland; information and statistics on Institutions of the Ministry namely; TANROADS, TEMESA, TBA, ERB, AQRB, NCC, RFB, CRB, ICoT and CSWS. Chapter four contains statistics for Local Roads and Employment generated during the implementation of Ministry's Development projects. It is important to note that this document does not contain all the required data and information for the Ministry. In a nutshell, the document provides a summary on data and information for core activities performed by the Ministry. However, comments and inputs are invited from all stakeholders for the purpose of improving it in the future.

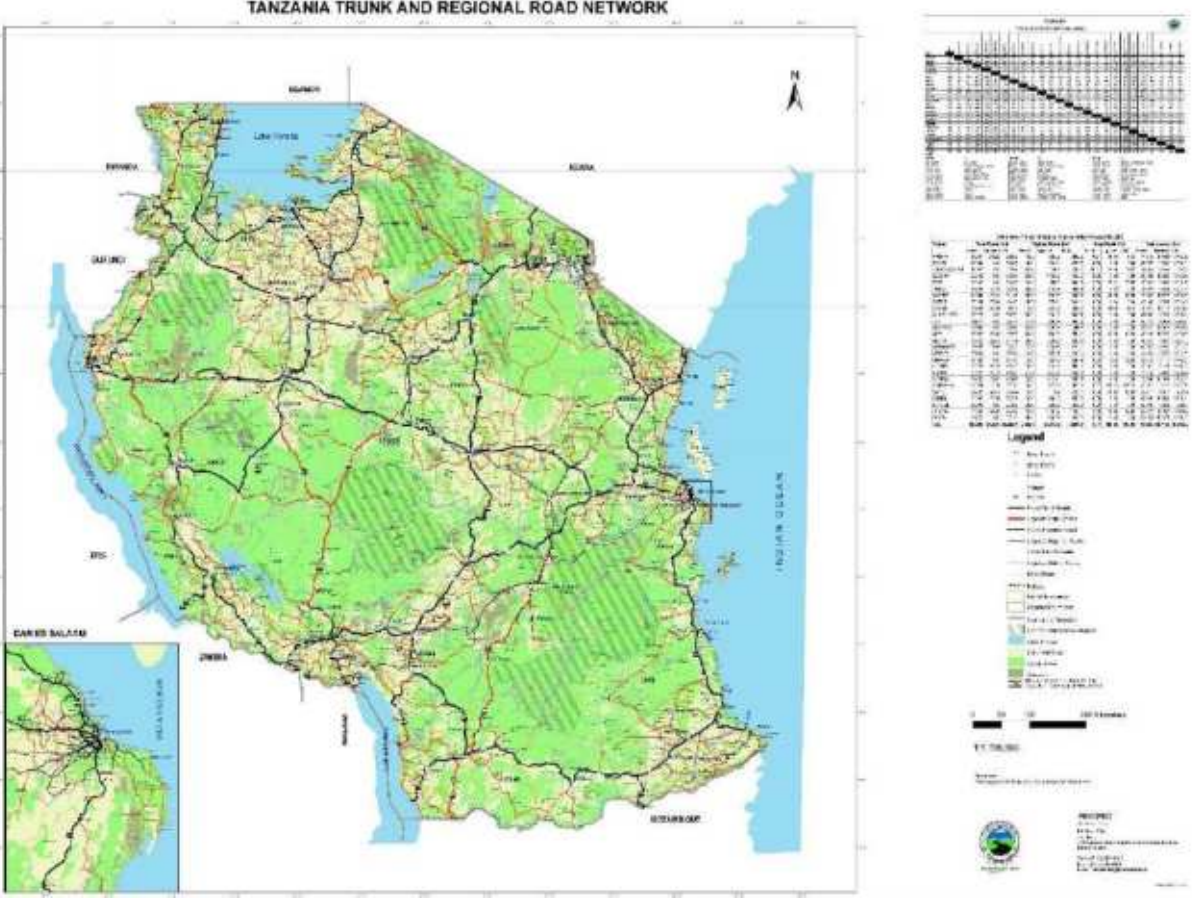
BASIC BACKGROUND DATA

Table 1: Data Describing Tanzania

S/N	Particular	Data/Information
	Location	East Coast of Africa between latitudes 1°S and 11° S and between longitudes 29°E and 41°E.
	Share border with	Kenya and Uganda to the North, Rwanda, Burundi and Democratic Republic of Congo to the West, Zambia, Malawi to the South West and Mozambique to the South.
	Total area of Tanzania	939,701 km ² of which 58,100 km ² is water representing a part of Lakes Victoria, Tanganyika, Nyasa and several other smaller lakes, rivers and sea.
	Capital City	Dodoma with population of 3,085,625 people (2022)
	Number of Regions	Tanzania Mainland 26 regions and Zanzibar 5 regions
	Number of Districts	Tanzania Mainland 168 districts and Zanzibar 10 districts
	Arable Land	15.1 million hectares
	Cultivated Land per year	5.1 million hectares
	Population of Tanzania Mainland	About 67.44 million people (2023).
	Other major cities with their estimated population (2023)	Dar es Salaam (7,776,000), Mwanza (3,699,872), Arusha (2,356,255), Tanga (2,615,597) and Mbeya (2,343,754).
	Average population density of the country	76 people per km ² (197 people per mi ²), calculated on a total land area of 885,800 km ² (342,009 sq. miles).
	Total Road Network (2023)	181,655.77km
	Railway Network	The railway system of mainland Tanzania has a total track length of 6,793 kilometers with two separate networks, run by two separate organizations. These are the Tanzania – Zambia Railway Authority (TAZARA), which maintains and operates 1860 km network including the Tanzania-Zambia railway line from Dar es Salaam to Kapiri Mposhi in Zambia, and Tanzania Railways Corporation (TRC) which maintains and operates over 4,933 km network including Tanzania's railway links to Kenya and Uganda.
	Major Airports	JNIA, KIA , Mtwara, Mwanza, Arusha and Songwe
	Ports Network	There are three (3) Main ports along coast namely Dar es Salaam , Mtwara and Tanga ports at Indian Ocean. Other Small Ports along coast includes Kilwa, Lindi, Mafia, Pangani and Bagamoyo. Main ports along lakes includes Mwanza north and south, Kigoma and Kyela , other Small Ports along lakes includes Kasanga Kibirizi ports at Lake Tanganyika, Bukoba, Kemondo bay, Nansio and Musoma at Lake Victoria and Itungi, Manda, Mbamba bay, Liuli ports at Lake Nyasa
	Major Mountains	Mt Kilimanjaro, Mt Meru, and Mt. Rungwe

S/N	Particular	Data/Information
	Major Rivers	River Rufiji, River Wami , River Ruvuma, River Kagera, River Songwe and River Pangani
	Major Lakes	Lake Victoria (68,800km ²), Lake Tanganyika (32,900km ²), Lake Nyasa (29,600km ²) and Lake Rukwa (5,760km ²)

Figure 1: Trunk and Regional Roads Network Map



CHAPTER TWO

2.0 MINISTRY OF WORKS RECURRENT AND DEVELOPMENT BUDGET STATUS

The Recurrent and Development budget are for execution of both Ministry other charges and Development Projects respectively in line with plans and targets as described by the National Development Vision 2025, National Five Years Development Plan 2021/22-2025/26, Ruling Party Election Manifesto (2020), Sustainable Development Goals (2030), Sectoral Policies, Ministry Strategic Plan 2021/22 – 2025/26 and other National Policy objectives and initiatives.

Details of Recurrent and Development Budget are indicated in **Table 2** and **Table 3**.

Table 2: Planned Recurrent Budget, Releases and Expenditure for the Period ending 30th June, 2023

Financial year	Approved budget (Tshs.Million)	Released fund up to 30 th June (Tshs.Million)	Expenditure up to 30 th June (Tshs.Million)	% of Releases vs Budget	%of Expenditure vs Releases
2018/19	43,90.62	42,601.13	42,574.38	97.02%	99.93%
2019/20	36,282.75	32,841.42	32,817.61	90.52	99.93
2020/21	40,143.33	34,661.81	26,540.67	86.35	76.57
2021/22	38,548.46	37,700.27	37,631.69	97.80	99.82
2022/2023	44,134.54	40,046.88	34,836.70	90.74	86.99

Source: MoW, 2023

Table 3: Summary of Development Budget and Funds Released by 30th June, 2023

Financial year	Approved Budget (Tshs. Billion)			Cumulative Amount Released (Tshs. Billion)			% of Fund Released
	Local	Foreign	Total	Local	Foreign	Total	
2018/19	1,580.72	435.93	2,016.65	1,480.29	337.39	1,818.68	90.18
2019/20	1,914.76	304.05	2,218.81	1,720.92	304.05	2,024.97	91.26
2020/21	1,472.40	325.36	1,797.77	1,264.44	325.078	1,589.52	88.42
2021/22	1,510.23	300.00	1,810.23	1,668.38	299.96	1,968.34	108.73
2022/2023	1,124.56	252.97	1,377.54	1,350.72	423.29	1,774.01	129

Source: MoW, 2023

CHAPTER THREE

3.0 INSTITUTIONS UNDER MINISTRY OF WORKS

The Ministry of Works Institutions whose data have been collected and analyzed include Tanzania National Roads Agency (TANROADS), Tanzania Electrical, Mechanical and Electronic Services Agency (TEMESA), Tanzania Building Agency (TBA), Roads Fund Board (RFB), National Construction Council (NCC) and regulatory bodies i.e. Contractors Registration Board (CRB), Engineers Registration Board (ERB), Architect and Quantity Surveyors Registration Board (AQRB), Institute of Construction Technology (ICoT) and The Corporations Sole Works Superintendent .The respective summary data of these Institutions have been given below:-

3.1 Tanzania National Roads Agency

The Tanzania National Roads Agency (TANROADS) is responsible for the maintenance and development of the Trunk and Regional Roads in Tanzania Mainland. TANROADS was established on 1st July, 2000 by an order published in the Government Gazette, Notice No. 293 of 2000 under Section 3(1) of the Executive Agencies Act No. 30 of 1997, with the expectation of witnessing a significant improvement in road maintenance and development with respect to quality, efficiency and cost-effectiveness. The Agency is responsible for the management 37,226km of Trunk Roads and Regional Roads according to the Roads Act No. 13 of 2007 and subsequent reclassification up to December, 2023.

The Agency specifically has established the maintenance directorate from which all road maintenance issues are technically and administratively handled. This Directorate is responsible for overall preparation, coordination and budgeting control of roads and bridges maintenance program as stipulated in the TANROADS Strategic and Business Plans. The Directorate has country-wide Regional Offices which are responsible for monitoring and

supporting Trunk and Regional Roads to ensure inter-regional movements as well as weighbridge operations to regulate amount of load carried by vehicles.

3.1.1 Classified Road Network

The total classified road network in Tanzania Mainland is estimated to 181,655.77km as of December, 2023. The Ministry of Works, through Tanzania National Roads Agency (TANROADS) is managing the National Road Network of about 37,226km comprising 12,222km of Trunk and 24,036km of Regional Roads. The remaining road network of about 144,429.77km of Urban, District and Feeder Roads is under the responsibility of the President's Office-Regional Administration and Local Government (PORALG) through Tanzania Rural and Urban Roads Agency (TARURA).

3.1.2 Road Classification

Paved Roads

These are roads provided with a water resistant pavement designed to withstand traffic wear. They include bituminous surface dressing, asphalt pavements and concrete roads.

Unpaved “Gravel Roads”

These roads are mainly engineered and provided with drainage and running surface of gravel materials.

Unpaved “Earth Roads”

These are the roads formed or shaped by use of compacted local material. Mostly, these are within the District and Village roads. The current inventory of this category is not well established.

3.1.3 Road Conditions

Good Condition

Roads are classified under this category if they are free from defects and require only routine maintenance to keep them in that state. Road condition can objectively be measured by roughness index which indicate the extent of rutting and surface cracking. For gravel roads, gravel loss is also used to measure condition. The driving comfort for paved and gravel roads range between 100-120 km/h and 70-80km/h respectively.

Fair Condition

Under this category, it is anticipated that the road will have significant defects and requires both routine and periodic maintenance to prevent failure. The driving speed for paved and unpaved roads range from 70 - 90 and 20 - 40km/h respectively.

Poor Condition

Poor roads can be termed as those with pavement failure for over 20 percent of the paved area, as shown by rutting and cracking. For gravel roads failure will result in parts of the sub-grade to be exposed and significantly deformed. Roads in poor condition require rehabilitation or reconstruction to bring them to the original condition.

Results of the survey carried out by TANROADS on national road condition is shown in **Table 5** and **Table 6**

Table 4: National Road Network of Tanzania by Category as of December, (2019 – 2023)

	Category	Paved (Km)	Unpaved (Km)	Total (Km)
2019	Trunk Roads	8,671	3,551	12,222
	Regional Roads	1,808	22,228	24,036
	Total			36,258
2020	Trunk Roads	9,091	3,124	12,215
	Regional Roads	2,118	22,028	24,146
	Total			36,361
2021	Trunk Roads	9,210	3,006	12,216
	Regional Roads	2,118	22,028	24,146
	Total			36,362
2022	Trunk Roads	9,429	2,794	12,223
	Regional Roads	2,538	21,999	24,537
	Total			36,760
2023	Trunk Roads	9,452	2,884	12,336
	Regional Roads	2,577	22,313	24,890
	Total			37,226

Source: TANROADS, 2023

Table 5: Condition of Trunk and Regional Roads as of December, 2023

oad Class	Condition of National Road Networks						Total	
	Good		Fair		Poor			
	Km	Percent (%)	Km	Percent	Km	Percent	Km	Percent
Trunk (paved)	5,372.41	60	2,642.65	30	916.10	10	8,931.16	100
Trunk (unpaved)	1,137.58	60	656.75	35	105.24	6	1,899.57	100
Regional (paved)	654.88	32	1,256.51	62	129.34	6	2,040.73	100
Regional (unpaved)	4,836.98	23	14,854.39	71	1,331.90	6	21,023.27	100
Total Surveyed National Roads Network	17.20	52	13.84	42	2.00	6	33,894.73	100

Note:.. The total road network was not covered due to the fact that, 3,331.27km were not surveyed due to the reasons that road works were in progress, others were impassable and some are under TANAPA.

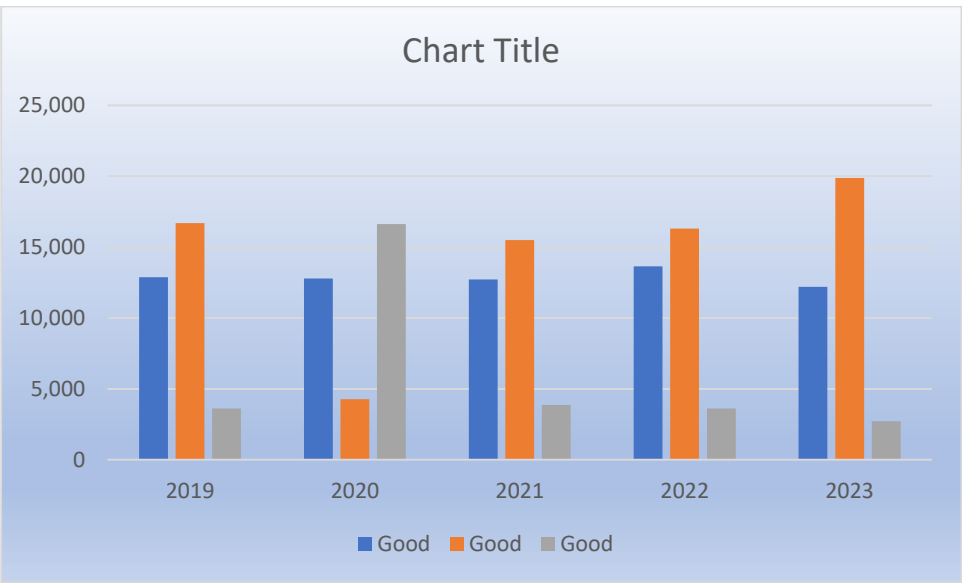
Source: TANROADS, 2023

Table 6: Condition of Trunk and Regional Roads, (2019– 2023)

Year	Good		Fair		Poor		Total	
	km	%	km	%	km	%	km	%
2019	12,865	39	16,692	50	3,617	11	33,174	100
2020	12,722	40	15,500	48	3,853	12	32,075	100
2021	12,676	38	17,432	51	3,614	11	33,722	100
2022	13,647	41	16,312	49	3,614	11	33,572	100
2023	12,196	35	19,872	57	2,705	8	34,772	100

Source: TANROADS, 2023

Figure 2: Condition of Trunk and Regional Roads, (2019 – 2023)



Source: TANROADS, 2023

Table 7: Distribution of Trunk and Regional Roads by Region and Surface as of December, 2023

Region	Trunk Roads (km)			Regional Roads (km)			Other Roads (km)			Total Network (km)		
	Paved	Unpaved	Total	Paved	Unpaved	Total	Paved	Unpaved	Total	Paved	Unpaved	Total
Arusha	367.97	212.85	580.82	110.00	784.55	894.55	0.81	16.94	17.75	478.78	1,014.34	1,493.12
Coast	503.66	0.00	503.66	49.71	826.04	875.75	0.00	0.00	0.00	553.37	826.04	1,379.41
Dar es Salaam	119.99	0.00	119.99	263.02	157.86	420.88	59.18	18.96	78.14	442.19	176.82	619.01
Dodoma	552.19	0.00	552.19	52.10	1,102.93	1,155.03	0.00	0.00	0.00	604.29	1,102.93	1,707.22
Geita	236.18	0.00	236.18	161.48	542.60	704.08	2.66	76.21	78.87	400.32	618.81	1,019.13
Iringa	393.48	67.35	460.83	42.05	714.83	756.88	0.00	0.00	0.00	435.53	782.18	1,217.71
Kagera	630.86	230.73	861.59	158.66	895.09	1,053.75	0.00	50.95	50.95	789.52	1,176.77	1,966.29
Katavi	276.41	318.05	594.46	49.40	557.95	607.35	0.00	0.00	0.00	325.81	876.00	1,201.81
Kigoma	453.69	204.21	657.90	17.50	736.13	753.63	0.00	135.50	135.50	471.19	1,075.84	1,547.03
Kilimanjaro	292.74	0.00	292.74	226.34	536.43	762.77	4.26	39.06	43.32	523.34	575.49	1,098.83
Lindi	347.97	0.00	347.97	57.18	884.34	941.52	0.00	0.00	0.00	405.15	884.34	1,289.49
Manyara	206.59	0.00	206.59	51.65	1,398.75	1,450.40	0.00	0.00	0.00	258.24	1,398.75	1,656.99
Mara	219.67	190.06	409.73	170.52	783.29	953.81	0.00	63.38	63.38	390.19	1,036.73	1,426.92
Mbeya	389.23	182.31	571.54	80.10	627.66	707.76	0.00	124.04	124.04	469.33	934.01	1,403.34
Morogoro	464.87	384.55	849.42	162.16	1,059.65	1,221.81	0.00	0.00	0.00	627.03	1,444.20	2,071.23
Mtwara	277.64	0.00	277.64	163.79	861.29	1,025.08	0.00	0.00	0.00	441.43	861.29	1,302.72
Mwanza	261.86	0.00	261.86	31.81	857.98	889.79	0.05	22.80	22.85	293.72	880.78	1,174.50
Njombe	256.37	147.05	403.42	151.26	667.95	819.21	0.00	156.91	156.91	407.63	971.91	1,379.54
Rukwa	298.35	117.51	415.86	77.83	757.15	834.98	0.00	0.00	0.00	376.18	874.66	1,250.84
Ruvuma	702.52	218.13	920.65	33.54	1,212.01	1,245.55	0.00	0.00	0.00	736.06	1,430.14	2,166.20
Shinyanga	225.51	51.59	277.10	40.36	747.18	787.54	0.57	112.53	113.10	266.44	911.30	1,177.74
Simiyu	212.26	120.78	333.04	19.11	506.40	525.51	0.00	66.99	66.99	231.37	694.17	925.54
Singida	430.18	242.69	672.87	61.82	983.62	1,045.44	0.00	0.00	0.00	492.00	1,226.31	1,718.31
Songwe	233.63	0.00	233.63	23.17	778.61	801.78	0.00	0.00	0.00	256.80	778.61	1,035.41
Tabora	770.49	196.60	967.09	53.74	1,104.27	1,158.01	3.00	59.99	62.99	827.23	1,360.86	2,188.09
Tanga	327.25	0.00	327.25	198.26	1,283.79	1,482.05	0.00	0.00	0.00	525.51	1,283.79	1,809.30
TOTAL	9,451.56	2,884.46	12,336.02	2,506.56	21,368.34	23,874.91	70.53	944.26	1,014.79	12,028.65	25,197.07	37,225.72

Source: TANROADS, 2023

Table 8: Ongoing Projects as of December, 2023

S/N	Project Name	Length in km	Financier	Contract Sum TZS (Billion)	Progress (%)
1	Upgrading of Kabingo - Kasulu - Manyovu Road (206.6 km) to Bitumen Standard, Lot 1: Kasulu Junction - Manyovu Including Kasulu Town Links Section (68.25 km)	68.25	African Development Bank Group and Government of The United Republic of Tanzania	76.180	63%
2	Upgrading of Dumila – Kilosa – Ulaya – Mikumi Road (142km) to Bitumen Standard, Lot 2: Rudewa – Kilosa Section (24 km)	24	Government of The United Republic of Tanzania	41.117	96%
3	Upgrading of Bagamoyo (Makurunge)-Saadani-Pangani-Tanga Road (256km) to Bitumen Standard; Lot 1: Pangani-Tanga (50Km)	50	Government of The United Republic of Tanzania	66.853	70.08%
4	Upgrading of Handeni – Kibirashi – Kwamtoro - Singida (434.33km) to Bitumen Standard , Lot 1:Handeni – Mafuleta Section (20km)	20	Government of The United Republic of Tanzania	24.893	35.00%
5	Upgrading of Nachingwea - Ruangwa - Nangana Road (106 Km) to Bitumen Standard, Lot 2: Ruangwa - Nanganga Section (53.2 Km)	53.2	Government of The United Republic of Tanzania	51.356	76.00%
6	Upgrading of Bugene - Kasulo (BENACO) - Kumunazi Road (128.5 km) to Bitumen Standard: Lot 2: Bugene - Burigi Chato National Park Section (60.0 km)	60	Government of The United Republic of Tanzania	92.840	28.90%
7	Construction of Mbambe Bridge (81m) And Approach Roads (3.0km) to Bitumen Standard	0.081	Government of The United Republic of Tanzania	24.160	8%
8	Upgrading of Nyamwage - Utete Road to Bitumen Standard	33.7	Government of The United Republic of Tanzania	43.42	0.0

S/N	Project Name	Length in km	Financier	Contract Sum TZS (Billion)	Progress (%)
9	Upgrading of Kagera Sugar Junction - Kakunyu Road to Bitumen Standard; Kagera Sugar Junction - Kitengule Junction Section	25	Government of The United Republic of Tanzania	54.79	0
10	Upgrading of Tamco - Vikawe - Mapinga (23km) Road To Bitumen Standard, Lot II: Pangani - Mapinga Section (13.59 km)	13.59	Government of The United Republic of Tanzania	17.89	Waiting for Compensation
11	Construction of J. P. Magufuli Bridge (3200m) and Associated Approaches Roads (1.66km)	3.2	Government of The United Republic of Tanzania	592.61	81.22%
12	Upgrading of Sengerema - Nyehunge Regional Road (54.4 km) to Double Surface Dressing	54.4	Government of The United Republic of Tanzania	54.79	Under Mobilization
13	Construction of Lower Mpiji (140m) And Approach Roads (2.3km) to Bitumen Standard	0.14	Government of The United Republic of Tanzania	18.40	Under Mobilization
14	Upgrading to bitumen standard of Ntyuka - Mvumi - Makulu Road (8.6km) And Kikombo Jct - Chololo - Mapinduzi (Tpdf Hq) Road (16.4km)	25	Government of The United Republic of Tanzania	38.20	47
15	Isyonje - Kikondo - Makete: Kitulo - Iniho Section	36.3	Government of The United Republic of Tanzania	69.75	4%
16	Upgrading of Itoni – Ludewa – Manda Road (211.4km) to Cement Paved Standard Lot 1: Itoni - Lusitu	50	Government of The United Republic of Tanzania		21.6%
17	Rehab Ibanda - Kajunjumele (22km) & Upgrading Kajunjumele - Kiwira Port (6km) & Rehab Kajunjumele - Itungi Port (4km)	28km& 4km	Government of The United Republic of Tanzania	38.36	1.9%
18	Rehab of Igawa - Uyole - Songwe Tunduma Road (218km): Lot:	29	Government of The United	138.73	12.4%

S/N	Project Name	Length in km	Financier	Contract Sum TZS (Billion)	Progress (%)
	Nsagala - IFISI (29KM) Widening to Dual Carriageway		Republic of Tanzania		
19	Upgrading of the existing 111km of the road between Mbeya Municipality and Makongorosi via Chunya to bitumen standard Section 3: Chunya – Makongorosi (39km) Construction of Matundasi (CHUNYA);	39	Government of The United Republic of Tanzania	6.936	97%
20	Upgrading of Makongorosi - Rungwa – Itigi – Mkiwa Road to Bitumen Standard; Lot 7(A): Noranga – Itigi (Mlongoji) Section (25km)	25	Government of The United Republic of Tanzania	29.770	70%
21	Upgrading of Makongorosi - Rungwa - Itigi - Mkiwa Road to Bitumen Standard Lot 7B: Noranga - Doroto (6 km) And Itigi - Mkiwa (25.569 km) Section (31.569 Km)	31.56	Government of The United Republic of Tanzania	39.989	Under Mobilization
22	Upgrading of Ifakara - Kihansi (124km) Road to Bitumen Standard, Lot1: Ifakara - Mbingu	62.5	Government of The United Republic of Tanzania	97.178	Under Mobilization
23	Upgrading of Sabasaba - Sepuka - Ndago - Kizaga (77.4km) Regional Road to Bitumen Standard	77.4	Government of The United Republic of Tanzania	97.178	Under Mobilization
24	Design and build for upgrading of Karatu - Mbulu - Maswa (389km) Road to Bitumen Standard, Lot 1: Mbulu - Garbabi (25km)	25	Government of The United Republic of Tanzania	36.350	32%
25	Upgrading of Mianzini – Olemringaringa – Ngaramtoni Juu & Olemringaringa – Sambasha/Timbolo Roads to Bitumen Standard	18	Government of The United Republic of Tanzania	22.226	41%
26	Upgrading of Karatu - Mbulu - Hydrom - Sibiti River - Lalago - Maswa (389km) to Bitumen Standard; Lot 2: Labay - Haydom	25	Government of The United Republic of Tanzania	42.271	Under Mobilization

S/N	Project Name	Length in km	Financier	Contract Sum TZS (Billion)	Progress (%)
	Section (25km) Under Design and build contract				
27	Upgrading of Matai – Kasesya (50km) Road to Bitumen Standard; Lot 1: Matai – Tatanda Section	25	Government of The United Republic of Tanzania	37.350	33%
28	Upgrading Of Ntendo - Muze - Kilyamatundu (179km) Road to Bitumen Standarad; Lot 1: Ntendo - Kizungu Section	25	Government of The United Republic of Tanzania	45.290	42%
30	Upgrading Of Mpanda-Uvinza-Kanyani (250.44km) Road to Bitumen Standard; Lot 2: Vikonge - Luhafwe Section	25	Government of The United Republic of Tanzania	35.630	53%
31	Upgrading of Mpanda-Uvinza-Kanyani (250.44km) Road to Bitumen Standard; Lot 3: Luhafwe - Mishamo/ Bulamata JCT Section	37.35	Government of The United Republic of Tanzania	58.629	0%
32	Design And Build for upgrading of Kibaoni - Sitalike (74km) Road to Bitumen Standard, Lot 1: Kibaoni - Mlele Junction (50km)	50	Government of The United Republic of Tanzania	88.725	13%
33	Upgrading of Kibondo Townlink (Nduta Junction – Kibondo Town - Kibondo Junction Section - 25.9km) to Bitumen Standard	25.9	Government of The United Republic of Tanzania	31.900	63%
34	Upgrading of Kibondo - Mabamba (47.925km) to Bitumen Standard	47.92	Government of The United Republic of Tanzania	63.756	10%
35	Upgrading of Makutano – Nyamuswa – Ikoma Gate to Bitumen Standard (135 km); Lot 2: Sanzate – Natta Section (40km)	40	Government of The United Republic of Tanzania	39.470	44%
36	Upgrading of Tarime - Mugumu Road (87.14km) to Bitumen Standard; Lot 1: Mogabiri – Nyamongo Road Section (25km)	25	Government of The United Republic of Tanzania	34.662	40%

S/N	Project Name	Length in km	Financier	Contract Sum TZS (Billion)	Progress (%)
37	Upgrading of Tarime – Mugumu (87.14km) Road to Bitumen Standard; Lot 2: Tarime – Mogabiri Road Section (9.3km) and Nyamongo – Mugumu Road Section (48.15km)	61.09	Government of The United Republic of Tanzania	81.149	Under Mobilization
38	Construction of Simiyu Bridge (150m) And Its Approach Roads (3.0 km) to Bitumen Standard In Mwanza Region Under The Design and Built Type of Contract	0.15	Government of The United Republic of Tanzania	48.788	Under Mobilization
39	Upgrading of Kitai - Lituhi Road (84.5 km) to Bitumen Standard; Lot 1: Amaniakoro – Ruanda Section (35km)	35	Government of The United Republic of Tanzania	60.481	24%
40	Upgrading of Sibiti Bridge Approach Roads to Bitumen Standard (24.83 km)	24.83	Government of The United Republic of Tanzania	21.776	0.05%
41	Upgrading of Mkange - Tungamaa - Pangani Road (120.8km) Including Pangani Bridge (525m) to Bitumen Standard: Lot 3: Tungamaa - Mkwaja - Mkange (95.2km) Including 3.7 km	95.2	AfDB & GoT	94.54	29.993%
42	Upgrading of Mkange-Tungamaa-Pangani Road (120.8km) including Pangani Bridge (525m) to Bitumen Standard: Lot 2: Construction of Pangani Bridge (525m) & Upgrading of its Approach Roads (14.3km), Ushongo Spur Road (5.9 km) And Pangani Access Road (5.4 km)	Bridge - 525m, Road - 25.6km	AfDB & GoT	82.19	19.4%
43	Upgrading of Malagarasi – Uvinza Road (51.1km) to Bitumen Standard	51.1	OPEC/ ADFD/GOT	62.76	51.1%
44	Upgrading of Kaliua – Malagarasi – Ilunde Road (156km) to Bitumen Standard	36	OPEC	48.65	Main road partially substantially

S/N	Project Name	Length in km	Financier	Contract Sum TZS (Billion)	Progress (%)
	Lot 2: Kazilambwa - Chagu Section (36km)				completed, addendum commenced
45	Lot 1: Kasulu Junction-Manyovu Including Kasulu Town Links (68.25 km):(I) Kasulu-Manyovu (58.8 Km) Section And (li) Kasulu Town Links (9.45km)	68.25	AfDB/GOT	76.180	63.62%
46	Upgrading of Kabingo - Kasulu - Manyovu (260.6km) Road to Bitumen Standard; Lot 2: Kanyani Junction - Mvugwe Section (70.5km)	70.5	AfDB	83.741	65.30%
47	Lot 3: Mvungwe – Nduta Junction Section (59.35km)	59.35	AfDB/GOT	84.756	71.80%
48	Lot 4: Nduta Junction - Kibondo Junction - Kabingo (62.5km) Section	62.5 km	AfDB/GOT	95.537	96.70%
49	Lot 1: Nala – Veyula – Mtumba – Ihumwa Dry Port	52.3	AfDB/AGTF/GOT	100.840	69.87%
50	Lot 2: Ihumwa Dry Port – Matumbulu - Nala	60	AfDB/AGTF/GOT	120.860	58.51%
51	BRT Phase 2, Lot 1: Road Works	20.3	AfDB/GoT	253.909	99.00%
52	BRT Phase 3, Lot 1: Roadworks	23	WB	231.664	24.50%
53	Upgrading Construction Works of the Kidatu – Ifakara Road	66.9	EU/GOT	49.30	95% as per revised Programme
54	Songwe/Kasumulu - Tanzania/ Malawi Boarder Osbp	1.00	IDA/GOT	26.426	92.35%
55	Refurbishment of 20 Health Facilities - Lot 3	1.00	IDA/GOT	1.322	75.00%
56	Rehabilitation, Construction and Expansion of EMS Lot 2	1.00	IDA/GOT	0.436	85.00%
57	Rehabilitation of Lusahunga – Rusumo Road Section	92.00	IDA/GOT	153.56 TZS & 66.48 USD	1.00%
58	Upgrading of Mnivata - Newala - Masasi Road to Bitumen Standard ; Lot 1: Mnivata - Mitesa (100 km)	100.00	ADF	141.960	Under Mobilization

S/N	Project Name	Length in km	Financier	Contract Sum TZS (Billion)	Progress (%)
59	Upgrading of Mnivata - Newala - Masasi Road to Bitumen Standard ; Lot 2: Mitesa - Masasi (60 km)	60.00	ADF	92.550	Under Mobilization

Source: TANROADS, 2023

3.2 Tanzania Electrical, Mechanical and Electronics Services Agency

Tanzania Electrical, Mechanical and Electronics Services Agency (TEMESA) is established under the Ministry of Works, with the aim of providing efficient and effective electrical, mechanical and electronic services, reliable and safe ferry transport services and hiring of equipment to government institutions and the public at large. The Agency was established on 25th August 2005 in accordance with the Executive Agencies Act No. 30 of 1997. **Table 9** and **Table 10** provide number of ferries operated by TEMESA and their capacities respectively.

Table 9:Status of Ferries and their Capacities in each Location as of December, 2023

S/N	OPERATIONAL LOCATION	NAME OF THE CROSSED WATER BODY	REGION	FERRY NO.	NAME OF FERRY	FERRY CAPACITY	YEAR OF PURCHASE	STATUS
1	Magogoni - Kigamboni	Indian Ocean	Dar es Salaam	1	MV Magogoni	500 Tons (2000 Passengers, 60 Small vehicles)	2008	Under Rehabilitation
				2	MV Kigamboni	160 Tons (800 Passengers, 22 Small vehicles)	1990	Under Maintenance of Transmission Gearboxes
				3	MV Kazi	170 (800 Passengers, 22 Small vehicles)	2017	Operational
2	Ilagala - Kajeje	Malagarasi River	Kigoma	4	MV Malagarasi	50 Tons (100 Passengers,6 Small vehicles)	2012	Operational
3	Kilambo - Namoto (Msumbiji)	Ruvuma River	Mtwara	6	MV Kilambo	50 Tons (100 Passengers, 6 Small vehicles)	2013	Under operational crossing Lindi -Kitunda
4	Msangamkuu - Msemo	Indian Ocean	Mtwara	7	MV Mafanikio	50 Tons (100 Passengers, 6 Small vehicles)	2014	Operational

S/N	OPERATIONAL LOCATION	NAME OF THE CROSSED WATER BODY	REGION	FERRY NO.	NAME OF FERRY	FERRY CAPACITY	YEAR OF PURCHASE	STATUS
				8	MV Tangazo (Boat)	2 Engines, 25 Hp each. 25 Passengers	2017	Operational
				9	MV Kuchele (Boat)	1 Engine, 15 Hp, 800 Kgs, 8 Passengers	2017	Operational
5	Musoma - Kinesi	Lake Victoria	Mara	10	MV Musoma	85 Tons (330 Passengers, 10 Small vehicles)	2011	Operational.
6	Iramba - Majita	Lake Victoria	Mara	11	MV Mara	25 Tons (60 Passengers, 4 Small vehicles)	1971	Operational
7	Mlimba - Malinyi	Kilombero River	Morogoro	12	MV Kilombero I	50 Tons (100 Passengers, 6 Small vehicles)	2003	Non-operational. To be disposed.
				13	MV Kilombero II	50 Tons (100 Passengers, 6 Small vehicles)	2007	Non-operational. To be shifted to Kikove – Ngoherera station which is under Rehabilitation.

S/N	OPERATIONAL LOCATION	NAME OF THE CROSSED WATER BODY	REGION	FERRY NO.	NAME OF FERRY	FERRY CAPACITY	YEAR OF PURCHASE	STATUS
8	Rusumo - Nyakiziba	Ruvuvu River	Kagera	14	MV Ruvuvu	35 Tons (80 Passengers, 4 Small vehicles)	2011	Operational
9	Kasharu - Buganguzi	Ngono River	Kagera	15	MV Kyanyabasa	7 Tons(50 Passengers, 2 Small vehicles)	2005	Operational
10	Utete - Mkongo	Rufiji River	Pwani	16	MV Mkongo	15 Tons, 2 Engines (40 Hp each), 40 Passengers	2017	Non- Operational. Under Maintenace
11	Mafia - Nyamisati	Indian Ovean	Pwani	17	MV Kilindoni	100 Tons (300 Passengers, 10 Small vehicles)	2021	Operational
12	Pangani - Bweni	Pangani River/ Indian Ocean	Tanga	18	MV Tanga	50 Tons (100 Passengers, 6 Small vehicles)	2016	Operational
				19	MV Pangani	50 Tons(100 Passengers, 6 Small vehicles)	2008	Operational
				20	MV Bweni (Boat)	15 Hp engine, 800 Kgs, 8 Passengers	2017	Operational

S/N	OPERATIONAL LOCATION	NAME OF THE CROSSED WATER BODY	REGION	FERRY NO.	NAME OF FERRY	FERRY CAPACITY	YEAR OF PURCHASE	STATUS
13	Kigongo - Busisi	Lake Victoria	Mwanza	21	MV Misungwi	250 Tons (1000 Passengers, 36 Small vehicles)	2008	Operational
				22	MV Mwanza	250 Tons (1000 Passengers, 36 Small vehicles)	2018	Operational
				23	MV Sengerema	170 Tons (490 Passengers, 24 Small vehicles)	1985	Operational
				24	MV SAR IV (Boat)		1968	Operational
14	Kisorya - Rugezi	Lake Victoria	Mwanza	25	MV Ujenzi	85 Tons (330 Passngers, 10 Small vehicles)	2011	Operational
15	Bugolora - Ukara	Lake Victoria	Mwanza	26	MV Sabasaba	85 Tons (330 Passengers, 10 Small vehicles)	1970	Non-operational. Awaiting for Major Maintenance of Engine and Propulsion Units
				27	MV Ukara I	25 (70 Passengers)	1978	Under Major Rehabilitation

S/N	OPERATIONAL LOCATION	NAME OF THE CROSSED WATER BODY	REGION	FERRY NO.	NAME OF FERRY	FERRY CAPACITY	YEAR OF PURCHASE	STATUS
				28	MV SAR III (Boat)	2 Engines 300 Hp each, 25 Passengers		Non- Operational. Awaiting for Major Rehabilitation
				29	MV Nyerere	25 Tons (100 Passengers)	2004	Non - operational. Under major rehabilitation.
				30	MV Ukara II	100 Tons (300 Passengers, 10 Small vehicles)	2020	Operational
16	Mwanza mjini (Ilunda - Luchehele)	Lake Victoria	Mwanza	31	MV TEMESA (MV GEITA)	65 Tons (120 Passengers, 6 Small vehicles)	1968	Operational
17	Nyakaliro - Kome	Lake Victoria	Mwanza	32	MV Kome II	50 Tons(100 Passengers, 6 Small vehicles)	2008	Operational
18	Kayenze - Bezi	Lake Victoria	Mwanza	33	MV Ilemela	100 Tons (100 Passengers, 10 Small vehicles)	2019	Operational

S/N	OPERATIONAL LOCATION	NAME OF THE CROSSED WATER BODY	REGION	FERRY NO.	NAME OF FERRY	FERRY CAPACITY	YEAR OF PURCHASE	STATUS
19	Kahunda - Maisome	Lake Victoria	Geita	34	MV Tegemeo	85 (330 Passengers, 10 Small vehicles)	2014	Operational
20	Chato - Muharaba - Zumacheli - Senga - Bukondo - Nkome	Lake Victoria	Geita	35	MV Chato I	75 Tons (200 Passengers, 6 Small vehicles)	1977	Under Maintenance of Propulsion Unit
				36	MV Chato II – Hapa Kazi Tu	100 Tons (200 Passengers, 10 Vehicles)	2020	Operational
21	Ilunga - Kipingu	River Ruhuhu	Ruvuma	37	MV Ruhuhu	50 Tons (100 Passengers, 6 Small vehicles)	2008	Non-operational. Bridge built. Shifted to Mwaya-Kajunjumwela at Kyela District in Mbeya Region. Under Major Rehabilitation.

S/N	OPERATIONAL LOCATION	NAME OF THE CROSSED WATER BODY	REGION	FERRY NO.	NAME OF FERRY	FERRY CAPACITY	YEAR OF PURCHASE	STATUS
22	Lindi - Kitunda	Indian Ocean	Lindi	38	MV Kitunda	50 Tons (100 Passengers, 6 Small vehicles)	2010	Under Sea Trial after Major Rehabilitation .
				39	MV Lindi (Boti)	25 Passengers	2021	Operational.

Source: TEMESA, 2023

Table 10: TEMESA Ferry Traffic Count January-December, 2023

Ferry/ Station	Adults	Children ≤ 14 yrs	Bicycle & m/cycle	Pkg < 50 kg & pkg > 50 kg	Carts, t/cycles & psg t/cycles	Cattle & other d/ animal	Saloon 0 = < 1.5ton	Station Wagon	Min bus ≤ 15 psg, veh > 15 psg ≤ 29 psg, veh > 29 psg, veh > 2t ≤ 7t & veh > 2t ≤ 3.5t	Tractor & Tractor trailer	Lorries 8-30 tonne & buses > 45 psg	Heavy trucks, plants, earht mover & heavy equip
Magogoni Ferry	21,777,945	105,713	464,369	-	69,959	-	299,407	179,697	4,491	-	-	-
Kigongo/ Busisi	4,564,480	410,925	107,021	3,474	9,415	23,404	94,879	19,673	52,168	4,347	13,306	382
Kisorya/Rugezi	356,200	12,500	2,665	40,685	2,427	1,295	3,876	846	7,824	33	441	11
Nyakaliro/Kome	132,415	927	10,609	14,840	1,034	488	684	734	1,362	54	4	-
Bugolora/Ukara	208,324	15,334	16,979	36,598	4,197	1,838	869	495	1,347	39	9	6
Chato/Nkome	54,436	11,720	3,275	13,258	2,607	1,368	152	11	-	2	-	4,470
Mafia/Nyamisati	290,863	4,186	47,645	10,448	1,449	1,953	3,300	2,040	4,477	-	44	6
Ilagala/Kajeje	100,772	17	20,243	230	405	868	953	1,583	4,055	-	21	-
Kilambo/Namoto	20,876	1,636	434	5,817	121	-	22	138	91	22	-	2
Pangani/Bweni	372,862	10,242	99,743	6,680	2,580	731	8,953	4,431	9,954	159	71	21
Ilunga/Kipingu	-	-	-	-	-	-	-	-	-	-	-	-
Kasharu/Buganguzi	22,300	29	15,133	5,393	318	9	1,747	150	314	-	1	-

Ferry/ Station	Adults	Children ≤ 14 yrs	Bicycle & m/cycle	Pkg < 50 kg & pkg > 50 kg	Carts, t/cycles & psg t/cycles	Cattle & other d/ animal	Saloon 0 = < 1.5ton	Station Wagon	Min bus ≤ 15 psg, veh > 15 psg ≤ 29 psg, veh > 29 psg, veh > 2t ≤ 7t & veh > 2t ≤ 3.5t	Tractor & Tractor trailer	Lorries 8-30 tonne & buses > 45 psg	Heavy trucks, plants, earth mover & heavy equip
Utete/Mkongo	-	-	-	-	-	-	-	-	-	-	-	-
Rusumo/Nyakiziba	86,989	437	31,822	33,817	12	169	8,753	-	3,053	102	2	-
Musoma/Kineshi	232,802	30,115	12,985	41,584	889	720	2,214	-	269	2	1	-
Kilumba/Luchelele	35,534	309	3,707	559	2,961	2,614	6	-	20	35	2	1
Iramba/Majita	53,667	2,513	2,252	4,831	7	145	52	-	7	-	-	-
Kahunda/maisome	197,478	8,852	3,721	37,478	454	544	129	110	291	13	-	262
Lindi/Kitunda	167,001	9,855	23,641	28,814	1,038	393	1,014	507	782	16	1	952
Msanga Mkuu/Msemo	195,158	10,738	29,569	18,292	3,101	16	1,954	131	298	5	-	-
Kayenze/Bezi	90,421	5,873	2,450	2,963	640	223	1,079	151	170	5	4	3
TOTAL	28,960,523	641,921	898,263	305,761	103,614	36,778	430,043	210,697	90,973	4,834	13,907	6,116

Source: TEMESA, 2023

Table 11: Motor Vehicle and Plant Registration 1st January to 31st December 2023

Year	Registration						
	Category	Plate Numbers			Type		
		From	To	Total	Motor Vehicle	Motor Cycle	Plant
2019	STL	6772	7635	866	765	101	0
	DEPA	7166	7676	511	368	126	17
	STA	294	297	4	4	0	0
	PT	4189	4510	323	309	14	0
	CW	6722	6736	15	0	0	15
	MT	374	381	8	2	2	4
	UT	251	272	22	22	0	0
	ZT	1	46	46	42	0	0
	Total			1,795			
2020	STL	7636	9009	1,374	664	710	0
	DFPA	7677	8540	864	292	552	20
	STA	297	298	1	1	0	0
	PT	4511	4579	49	28	21	0
	CW	6737	6753	17	0	0	17
	MT	382	383	2	2	0	0
	UT	273	304	32	21	11	0
	ZT	43	61	19	19	0	0
	Total			2,358	1,027	1,294	37
2021	STL	9010	9999	990	736	254	0
	STM	0001	0016	16	16	0	0
	STA	299	312	14	14	0	0
	DFPA	8541	9007	467	194	271	2
	PT	4568	4586	19	19	0	0
	CW	6754	6756	3	0	0	3
	MT	384	391	8	8	0	0
	UT	305	325	21	16	5	0
	ZT	62	82	21	16	5	0
	Total			1,559	1019	535	5
2022	STM	0017	2676	2660	978	1682	0
	DFPA	9008	9413	406	120	252	34
	STA	315	322	8	8	0	0
	PT	4590	4740	151	110	41	0
	CW	6757	6774	18	0	0	18
	MT	392	408	17	17	0	0
	UT	326	332	7	4	3	0
	ZT	83	111	29	24	5	0
	01JU	0	171	171	140	59	22
	02JU	0	341	341	286	15	40
	03JU	0	248	248	191	42	15
	04JU	0	582	582	263	285	34
	Total			6,197			
2023	STM	2677	8296	5620	1716	3904	0
	STA	323	334	12	12	0	0
	DFPA	9414	9999	586	370	105	111
	DFFB	0000	0018	18	18	0	0

Year	Registration						
	Category	Plate Numbers			Type		
		From	To	Total	Motor Vehicle	Motor Cycle	Plant
	PT	4741	5052	312	200	112	0
	CW	6775	6787	13	0	0	13
	MT	409	424	8	8	0	0
	UT	333	369	16	16	0	0
	ZT	112	126	15	15	0	0
	01JU	172	187	16	13	2	1
	02JU	342	547	206	180	0	26
	03JU	249	287	37	37	0	0
	04JU	583	786	204	72	115	17
	Total			7,661			
Key: STL – Government; DFPA – Donor Fund Project; STA – State; PT – Police Tanzania; MT – Magereza Tanzania; UT – Uhamiaji Tanzania; ZT – Zimamoto Tanzania; CW - Plant ; JU-Jeshi la Uhifadhi							

Source: MoW, 2023

3.3 Tanzania Building Agency

Tanzania Building Agency (TBA) is the Government's Executive Agency under the Ministry of Works of Works with a primary mandate of providing quality accommodation to Government and Public Servants as well as building consultancy services to the Government. The Agency was established in May 2002 in accordance with the Executive Agencies Act No. 30 of 1997. A list of Government Houses and Plots countrywide owned by TBA is indicated in **Table 12**.

Table 12: Number of Government Houses and Plots Countrywide as of December, 2023

S/N.	REGION	PLOT S	PUBLIC SERVANT HOUSES	COMMER CIAL HOUS ES	TIED QUARTERS (NYUMBA ZA VIONGOZI)	REST HOUSE	STATE LODGES	WORKS HOP	EX-TAMISE MI HOUSES
1	Arusha	118	66	88	19	2	3	1	11
2	Dar es Salaam	414	222	183	85	1	8	2	556
3	Dodoma	409	1010	39	18	16	6	1	78
4	Geita	20	5	1	5	0	0	0	44
5	Iringa	162	49	13	12	1	3	1	132
6	Kagera	96	57	11	21	2	3	2	184
7	Katavi	11	19	0	0	0	1	0	33
8	Kigoma	115	30	11	21	4	1	0	121

9	Kilimanjaro	133	43	45	21	3	1	1	183
10	Lindi	91	105	3	18	5	1	1	79
11	Manyara	135	41	0	13	5	0	0	61
12	Mara	83	48	1	14	1	2	1	102
13	Mbeya	39	31	35	24	2	0	1	17
14	Morogoro	437	34	8	27	2	0	1	152
15	Mtwara	192	37	51	25	5	2	2	183
16	Mwanza	314	224	51	16	8	1	2	255
17	Njombe	56	17	2	9	1	3	0	63
18	Pwani	71	23	11	19	1	0	0	93
19	Rukwa	82	39	33	10	2	0	0	0
20	Ruvuma	102	29	5	18	7	1	1	73
21	Shinyanga	132	47	9	18	2	3	0	78
22	Simiyu	60	13	1	8	3	0	0	19
23	Singida	105	16	4	17	2	1	0	119
24	Songwe	16	6	0	0	0	0	0	70
25	Tabora	82	25	5	16	2	1	1	105
26	Tanga	397	146	78	27	3	2	1	612
GRAND TOTAL		3,872	2,382	688	481	80	43	19	3,423

Source: TBA, 2023

3.4 Roads Fund Board

Roads Fund Board (RFB) is responsible for disbursing funds which are used in maintenance activities related to road works for both National Roads and District Roads. Parliament of the United Republic of Tanzania enacted the roads Tolls (amendment) (No.2) Act. 1998 which established the road Fund and the Roads Fund Board. The Act was revised in the years 2006 and is now referred to as the road and Fuel Tolls Act, CAP 220 (Revised edition 2006).

The purpose of the Roads Fund is to provide an adequate and stable flow of funds for road maintenance and rehabilitation and to enhance the transparency between revenues collected from road users and the spending on the road network. It would further provide a direct linkage between the road users and the road agencies that are spending the money to provide an agreed service.

3.4.1 Road Maintenance Activities

Road maintenance means all works carried out to preserve the various components of a road in the required condition in order to provide safe and effective passage to the road users. The components (maintenance scope) include the pavement, shoulders, drainage, road signs, structures and ancillary works.

(i) Routine Maintenance

This term incorporates all the activities previously defined separately as routine and recurrent maintenance. The term routine maintenance shall therefore mean all maintenance works required continuously or at intervals on every road whatever its engineering characteristics or traffic volume, and comprises of activities such as grass cutting, drain cleaning, culvert and bridge cleaning and – maintenance, road furniture and bridge guide rails maintenance, paved road patching, edge repair, crack sealing, and line remarking, and also unpaved road grading, shaping, and pothole repairs.

(ii) Bridge Maintenance

The term bridge maintenance means localized maintenance works on bridges that aim to repair or restore the bridge and its various components to the original specification. Upgrading by widening or improving a bridge beyond its original design shall be included under Development activities.

(iii) Spot Improvement

The term spot improvement means localized maintenance works carried out on short sections (typically 1 km or less) of roads in order to ensure a reasonable level of pass ability, and comprises of activities such as road surface repairs, embankment repairs, culvert and drainage repairs, localized road reshaping and re-gravelling, and the construction of diversion. Spot improvement is usually done due to the excessively poor condition of a road over a short section that threatens the flow of traffic. Spot improvement can be used on both paved and unpaved roads; and includes some works previously defined as emergency maintenance.

(iv) Emergency Maintenance

The term emergency maintenance means all maintenance activities required to open or repair roads, bridges and other parts of the road infrastructure after a natural or other unforeseen disaster like fire, major accidents that cause damage to the road and natural events like floods. Repairs to roads and bridges that have deteriorated over time cannot be included in this category.

(v) Periodic Maintenance

The term periodic maintenance works carried out at intervals of several years. Some activities included here are also referred to as preventative maintenance. Typical activities on paved roads include resealing, overlays of less than 100 mm, fog sprays and shoulder re-forming. Pavement layer reconstruction or the addition of a pavement layer must not be included here, but under rehabilitation. The maintenance needs for the road related activities has been always bigger compared to the budgeted funds every year which on turn create a big financing gap both routine maintenance and periodic maintenance as shown in the **Table 13** and **Table 14** respectively.

Table 13: Trend Level of Maintenance Coverage of Routine Maintenance Needs for the financial year 2019/20 to 2022/23

Financial Year	2018/19	2019/20	2020/21	2021/22	2022/23
Routine Maintenance Needs (in TZS. Billion)	245.52	320.92	175.91	217.17	359.49
Routine Maintenance Budget (in TZS. Billion)	183.96	190.16	167.14	197.14	207.57
Percentage Coverage	74.0	59.4	95	90.78	57.7

Source: RFB, 2023

Figure 3: Routine Maintenance Needs Against Budget and Percentage Coverage

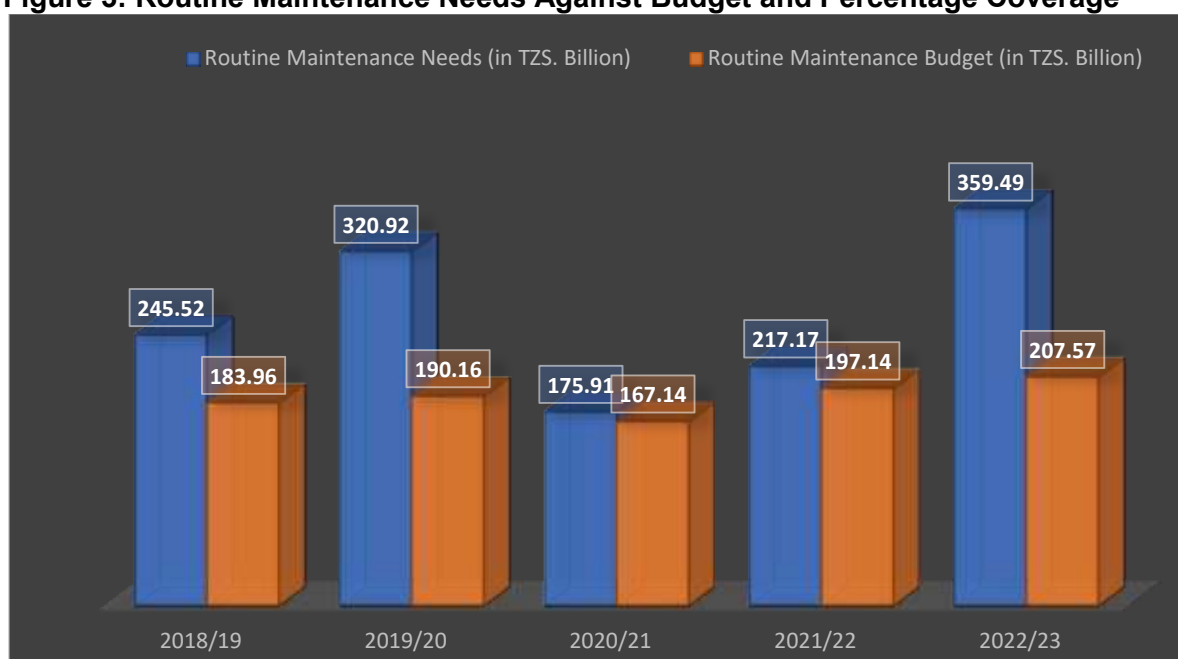
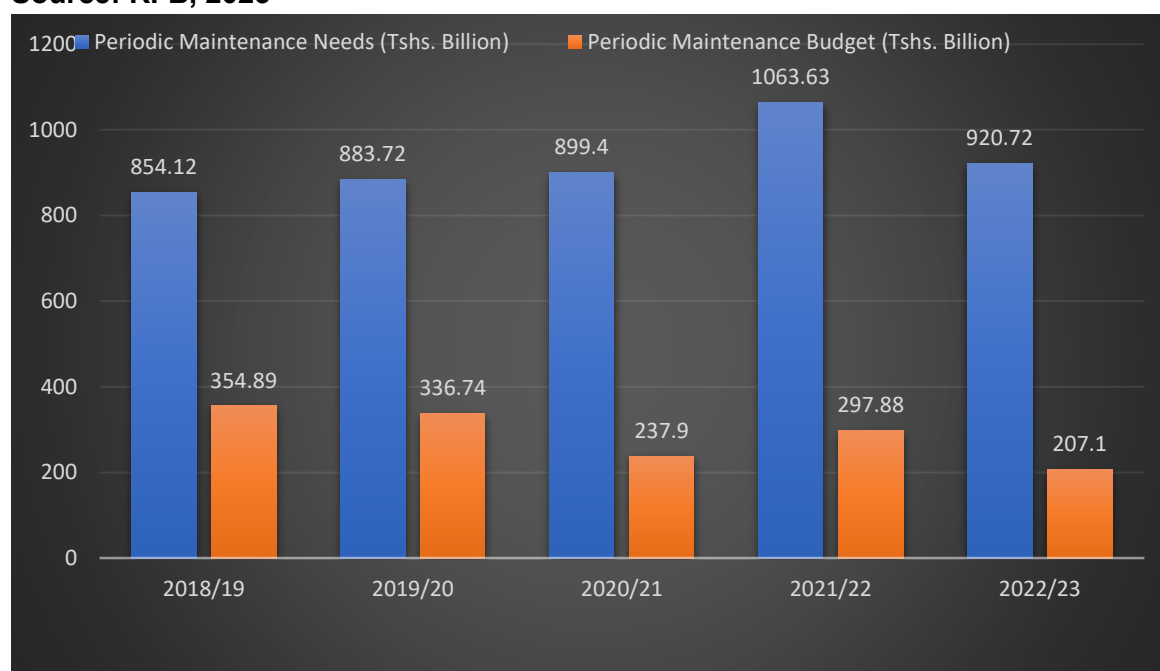


Table 14: Trend of Percentage Coverage of Periodic Maintenance Needs for the financial year 2019/20 to 2022/23

Financial Year	2018/19	2019/20	2020/21	2021/22	2022/23
Periodic Maintenance Needs (Tshs. Billion)	854.12	883.72	899.4	1063.63	920.72
Periodic Maintenance Budget (Tshs. Billion)	354.89	336.74	237.90	297.88	201.88
Percentage Coverage	41.5	38.1	26.5	28.01	22

Source: RFB, 2023

Figure 4: Periodic Maintenance Needs Against Budget and Percentage Coverage
Source: RFB, 2023



3.5 Contractors Registration Board

The Contractors Registration Board (CRB) is a Government Regulatory Board under the Ministry of Works established by Act of Parliament No 17 of 1997 with the objective to register and regulate all types of Contractors and to promote the development of their capacities for the purpose of protecting consumers of construction services in Tanzania.

Table 15: Number of Registered Contractors by Type and Class as of December 2023

Type	Class									Total
	I			II	III	IV	V	VI	VII	
	L	F	Total							
Building	125	60	185	132	98	424	1326	1377	1871	5413
Civil Works	86	51	137	95	123	429	1243	2108	1316	5451
Electrical	51	38	89	63	28	166	335	185	433	1299
Mechanical	10	19	29	15	8	46	88	94	85	365
Specialist Building	9	7	16	8	11					35
Specialist Civil	21	28	49	85	1246					1380
Specialist Electrical	65	37	102	240	256					598
Specialist Mechanical	67	48	115	156	276					547

Subtotal - Permanent	434	288	722	794	2046	1065	2992	3764	3705	15088
Temporary	116	293	409	52	80	102	91	17	2	753
GRAND TOTAL	550	581	1131	846	2126	1167	3083	3781	3707	15841

Source: CRB, 2023

Table 16: Number of Registered Contractors by Type, -Annually

Years/ Type	Buildings	Civil works	Electrical	Mechanical	Specialists	Temporary Contractors
2019	226	255	72	25	225	117
2020	234	251	73	27	243	79
2021	229	284	91	28	236	76
2022	360	430	109	37	305	100
2023	499	629	136	50	391	102

Source: CRB, 2023

Table 17: Cumulative Number of Registered Building Contractors by Class

Class	2019	2020	2021	2022	2023
I	164	135	146	161	185
II	59	60	79	100	132
III	77	67	73	84	98
IV	312	326	346	380	424
V	918	982	1037	1141	1326
VI	912	994	1080	1218	1377
VII	1649	1761	1793	1830	1871
TOTAL	4091	4325	4554	4914	5413

Source: CRB, 2023

Table 18: Number of Registered Building Contractors

Class	2019	2020	2021	2022	2023
I	7	3	11	15	24
II	4	9	19	21	32
III	6	3	6	11	14
IV	21	23	20	34	44
V	73	66	55	104	185
VI	73	81	86	138	159
VII	42	49	32	37	41
TOTAL	226	234	229	360	499

Source: CRB, 2023

Table 19: Cumulative Number of Civil Contractors by Class

Class	2019	2020	2021	2022	2023
I	134	94	101	108	137

II	30	29	43	61	95
III	76	70	80	101	123
IV	301	309	336	368	429
V	805	857	927	1048	1243
VI	1397	1504	1639	1841	2108
VII	1210	1245	1266	1295	1316
Total	3953	4108	4392	4822	5451

Source: CRB, 2023

3.6 Engineers Registration Board

Engineers Registration Board (ERB) is a statutory body established under the Act of Parliament No. 15 of 1997 as amended by the Engineers Registration Act No. 24 of 2007.

The function of ERB is to regulate and monitor engineering practice in Tanzania through promotion of engineering excellence among local engineers, engineering technicians and engineering consulting firms with a view to enhance their competitiveness and professionalism in the engineering practice"

Table 20: Number of Engineering Consulting Firms Registration by Category as of December, 2023

Category	2019	2020	2021	2022	2023
Local firm	10	17	8	15	5
Foreign Firm	6	5	3	5	2
Total	16	22	11	20	7

Source: ERB, 2023

Table 21: Registration of Engineers by Discipline as of December, 2023

Discipline	Category							Total	%
	GIE	GE	IE	PE	TPE	CE	TCE		
Civil	0	1040	0	502	120	12	9	1683	54.23%
Mechanical/industrial/ Automobile	0	207	0	78	20	5	0	310	9.99%
Electrical	0	450	0	70	50	3	0	573	18.5%
Electronics & Telecommunications	0	76	0	34	0	0	0	110	3.54%
Environmental	0	55	0	48	0	2	0	105	3.38%
Mining/Mineral/ Processing/ Petroleum/Oil and Gas	0	23	0	26	1	0	0	175	5.63%
Aeronautical/Aircraft		0		0				0	0%
Agricultural/Irrigation & Water Resources	0	31	0	46	0	0	0	77	2.48%
Chemical & Process	0	15	0	15	0	2	0	32	1%
Marine	14	2	2	0	0			10	0.32%

Discipline	Category							Total	%
Computer & IT/Software		9		12	0	0		21	0.7%
Textile		0		0	0	0		0	0%
Geotechnical/Geology		0		0	0	0	0	0	0%
Food and Biochemical		0		0	0	0	0	0	0%
Electromechanical		7	0	0	0	0	0	7	0.22%
Biomedical		0						-	0.0%
TOTAL	14	1915	2	831	191	24	9	3103	100%

Source: ERB, 2023

Table 22: Registered Engineering Consulting Firms as of December, 2023

Category 1: Local Engineering Consulting Firms

SN	Discipline	Number of Registered firms				
		2019	2020	2021	2022	2023
1	Civil/Structural/Water/Geo-tech	6	13	6	10	8
2	Mechanical/Electrical/Electromechanical	4	3	1	3	3
3	Telecommunication & ICT/Computer	0	0	0	0	2
4	Environmental	0	1	1	0	0
	Mining/Petroleum/Oil & Gas	0	0	0	0	1
	Total	10	17	8	13	14

Source: ERB, 2023

Category 2: Foreign Engineering Consulting Firms

SN	Discipline	Number of Registered firms				
		2019	2020	2021	2022	2023
1	Civil	5	2	3	2	4
2	Mechanical/Electrical/Electromechanical	1	2	1	1	1
3	Telecommunication & ICT/Computer	0	1	0	0	0
4	Environmental	0	0	0	0	0
	Mining/Petroleum/Oil & Gas	0	0	1	0	1
	Total	6	5	5	3	6

Source: ERB, 2023

Category 3: Total Local and Foreign Firms, (2019 -2022)

SN	Discipline	Number of Registered firms				
		2019	2020	2021	2022	2023
1	Civil	11	15	9	12	12
2	Mechanical/Electrical/Electromechanical	5	5	2	4	4
3	Telecommunication & ICT/Computer	0	1	0	0	0
4	Environmental	0	1	1	0	0
5	Mining/Petroleum/Oil& Gas	0	0	1	0	0
	Total	16	22	13	16	16

Source: ERB, 2023

3.7 Architects and Quantity Surveyors Registration Board (AQRB)

Architects and Quantity Surveyors Registration Board was established by the Architects and Quantity Surveyors (Registration) Act No 16 of 1997, which was repealed and replaced by Act No 4 of 2010; and among its activities is to register and regulate conducts of Architects, Quantity Surveyors, Interior Designers, Landscape Architects, Conservation Architects, Naval Architects, Furniture Architects, Building Surveyors and Construction Managers.

Table 23: Professional Registered Architects, Interior Designers, Landscape Architect, Quantity -Surveyors, Building Surveyors Construction Managers, Project Manager and Practicing Firms– Cumulatively as of 31st December, 2023
Registered Architects, Interior Designers, Landscape Architects, Architectural Technologists, Quantity Surveyors, Building Surveyors, Construction Managers, Project Managers and Practicing Firms– Cumulatively as on 31st December, 2023

Year	Architects			Quantity Surveyors			Building Surveyors			Landscape Architects			Interior Designers			Architectural Technologist			Construction Managers			Project Managers		
	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total
2019	486	30	516	497	2	499	21		21	4		4	10		10	11		11	34		34	3		3
2020	507	30	537	543	2	545	23		23	5		5	11		11	11		11	35		35	3		3
2021	549	31	580	637	2	639	24	-	24	6	-	6	17	-	17	15	-	15	35		35	6		6
2022	559	32	591	624	3	627	27	-	27	7	-	7	20	-	20	24	-	24	36	-	36	6	-	6
2023	580	30	610	681	3	684	25	-	25	14	-	14	24		24	37		37	39		39	9		9

Source: AQRB, 2023

Year	Architectural firms			Quantity Surveying firms			Architectural Technology firm			Interior Design firm		
	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total
2023	276	4	280	152	1	153	5	-	5	1	-	1

Table 24: Registered Graduate Architects; Graduate Interior Design; Graduate Landscape Architects; Graduate Quantity Surveyors; Graduate Building Surveyors; Graduate Construction Managers; Graduate Architectural Technicians; Graduate Architectural Draughtsman and Graduate Architectural Technologists

Year	Graduate Architects	Graduate Interior Design	Graduate Landscape Architects	Graduate Quantity Surveyors	Graduate Building Surveyors	Graduate Construction Managers	Graduate Architectural Technicians	Graduate Architectural Draftsman	Graduate Architectural Technologists
2019	179	16	10	198	23	27	23	19	50
2020	213	26	18	265	25	31	23	19	76
2021	247	34	21	380	25	33	23	19	99
2022	273	34	22	445	27	33	25	20	117
2023	109	14	22	396	3	8	31	20	133

Source: AQRB, 2023

3.8 National Construction Council

National Construction Council (NCC) is a body corporate established under the National Construction Council Act of 2008, Chapter 162. The functions of the Council is to promote and provide strategic leadership for the growth, development and expansion of the construction industry in Tanzania with emphasis on the development of the local capacity for social-economic development and competitiveness in the changing global environment.

Table 25: Price Fluctuation Formula Indices for Building Works from January 2022 to December 2023

Date	Labour	Cement	Reinforcement	Aggregate	CI Sheets	Z'purlins	Softwood	Hardwood	Emulsion paint	Galvanised steel pipe	Fuel [Diesel]	PFFC	IC= (100xPFFC) + 100
	Lc	Cc	Rc	AG c	Gic	Zc	SWc	HWc	Pc	Gc	Fc		
Jan. 2022	83.3744	8.2397	7.9767	5.2412	5.7483	5.3981	4.5122	4.1438	0.3749	0.6750	6.1800	131.8643	13286.43
Feb	83.3744	8.2397	7.9767	5.2412	5.7483	5.3981	4.5122	4.1438	0.3749	0.6750	6.2147	131.8990	13289.90
March	83.3744	8.2397	9.1432	5.2412	5.7483	7.2114	4.5122	4.1438	0.3749	0.6750	6.3880	135.0521	13605.21
April	83.3744	8.2397	9.1432	5.2412	5.3711	7.3468	4.5122	4.1438	0.3749	0.4816	7.1587	135.3876	13638.76
May	83.3744	8.2397	10.2038	5.2412	5.3711	7.3821	4.7446	3.8354	0.3749	0.4581	8.6680	137.8932	13889.32
June	83.3744	8.2397	9.9386	6.5622	5.4906	7.3821	4.7446	4.6065	0.3749	0.4580	8.3293	139.5010	14050.10
July	83.3744	8.6527	9.8503	5.2412	5.4906	7.5960	4.7446	4.2490	0.3749	0.4766	8.3613	138.4115	13941.15
Aug	83.3744	8.6527	9.8503	5.2412	5.3711	7.4035	4.7446	4.9135	0.3749	0.4580	8.8387	139.2228	14022.28
Sept	83.3744	8.6527	9.8503	5.2412	5.3711	7.4035	4.7446	4.2497	0.3749	0.4580	8.3133	138.0337	13903.37
Oct	83.3744	8.6527	8.9665	5.2412	4.6247	6.1254	4.7446	4.5389	0.3749	0.4766	8.2013	135.3212	13632.12
Nov	83.3744	8.6527	8.7897	5.9017	4.6852	6.1254	4.7446	4.5389	0.3749	0.4766	8.1187	135.7828	13678.28
Dec	83.3744	8.6527	8.7897	5.2412	4.6247	6.1254	4.7446	4.5389	0.3749	0.4766	8.6387	135.5818	13658.18
Jan.2023	103.6573	8.9280	8.6130	5.2412	4.6247	6.1254	4.7446	4.5389	0.3749	0.4766	8.7667	156.0912	15709.12
Feb	103.6573	8.9280	8.4362	5.2412	4.6247	6.1254	4.7446	4.5389	0.3749	0.4766	8.2600	155.4078	15640.78
March	103.6573	8.9280	8.6130	5.2412	4.6247	4.0930	4.7446	4.9135	0.1823	0.4766	8.3267	153.8008	15480.08
April	103.6573	8.9280	8.7897	5.2412	4.3770	4.9720	4.7446	4.5389	0.1823	0.4766	7.5720	153.4797	15447.97
May	103.6573	8.9280	8.7897	5.2412	4.3770	4.9717	4.7446	4.5389	0.1823	0.8248	7.6360	153.8915	15489.15
June	103.6573	8.9280	8.4362	5.2412	4.4124	5.4349	4.7446	4.5389	0.1608	0.8248	7.0787	153.4578	15445.78
July	103.6573	9.6164	8.4362	5.2412	4.0894	5.2386	4.7446	4.5389	0.1608	0.8248	6.7640	153.3122	15431.22
Aug	103.6573	9.6164	8.6130	5.2412	4.4135	5.8976	4.7446	4.5389	0.1608	0.8248	7.8067	155.5147	15651.47
Sept	103.6573	9.6164	8.4362	5.2412	4.4499	5.1993	4.7446	5.2926	0.1608	0.8248	8.6707	156.2938	15729.38

Oct	103.6573	10.1326	8.4362	5.2412	4.5833	6.0074	5.2349	5.2926	0.1608	0.8248	9.1747	158.7459	15974.59
Nov	103.6573	9.6164	8.4362	5.2412	4.9149	5.2916	4.9720	5.2926	0.1608	0.8248	8.9773	157.3851	15838.51
Dec	103.6573	9.6164	8.4362	5.2412	4.9088	5.2916	4.9720	5.2926	0.1608	0.8248	8.5827	156.9844	15798.44

Source: NCC, 2023

3.9 Institute of Construction Technology (ICoT)

The Ministry of Works has established the Institute of Construction Technology (ICoT) registered with NACTE with registration number REG / SAT / 035. The institute was established by merging the former Morogoro Works Training Institute (MWTI) with the Appropriate Technology Training Institute (ATTI) of Mbeya under the Ministry of Works. The headquarters of this Institute (Main Campus) is located in Morogoro where the Morogoro Works Training Institute (MWTI) and the Branch (Campus) are located in Mbeya.

3.9.1 Number of Students Enrolled in the Academic Year 2023/24

(i) Basic Certificate Courses (NTA LEVEL 4)

S/N	Course Title	Number of Students		
		Male	Female	Total
1	Civil Engineering	26	2	28
2	Electrical Engineering	33	3	36
3	Mechanical Engineering	27	5	32
	TOTAL	86	10	96

Source: ICoT, 2023

(ii) Certificate Courses (NTA LEVEL 5)

S/N	Course Title	Number of Students		
		Male	Female	Total
1	Civil Engineering	10	5	15
2	Electrical Engineering	33	5	38
3	Mechanical Engineering	13	1	14
	TOTAL	56	11	67

Source: ICoT, 2023

(iii) Ordinary Diploma Courses (NTA LEVEL 6)

S/N	Course Title	Number of Students		
		Male	Female	Total
1	Civil Engineering	10	3	13
2	Electrical Engineering	16	1	17
3	Mechanical Engineering	14	1	15
	TOTAL	40	5	45

Source: ICoT, 2023

(iv) Vocational Education and Training (VET)

- First Year

S/N	Course Title	Number of Students		
		Male	Female	Total
1	Auto Electrical	42	2	44
2	Civil Draughting	3	0	3
3	Domestic Electrical Installation	43	07	50
4	Masonry And Bricklaying	3	0	3
5	Motor Vehicle Mechanics	20	0	20
6	Plumbing And Pipe Fittings	24	19	43
7	Road Construction	11	2	13
8	Welding And Metal Fabrications	8	0	8
TOTAL		154	30	184

Source: ICoT, 2023

- Second Year

S/N	Course Title	Number of Students		
		Male	Female	Total
1	Auto Electrical	33	4	37
2	Civil Draughting	4	1	5
3	Domestic Electrical Installation	61	13	74
4	Masonry And Bricklaying	0	0	0
5	Motor Vehicle Mechanics	21	1	22
6	Plumbing And Pipe Fittings	22	23	45
7	Road Construction	3	1	4
8	Welding And Metal Fabrications	2	0	2
TOTAL		146	43	189

Source: ICoT, 2023

- ThirdYear

S/N	Course Title	Number of Students		
		Male	Female	Total
1	Auto Electrical	2	0	2
2	Domestic Electrical Installation	11	6	17
3	Motor Vehicle Mechanics	1	1	2
4	Plumbing And Pipe Fittings	3	2	5
5	Road Construction	1	1	2
	TOTAL	18	10	28

Source: ICoT, 2023

(v) Short Courses

S/N	Course Title	Number of Students		
		Male	Female	Total
1	Basic Motor Vehicle Driving	307	32	339
2	Passenger Services Vehicles – PSV	197	0	197
3	Plant Operator Courses	19	1	20
4	Labour Based Technology training in roadworks for Technician (course no 30)	1	4	5
5	Labour Based Technology training in roadworks for Technician (course no 29)	3	4	7
6	Labour Based Technology training in roadworks for special groups of Youth, women and Elders (In-house special course conducted at ICoT Mbeya Campus)	5	3	8
7	Labour Based Technology training in roadworks for special groups of Youth, women and Elders (Mobile special course conducted in Dodoma)	24	17	41
8	Labour Based Technology training in roadworks for special groups of Youth, women and Elders (Mobile special course conducted in Njombe)	117	25	142
9	Labour Based Technology training in roadworks for special groups of Youth, women and Elders (Mobile special course conducted in Mbinga)	6	11	17
10	Labour Based Technology training in roadworks for special groups of Youth, women and Elders (Mobile special course conducted in Mpanda)	22	36	58
11	Labour Based Technology training in roadworks for special groups of Youth, women and Elders (In-house special course conducted at ICoT Mbeya Campus)	7	17	24
	TOTAL	708	150	858

Source: ICoT, 2023

3.10 The Corporations Sole Works Superintendent

Corporation Sole Works Superintendent was established by an act of Parliament of the United Republic of Tanzania, no. 23 of 1974 and President's Order, the Corporation sole (Works Superintendent) order, of 1976 by Government Notice No. 26 published on 13 February, 1976.

This is a semi-autonomous construction department in relation to the Ministry of Works. It has a legal status of suing or being sued and it operated commercially, pays taxes and has been registered with the Contractors Registration Board in class I for Building and class II for Civil Works. Corporation Sole Works Superintendent (CSWS) is headed by a Works Superintendent as the General Manager reporting to the Permanent Secretary, Ministry of Works.

The functions of Corporation Sole Works Superintendent since its inception is to undertake the construction and maintenance works in maintenance works in commercial basis in Buildings and Civil Works as well as doing all things or acts and undertaking all enterprises connected with or relating with Construction works.

Ongoing Projects as of December, 2023

S/N	Project Name	Project Period	Contract Sum (Tshs. billion)	Status of Work (%)
1.	Construction of office building for President's office Regional Administrative and Local Government (TAMISEMI)	24 Months	20,291,116,856.67 (VAT inclusive)	72%
2.	Construction of office building for Ministry of Works	24 Months	28,749,877,240.12 (VAT inclusive)	72%
3.	Construction of office building for Ministry of Foreign Affairs and East African Cooperation	24 Months	21,940,486,862.12 (VAT inclusive)	72%

Source: CSWS, 2023

CHAPTER FOUR

4.0 LOCAL ROADS

4.1 Tanzania Rural and Urban Roads Agency (TARURA)

The management of District Roads that is, Collector, Feeder and Community roads is under the jurisdiction of President's Office Regional Administration and Local Government (PO-RALG). The District Roads are managed by the recently established Tanzania Rural and Urban Roads Agency (TARURA). This Agency has Council Office in 184 Local Government Authorities which are coordinated by 26 Regional coordination Offices in each Region. The Council Offices are responsible for inventory and condition surveys, planning, prioritization, project design, tendering and supervision of District road maintenance and development works.

The President's Office Regional Administration and Local Government has an oversight function of preparing policies and strategies in cooperation with key stakeholders in the sector, as well as being responsible for coordination and monitoring of the district roads activities in the councils and to provide/coordinate capacity building and advisory support for the councils. Details for Local Road Network are indicated in **Table 26**.

Table 26: Local Roads Network Length (km) as of December, 2023

S/No		Category	Road Type	Length (Km)	Length out of total Local Roads (percent)
	Local Roads	Collector	Paved	1,668.48	1.16
			Unpaved	54,995.60	38.08
		Community	Paved	43.47	0.03
			Unpaved	18,756.03	12.99
		Feeder	Paved	1,512.17	1.05
			Unpaved	67,454.02	46.70
		Total Local Roads			144,429.77

Source: TARURA, 2023

Table 27: Road Condition of District Roads as of December, 2023

Road Class Category	Surface Category	Good		Fair		Poor		Total	
		km	(%)	km	(%)	Km	(%)	km	(%)
Collector	Paved	1,417.90	84.98	200.71	12.03	49.87	2.99	1,668.48	1.16
	Unpaved	20,301.77	36.92	20,411.66	37.12	14,282.17	25.97	54,995.60	38.08
	Sub total	21,719.67	38.33	20,612.37	36.38	14,332.04	25.29	56,664.08	39.23
Community	Paved	24.88	57.23	8.43	19.39	10.16	23.37	43.47	0.03
	Unpaved	3,118.73	16.63	5,879.98	31.35	9,757.32	52.02	18,756.03	12.99
	Sub total	3,143.61	16.72	5,888.41	31.32	9,767.48	51.96	18,799.50	13.02
Feeder	Paved	1,217.20	80.49	225.14	14.89	69.84	4.62	1,512.17	1.05
	Unpaved	15,044.94	22.30	23,906.82	35.44	28,502.25	42.25	67,454.02	46.70
	Sub total	16,262.13	23.58	24,131.96	34.99	28,572.10	41.43	68,966.20	47.75
TOTAL		41,125.41	28.47	50,632.74	35.06	52,671.62	36.47	144,429.77	100

Source: TARURA, 2023

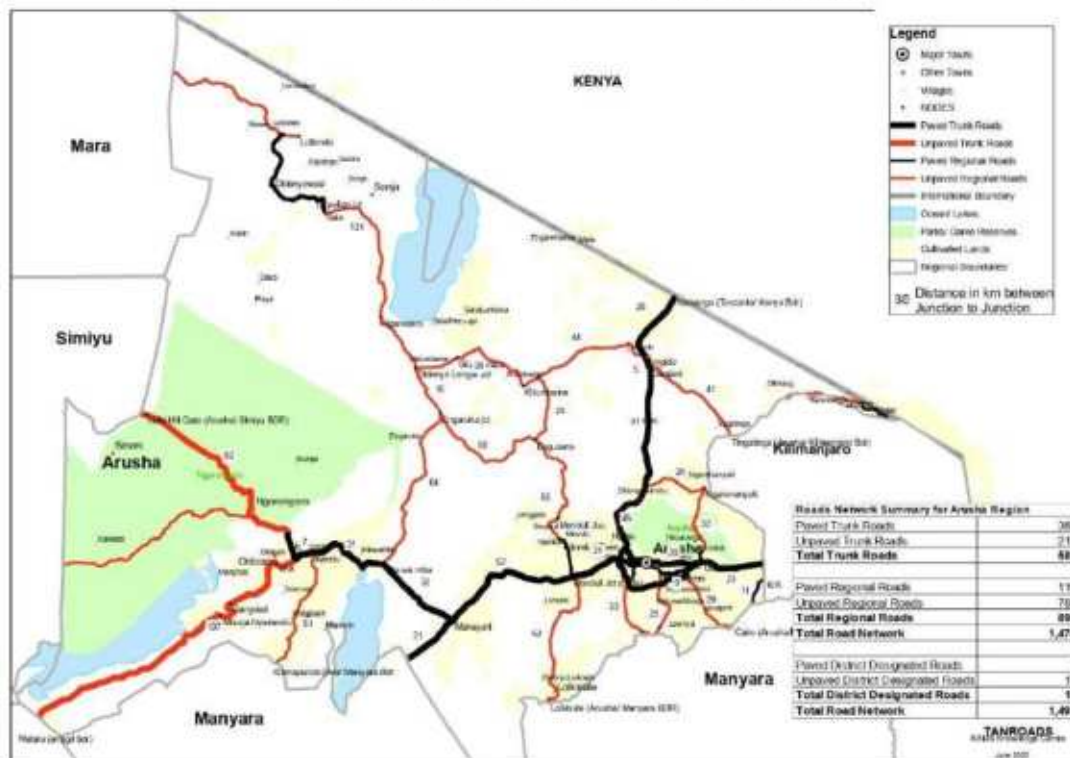
Table 28: Employments Generated During implementation of Development Projects as of December, 2023

Year	Number of employments		Total
	Male	Female	
2019	21,172	2,413	23,585
2020	10,031	1,831	11,862
2021	20,834	3,173	24,007
2022	40,362	7,285	47,647
2023	23,564	2,803	26,367

Source: TANROADS/TEMESA/TBA/CSWS, 2023

ANNEX 2:
Road Network Maps by Region as of February, 2022

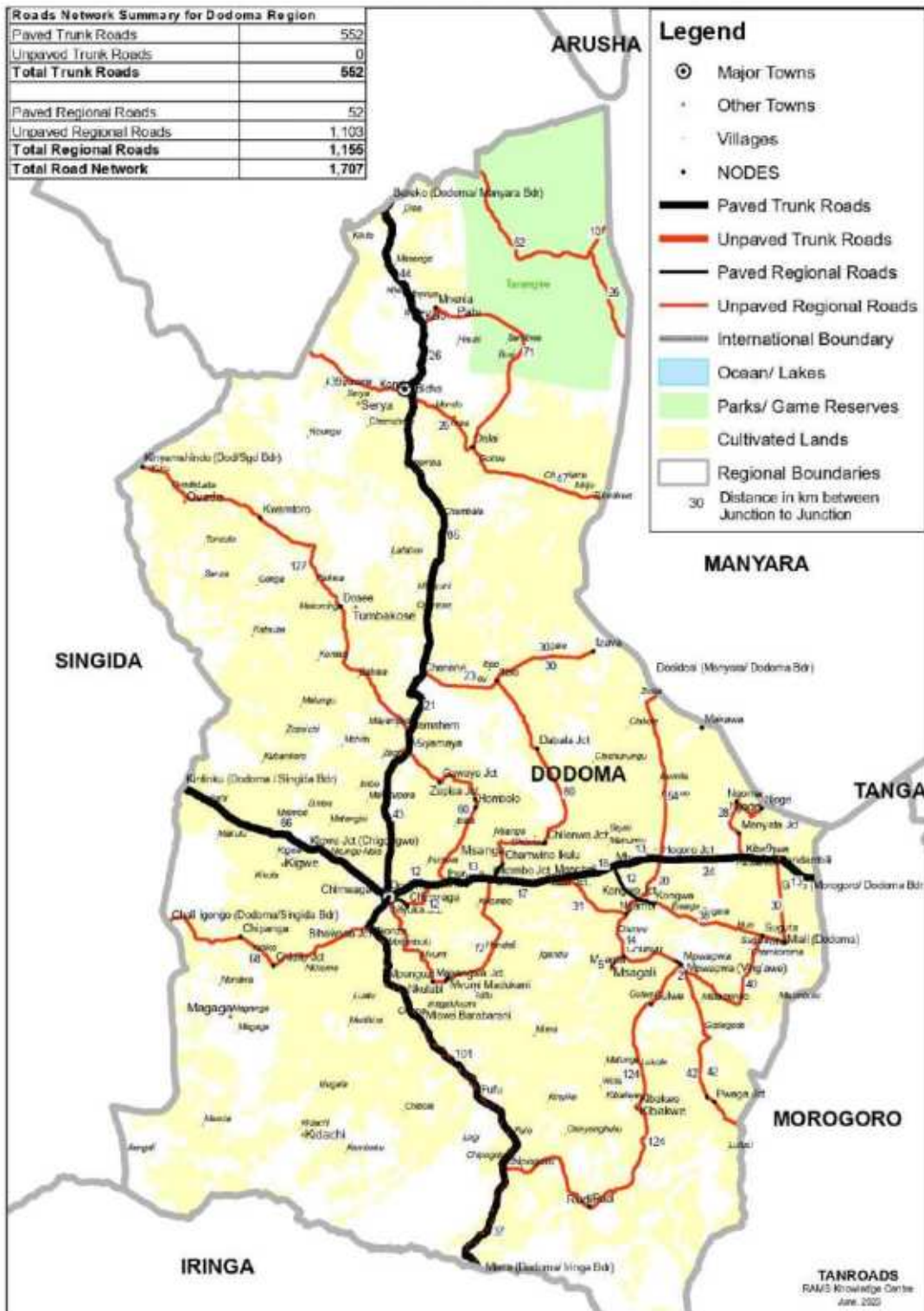
ARUSHA REGION ROADS NETWORK



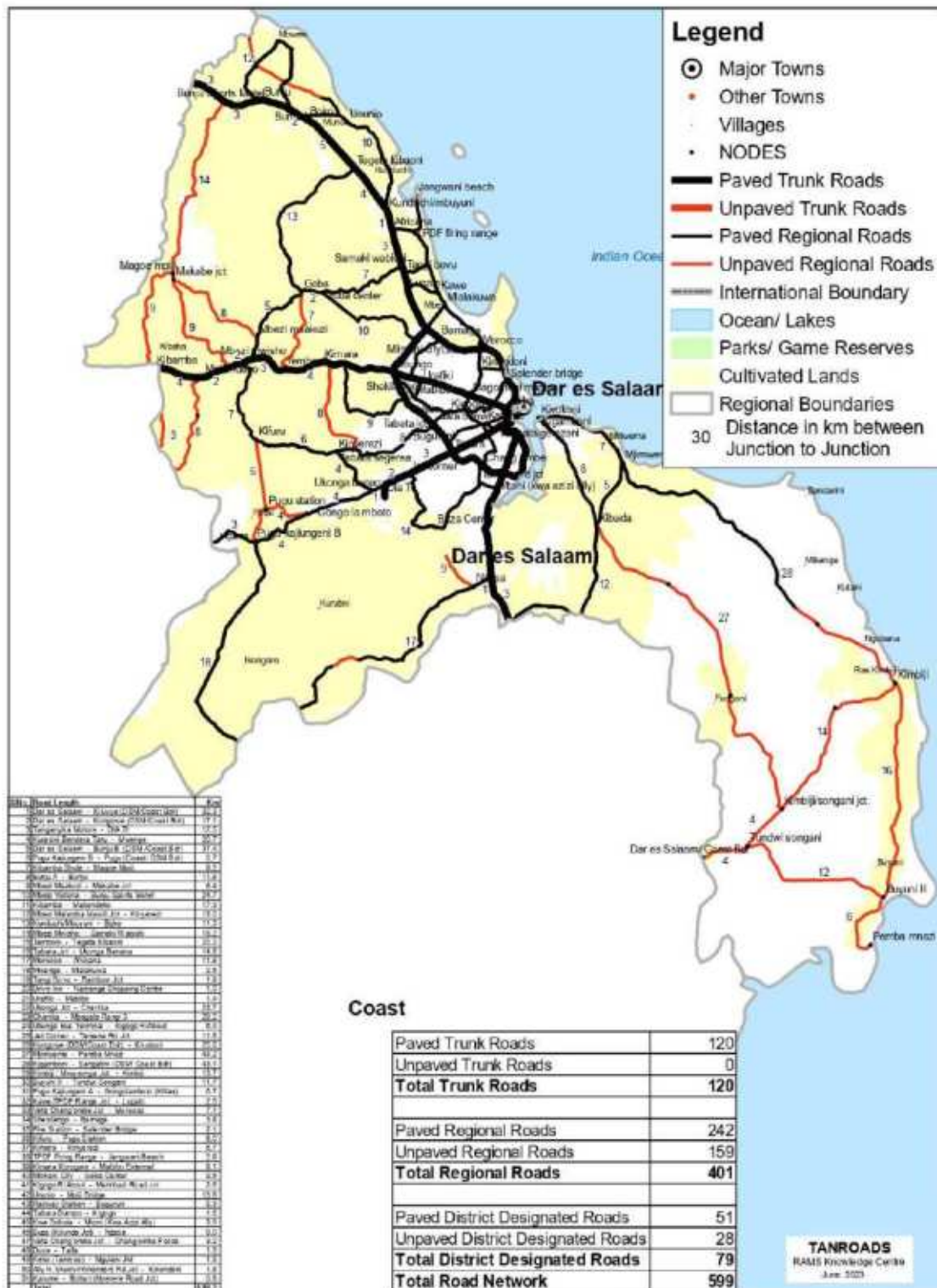
COAST REGION ROADS NETWORK



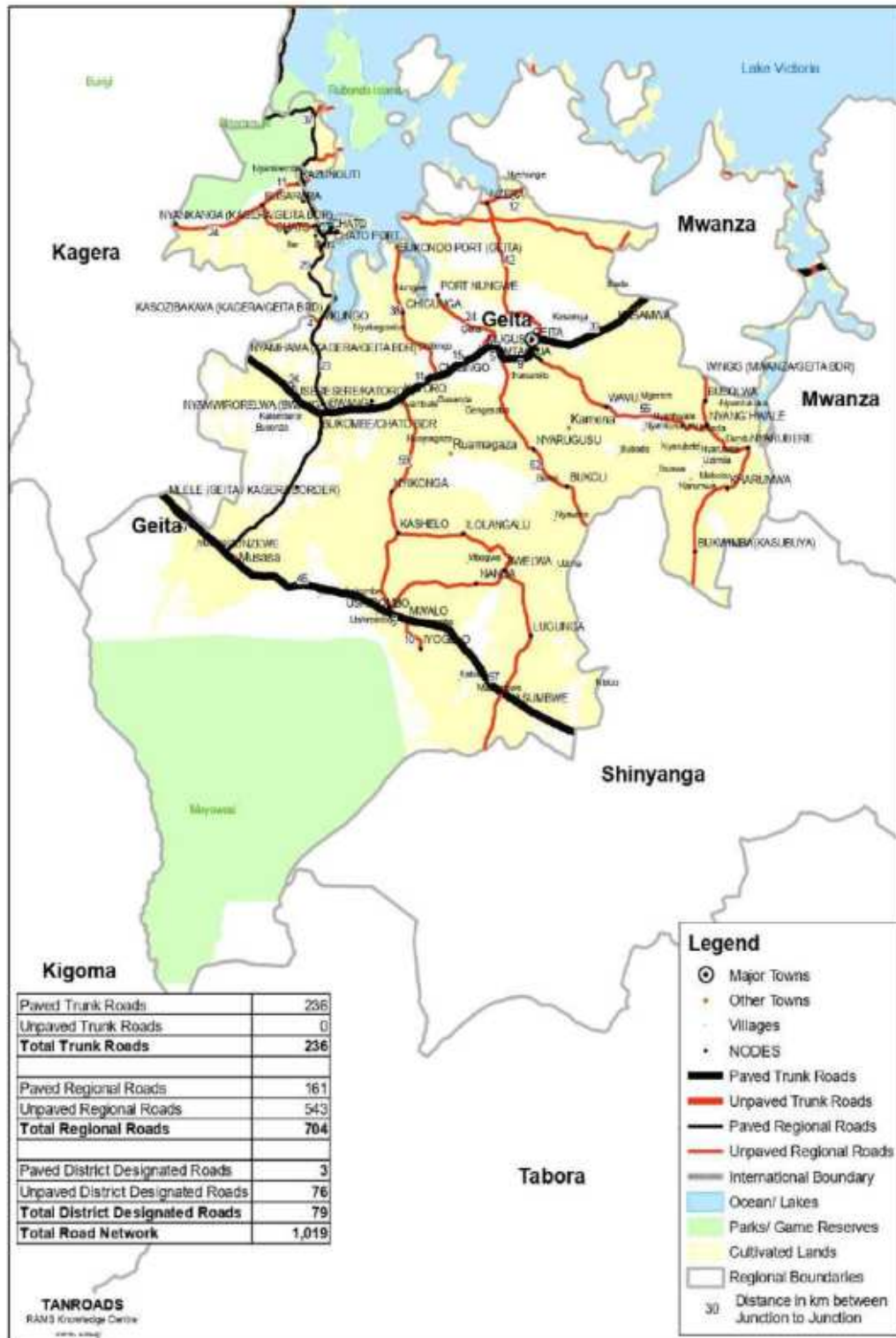
DODOMA REGION ROADS NETWORK



DAR ES SALAAM REGION ROADS NETWORK



GEITA REGION ROADS NETWORK



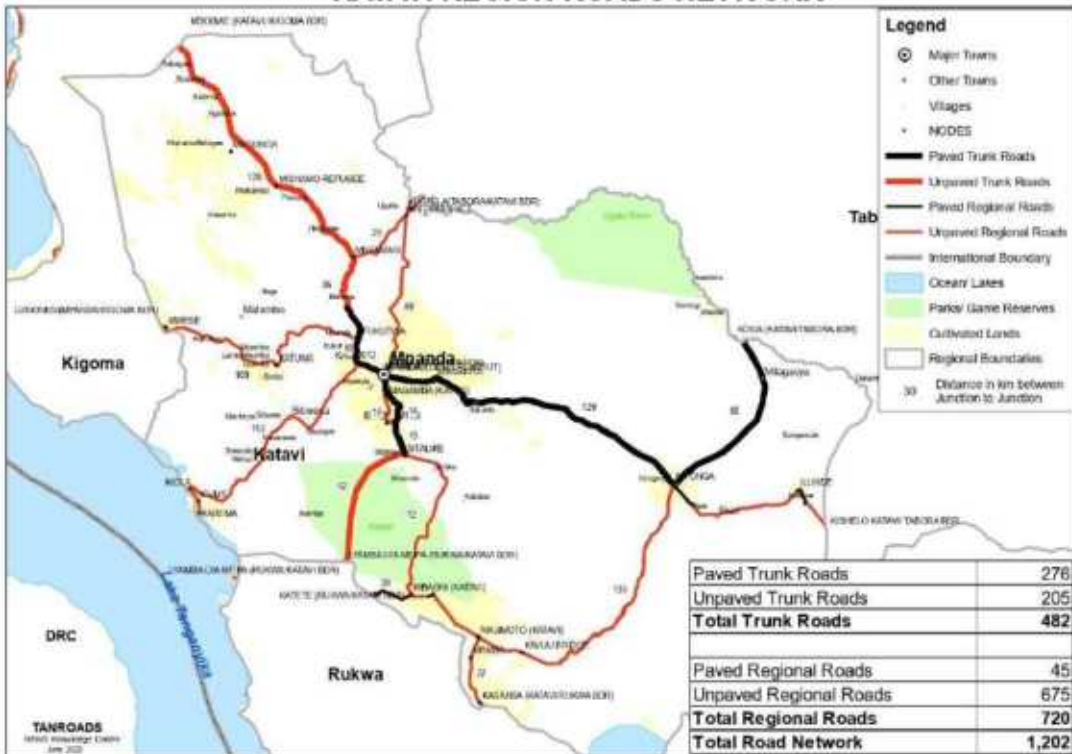
IRINGA REGION ROADS NETWORK



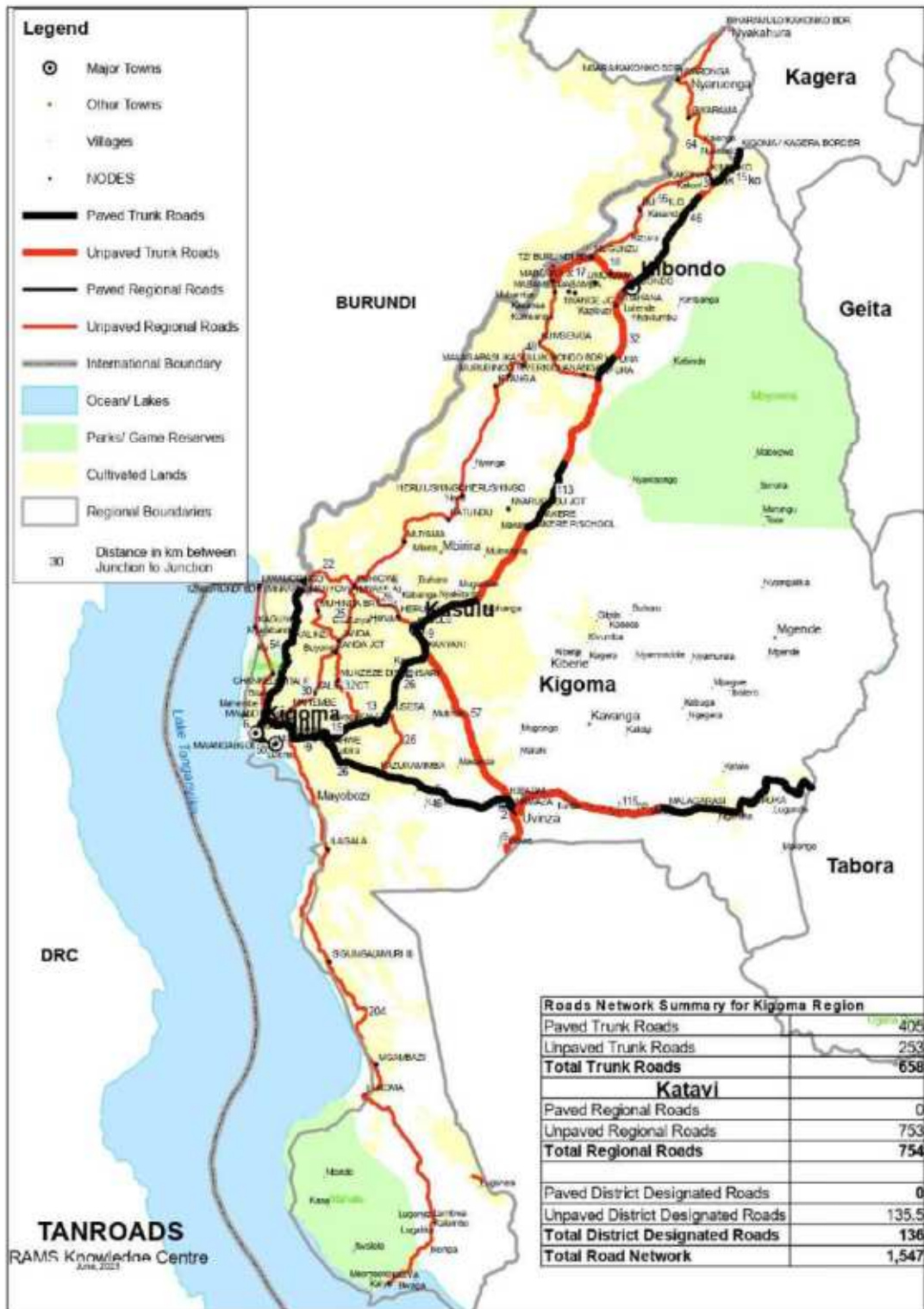
KAGERA REGION ROADS NETWORK



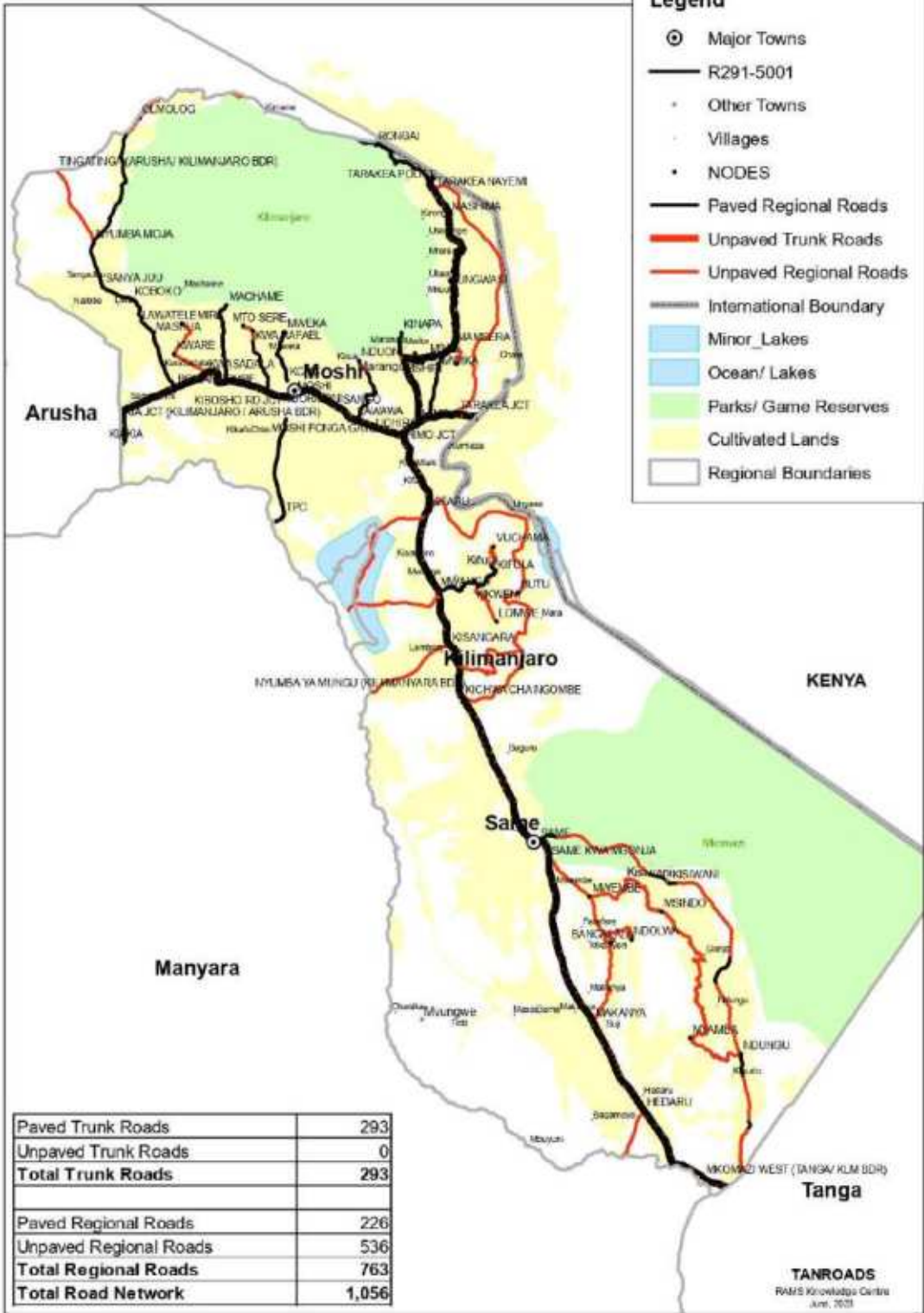
KATAVI REGION ROADS NETWORK



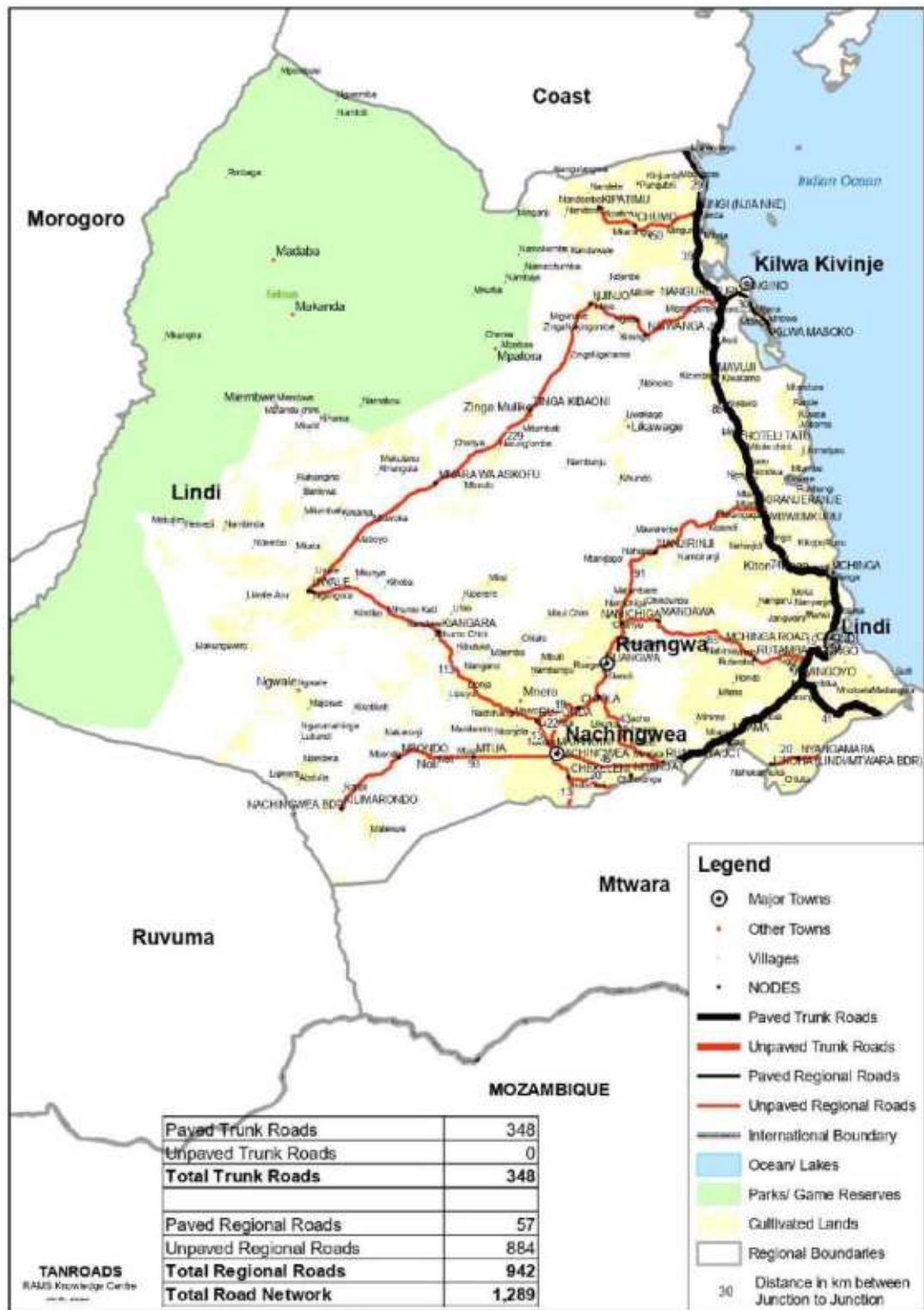
KIGOMA REGION ROADS NETWORK



KILIMANJARO REGION ROADS NETWORK



LINDI REGION ROADS NETWORK



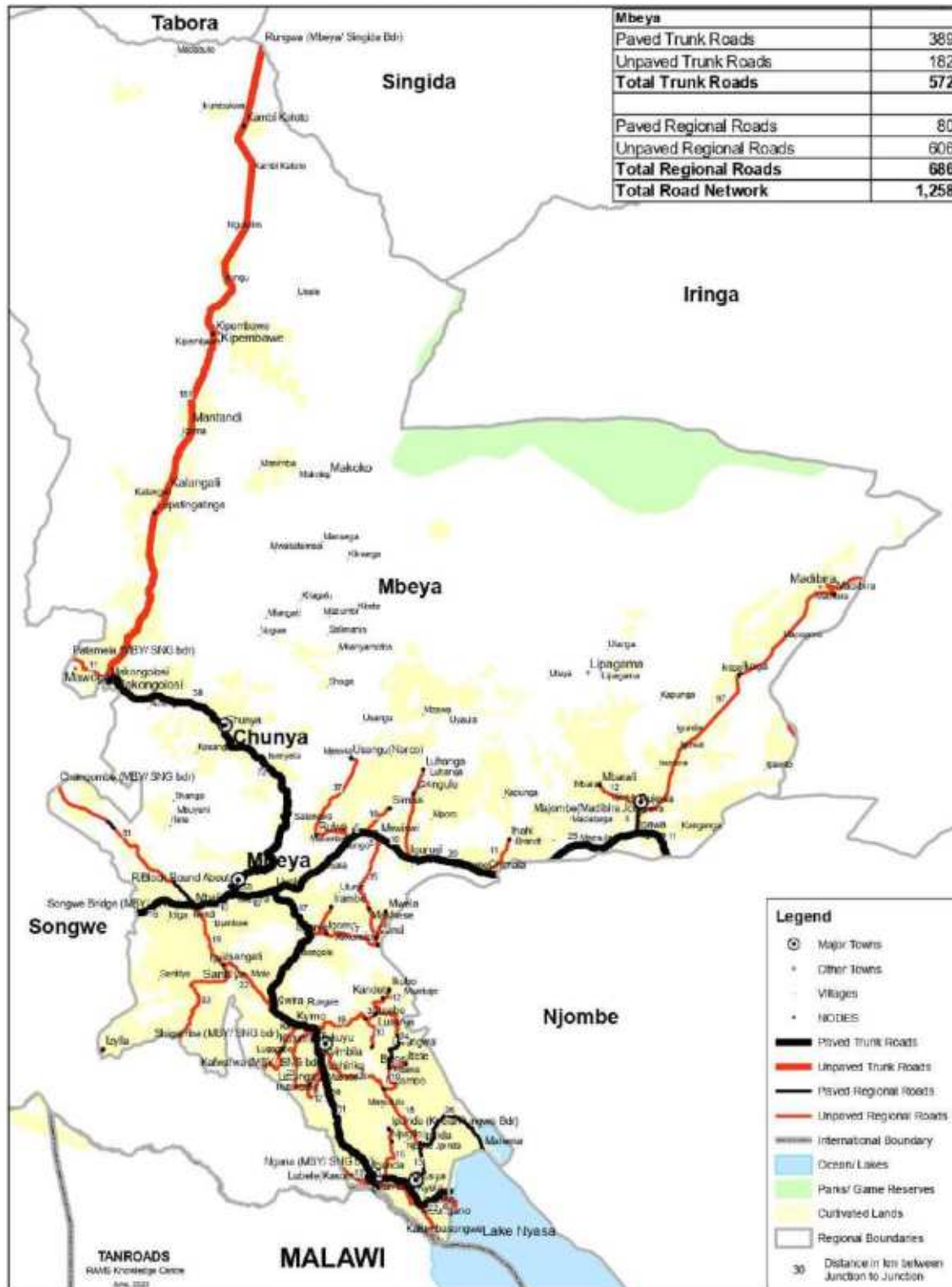
Paved Trunk Roads	207
Unpaved Trunk Roads	0
Total Trunk Roads	207
Paved Regional Roads	52
Unpaved Regional Roads	1,399
Total Regional Roads	1,450
Total Road Network	1,657

TANROADS
Kilimanjaro Region Roads Network
April 2011

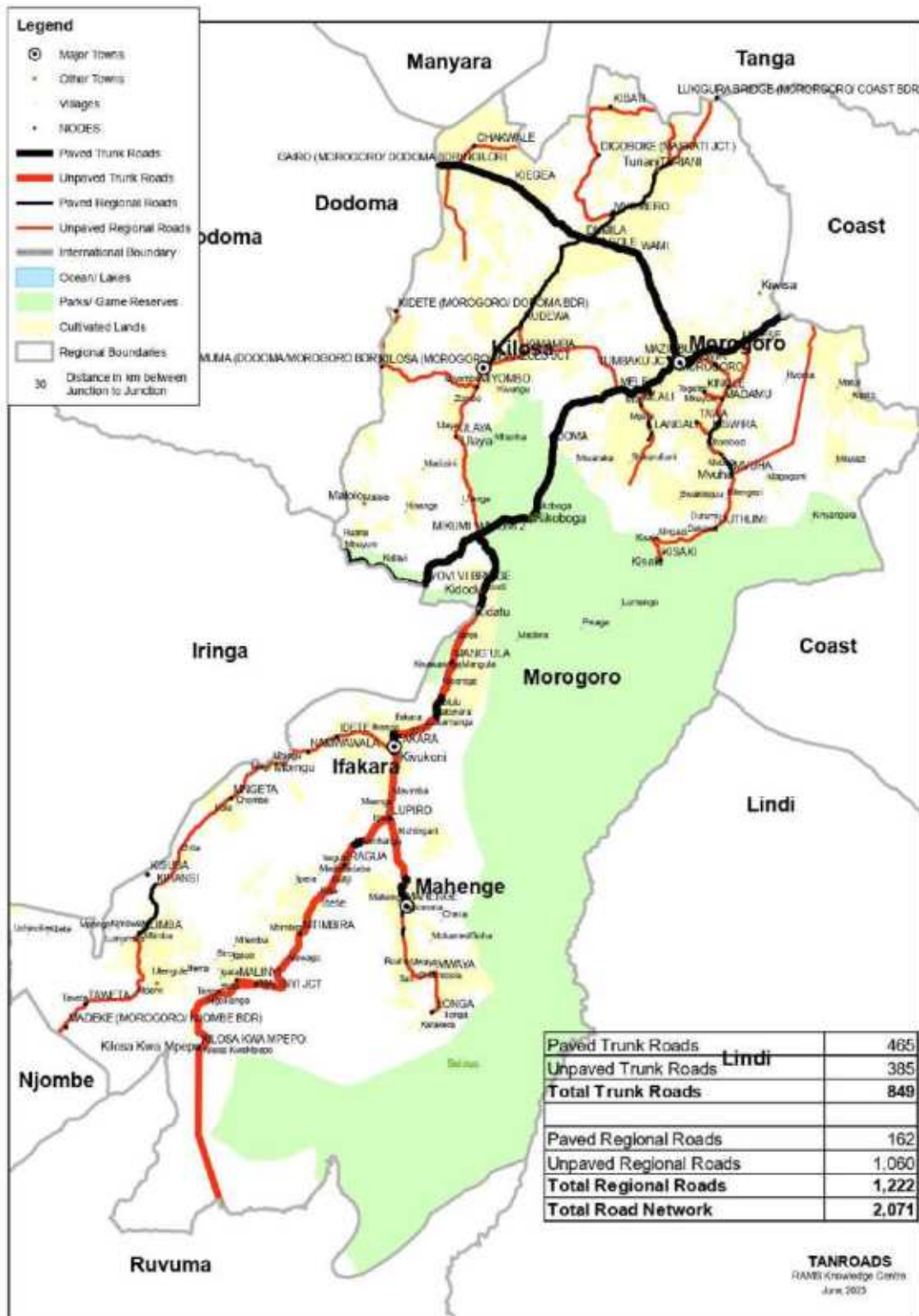
MARA REGION ROADS NETWORK



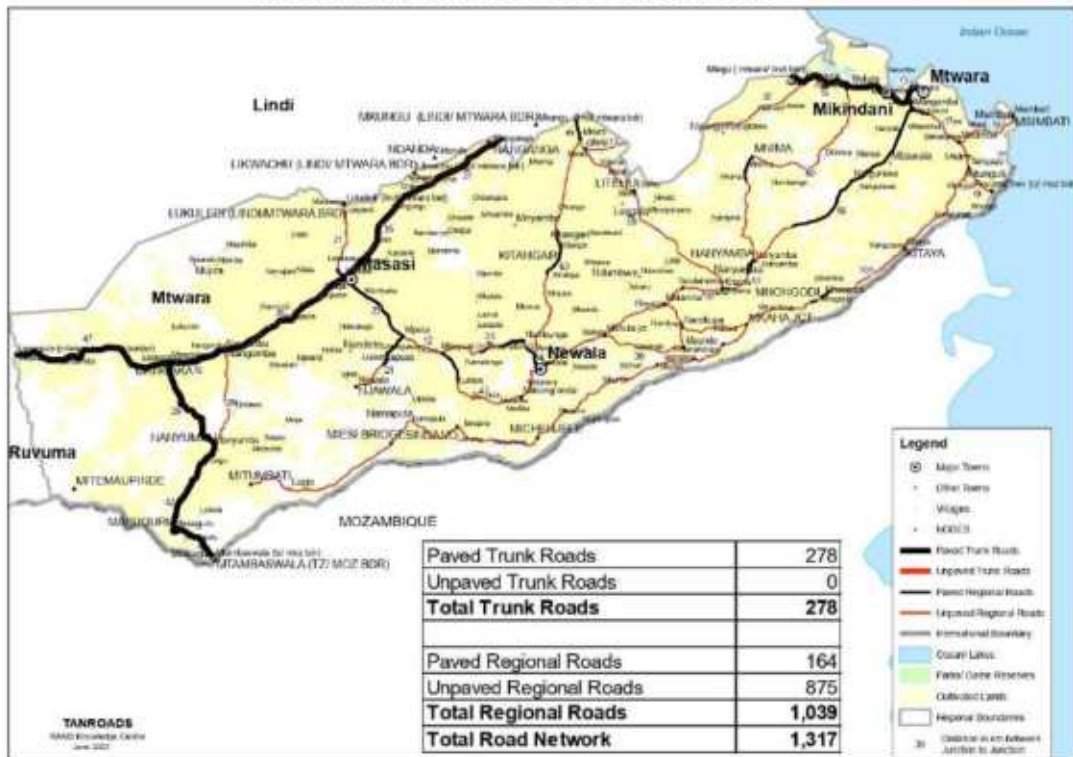
MBEYA REGION ROADS NETWORK



MOROGORO REGION ROADS NETWORK



MTWARA REGION ROADS NETWORK



MWANZA REGION ROADS NETWORK



NJOMBE REGION ROADS NETWORK

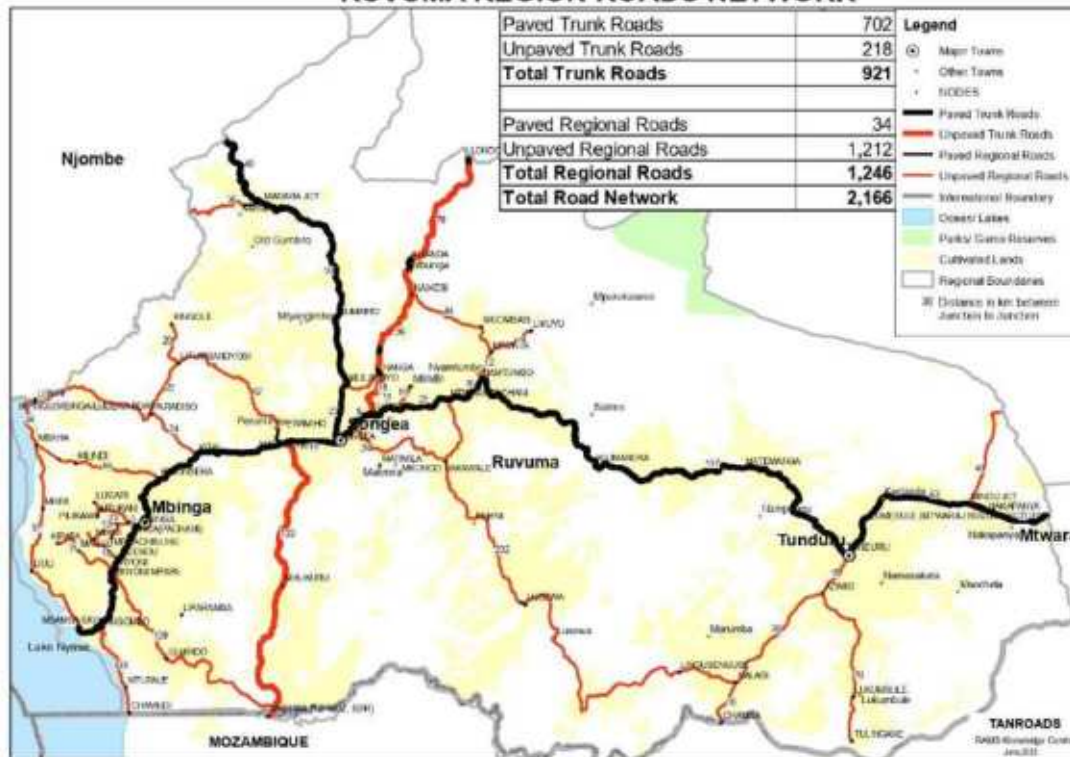


RUKWA REGION ROADS NETWORK

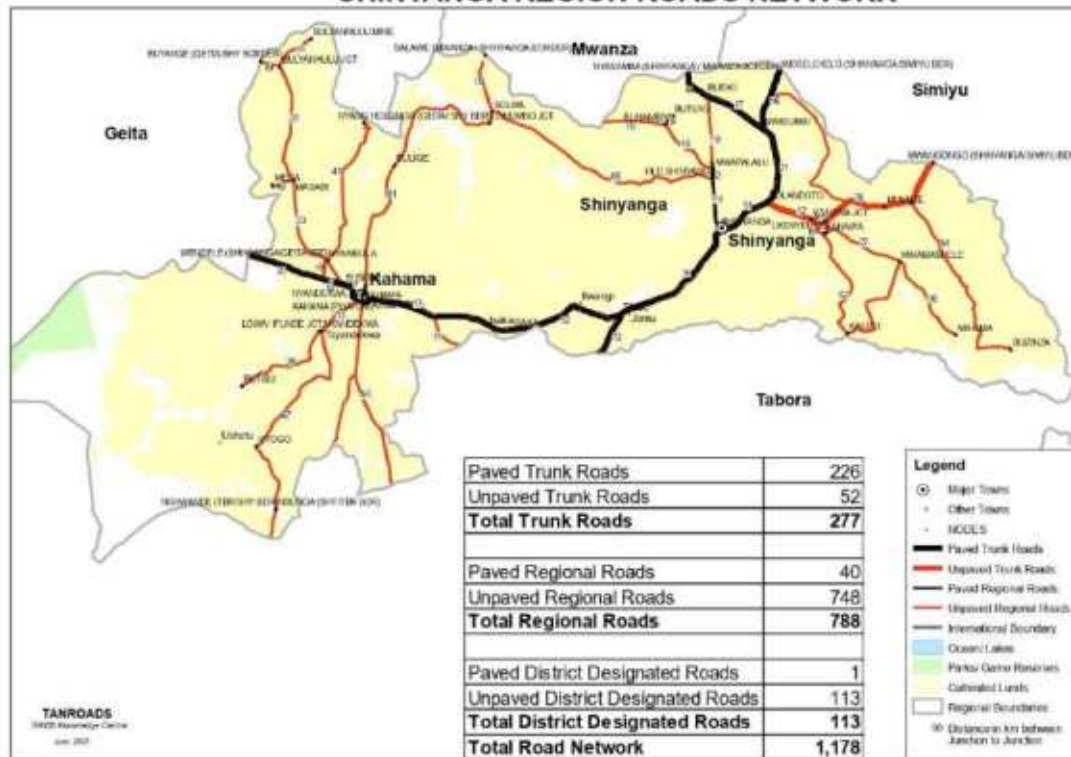


298
118

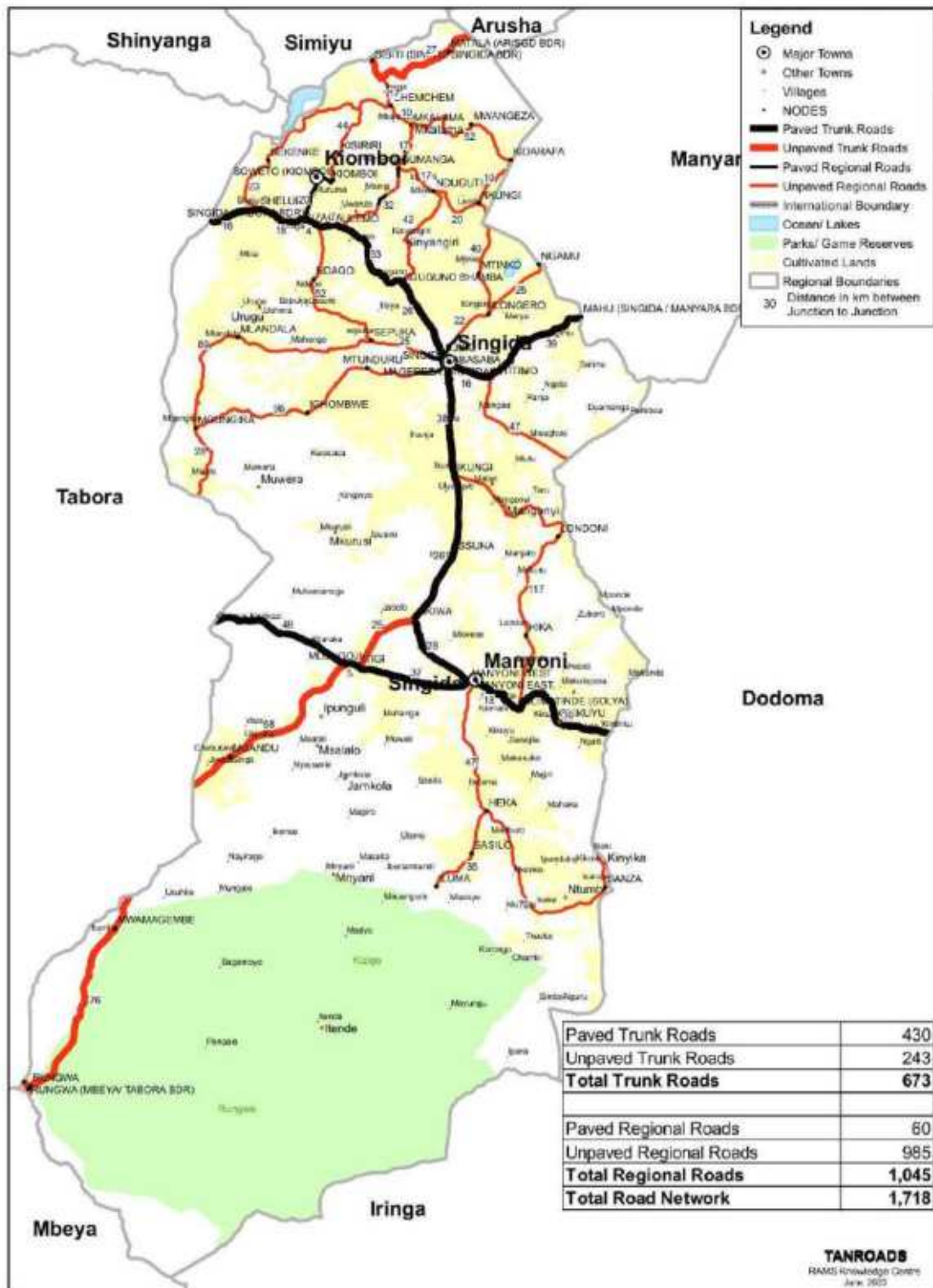
RUVUMA REGION ROADS NETWORK



SHINYANGA REGION ROADS NETWORK



SINGIDA REGION ROADS NETWORK



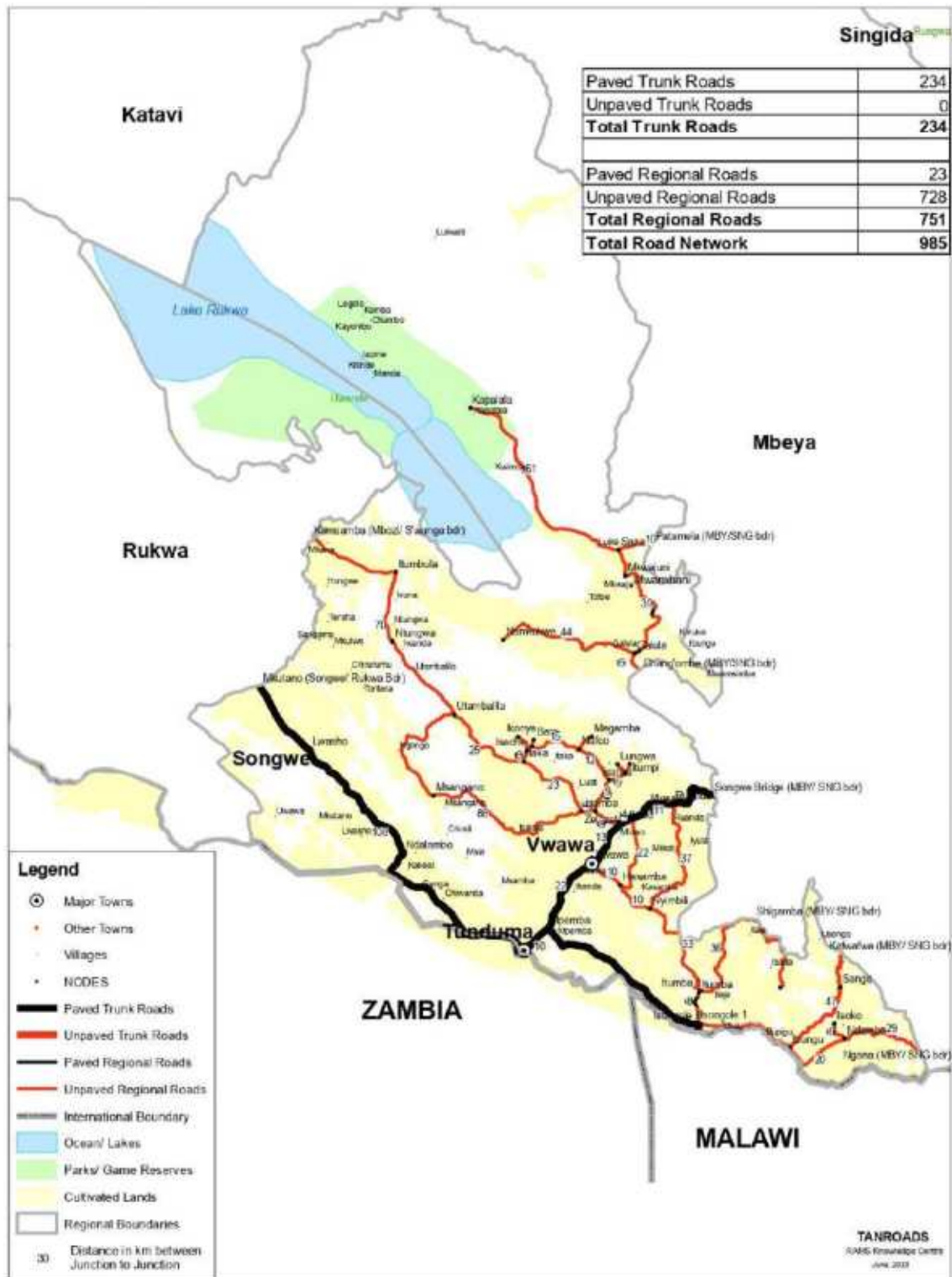
TANROADS
RAMD Knowledge Centre

Paved Trunk Roads	212
Unpaved Trunk Roads	121
Total Trunk Roads	333
Paved Regional Roads	17
Unpaved Regional Roads	509
Total Regional Roads	526

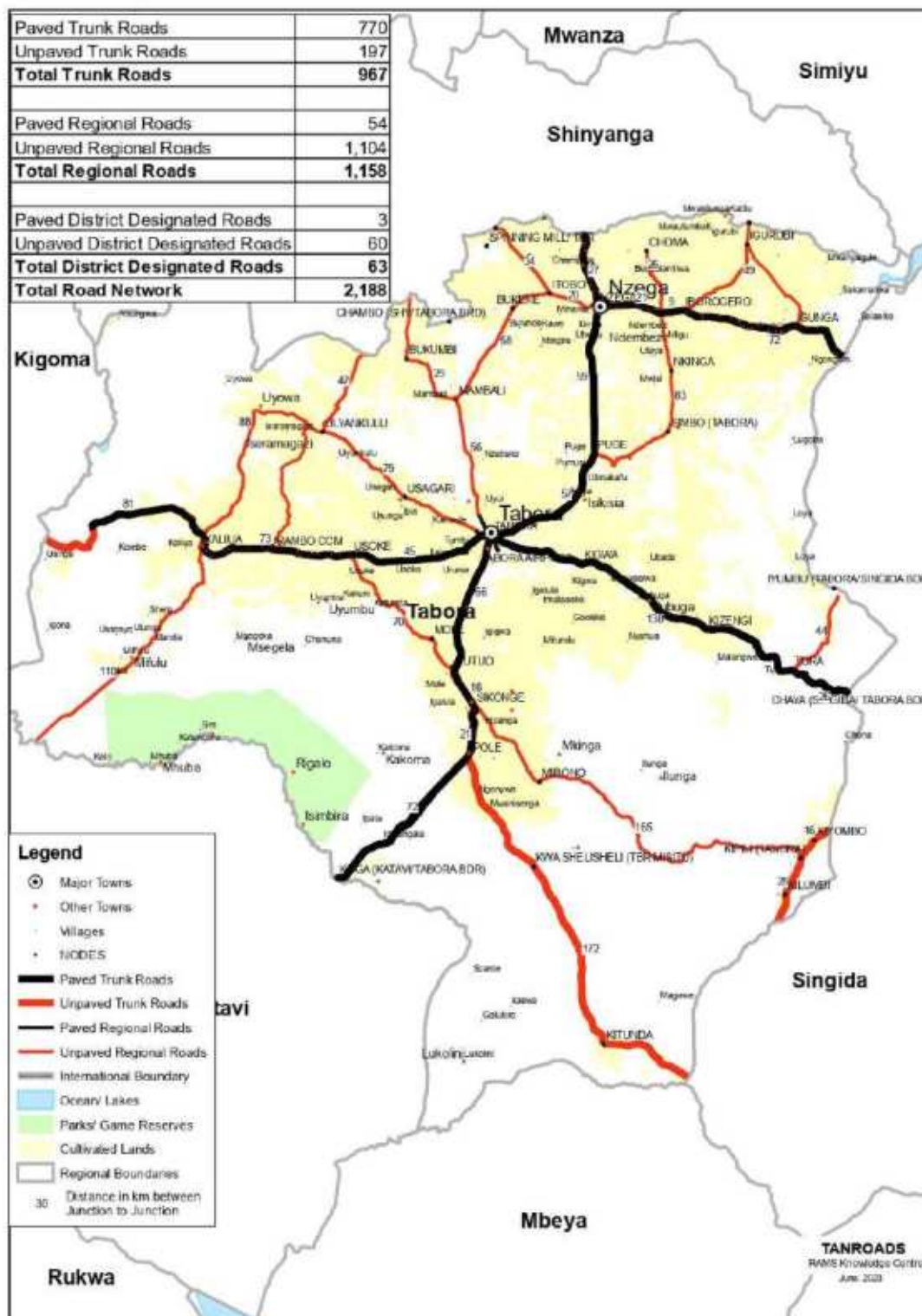
Legend

- Major Towns
- Other Towns
- Villages
- NODES
- Paved Trunk Roads
- Unpaved Trunk Roads
- Paved Regional Roads
- Unpaved Regional Roads
- International Boundary
- Ocean/ Lakes
- Parks/ Game Reserves
- Cultivated Lands
- Regional Boundaries
- Distance is km between Junction to Junction

SONGWE REGION ROADS NETWORK



TABORA REGION ROADS NETWORK



TANGA REGION ROADS NETWORK

