

THE UNITED REPUBLIC OF TANZANIA



MINISTRY OF WORKS AND TRANSPORT (WORKS)

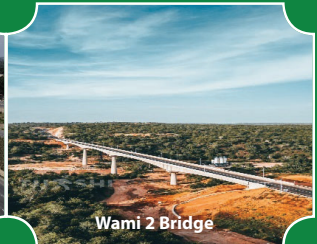
BASIC STATISTICS AND INFORMATION IN CONSTRUCTION INDUSTRY (2022)



Kigongo-Busisi



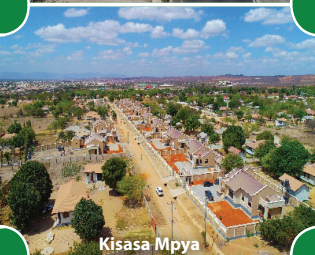
Kimara- Kibaha Road



Wami 2 Bridge



Songwe Airport



Kisasa Mpya



MV-Kazi

**GOVERNMENT CITY-MTUMBA
P. O. BOX 2888
40470 DODOMA**

APRIL, 2023

THE UNITED REPUBLIC OF TANZANIA



**MINISTRY OF WORKS AND TRANSPORT
(WORKS SECTOR)**

BASIC STATISTICS AND INFORMATION IN CONSTRUCTION INDUSTRY (2022)

**GOVERNMENT CITY-MTUMBA
P. O. BOX 2888
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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 and Transport (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 a year 2022. 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 and Transport (Works)

CHAPTER ONE

INTRODUCTION

Construction Industry Sector Statistics provides a synopsis of Construction Industry issues and other relevant information within the Ministry of Works and Transport (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 and Transport (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 Works Sector Recurrent and Development Budget status; Chapter three contains, Road Condition, Road accidents, and Motor Vehicle and Plant Registration in Tanzania Mainland; information and statistics on other Institutions of the Sector namely TEMESA, TBA, ERB, AQRB, NCC, RFB, CRB; ICoT and Construction, upgrading and Rehabilitation of Airports. Chapter four contains statistics for Local Roads and Employment generated during the implementation of Works Sector Development projects. It is important to note that this document does not contain all the required data and information for the Construction Sector. In a nutshell, the document provides a summary on data and information for core activities performed by the Ministry (Works). However, comments and inputs are invited from all stakeholders for the purpose of improving it in the future.

BASIC BACKGROUND DATA

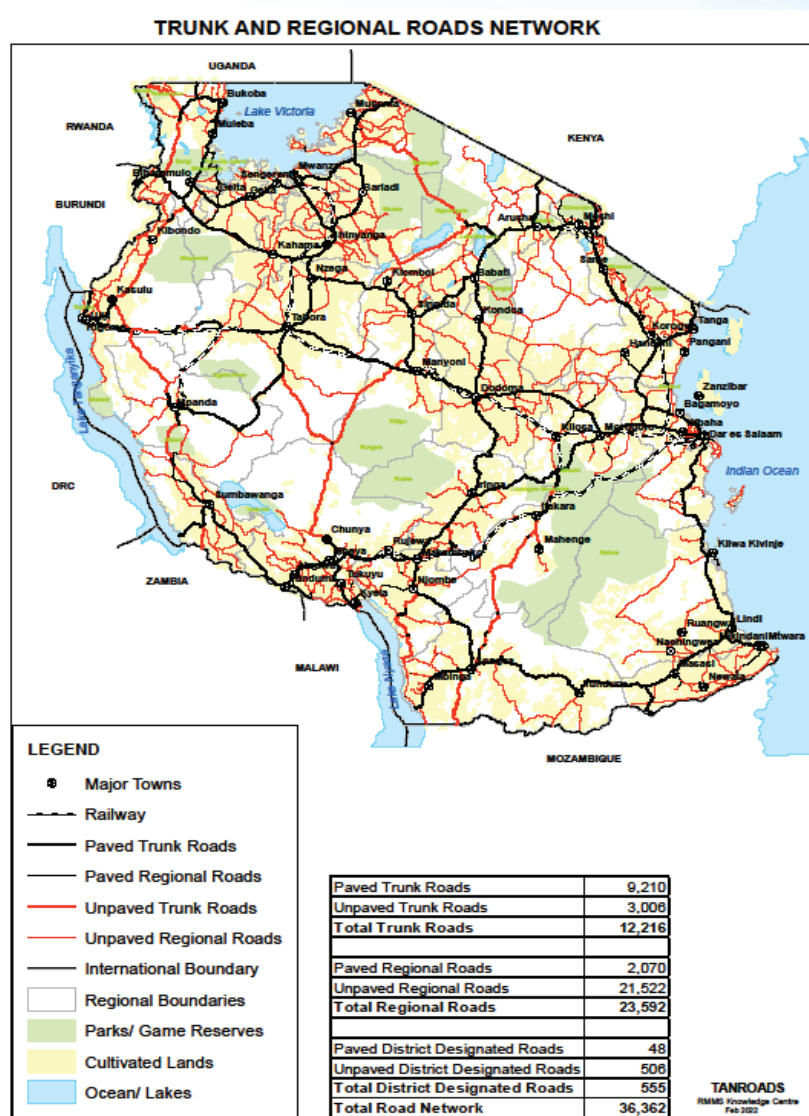
Table 1: Data Describing Tanzania

S/N	Particular	Data/Information
1.	Location	East Coast of Africa between latitudes 1°S and 11° S and between longitudes 29°E and 41°E.
2.	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.
3.	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.
4.	Capital City	Dodoma with population of 3,085,625 people (2022)
5.	Number of Regions	Tanzania Mainland 26 regions and Zanzibar 5 regions
6.	Number of Districts	Tanzania Mainland 168 districts and Zanzibar 10 districts
7.	Arable Land	15.1 million hectare
8.	Cultivated Land per year	5.1 million hectare
9.	Population of Tanzania Mainland	About 59.85 million people (2022).

S/N	Particular	Data/Information
10.	Other major cities with their estimated population (2022)	Dar es Salaam (5,383,728), Mwanza (3,699,872), Arusha (2,356,255), Tanga (2,615,597) and Mbeya (2,343,754).
11.	Average population density of the country	51 inhabitants per square kilometer (in h/km ²)
12.	Total Road Network (2022)	181,190.04 km
13.	Railway Network	The railway system of mainland Tanzania has a total track length of 3,676 kilometers (km) with two separate networks, run by two separate organizations. These are the Tanzania – Zambia Railway Authority (TAZARA), which maintains and operates 975 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 2,706 km network including Tanzania's railway links to Kenya and Uganda.
14.	Major Airports	JNIA, KIA, Mtwara, Mwanza, Arusha and Songwe

S/N	Particular	Data/Information
15.	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
16.	Major Mountains	Mt Kilimanjaro, Mt Meru, and Mt. Rungwe
17.	Major Rivers	River Rufiji, River Wami , River Ruvuma, River Kagera, River Songwe and River Pangani
18.	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

WORKS SECTOR 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 CCM Election Manifesto of 2015, National Development Vision 2025, Five Years Development Plan 2017/18 – 2021/22 and Sectoral Policies. 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, 2022

Financial year	Approved budget	Released fund up to 30 th June	Expenditure up to 30 th June	% of Releases vs Budget	% of Expenditure vs Releases
2017/18	35,565,163,330.77	34,761,246,019.97	34,758,375,767.03	97.7	100
2018/19	43,907,615,755.20	42,601,134,846.85	42,574,375,355.35	97.02%	99.93%
2019/20	36,282,751,504.00	32,841,419,899.04	32,817,605,646.61	90.52	99.93
2020/21	40,143,330,487.56	34,661,805,099.16	26,540,671,378.01	86.35	76.57
2021/22	38,548,459,923.96	37,700,271,291.72	37,631,688,476.58	97.80	99.82

Source: MoWT (Works), 2022

Table 3: Summary of Development Budget and Funds Released by 30th June, 2022

Financial year	Approved Budget			Cumulative Amount Released			% of Fund Released
	Local	Foreign	Total	Local	Foreign	Total	
2017/18	1,950,800,395,330.30	514,485,479,635.76	2,465,285,874,966.06	1,904,875,418,455.57	316,198,557,121.77	2,221,073,975,577.34	90.1
2018/19	1,580,718,749,370.5	435,927,599,000.00	2,016,646,348,370.56	1,480,293,343,463.6	337,389,630,930.00	1,818,682,974,393.60	90.18
2019/20	1,914,762,629,796.00	304,051,604,268.00	2,218,814,234,064.00	1,720,922,726,624.65	304,051,414,258.00	2,024,974,140,882.65	91.26
2020/21	1,472,402,577,625.42	325,364,183,000.00	1,797,766,760,625.42	1,264,441,005,658.12	325,078,001,067.46	1,589,519,006,725.58	88.42
2021/22	1,510,226,353,373.70	300,000,000,000.00	1,810,226,353,373.70	1,668,377,816,515.41	299,962,095,658.06	1,968,339,912,173.47	108.73

Source: MoWT (Works), 2022

CHAPTER THREE

INSTITUTIONS UNDER WORKS SECTOR

Other 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), and Architect and Quantity Surveyors Registration Board (AQRB). 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 of 36,760.29km of Trunk Roads and Regional Roads according to the Roads Act No. 13 of 2007 and subsequent reclassification up to December, 2022.

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 181,190.04 km as of December, 2022. The Ministry of Works and Transport (Works) through Tanzania National Roads Agency (TANROADS) is managing the National Road Network of about 36,760.29km comprising 12,223.04km of Trunk and 24,537.25km of Regional Roads. The remaining road network of about 144,429.75km 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, 2022

Surface Type	Paved (km)	Unpaved (km)	Total (km)
Trunk Roads	9,332.32	2,890.72	12,223.04
Regional Roads	2,344.35	22,192.90	24,537.25
Total Road Network	11,676.67	25,083.62	36,760.29

Source: TANROADS, 2022

Table 5: Condition of Trunk and Regional Roads as of December, 2022

oad Class	Condition of National Road Networks						Total	
	Good		Fair		Poor			
	Km	Percent (%)	Km	Percent	Km	Percent	Km	Percent
	Trunk (paved)	5,661.95	63	1,854.82	21	1,451.93	16	8,968.70
Trunk (unpaved)	504.24	23	1,518.07	69	167.22	8	2,189.53	100
Regional (paved)	872.08	46	492.97	26	548.1	28	1,913.15	100
Regional (unpaved)	5,605.88	25	14,952.90	68	1,639.22	7	22,198.00	100
Total Surveyed National Roads Network	12,644.15	36	18,818.76	53	3,806.47	11	35,269.38	
Note:.. The total road network was not covered due to the fact that, 1,490.91km were not surveyed due to the reasons that road works were in progress, others were impassable and some are under TANAPA.								

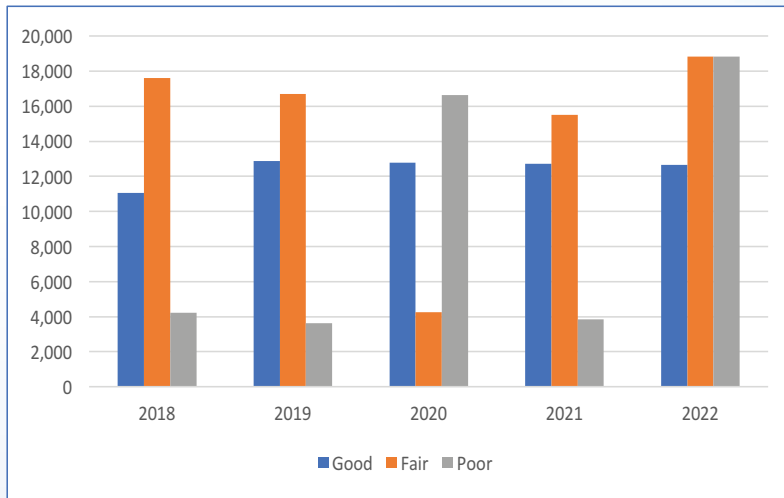
Source: TANROADS, 2022

Table 6: Condition of Trunk and Regional Roads, (2018– 2022)

Year	Condition of National Road Networks						Total	
	Good	Fair	Poor	Good	Fair	Poor	Km	Percent
	Kilometer			Percent				
2018	11,043	17,592	4,217	33.6	53.6	12.8	32,852	100
2019	12,867	16,693	3,618	38.8	50.3	10.9	33,178	100
2020	12,771	4,257	16,622	49	38	13	33,650	100
2021	12,722.42	15,500.23	3,852.35	40	48	12	32,074.99	100
2022	12,644.15	36	18,818.76	53	3,806.47	11	35,269.38	100

Source: TANROADS, 2022

Figure 2: Condition of Trunk and Regional Roads, (2018 – 2022)



Source: TANROADS, 2022

Table 7: Distribution of Trunk and Regional Roads by Region and Surface as of December, 2022

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	59.70	834.85	894.55	0.81	16.94	17.75	428.48	1,064.64	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
DARES SALAAM	119.97	0.00	119.97	238.55	162.20	400.75	50.41	28.16	78.57	408.93	190.36	599.29
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	162.14	541.94	704.08	2.66	76.21	78.87	400.98	618.15	1,019.13
IRINGA	393.48	67.35	460.83	32.80	724.08	756.88	0.00	0.00	0.00	426.28	791.43	1,217.71
KAGERA	630.86	230.73	861.59	140.77	912.98	1,053.75	0.00	50.95	50.95	771.63	1,194.66	1,966.29
KATAVI	276.41	205.09	481.50	38.67	681.64	720.31	0.00	0.00	0.00	315.08	886.73	1,201.81
KIGOMA	301.89	356.01	657.90	0.40	753.23	753.63	0.00	135.50	135.50	302.29	1,244.74	1,547.03
KILIMANJARO	292.74	0.00	292.74	221.27	541.50	762.77	0.00	0.00	0.00	514.01	541.50	1,055.51
LINDI	347.97	0.00	347.97	55.91	885.61	941.52	0.00	0.00	0.00	403.88	885.61	1,289.49
MANYARA	206.59	0.00	206.59	50.65	1,399.75	1,450.40	0.00	0.00	0.00	257.24	1,399.75	1,656.99
MARA	194.00	215.73	409.73	104.64	849.17	953.81	0.00	63.38	63.38	298.64	1,128.28	1,426.92
MBEYA	389.23	182.31	571.54	80.10	606.06	686.16	0.00	0.00	0.00	469.33	788.37	1,257.70

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MOROGORO	464.87	384.55	849.42	161.96	1,059.85	1,221.81	0.00	0.00	0.00	626.83	1,444.40	2,071.23
MTWARA	277.64	0.00	277.64	152.08	886.98	1,039.06	0.00	0.00	0.00	429.72	886.98	1,316.70
MWANZA	261.86	0.00	261.86	25.74	835.05	860.79	0.00	22.85	22.85	287.60	857.90	1,145.50
NJOMBE	256.37	147.05	403.42	150.47	634.34	784.81	0.00	0.00	0.00	406.84	781.39	1,188.23
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	702.27	218.38	920.65	31.34	1,214.21	1,245.55	0.00	0.00	0.00	733.61	1,432.59	2,166.20
SHINYANGA	225.51	51.59	277.10	35.21	752.33	787.54	0.00	113.10	113.10	260.72	917.02	1,177.74
SIMIYU	212.26	120.78	333.04	14.51	511.00	525.51	0.00	66.99	66.99	226.77	698.77	925.54
SINGIDA	430.18	242.69	672.87	60.12	985.32	1,045.44	0.00	0.00	0.00	490.30	1,228.01	1,718.31
SONGWE	233.63	0.00	233.63	23.17	728.19	751.36	0.00	0.00	0.00	256.80	728.19	984.99
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	185.72	1,296.33	1,482.05	0.00	0.00	0.00	512.97	1,296.33	1,809.30
Total	9,273.82	2,949.22	12,223.04	2,259.30	21,587.00	23,846.30	56.88	634.07	690.95	11,590.00	25,170.29	36,760.29

Source: TANROADS, 2022

3.1.4 Construction, Upgrading and Rehabilitation of Airports

Tanzania Mainland has a total of 368 aerodromes, out of which 58 are maintained and operated by Tanzania Airport Authority (TAA). Construction, upgrading and rehabilitation of airport works is under TANROADS. Details of each airport is indicated in **Table 8**

Table 8: Status of Airports as of December, 2022

No.	Region	Name of Airport/Airstrip	Class /Code	Runway			Other Airport Infrastructure	Status	
				Material	Length (m)	Width (m)		Operational/ Non-Operational	International/ Local
01	Dar es Salaam	Julius Nyerere	4E	AC	3000	45 plus 15m hard shoulders	Available	Operational	International
			3C	AC	1000	30			
02	Pwani	Mafia	3C	AC	1500	30	Some Available	Operational	Local
		Utete	1C	Grass	640	60	Not Available	Non Operational	Local
03	Kagera	Bukoba	3C	AC	1500	30	Some Available	Operational	Local
		Ngara	2A	Gravel	1500	19	Not Available	Operational	Local
		Biharamulo	UC	Grass	935	18	Not Available	Operational	Local
04	Iringa	Iringa	2C	AC	1679	30	Some Available	Operational/ Under construction	Local
		Mafinga	2C	Grass	1328	30	Not Available	Operational	Local
		Mufindi/Sao Hill	2C	Grass	1000	40	TBD	Operational	Local
05	Mbeya	Songwe	4C	AC	3340	45	Available	Operational	International
		Mbeya	3C	Gravel	1500	30	Some Available	Closed	Entry & Exit
		Chunya	UC	Grass	1332	30	TBD	Operational	Local

No.	Region	Name of Airport/Airstrip	Class /Code	Runway			Other Airport Infrastructure	Status	
				Material	Length (m)	Width (m)		Operational/ Non-Operational	International/ Local
06	Katavi	Mpanda	3C	AC	2000	30	Some Available	Operational	Local
		Inyonga	2C	Grass	914	40	No	Operational	Local
07	Kigoma	Kigoma	4C	AC	1800	45	Some Available	Operational	Entry/Exit
		Uvinza	1C	Grass	914	46	No	Operational	Local
		Kasulu	3B	Gravel	1400	23	Some Available	Operational	Local
		Kibondo	2C	Gravel	1189	40	Some Available	Operational	Local
08	Dodoma	Dodoma	3C	AC	2700	30	Some Available	Operational	Local
		Kondoa	1C	Grass	732	50	TBD	Operational	Local
		Mvumi	2A	Grass	914	20	TBD	Operational	Local
		Mpwapwa	1C	Grass	674	30	TBD	Operational	Local
		Kongwa	3C	Gravel	1368	30	TBD	Operational	Local
		Msalato	4E	NIL	NIL	NIL	NIL	Under Construction/ Proposed new Airport	TBD
09	Lindi	Lindi	3C	Gravel	1847	46	Some Available	Operational	Local
				Grass	1609	46			
				Grass	1383	46			
		Nachingwea	3C	Gravel	2000	30	Some Available	Operational	Local
		Kilwa Masoko	3C	Gravel	1950	30	Some Available	Operational	Local

No.	Region	Name of Airport/Airstrip	Class /Code	Runway			Other Airport Infrastructure	Status	
				Material	Length (m)	Width (m)		Operational/ Non-Operational	International/ Local
10	Singida	Singida	2C	Gravel	1070	30	Some Available	Operational	Local
		Kirondatal	2A	Grass	1097	20	No	Operational	Local
		Manyoni	1C	Grass	800	30	No	Operational	Local
11	Simiyu	Maswa	2B	Grass	882	30	No	Closed	Local
		Igegu	3C	NIL	NIL	NIL	NIL	Non Operational (Proposed new Project)	TBD
12	Morogoro	Morogoro	2B	Gravel/ Grass	1068	30	TBD	Operational	Local
		Kilosa	2C	Grass	1154	46	No	Operational	Local
		Ifakara	3C	Grass	1600	30	No	Operational	Local
13	Arusha	Arusha	3C	AC	1600	30	Some Available	Operational	Local
		Loliondo	2B	Grass	1760	28	TBD	Operational	Local
		Lake Manyara	2B	Gravel	1220	23	Some Available	Operational	Local
14	Ruvuma	Songea	3C	AC	1860	30	Available	Operational/ Under construction	Local
		Liuli	1C	Grass	914	30	TBD	Operational	Local
		Mbamba bay	1C	Grass	560	30	TBD	Operational	Local
		Tunduru	2B	Grass	1021	23	TBD	Closed	Local

No.	Region	Name of Airport/Airstrip	Class /Code	Runway			Other Airport Infrastructure	Status	
				Material	Length (m)	Width (m)		Operational/ Non-Operational	International/ Local
15	Mtwara	Mtwara	4D	AC	2800	45	Available	Operational/ Under construction	Local
			2C	Grass	1158	30			
			3C	Gravel	1273	40			
16	Tanga	Masasi	3C	AC	1263	30	Available	Operational	Entry and Exit
			2C	Grass	1158	30			
		Mombo	3C	Grass	1585	46			
			3C	Grass	1200	45			
		Mkwaja	4E	AC	3600	45 and 15m shoulders			
17	Kilimanjaro	Kilimanjaro	3C	AC	1268	30	Available	Operational/ Under construction	Entry and Exit
			3C	Grass	1480	30			
		W/Kilimanjaro/ Ngarenairobi	2C	Grass	1237	37			
			2C	Grass	1143	45			
			3C	Grass	1890	30			
18	Njombe	Njombe	3C	Grass	2000	30	Not Available	Operational	Local
19	Shinyanga	Shinyanga	3C	Gravel	1530	30	Not Available	Operational	Local
		Kahama	3C	EBS	1600	33	Not Available	Operational	Local
20	Rukwa	Sumbawanga	4D	AC	3800	45	Available	Operational	Entry & Exit
21	Mwanza	Ukerewe	2C	Grass	914	30	Not Available	Operational	Local

No.	Region	Name of Airport/Airstrip	Class /Code	Runway			Other Airport Infrastructure	Status	
				Material	Length (m)	Width (m)		Operational/ Non-Operational	International/ Local
22	Tabora	Tabora	3C	AC	1800	30	Available	Operational	Local
			3C	AC	1200	30			
		Urambo	3C	Grass	1524	46	Not Available	Operational	Local
23	Mara	Musoma	2C	Gravel	1600	30	Not Available	Operational/ Under construction	Entry & Exit
24	Geita	Chato	4C	AC	3000	45	Some Available	Operational/ Under construction	Domestic
25	Songwe	N/A	NIL		NIL	NIL	NIL	Non Operational	New Proposal
26	Manyara	Mwada Area	NIL	NIL	NIL	NIL	NIL	Non Operational	New Proposal
NB: EBS stands for 'Emulsified Base Solution' TBD stands for 'To be determined' UC stands for 'Unclassified'									

Source: MoWT (Works), 2022

3.1.5 Road Accidents

Table 9: Road Accidents by Category as of December, 2022

Category	2018		2019		2020		2021		2022	
	Deaths	Casualties	Deaths	Casualties	Deaths	Casualties	Deaths	Casualties	Deaths	Casualties
Drivers	178	352	153	280	151	183	173	159	190	226
Passengers	707	2,035	469	1,608	502	1,355	173	1419	625	1581
Motorcyclist	2313	648	309	437	236	288	225	184	307	233
Cyclist	114	88	111	55	65	30	62	32	72	30
Pedestrian	467	593	381	450	311	265	267	162	344	203
Cart pusher	9	30	17	4	5	5	0	2	7	5
Total	1,788	3,746	1,440	2,834	1,270	2,126	900	1958	1,545	2,278

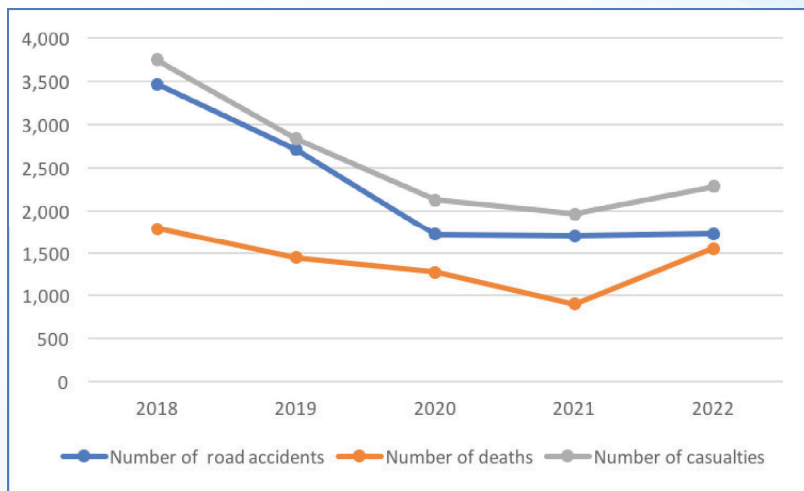
Source: Ministry of Home Affairs, 2022

Table 10: Road Accidents as of December, 2022

Year	2018	2019	2020	2021	2022
Number of road accidents	3,464	2,704	1,714	1,698	1,720
Number of deaths	1,788	1,440	1,270	900	1,545
Number of casualties	3,746	2,834	2,126	1,958	2,278

Source: Ministry of Home Affairs, 2022

Figure 3: Number of Road Accidents and Death (2018-2022)



Source: Ministry of Home Affairs, 2022

Note: Number of death, Road accident and Casualties has shown a declining trend for the past three years, from 2018 to 2020. Although for the year 2021 to 2022 number of death and casualties has shown an increase trend.

Table 11 Ongoing Projects as of December, 2022

S/N	Project Name	Length in km	Contract Sum/ Revised (Billion)	Financier	Progress (%)
1.	Section 3: Chunya – Makongorosi (39km) construction of matundasi (Chunya); [Addendum no.1]	39	GOT	6.936	81
2.	Upgrading of makongorosi - rungwa – itigi – mkiwa road to bitumen standard; lot 7(a): noranga – itigi (Mlongoji) section (25km)	25	GOT	29.770	12.60
3.	Upgrading of loliondo – mto wa mbu road to bitumen standard; lot 1: Wasso – Sale section (49km)	49	GOT	87.126	100
4.	Upgrading of Maswa bypass road to bitumen standard	11.3	GOT	13.447	73
5.	tanroads hq building		GoT	30.131	53
6.	Design and build for upgrading of Karatu - Mbulu - Maswa (389km) road to Bitumen standard, lot 1: Mbulu - Garbabi (25km)	25	GoT	35.172	Submitted Draft of the Design 10km and reviewed with comment
7.	Upgrading of Mianzini – Olemringaringa – Ngaramtoni juu & olemringaringa – sambasha/timbolo roads to bitumen standard	18	GOT	22.668	18
8.	Upgrading of matai – kasesya (50km) road to bitumen standard; lot 1: matai – tatanda section	25		37.350	8

S/N	Project Name	Length in km	Contract Sum/ Revised (Billion)	Financier	Progress (%)
9.	Upgrading of ntendo - muze - kilyamatundu (179km) road to bitumen standarad; lot 1: ntendo - kizungu section	25		45.290	13
10.	Upgrading of mpanda-uvinza-kanyani (250.44km) road to bitumen standard; lot 2: vikonge - luhafwe section	25		35.630	2
11.	Design and build for upgrading of kibaoni - sitalike (74km) road to bitumen standard, lot 1: kibaoni - mlele junction (50km)	50		88.725	3
12.	Ruangwa - Nanganga	53.2	GOT	50.340	59
13.	Tanga - Pangani	50	GOT	66.853	62
14.	Lot 1: Handeni - Mafuleta	20	GOT	24.440	11
15.	Upgrading of Dumila – Kilosa – Ulaya – Mikumi road (142km) to bitumen standard, lot 2: Rudewa – Kilosa section (24 km)	24	GOT	32.900	91
16.	Upgrading of kwala dry port to vigwaza access road section (15.5km) to cement concrete paved single carriageway standard under design and build contract	15.5	TPA	30.875	95
17.	Kibondo town link (nduta jct –Kibondo town-kibondo jct)	25.9	GOT	31.900	57.30
18.	Lot 1: Nyamuswa - Bulamba	56.4	GOT	46.500	88

S/N	Project Name	Length in km	Contract Sum/ Revised (Billion)	Financier	Progress (%)
19.	Lot 2: Sanzate - Natta	40	GOT	39.470	29
20.	lot 1: Mogabiri - Nyamongo (25km)	25	GOT	34.662	8
21.	Upgrading of Kitai - Lituhi road (84.5 km) to bitumen standard; lot 1: Amanimakoro – Ruanda section (35km)	35	GOT	60.481	23
22.	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 spur road to kipumbwi	95.2 KM	AfDB & GoT	94.540	16
23.	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	82.190	0.02
24.	Sibiti bridge	0.082	GoT	16.302	100
25.	Wami bridge	4.325	GoT	67.779	100
26.	Malagarasi - ilunde-uvinza	51.10	OPEC/ ADFD/ GoT	62.760	22
27.	Kazilambwa - chagu	36.00	OPEC	32.460	73

S/N	Project Name	Length in km	Contract Sum/ Revised (Billion)	Financier	Progress (%)
28.	Lot 2: Lusitu - Mawengi (50km)	50	GOT	159.217	100
29.	Lot 1: Itoni - Lusitu (50km)	50	GOT	95.946	21
30.	Njombe - Moronga	53.9	GOT	107.085	100
31.	Moronga - Makete	53.5	GOT	110.446	100
32.	JP. Magufuli Bridge	3.2	GOT	592.61	63
33.	Upgrading of Makutano – Nyamuswa – Ikoma gate road to bitumen standard; Lot 1: Makutano - Natta (Sanzate) section	50	GOT	46.14	100
34. 36	Upgrading of Bugene – Kasulo (benaco) – Kumunazi road (128.5km) to bitumen standard; lot 2: Bugene – Burigi Chato National park section (60.0km)	60	GOT	92.84	9.7
35.	Lot 1: Kasulu junction-Manyovu including Kasulu town links (68.25 km):(i) Kasulu-Manyovu (58.8 km) section and (ii) kasulu town links (9.45km)	68.25 Km	AfDB/GOT	76.180	42.47
36. 38	Upgrading of Kabingo - kasulu - Manyovu (260.6km) road to bitumen standard; lot 2: Kanyani junction - Mvugwe section (70.5km)	70.5km	AfDB/GOT	83.741	52.71
37. 39	Lot 3: Mvungwe – Nduta junction section (59.35km)-trd/hq/1035/2019/20.	59.35	AfDB/GOT	84.756	59.19
38. 40	Lot 4: Nduta junction - Kibondo junction - Kabingo (62.5km) section	62.5KM	AfDB/GOT	95.537	71.32

S/N	Project Name	Length in km	Contract Sum/ Revised (Billion)	Financier	Progress (%)
39. 41	Lot 1: Nala – Veyula – Mtumba – Ihumwa dry port	52.3	AfDB/ AGTF/GOT	100.840	18.83
40. 42	Lot 2: Ihumwa dry port – Matumbulu - Nala	60	AfDB/ AGTF/GOT	120.860	14.82
41. 43	Ntyuka - Mvumi - Makulu road (8.6km) and Kikombo jct - Chololo - Mapinduzi (TPDF HQ) road (16.4km)	25	GOT	38.200	(70% Mobilized)
42. 44	BRT phase 2- road works - Lot 1	20.3	AfDB/GoT	189.433	82
43. 45	BRT Phase 3, Lot 1: Road works	23	WB	231.664	Finalizing mobilization
44. 46	Kimara - Kibaha	19.2	GoT	140.450	99.00
45. 47	Kidatu - Ifakara	66.9	EU		70.25
46. 48	Gerezani Bridge		JAPAN/ GoT	22.420	100
47. 49	Songwe/Kasumulu - Tanzania/ Malawi boarder osbp	1.00	IDA/GOT	26.426	88.35
48. 50	Improvement of assorted accident blackspot (Morogoro)	1.00	IDA/GOT	18.774	95

S/N	Project Name	Length in km	Contract Sum/ Revised (Billion)	Financier	Progress (%)
49. 51	Refurbishment of 20 health facilities - lot 1b	1.00	IDA/GOT	1.192	98
50. 52	Refurbishment of 20 health facilities - lot 2	1.00	IDA/GOT	1.143	98
51. 53	Refurbishment of 20 health facilities - lot 3	1.00	IDA/GOT	1.322	75

Source: TANROADS, 2022

3.2 Tanzania Electrical, Mechanical and Electronics Services Agency

Tanzania Electrical, Mechanical and Electronics Services Agency (TEMESA) is established under the Ministry of Works and Transport (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 12** and **Table 13** provide number of ferries operated by TEMESA and their capacities respectively.

Table 12: Status of Ferries and their Capacities in each Location as of December, 2022

S/N	OPERATIONAL LOCATION	REGION	NAME OF FERRY	FERRY CAPACITY	YEAR OF PURCHASE	STATUS
1.	Magogoni – Kigamboni	Dar es salaam	MV. Magogoni	Ton 500 (Passengers 2000, Vehicles 60)	2008	Working
2.	Magogoni – Kigamboni	Dar es salaam	MV. Kigamboni	Ton 160 (Passengers 800, Vehicles 22)	1985	Working
3.	Magogoni – Kigamboni	Dar es salaam	MV. Kazi	Ton 170 (Passengers 800, Vehicles 22)	2017	Not working
4.	Ilagara - Kajeje	Kigoma	MV. Malagarasi	Ton 50 (Passengers 100, Vehicles 6)	2012	Working
5.	Ilagara - Kajeje	Kigoma	MV. Ilagara	Ton 50 (Passengers 100, Vehicles 6)	2005	Not working
6.	Kilambo - Namoto	Mtwara	MV. Kilambo	Ton 50 (Passengers 100, Vehicles 6)	2013	Not working
7.	Nyamisati - Mafia	Pwani	MV. Kilindoni	Ton 100 (Passengers 200, Vehicles 10)	2020	Not working
8.	Msanga Mkuu – Msemu	Mtwara	MV. Mafanikio	Ton 50 (Passengers 100, Vehicles 6)	2014	Working
9.	Musoma - Kinesi	Mara	MV. Musoma	Ton 85 (Passengers 330, Vehicles 8)	2012	Working

S/N	OPERATIONAL LOCATION	REGION	NAME OF FERRY	FERRY CAPACITY	YEAR OF PURCHASE	STATUS
10.	Iramba - Majita	Mara	MV. Mara	Ton 35 (Passengers 60, vehicles 4)	1971	Working
11.	Kilombero - Ulanga	Morogoro	MV. Kilombero I	Ton 50 (Passengers 100, Vehicles 6)	2003	Not Working
12.	Kilombero - Ulanga	Morogoro	MV. Kilombero II	Ton 50 (Passengers 100, Vehicles 6)	2007	Not Working
13.	Rusumo – Nyakiziba	Kagera	MV. Ruvuvu	Ton 35 (Passengers 80, Vehicles 2)	2011	Working
14.	Rusumo – Nyakiziba	Kagera	MV. Old Ruvuvu	Ton 7 (Passengers 50, Vehicles 2)		Not Working
15.	Kasharu - Buganguzi	Kagera	MV. Kyanyabasa	Ton 7 (Passengers 50, Vehicles 2)	2005	Working
16.	Utete - Mkongo	Pwani	MV. Mkongo	Ton 15 (Passengers 40)	2017	Not Working
17.	Lindi - Kitunda	Lindi	MV. Kitunda	Ton 50 (Passengers 100, Vehicles 6)	2010	Working
18.	Pangani - Bweni	Tanga	MV. Tanga	Ton 50 (Passengers 100, Vehicles 6)	2016	Working

Source: TEMESA, 2022

Table 13: TEMESA Ferry Traffic Count January - December, 2022

FERRY/ STATION	ADULTS	CHILDREN <=14 YRS	BICYCLE	M/CYCLE	PKG<50 Kg & PKG>50 Kg	CARTS, T/ CYCLES & PSG	CATTLE & OTHER D/ ANIMAL	SALOON & P/ Up<1.5ton	SWG	MIN BUS <=15 PSG & VEH> 15PSG <=29PSG	TRACTOR & TRAILER	Lories 8-30T & Buses > 45 Psg	Heavy Trucks & Heavy Earth Movers, Plants,
Magogoni Ferry	0	170,067	279,414	215,649	-	90,888	-	326,479	133,197	4,230	70	1,316	-
Kigongo/ Busisi	3,469,899	418,936	17,346	43,756	2,023	12,679	18,094	145,103	8,606	17,316	16,483	31,445	20,707
Kisonya/Rugezi	471,557	13,985	6,774	735	43,489	2,106	2,374	5,176	1,298	1,817	163	3,300	371
Nyakaliro/ Kome	247,284	1,686	7,201	9,922	27,159	2,497	777	647	878	395	42	411	4
Bugolora/ Ukara	204,243	9,402	9,375	5,500	48,483	4,518	4,288	1,231	382	314	52	528	11
Chato	46,681	11,428	3,617	3,853	23,241	7,806	3,976	394	16	-	2	-	-
Mafia/ Nyamisati	58,321	2,785	396	326	80,352	217	-	50	275	6,182	29	180	19,434
Ilagala (Kigoma)	347,862	4,257	25,134	40,127	1,984	2,691	1,759	5,384	4,005	4,397	-	1,647	29,456
Kilambo	-	-	-	-	-	-	-	-	-	-	-	-	-
Pangani	432,251	11,744	36,009	84,696	7,186	11,330	1,139	9,448	5,801	2,264	101	5,712	87

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Ruhuhu	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kyanyabasa	32,818	8	1,066	22,538	7,896	15	25	2,512	57	210	-	260	-	-	-	-	-	-	-	-
Utete Rufiji	2,364	312	112	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ruvuvu	93,998	215	6,318	25,585	33,308	11	204	10,942	-	43	28	2,279	-	-	-	-	-	-	-	-
Musoma	236,939	45,157	14,563	26,849	68,089	701	2,383	1,935	131	204	10	309	1	-	-	-	-	-	-	-
Temesa	33,042	600	2,154	147	1,390	2,247	1,976	8	-	7	17	9	2	-	-	-	-	-	-	-
Mara	78,855	21,320	1,675	1,664	7,631	7	470	43	-	-	-	60	-	-	-	-	-	-	-	-
Kahunda/ Maisome	321,681	19,466	566	1,561	21,502	721	654	39	49	15	1	138	-	-	-	-	-	-	-	-
Kitunda	179,588	49,716	13,285	23,039	23,255	1,181	290	2,664	627	67	23	15,793	81,436	-	-	-	-	-	-	-
Msanga Mkuu	233,974	12,853	9,729	21,275	20,689	3,196	1	2,438	85	127	1	212	-	-	-	-	-	-	-	-
Ilmela	183,474	8,244	2,776	2,267	2,368	1,362	350	122,833	155,407	37,588	17,022	63,599	151,509	-	-	-	-	-	-	-
GRAND TOTAL	27,790,048	802,181	437,510	529,589	420,045	144,173	38,760	515,245	155,759	37,618	17,027	63,684	151,513	-	-	-	-	-	-	-

Source: TEMESA, 2022

Table 14: Motor Vehicle and Plant Registration 1st January to 31st December, 2022

Year	Category	Registration					
		Plate Numbers			Type		
		From	To	Total	Motor Vehicle	Motor Cycle	Plant
2018	STL	6057	6773	717	536	181	0
	DEPA	3663	7165	3,503	417	3,046	40
	STA	287	293	7	7	0	0
	PT	4155	4188	34	20	14	0
	CW	6721	6721	1	0	0	1
	MT	349	373	25	15	4	6
	UT	66	250	185	80	105	0
	Total			4,472	1,075	3,350	47
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	1,512	230	36
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			1559	1019	535	5

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Year	Registration						
	Category	Plate Numbers			Type		
		From	To	Total	Motor Vehicle	Motor Cycle	Plant
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
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: MoWT (Works), 2022

3.3 Tanzania Building Agency

Tanzania Building Agency (TBA) is the Government's Executive Agency under the Ministry of Works and Transport (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 15**.

Table 15: Number of Government Houses and Plots Countrywide as of December, 2022

S/N	REGION	PUBLIC SERVANT HOUSES	COMMERCIAL HOUSES	LEADER HOUSES	REST HOUSE	STATE LODGES	WORKSHOP	PLOTS
1	ARUSHA	67	99	19	2	3	1	118
2	DAR ES SALAAM	224	739	85	1	8	2	414
3	DODOMA	1011	117	18	16	6	1	409
4	GEITA	5	45	5	-	-	-	20
5	IRINGA	50	145	12	1	3	1	162
6	KAGERA	59	195	21	2	3	2	96
7	KATAVI	19	33			1	-	11
8	KIGOMA	30	132	21	4	1	-	115
9	KILIMANJARO	44	228	21	3	1	1	133
10	LINDI	106	82	18	5	1	1	91
11	MANYARA	41	61	13	5	-	-	135
12	MARA	49	103	14	1	2	1	83
13	MBEYA	32	52	24	2		1	39
14	MOROGORO	35	160	27	2	-	1	437
15	MTWARA	39	234	25	5	2	2	192
16	MWANZA	226	306	16	8	1	2	314

17	NJOMBE	17	65	9	1	3	-	56
18	PWANI	23	104	19	1	-	-	71
19	RUKWA	39	33	10	2	-	-	82
20	RUVUMA	30	78	18	7	1	1	102
21	SHINYANGA	47	87	18	2	3	-	132
22	SIMIYU	13	20	8	3	-	-	60
23	SINGIDA	16	123	17	2	1	-	105
24	SONGWE	6	70	-	-	-	-	16
25	TABORA	26	110	16	2	1	1	82
26	TANGA	147	690	27	3	2	1	397
TOTAL		2,401	4,111	481	80	43	19	3,872

Source: TBA, 2022

3.4 Roads Fund Board

Road 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

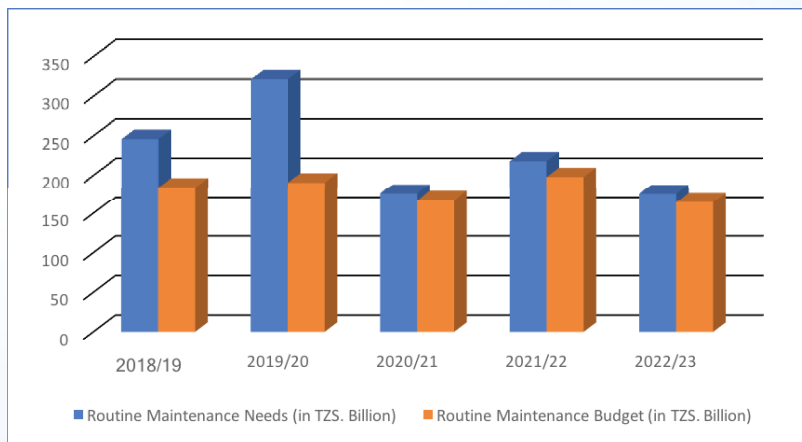
The term periodic maintenance works carried out at intervals of several years. Some activities included here are also referred to as preventative maintenance. Typical activities on paved roads include resealing, overlays of less than 100 mm, fog sprays and shoulder re-forming. Pavement layer reconstruction 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 16** and **Table 17** respectively.

Table 16: Trend Level of Maintenance Coverage of Routine Maintenance Needs as of December, 2022

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	175.45
Routine Maintenance Budget (in TZS. Billion)	183.96	190.16	167.14	197.14	164.56
Percentage Coverage	74.0	59.4	95	90.78	93.8

Source: RFB, 2022

Figure 4: Routine Maintenance Needs Against Budget and Percentage Coverage



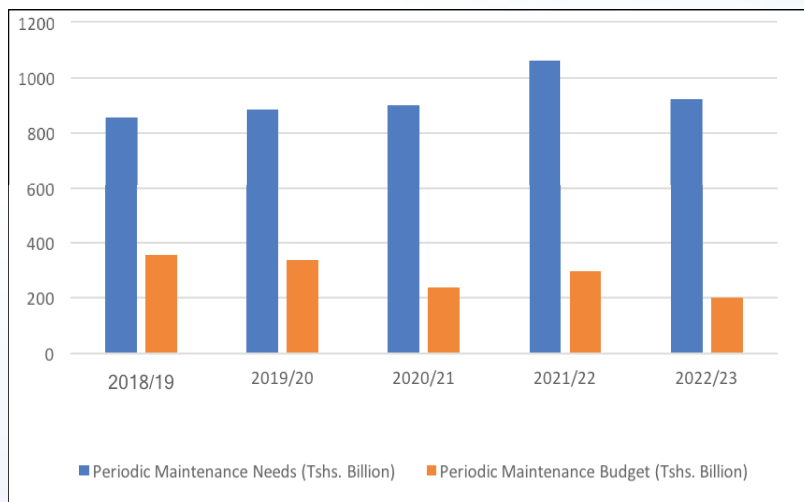
Source: RFB, 2022

Table 17: Trend of Percentage Coverage of Periodic Maintenance Needs as of December, 2022

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, 2022

Figure 5: Periodic Maintenance Needs Against Budget and Percentage Coverage



Source: RFB, 2022

3.5 Contractors Registration Board

The Contractors Registration Board (CRB) is a Government Regulatory Board under the Ministry of Works and Transport (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 18: Number of Registered Contractors by Type and Class as of December 2022

Type	Class										Total
	I			II	III	IV	V	VI	VII		
	L	F	Total								
Building	106	55	161	100	84	380	1141	1218	1830	4914	
Civil Works	62	46	108	61	101	368	1048	1841	1295	4822	
Electrical	40	36	76	45	21	149	291	160	421	1163	
Mechanical	8	19	27	11	7	41	68	81	80	315	
Specialist Building	9	7	16	8	11					35	
Specialist Civil	18	28	46	61	969					1076	
Specialist Electrical	56	36	92	215	241					548	
S p e c i a l i s t Mechanical	65	46	111	136	263					510	
Subtotal -Permanent	364	273	637	637	1697	938	2548	3300	3626	13383	
Temporary	105	255	360	43	70	81	80	15	2	651	
GRAND TOTAL	469	528	997	680	1767	1019	2628	3315	3628	14034	

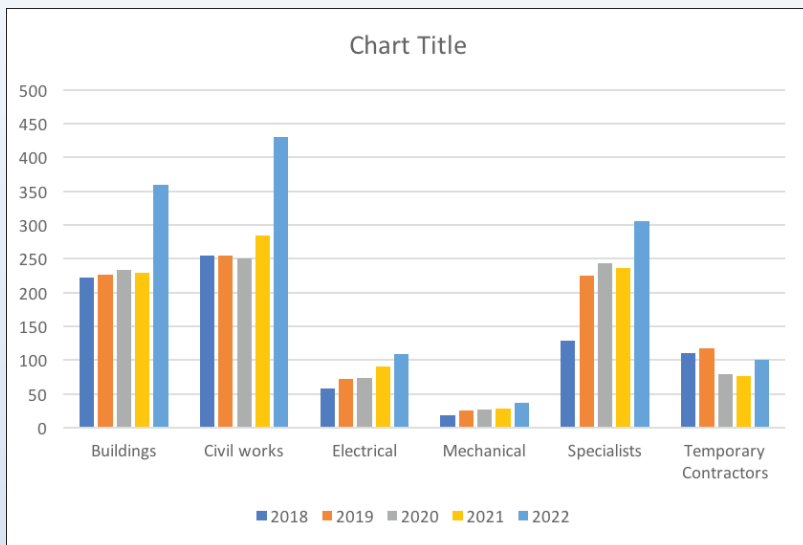
Source: CRB, 2022

Table 19: Number of Registered Contractors by Type, -Annually

Years/ Type	Buildings	Civil works	Electrical	Mechanical	Specialists	Temporary Contractors
2018	222	255	58	18	129	110
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

Source: CRB, 2022

Figure 6: Number of Registered Contractors by Type



Source: CRB, 2021

Table 20: Cumulative Number of Registered Building Contractors by Class

Class	2018	2019	2020	2021	2022
I	157	164	135	146	161
II	55	59	60	79	100
III	71	77	67	73	84
IV	291	312	326	346	380
V	845	918	982	1037	1141
VI	839	912	994	1080	1218
VII	1670	1649	1761	1793	1830
TOTAL	3,928	4091	4325	4554	4914

Source: CRB, 2022

Table 21: Number of Registered Building Contractors

Class	2018	2019	2020	2021	2022
One	6	7	3	11	15
Two	2	4	9	19	21
Three	4	6	3	6	11
Four	22	21	23	20	34
Five	64	73	66	55	104
Six	66	73	81	86	138
Seven	58	42	49	32	37
TOTAL	222	226	234	229	360

Source: CRB, 2022

Table 22: Cumulative Number of Civil Contractors by Class

Class	2018	2019	2020	2021	2022
I	125	134	94	101	108
II	24	30	29	43	61
III	71	76	70	80	101
IV	280	301	309	336	368
V	730	805	857	927	1048
VI	1290	1397	1504	1639	1841
VII	1178	1210	1245	1266	1295
Total	3,698	3953	4108	4392	4822

Source: CRB, 2022

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 23: Number of Engineering Consulting Firms Registration by Category as of December, 2022

Category	2018	2019	2020	2021	2022
Local firm	10	10	17	8	15
Foreign Firm	9	6	5	3	5
Total	19	16	22	11	20

Source: ERB, 2022

Table 24: Registration of Engineers by Discipline as of December, 2022

Discipline	Category							Total	%
	GIE	GE	IE	PE	TPE	CE	TCE		
Civil	270	7689	189	4003	1731	337	119	14338	41.66328
Mechanical/Industrial/ Automobile	156	3233	87	1018	278	41	10	4823	14.01465
Electrical	149	3618	140	1158	259	48	13	5385	15.6477
Electronics & Telecommunications	104	1785	45	338	100	13	2	2387	6.936131
Environmental	27	907	22	310	24	18	3	1311	3.809496

Mining/Mineral Processing/ Petroleum/Gas		1390	2	285	91	4	2	1774	5.154879
Aeronautical		37		6				43	0.124949
Agricultural/Irrigation& Water Resources	2	1274	1	227	23	3	2	1532	4.451677
Chemical & Process	1	692	2	178	18	3	1	895	2.600686
Marine	16	24	5	26	6			77	0.223746
Computer & IT		1085		107	21	1		1214	3.527634
Textile		41		4	2			47	0.136572
Geotechnical/Geology		87		21	117	5	1	231	0.671238
Food and Biochemical		90		15				105	0.305108
Electromechanical		151	1	57	11	7	1	228	0.662521
Biomedical		24						24	0.069739
TOTAL	725	22,127	494	7,753	2681	480	154	34,414	100

Source: ERB, 2022

Table 25: Registered Engineering Consulting Firms as of December, 2022**Category 1: Local Engineering Consulting Firms**

S/N	Category	Number of Registered Firms					Total
		2018	2019	2020	2021	2022	
1	Civil/Structural	5	4	11	4	8	32
2	Electrical	1	3	1	-	4	9
3	Mechanical	0	3	4	1	2	10
4	Water Resources	0	0		2	1	3
5	Electronics/ Telecoms	1	0		-		1
6	Mining	0	0		-		0
7	ICT	0	0		-		0
8	Environmental	3	0	1	1		5
Total		10	10	17	8	15	60

Source: ERB, 2022

Category 2: Foreign Engineering Consulting Firms

S/N	Category	Number of Registered Firms					Total
		2018	2019	2020	2021	2022	
1	Civil/Structural	8	5	2	3	4	22
2	Electrical	1	1	2	-		4
3	Mechanical	0	0		2	1	3
4	Water Resources	0	0		-		0
5	Electronics/Telecoms	0	0	1	-		1
6	Mining	0	0		-		0
7	ICT	0	0		-		0
8	Environmental	0	0		-		0
Total		9	6	5	5	5	30

Source: ERB, 2022

Category 3: Total Local and Foreign Firms, (2018 -2022)

S/N	Category	Number of Registered Firms					Total
		2018	2019	2020	2021	2022	
1	Civil/Structural	13	9	13	7	12	54
2	Electrical	2	4	3	-	4	13
3	Mechanical	0	3	4	3	3	13
4	Water Resources	0	0		2	1	3
5	Electronics/ Telecoms	1	0	1	-		2
6	Mining	0	0		-		0
7	ICT	0	0		-		0
8	Environmental	3	0	1	1		5
Total		19	16	22	13	20	90

Source: ERB, 2022

3.7 Architects and Quantity Surveyors Registration Board (AQRB)

Table 26: Professional Registered Architects, Interior Designers, Landscape Architect, Quantity -Surveyors, Building Surveyors Construction Managers, Project Manager and Practicing Firms– Cumulatively as of 31st December, 2022

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
2018	445	31	476	451	2	453	19		19	4		4	9		9	27		27	3		3			3
2019	486	30	516	497	2	499	21		21	4		4	10		10	34		34	3		3			3
2020	507	30	537	543	2	545	23		23	5		5	11		11	35		35	3		3			3
2021	549	31	580	637	2	639	24	-	24	6	-	6	17	-	17	35	-	35	6		6			6
2022	559	32	591	624	3	627	27	-	27	7	-	7	20	-	20	24	-	24	36	-	36	6	-	6

Source: AQRB, 2022

Year	Architectural firms			Quantity Surveying firms			Building Surveying firm			Interior Design firm		
	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total
2022	268	5	273	152	1	153	1	-	1	1	-	1

Source: AQRB, 2022

Table 27: 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
2018	166	18	7	176	23	28	21	18	27
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

Source: AQRB, 2022

Table 28: Firms Registered Architectural, Quantity Surveying, Building Surveying and Interior Design: Cumulatively as on 31st December, 2022

Year	Architectural Firms		Quantity Surveyors Firms		Building Surveyors Firms		Interior Design Firms		
	local	foreign	total	local	foreign	total	local	foreign	total
2020	255	9	264	139	1	140	1		1
2021	266	9	275	146	1	147	1		1
2022	266	9	275	146	1	147	1		1

Source: AQRB, 2022

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 29: Labour/Material Indices

Base Date	Unskilled Labour	Cement	Reinforcement	Aggregate	Z- Purlin	Corrugated Iron Sheets	Soft wood	Hard wood	Emulsion Paint	Galvanized Steel Pipes	Fuel-Diesel
January, 2021	22358.06	3510.56	1938.61	2473.65	2338.97	361.43	3705.57	5261.88	534.21	3705.13	7533.33
February	22358.06	3510.56	2132.47	2473.65	2338.97	361.43	3705.57	5261.88	608.10	3705.13	8128.89
March	22358.06	3510.56	2132.47	2473.65	2338.97	361.43	3705.57	5261.88	608.10	3705.13	8493.33
April	22358.06	3510.56	2132.47	2473.65	2338.97	361.43	3705.57	5261.88	608.10	3705.13	8871.11
May	22358.06	3510.56	2132.47	2473.65	2338.97	361.43	3705.57	5261.88	608.10	3705.13	9057.78
June	22358.06	3510.56	2132.47	2473.65	2338.97	361.43	3705.57	5261.88	608.10	3705.13	9213.33
July	22358.06	3510.56	2132.47	2473.65	2338.97	361.43	3705.57	5261.88	608.10	3705.13	9844.44
August	22358.06	3510.56	2132.47	2473.65	2338.97	361.43	3705.57	5261.88	608.10	3705.13	10004.44
September	22358.06	3510.56	2132.47	2473.65	2338.97	361.43	3705.57	5261.88	608.10	3705.13	10004.44
October	22358.06	3756.24	2200.32	2355.85	2328.21	505.67	6239.25	6998.49	608.10	2844.42	10048.89
November	22358.06	3756.24	2200.32	2355.85	2328.21	505.67	6239.25	6998.49	804.61	2844.42	9968.89
December	22358.06	3756.24	2200.32	2355.85	2701.52	573.02	6239.25	6998.49	804.61	2844.42	10631.11
January 2022	22358.06	3756.24	2200.32	2355.85	2475.57	591.64	6239.25	6998.49	804.61	2824.81	10333.33

Base Date	Unskilled Labour	Cement	Reinforcement	Aggregate	Z'-Purlin	Corrugated Iron Sheets	Soft wood	Hard wood	Emulsion Paint	Galvanized Steel Pipes	Fuel-Diesel
February	22358.06	3756.24	2200.32	2355.85	2475.57	591.64	6239.25	6998.49	804.61	2824.81	10391.11
March	22358.06	3756.24	2520.19	2355.85	3302.04	591.64	6239.25	6998.49	804.61	2824.81	10680.00
April	22358.06	3756.24	2520.19	2355.85	3363.75	553.06	6239.25	6998.49	804.61	2019.30	11964.44
May	22358.06	3756.24	2810.98	2355.85	3379.85	553.06	6558.85	6480.08	804.61	1921.15	14480.00
June	22358.06	3756.24	2738.29	2944.82	3379.85	565.28	6558.85	7776.10	804.61	1920.90	13915.56
July	22358.06	3943.12	2714.05	2355.85	3477.33	565.28	6558.85	7175.29	804.61	1998.33	13968.89
August	22358.06	3943.12	2714.05	2355.85	3389.62	553.06	6558.85	8292.05	804.61	1920.90	14764.44
September	22358.06	3943.12	2714.05	2355.85	3389.62	553.06	6558.85	7176.47	804.61	1920.90	13888.89
October	22358.06	3943.12	2471.73	2355.85	2807.05	476.73	6558.85	7662.58	804.61	1998.33	13702.22
November	22358.06	3943.12	2423.26	2650.34	2807.05	482.91	6558.85	7662.58	804.61	1998.33	13564.44
December	22358.06	3943.12	2423.26	2355.85	2807.05	476.73	6558.85	7662.58	804.61	1998.33	14431.11

Source: NCC, 2022

3.9 Institute of Construction Technology (ICoT)

The Ministry of Works and Transport (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 and Transport (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 2022/23

(i) Basic Technician Certificate Courses (NTA LEVEL 4)

S/N	Course Title	Number of Students		
		Male	Female	Total
1	Mechanical	16	1	17
2	Civil	13	4	17
3	Electrical	35	5	40
	TOTAL	64	10	74

Source: ICoT, 2022

(ii) Technician Certificate Courses (NTA LEVEL 5)

S/N	Course Title	Number of Students		
		Male	Female	Total
1	Mechanical	8	0	8
2	Civil	9	2	11
3	Electrical	21	1	22
	TOTAL	39	3	41

Source: ICoT, 2022

(iii) Ordinary Diploma (NTA LEVEL 6)• **First Year**

S/N	Course Title	Number of Students		
		Male	Female	Total
1	Mechanical	8	2	10
2	Civil	7	1	8
3	Electrical	4	2	6
	TOTAL	19	5	24

Source: ICoT, 2022

(iv) Vocational Education and Training (VET)• **First Year**

S/N	Course Title	Number of Students		
		Male	Female	Total
1	Auto Electric	32	6	38
2	Civil Draughting	4	1	5
3	Domestic Electrical installation	69	15	84
4	Masonry and Brick laying	1	0	1
5	Motor Vehicle Mechanics	34	0	34
6	Plumbing and Pipe Fittings	23	20	43
7	Road Construction	3	2	5
8	Welding and Metal Fabrication	2	0	2
	TOTAL	168	44	212

Source: ICoT, 2022

• **Second Year**

S/N	Course Title	Number of Students		
		Male	Female	Total
1	Auto Electric	30	1	31
2	Civil Draughting	5	0	5
3	Domestic Electrical installation	37	11	48
4	Masonry and Brick laying	1	0	1
5	Motor Vehicle Mechanics	24	0	24
6	Plumbing and Pipe Fittings	15	18	33
7	Road Construction	8	3	11
8	Welding and Metal Fabrication	7	0	7
	TOTAL	127	33	160

Source: ICoT, 2022

• **Short Courses**

S/N	Course Title	Number of Students		
		Male	Female	Total
1	Basic Motor Vehicle Driving	236	35	271
2	Passengers Service Vehicle (PSV) Driving	39	0	39
3	Moto grader Operation	7	0	7
	TOTAL	282	35	317

Source: ICoT, 2022

CHAPTER FOUR

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 30**.

Table 30: Local Roads Network Length (km) as of December, 2022

S/No		Category	Road Type	Length (Km)	Length out of total Local Roads (percent)	
	Local Roads	Collector	Paved	1,491.19	1.03	
			Unpaved	55,172.89	38.20	
		Community	Paved	33.21	0.02	
			Unpaved	18,766.29	12.99	
		Feeder	Paved	1,323.08	0.92	
	Unpaved		67,643.12	46.83		
		Total Local Roads			144,429.77	100

Source: TARURA, 2022

Table 31: Road Condition of District Roads as of December, 2022

Road Class Category	Surface Category	Road Condition (km)							
		Good		Fair		Poor		Total	
		Km	(%)	Km	(%)	Km	(%)	Km	(%)
Collector	Paved	1,188.48	79.70	230.52	15.46	72.19	4.84	1,491.19	1.03
	Unpaved	20,022.86	36.29	19,705.00	35.72	15,445.03	27.99	55,172.89	38.20
	Sub total	21,211.34	37.43	19,935.52	35.18	15,517.22	27.38	56,664.08	39.23
Community	Paved	24.48	73.72	3.10	9.34	5.63	16.94	33.21	0.02
	Unpaved	2,728.61	14.54	5,272.89	28.10	10,764.79	57.36	18,766.29	12.99
	Sub total	2,753.09	14.64	5,275.99	28.06	10,770.41	57.29	18,799.50	13.02
Feeder	Paved	964.17	72.87	254.21	19.21	104.70	7.91	1,323.08	0.92
	Unpaved	13,959.89	20.64	22,842.25	33.77	30,840.98	45.59	67,643.12	46.83
	Sub total	14,924.05	21.64	23,096.46	33.49	30,945.68	44.87	68,966.20	47.75
TOTAL		38,888.48	26.93	48,307.97	33.45	57,233.31	39.63	144,429.77	100

Source: TARURA, 2022

Table 32: Employments Generated During implementation of Development Projects as of December, 2022

Year	Agency	Project name	Number of employments		Total
			Male	Female	
2018	TANROADS	Trunk Roads	13,795	706	14,501
		Regional Roads			
		Airports			
	TEMESA	Ferry Projects	161	33	194
	TBA	Building Project	1015	204	1219
TOTAL					15,914
2019	TANROADS	Trunk Roads	13,686	1,075	14,761
		Regional Roads	3,434	560	3,994
		Airports	2,212	367	2,579
	TEMESA	Ferry Projects	360	101	461
	TBA	Building Project	1,480	310	1,790
TOTAL					23,585
2020	TANROADS	Trunk Roads	1338	134	1,472
		Regional Roads	7,655	1270	8,925
		Airports	117	17	134
	TEMESA	Ferry Projects	194	69	263
	TBA	Building Project	727	341	1,068
TOTAL					11,862
2021	TANROADS	Trunk Roads	11,267	898	12,165
		Regional Roads	6,090	1,149	7,239
		Airports	695	66	761
	TEMESA	Ferry Projects	98	35	133
	TBA	Building Project	2684	1025	3709

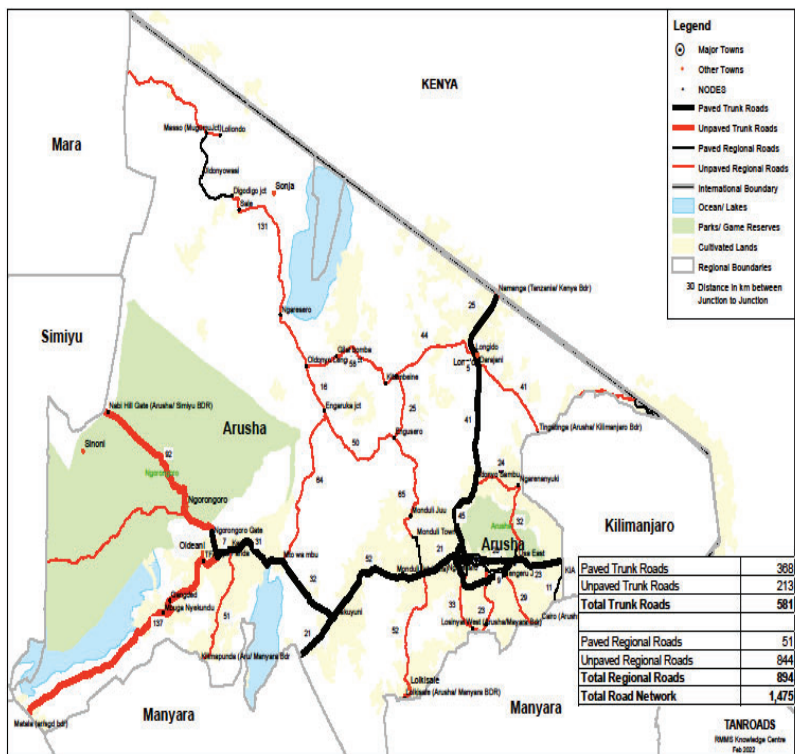
Basic Statistics and Information in Construction Industry (2022)

2022	TANROADS	Trunk Roads	9,833	1,092	10,925
		Regional Roads	6,209	1,370	7,549
		Airports	647	52	699
	TEMESA	Ferry Projects	649	263	912
	TBA	Building Project	23,024	4,508	27,532
TOTAL					47,617

Source: TANROADS/TEMESA/TBA, 2022

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

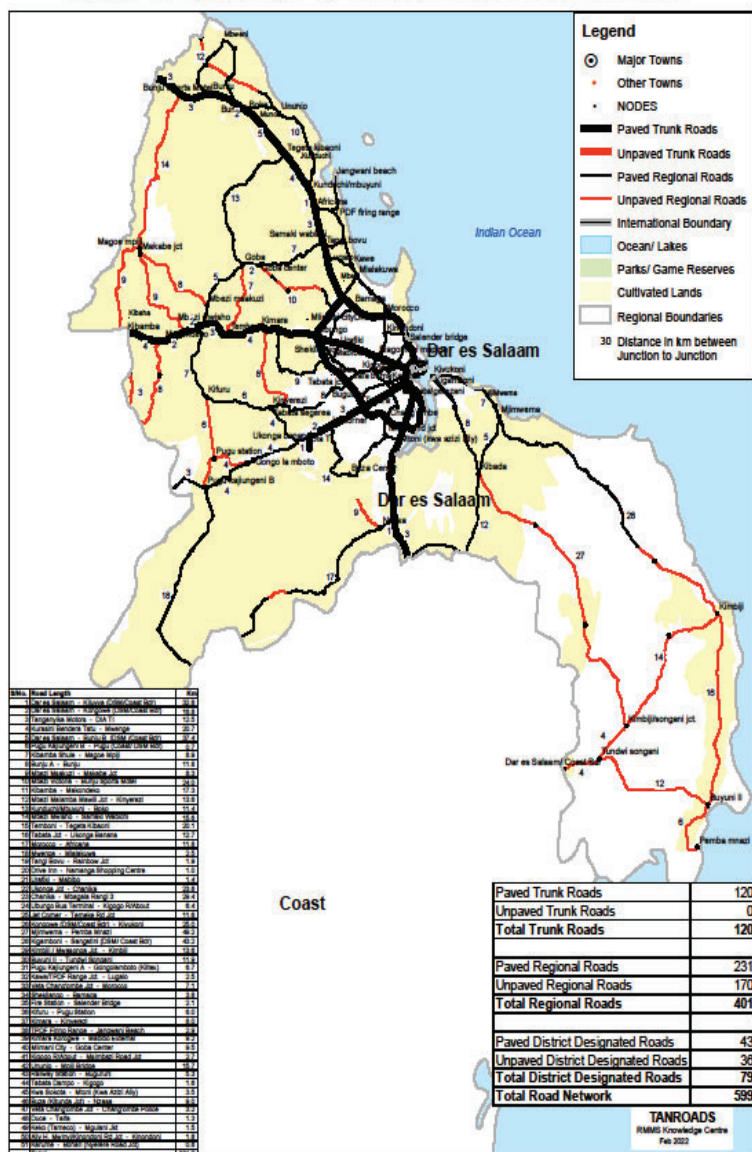
ARUSHA REGION ROADS NETWORK



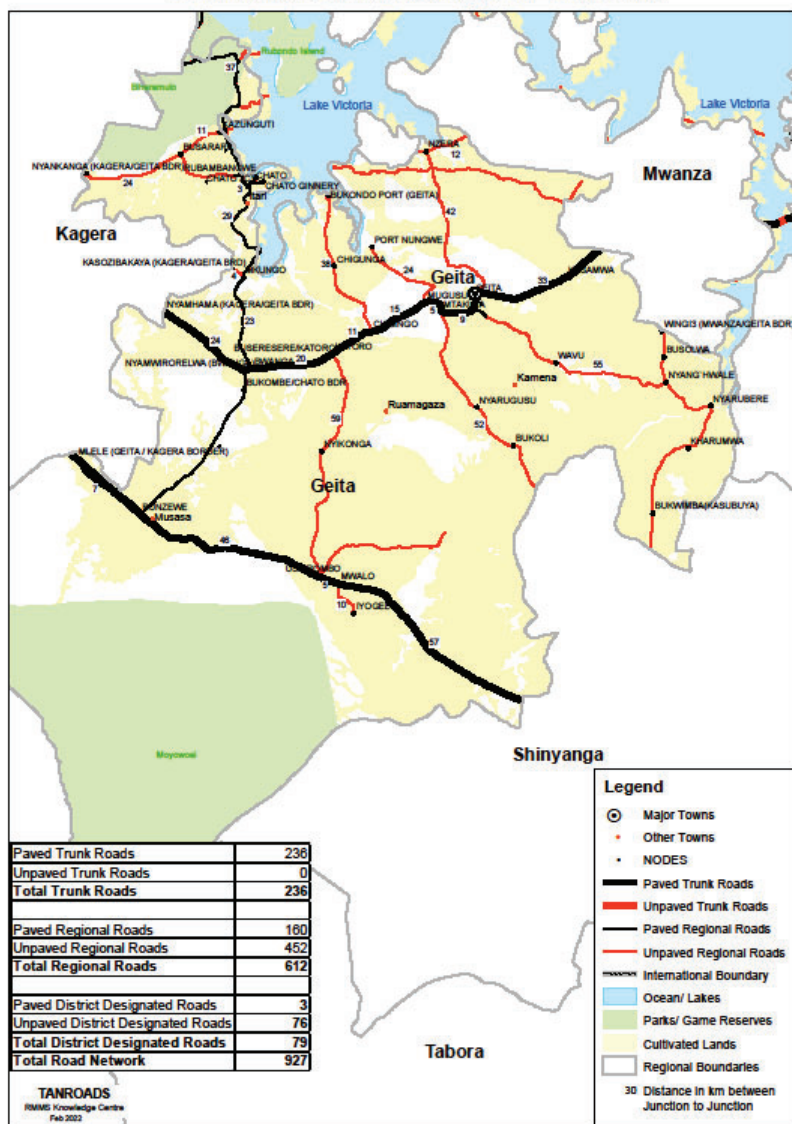
COAST REGION ROADS NETWORK



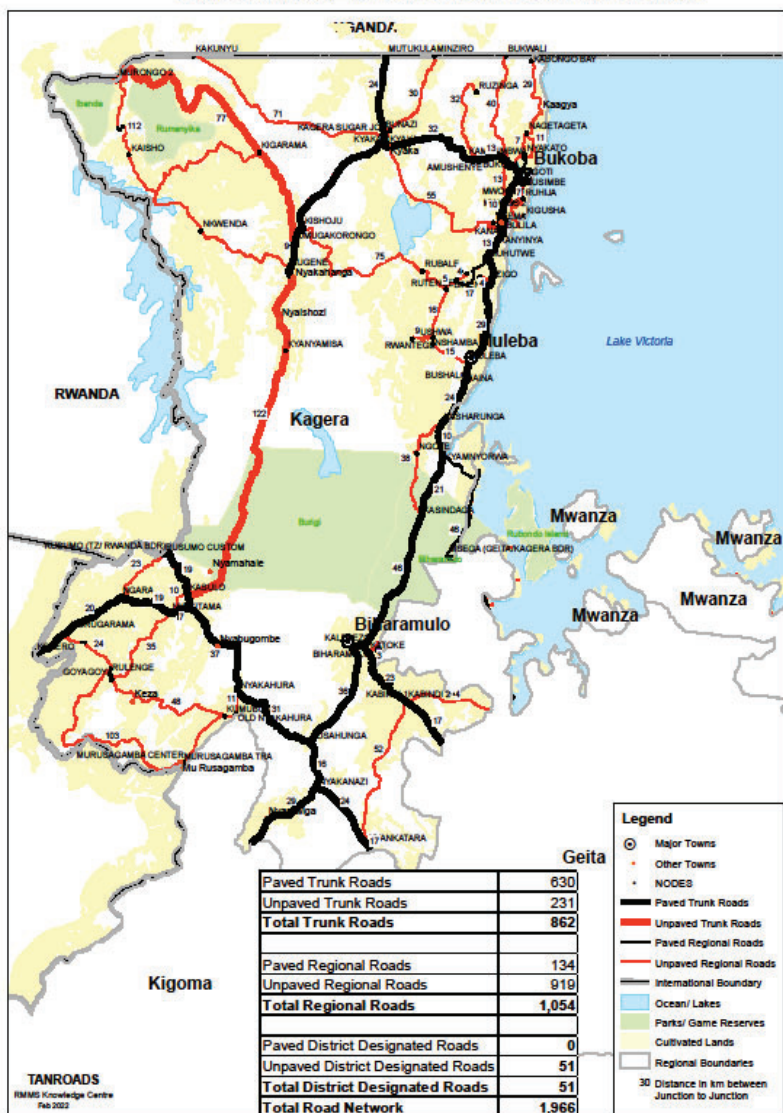
DAR ES SALAAM REGION ROADS NETWORK



GEITA REGION ROADS NETWORK

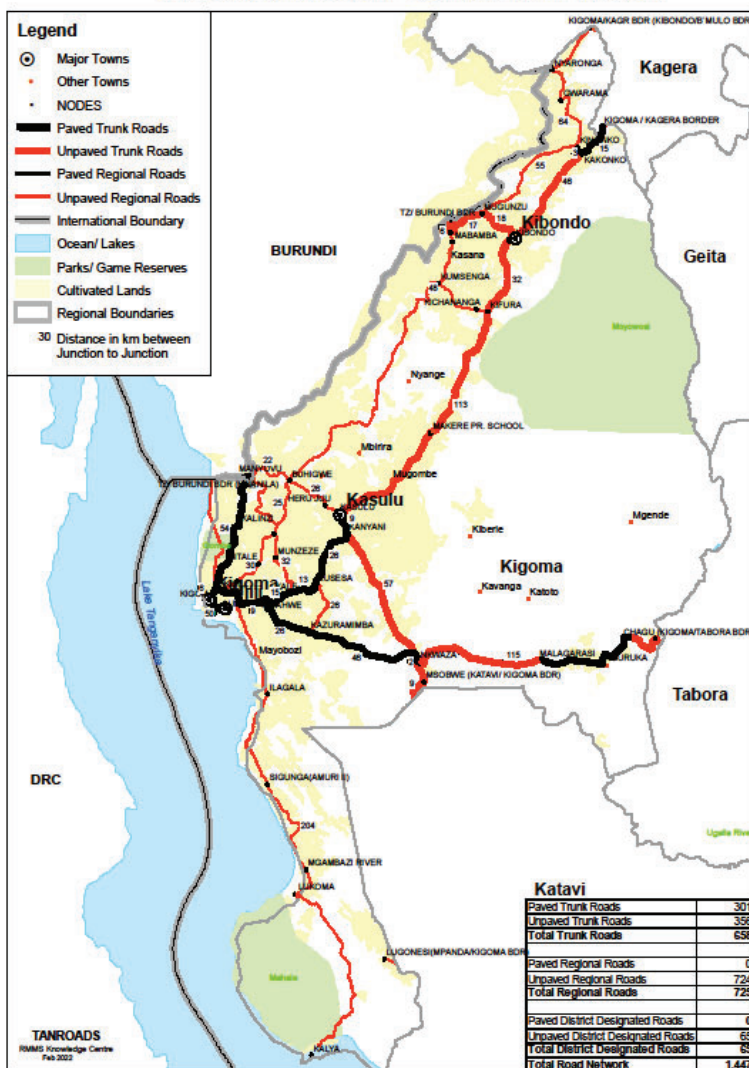


KAGERA REGION ROADS NETWORK

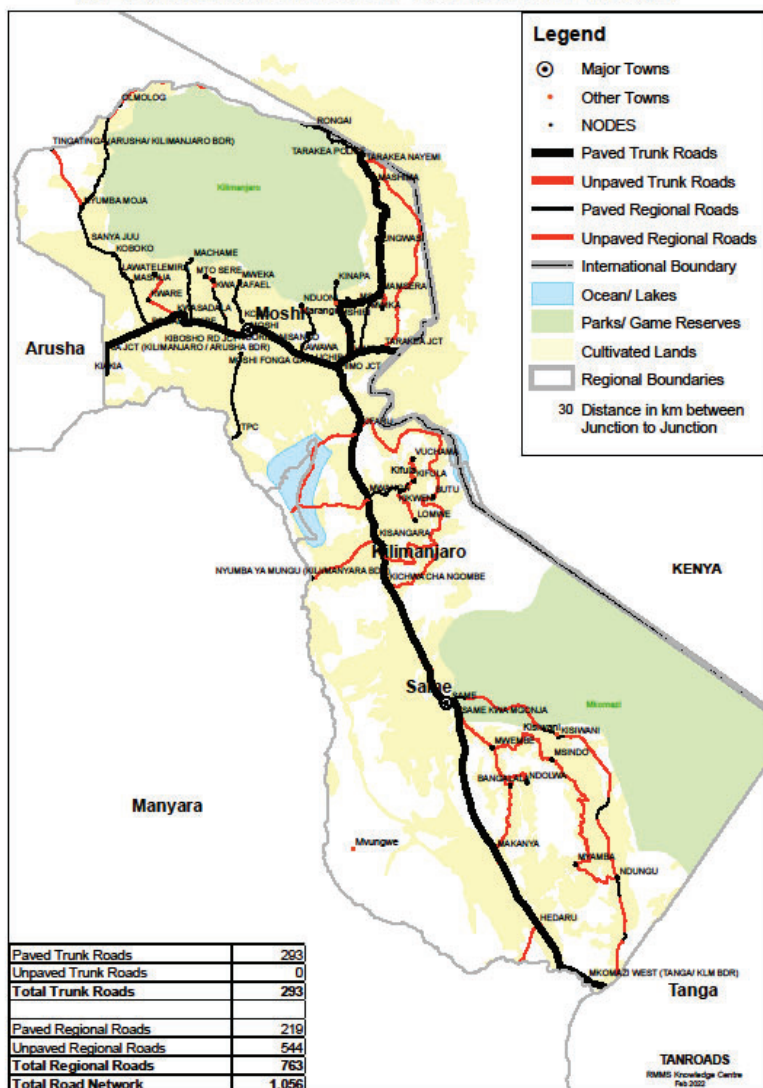




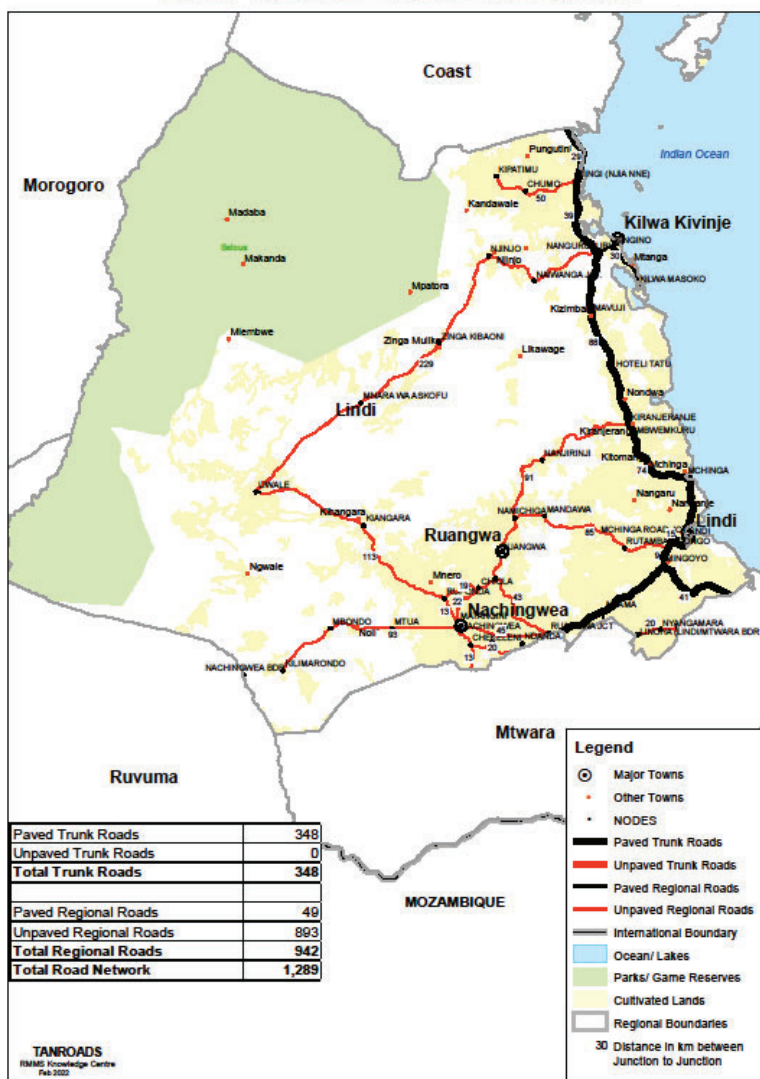
KIGOMA REGION ROADS NETWORK

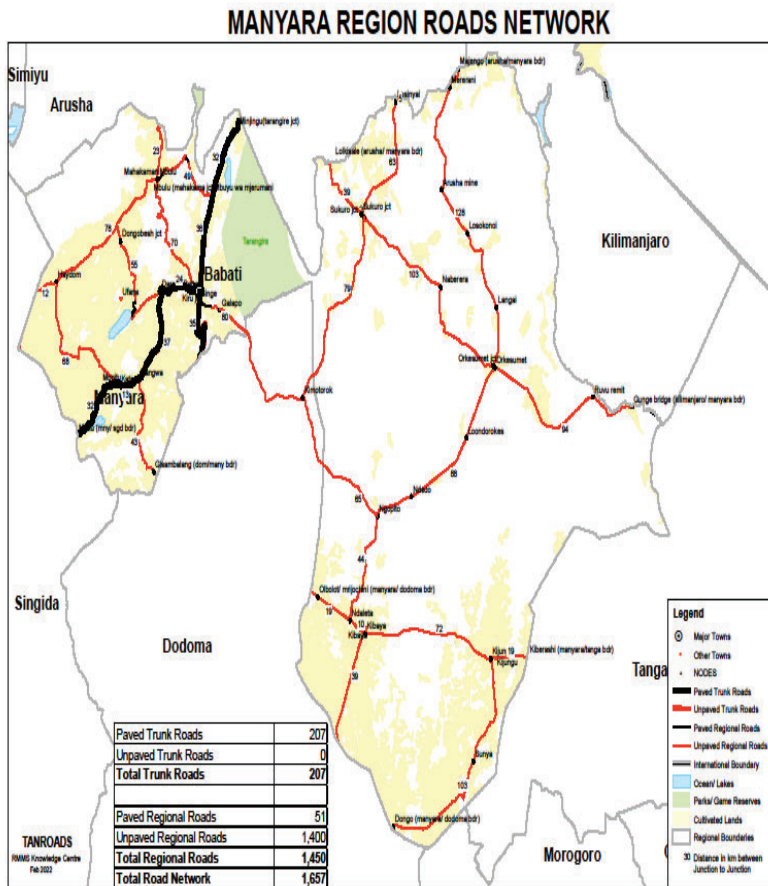


KILIMANJARO REGION ROADS NETWORK

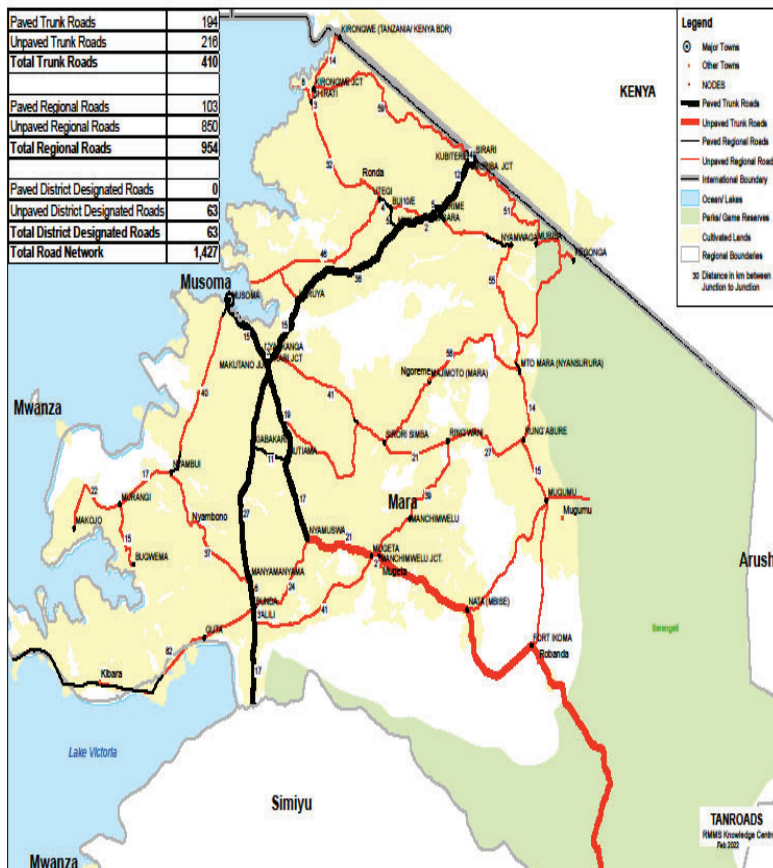


LINDI REGION ROADS NETWORK

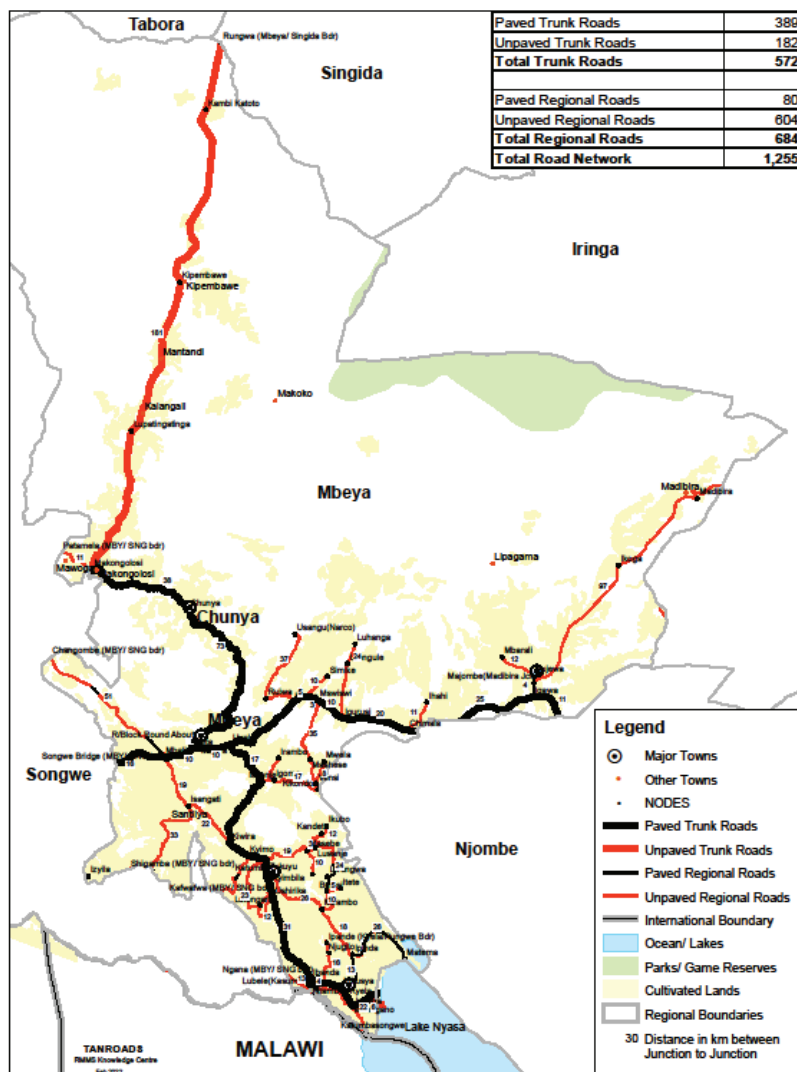




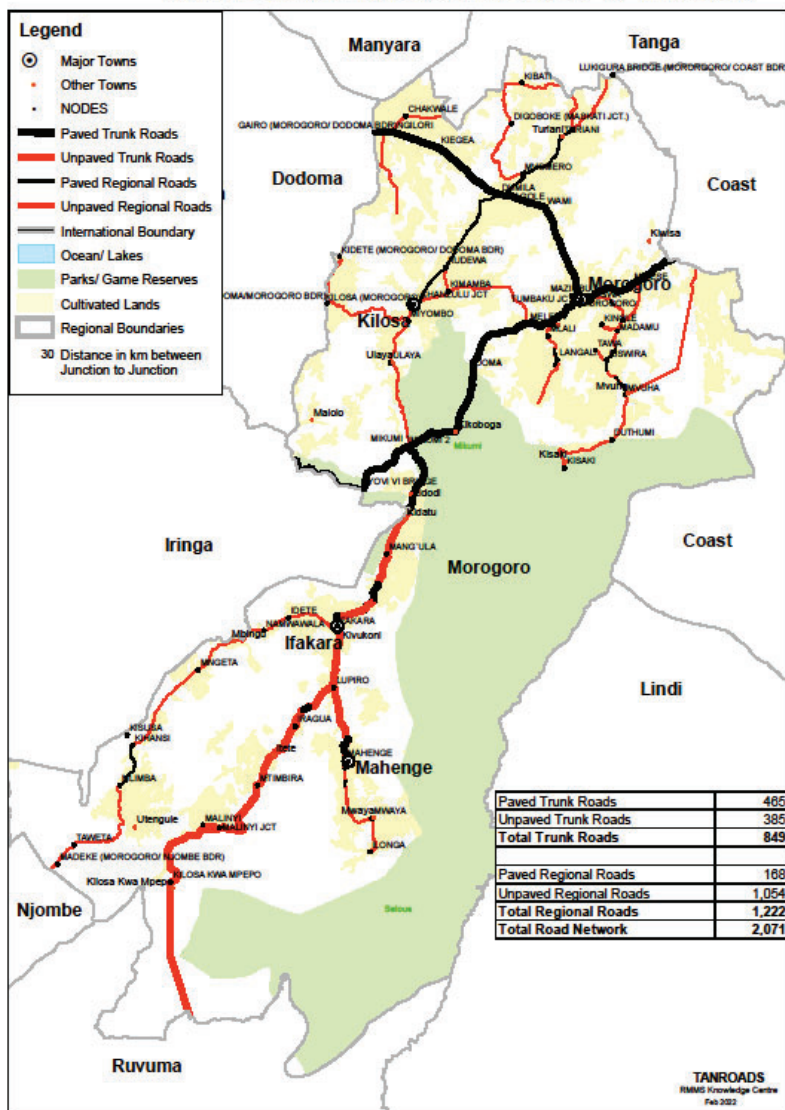
MARA REGION ROADS NETWORK



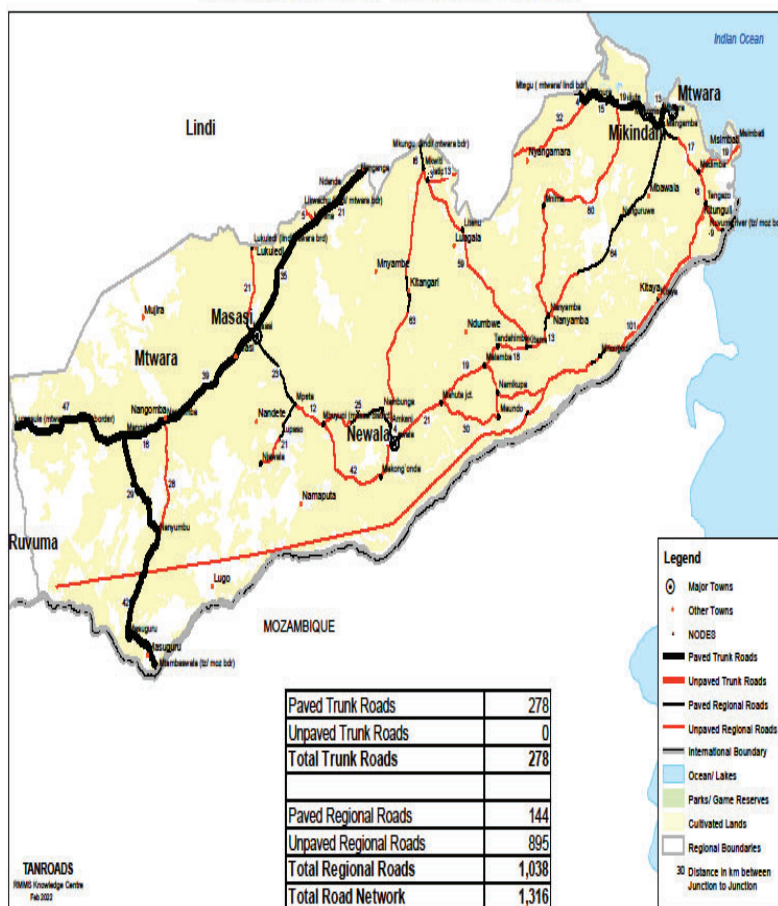
MBEYA REGION ROADS NETWORK



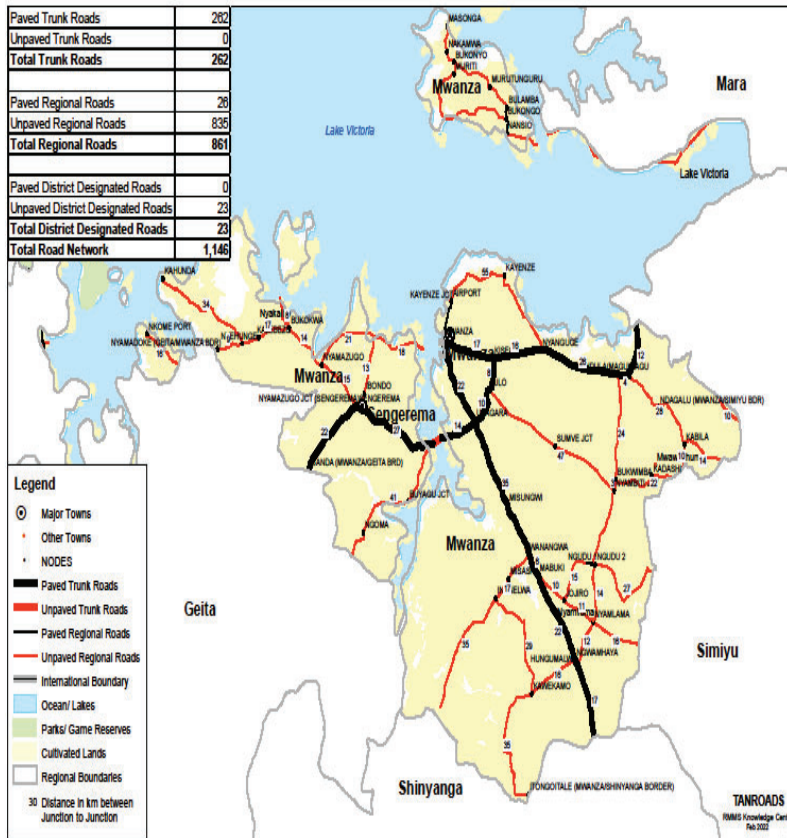
MOROGORO REGION ROADS NETWORK



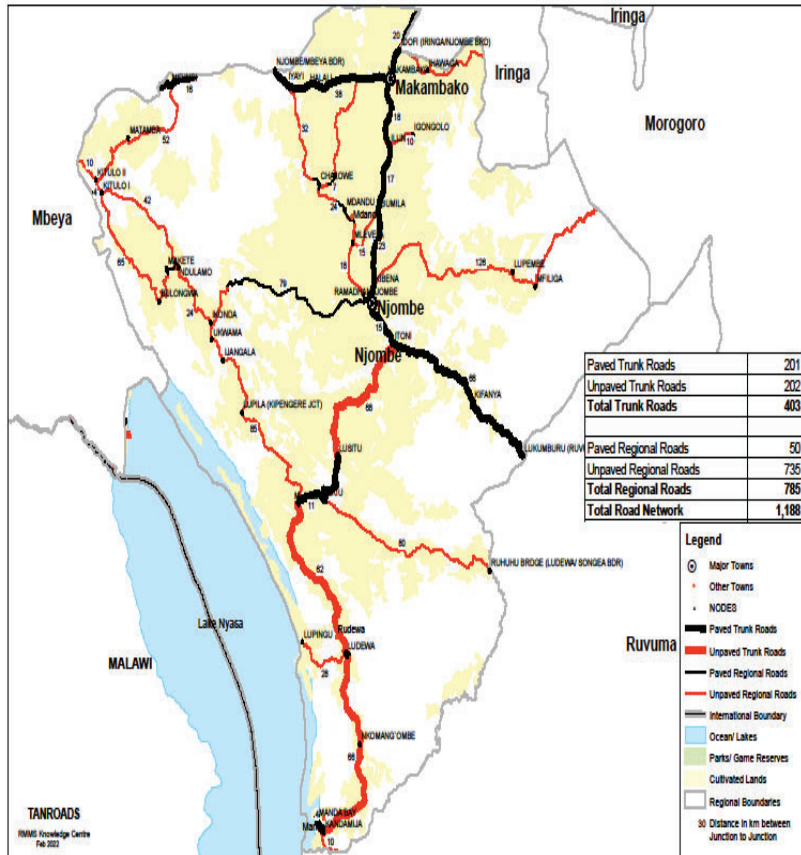
MTWARA REGION ROADS NETWORK



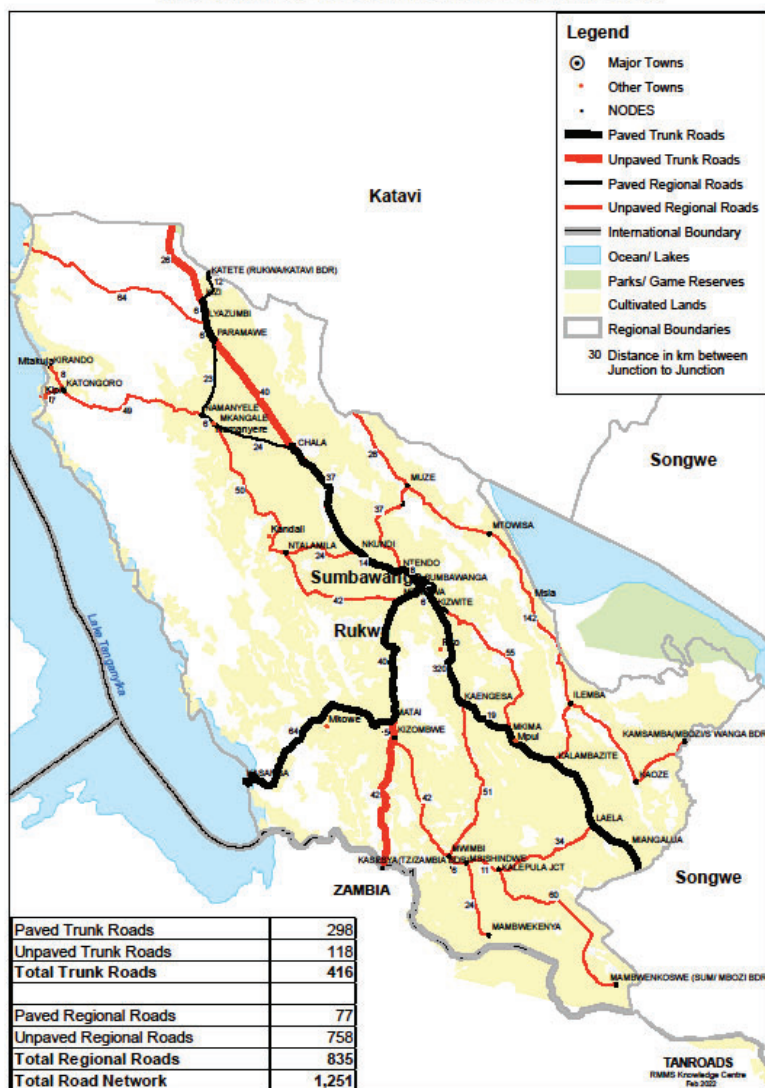
MWANZA REGION ROADS NETWORK



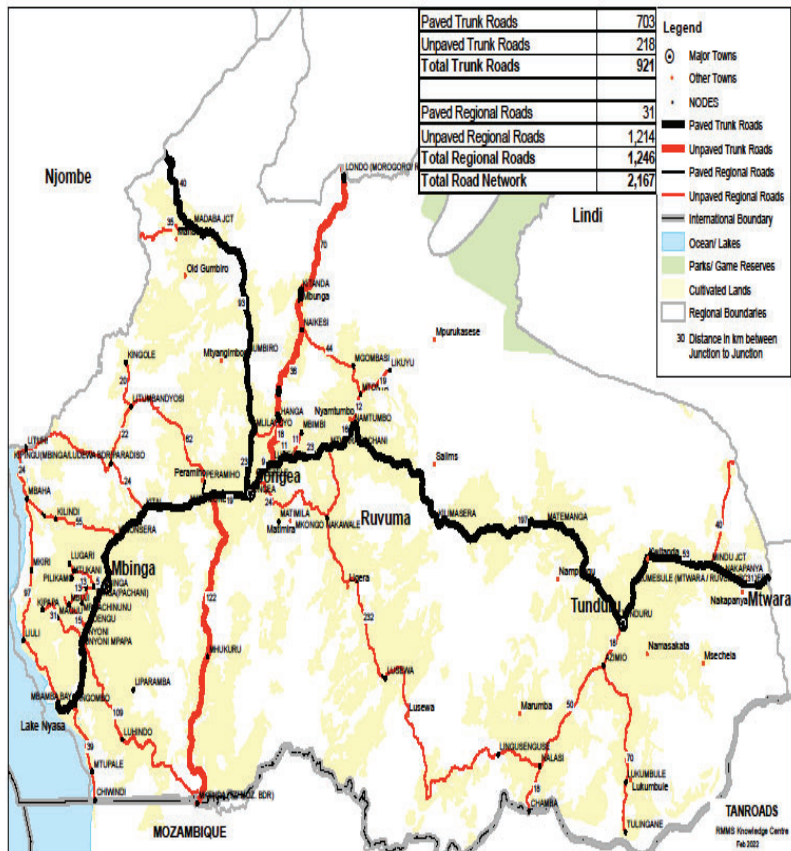
NJOMBE REGION ROADS NETWORK



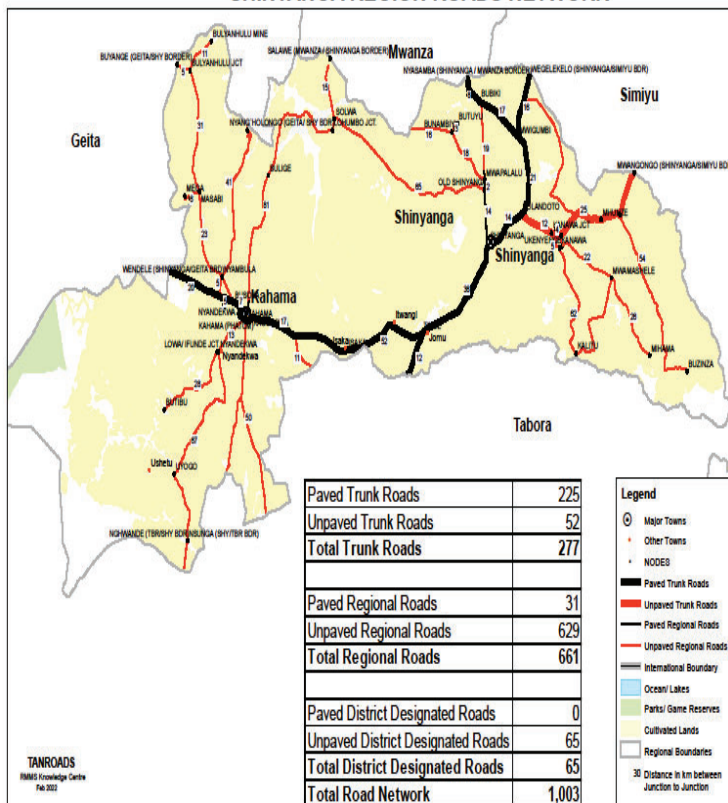
RUKWA REGION ROADS NETWORK



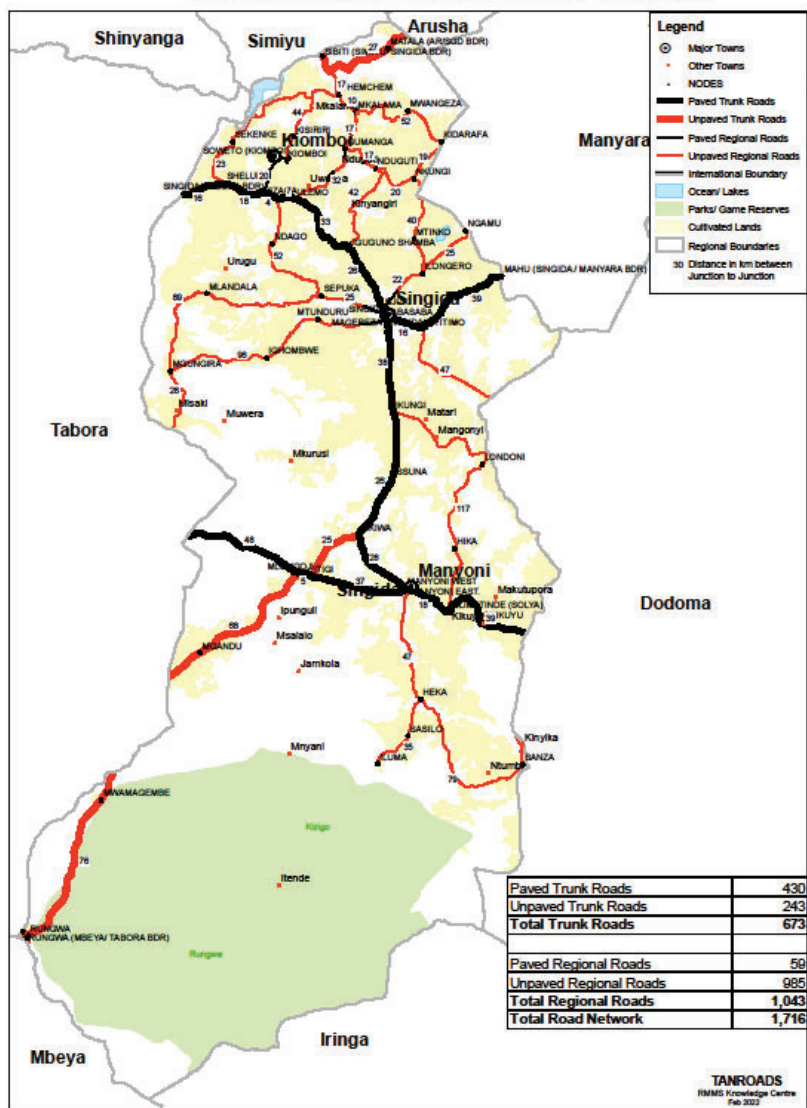
RUVUMA REGION ROADS NETWORK



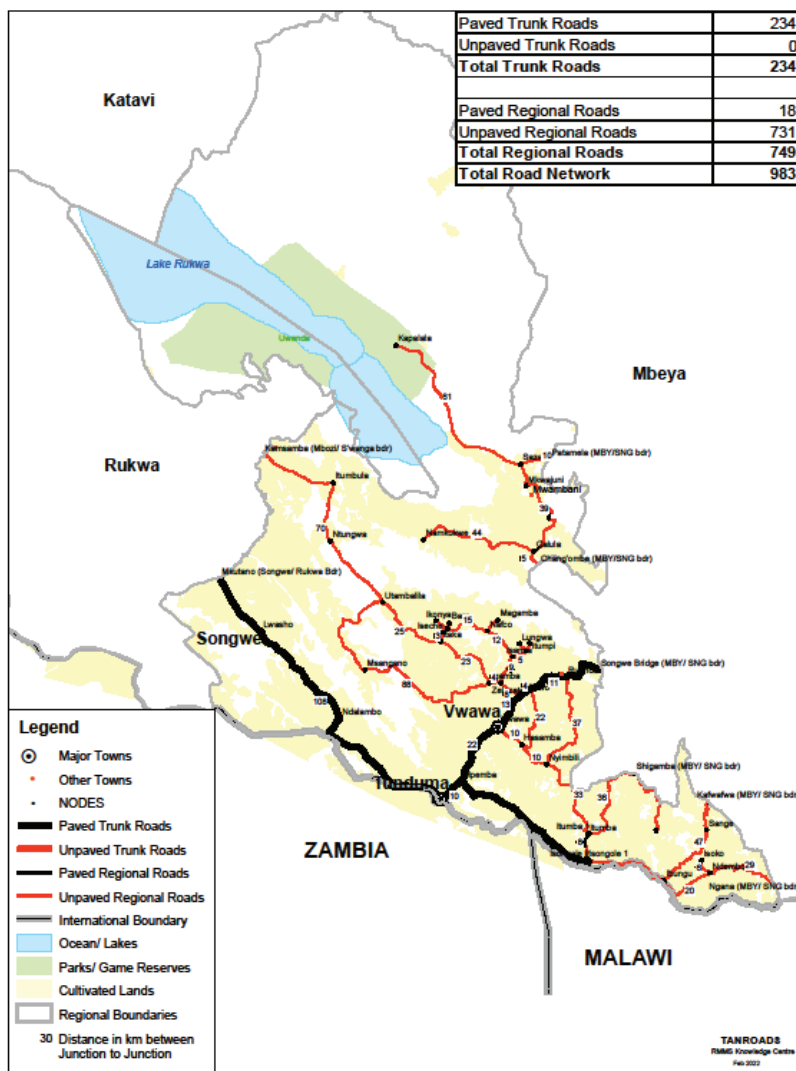
SHINYANGA REGION ROADS NETWORK



SINGIDA REGION ROADS NETWORK

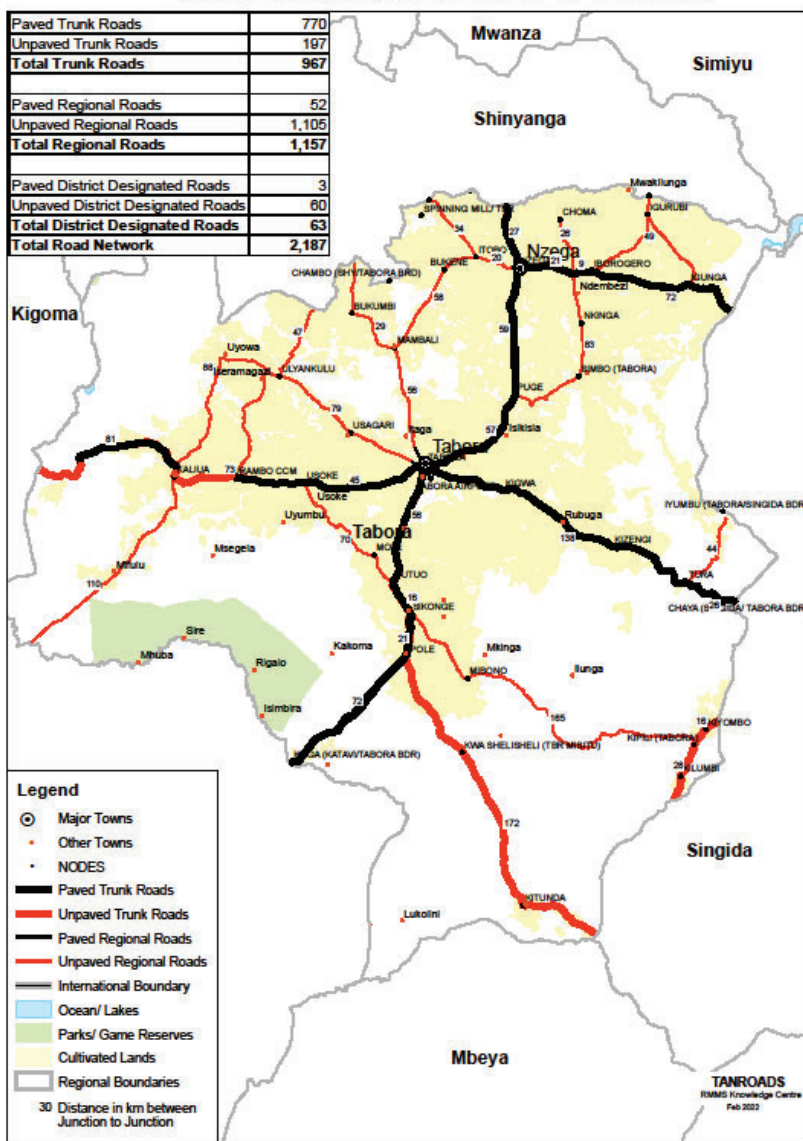


SONGWE REGION ROADS NETWORK



TABORA REGION ROADS NETWORK

Paved Trunk Roads	770
Unpaved Trunk Roads	197
Total Trunk Roads	967
Paved Regional Roads	52
Unpaved Regional Roads	1,105
Total Regional Roads	1,157
Paved District Designated Roads	3
Unpaved District Designated Roads	60
Total District Designated Roads	63
Total Road Network	2,187



TANGA REGION ROADS NETWORK

