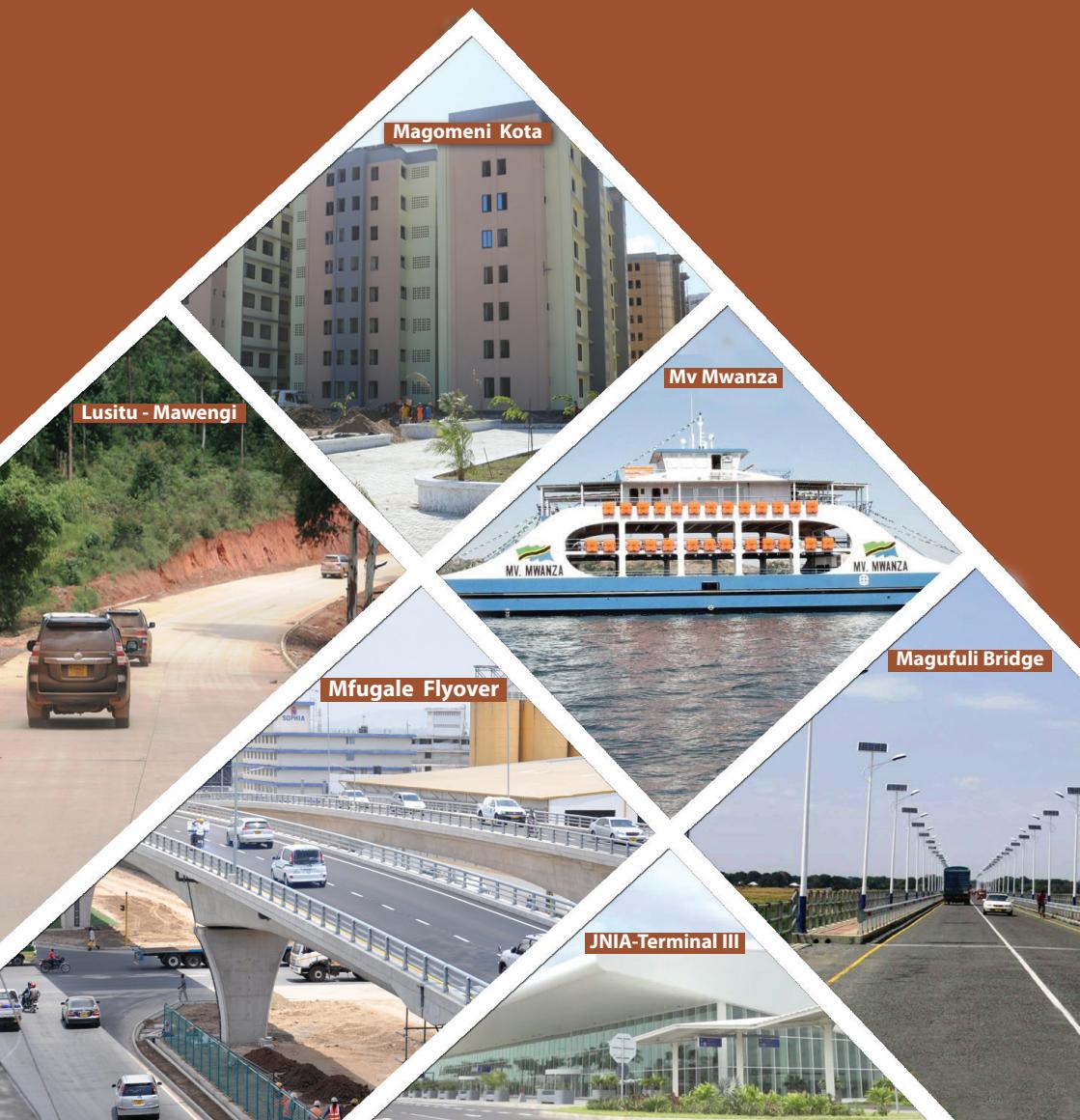


THE UNITED REPUBLIC OF TANZANIA



MINISTRY OF WORKS AND TRANSPORT (WORKS SECTOR) Basic Statistics and Information in Construction Industry (2020)



THE UNITED REPUBLIC OF TANZANIA



MINISTRY OF WORKS AND TRANSPORT (WORKS SECTOR)

Basic Statistics and Information in Construction Industry (2020)

**GOVERNMENT CITY - MTUMBA
P. O. BOX 2888
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JULY, 2021

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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, repaired, maintained and demolished. Thus, the realization of Vision 2025 partly depends on existence of a reliable and competitive local construction industry that is capable of delivering quality services and value for money in the development and maintenance of the physical infrastructure.

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 realised 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/programmes.

In realization of the importance of the above facts, the Ministry of Works, Transport and Communication (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 booklet contains key basic statistics in Construction Industry at national level that covers a period of five years from 2016 to 2020. The interpretation of these statistics is expressed in terms of numerical, graphs, histograms and pie-charts.

Eng. Joseph K. Malongo
Permanent Secretary
Ministry of Works and Transport (Works)

ABBREVIATIONS

AQRB	Architects and Quantity Surveyors Registration Board
ATTI	Appropriate Technology Training Institute
CE	Consulting Engineer
CRB	Contractors Registration Board
DSM	Dar es Salaam
EDF	European Development Fund
ERB	Engineers Registration Board
F/Y	Financial Year
FECF	Foreign Engineering Consulting Firm
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
LBT	Labour Based Technology

LECF	Local Engineering Consulting Firm
FISIM	Financial International Services Indirectly Measured
MoWTC	Ministry of Works, Transport and Communication
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
TCF	Temporary Consulting Firm
TCE	Temporary Consulting Engineer
TE	Technician Engineer
TEMESA	Tanzania Electrical Mechanical and Electronics Services Agency
TPE	Temporary Professional Engineers
TRA	Tanzania Revenue Authority

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; Chapter two is a brief on basic background data for Tanzania; Chapter three contains statistics on Road Network, Road Condition, Airports and Motor Vehicle and Plant Registration in Tanzania Mainland; Chapter four provides information and statistics on other Institutions of the Sector namely TEMESA, TBA, ERB, AQRB, NCC, RFB, CRB and ICoT. 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.

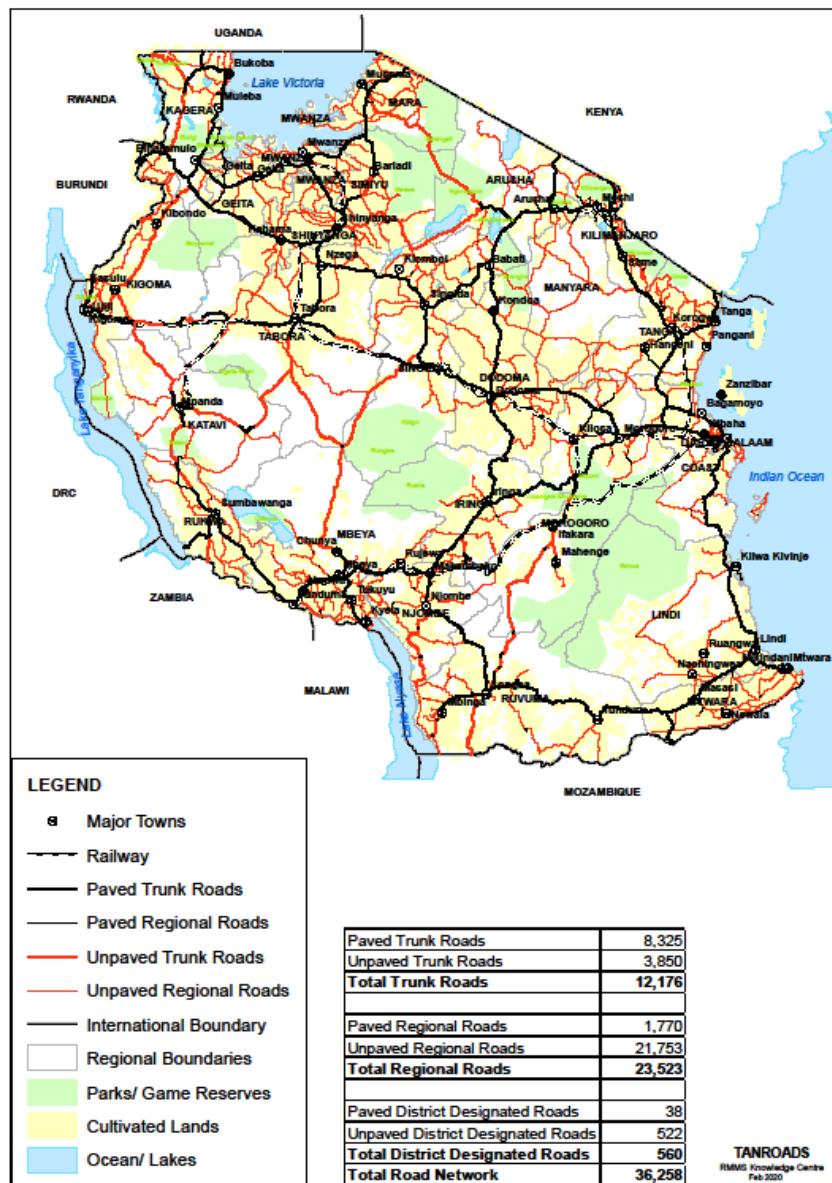
BASIC BACKGROUND DATA

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.

S/N	Particular	Data/Information
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 an estimated population of 2,568,514 people (2020)
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 57.50 million people (2020).
10	Other major cities with their estimated population (2020)	Dar es Salaam (5,275,315), Mwanza (3,676,300), Arusha (2,051,852), Tanga (2,391,791) and Mbeya (2,136,614).
11	Average population density of the country	51 inhabitants per square kilometer (inh/km ²)
12	GDP at current 2015 Prices	129,095,844 Million (2020)
13	Shares of GDP to Construction	14.4 percent (2020)
14	Construction annual growth rate	9.1 percent (2020)
15	GDP Growth rate	4.8 percent (2020)
16	Mining and Quarrying growth rate	6.7 percent (2020)
17	Accommodation and Food Services growth rate	-13.9 percent (2020)

S/N	Particular	Data/Information
18	Total Road Network	92,882.59 km
19	Railway Network	TRL 2,707km (with 1m gauge) TAZARA 975km (TZ section) with 1.067m gauge. Total Railway Network 3,682km
20	Major Airports	JNIA, KIA , Mtwara, Mwanza, Arusha and Songwe
21	Ports Network	There are 3 major seaports namely DSM, Mtwara and Tanga ports. Other smaller seaport facilities at Kilwa, Lindi, Mafia, Pangani and Bagamoyo. There are also major inland waterways ports at Mwanza, Bukoba, Musoma, Kigoma, Itungi, and Kiwala
22	Major Mountains	Mt Kilimanjaro, Mt Meru, and Mt. Rungwe
23	Major Rivers	River Rufiji, River Wami , River Ruvuma, River Kagera, River Songwe and River Pangani
24	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

Contribution of the Sector to Gross Domestic Product (GDP)

Table 2: Gross Domestic Product by Kind of Economic Activity, at current prices

Economic Activities	2016	2017	2018	2019	2020
Agriculture, Forestry and Fishing	29,739,111	34,154,594	35,962,728	37,192,537	39,965,062
Crops	16,474,729	19,703,004	21,003,720	20,686,963	22,867,959
Livestock	8,205,007	8,857,939	9,240,100	10,345,069	10,609,888
Forestry	3,094,767	3,310,076	3,459,581	3,738,360	3,947,993
Fishing	1,929,747	2,245,558	2,218,731	2,379,172	2,494,162
Agriculture support services	34,861	38,017	40,596	42,973	45,060
Industry and Construction	26,937,139	29,735,584	34,851,874	39,944,212	44,932,190
B Mining and quarrying	5,299,362	5,206,217	6,573,059	7,213,403	9,921,721
C Manufacturing	8,467,126	9,102,282	10,418,776	11,860,403	12,539,107
D Electricity supply	472,868	413,351	348,527	369,917	398,086
E Water supply; sewerage, waste management	433,132	519,909	566,562	628,187	745,222
F Construction	12,264,650	14,493,826	16,944,950	19,872,302	21,328,055
Services	42,747,407	45,066,596	48,059,561	51,417,505	55,201,494

F	Wholesale and retail trade; repairs	9,861,678	10,843,499	11,793,201	12,264,511	12,933,035
H	Transport and storage	7,549,484	7,897,993	8,381,276	9,622,792	11,172,778
I	Accommodation and Food Services	1,523,035	1,602,543	1,653,792	1,764,898	1,506,711
J	Information and communication	1,739,556	1,829,360	1,948,180	2,052,242	2,196,751
K	Financial and insurance activities	5,268,866	4,789,632	4,947,301	4,927,613	5,259,757
L	Real estate	3,162,290	3,334,171	3,553,630	3,834,061	4,253,836
M	Professional, scientific and technical activities	617,914	726,707	817,442	903,234	986,133
N	Administrative and support service activities	2,661,978	3,027,384	3,306,554	3,640,720	3,992,260
O	Public administration and defense	4,846,491	4,986,287	5,131,630	5,354,893	5,531,515
P	Education	2,673,289	2,864,290	3,081,718	3,322,028	3,439,015
Q	Human health and social work activities	1,540,484	1,681,353	1,816,738	1,920,963	2,044,830
R	Arts, entertainment and recreation	285,626	322,353	374,924	1,920,963	2,044,830
S	Other service activities	831,216	959,152	1,037,612	1,140,417	1,217,190

T	Activities of households as employers;	185,501	201,872	215,564	241,246	251,635
	All Economic Activities	99,423,658	108,956,774	118,874,163	128,554,255	140,098,746
	Taxes on products	8,938,667	9,787,724	10,169,738	11,087,600	8,423,365
	Gross Domestic Product at Market Prices	108,362,324	118,744,498	129,043,901	139,641,854	148,522,111

Source: NBS, 2020

Table 3: Share of Gross Domestic Product by Kind of Economic Activity, at current prices

	Economic Activities	2016	2017	2018	2019	2020
A	Agriculture, Forestry and Fishing	27.4	28.8	27.9	26.6	26.9
	Crops	15.2	16.6	16.3	14.8	15.4
	Livestock	7.6	7.5	7.2	7.4	7.1
	Forestry	2.9	2.8	2.7	2.7	2.7
	Fishing	1.8	1.9	1.7	1.7	1.7
B	Mining and quarrying	4.9	4.4	5.1	5.2	6.7
C	Manufacturing	7.8	7.7	8.1	8.5	8.4
D	Electricity supply	0.4	0.3	0.3	0.3	0.3
E	Water supply; sewerage, waste management	0.4	0.4	0.4	0.4	0.5
F	Construction	11.3	12.2	13.1	14.2	14.4
G	Wholesale and retail trade; repairs	9.1	9.1	9.1	8.8	8.7
H	Transport and storage	7.0	6.7	6.5	6.9	7.5
I	Accommodation and Food Services	1.4	1.3	1.3	1.3	1.0
J	Information and communication	1.6	1.5	1.5	1.5	1.5
K	Financial and insurance activities	4.9	4.0	3.8	3.5	3.5
L	Real estate	2.9	2.8	2.8	2.7	2.9
M	Professional, scientific and technical activities	0.6	0.6	0.6	0.6	0.7
N	Administrative and support service activities	2.5	2.5	2.6	2.6	2.7
O	Public administration and defense	4.5	4.2	4.0	3.8	3.7

P	Education	2.5	2.4	2.4	2.4	2.3
Q	Human health and social work activities	1.4	1.4	1.4	1.4	1.4
R	Arts, entertainment and recreation	0.3	0.3	0.3	0.3	0.3
S	Other service activities	0.8	0.8	0.8	0.8	0.8
T	Activities of households as employers	0.2	0.2	0.2	0.2	0.2
	All Economic Activities	91.8	91.8	92.1	92.1	94.3
	Taxes on products	8.2	8.2	7.9	7.9	5.7
	Gross Domestic Product at market Prices	100.0	100.0	100.0	100.0	100.0

Source: NBS, 2020

Table 4: Gross Domestic Product by Kind of Economic Activity - Annual Growth Rates, at constant 2015 prices

Economic Activities	2016	2017	2018	2019	2020
Agriculture, Forestry and Fishing	4.8	5.9	5.4	4.4	4.9
Crops	5.4	6.4	5.2	4.4	5.0
Livestock	4.9	4.9	4.9	5.0	5.0
Forestry	3.9	4.8	4.9	4.8	3.2
Fishing	1.2	8.4	9.2	1.5	6.7
Mining and quarrying	7.4	5.3	1.5	17.7	6.7
Manufacturing	10.8	8.2	8.3	5.8	4.5
Electricity supply	8.8	1.0	5.8	7.2	5.5
Water supply; sewerage, waste management	6.9	6.4	7.4	6.9	5.8
Construction	14.5	15.1	13.8	13.7	9.1

Wholesale and retail trade; repairs	5.9	6.1	5.9	5.5	2.1
Transport and storage	5.7	6.7	11.8	8.7	8.4
Accommodation and Food Services	4.1	3.1	5.2	2.6	-13.7
Information and communication	2.2	6.2	9.1	7.2	8.4
Financial and insurance activities	1.1	-2.8	-0.5	4.5	3.1
Real estate	4.3	4.4	4.4	4.5	4.5
Professional, scientific and technical activities	17.0	14.5	9.9	7.6	7.3
Administrative and support service activities	19.6	10.8	5.6	8.4	7.8
Public administration and defense	5.4	2.4	3.2	3.4	3.8
Education	10.4	7.3	6.6	6.9	3.3
Human health and social work activities	5.6	7.6	8.4	5.0	6.5
Arts, entertainment and recreation	12.7	9.9	13.7	11.2	-4.4
Other service activities	13.5	12.0	6.5	6.7	5.0
Activities of households as employers	3.2	3.2	3.1	3.1	3.1
All Economic Activities	7.3	7.0	6.9	7.2	5.4
Taxes on products	2.0	4.6	6.3	4.3	-2.3
Gross Domestic Product at market Prices	6.9	6.8	7.0	7.0	4.8

Source: NBS, 2020

Table 5: Employments Generated During implementation of Development Projects as of December, 2020

Year	Agency	Project name	Number of employments		
			Male	Female	Total
2016	TANROADS	Trunk Roads	8,474	924	9,398
		Regional Roads			
	TEMESA	Ferry Projects	9	3	12
	TBA	Building Project	1680	296	1976
TOTAL				11,386	
2017	TANROADS	Trunk Roads	27,197	3,699	30,896
		Regional Roads			
		Airports			
	TEMESA	Ferry Projects	75	30	105
	TBA	Building Project	1367	257	1624
TOTAL				32,625	
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

Source: TANROADS/TEMESA/TBA, 2020

3. ROAD NETWORK AND CONDITION IN TANZANIA MAINLAND

3.1 Classified Road Network

The total classified road network in Tanzania Mainland is estimated to 92,882.56km as of December, 2020. The Ministry of Works, Transport and Communication (Works) through Tanzania National Roads Agency (TANROADS) is managing the National Road Network of about 36,257.97km comprising 12,175.81km of Trunk and 24,082.16km of Regional Roads. The remaining gazette road network of about 56,624.59km 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).

3.1.1 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.

3.1.2 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 7** and **Table 8**

Table 6: National Road Network of Tanzania by Category as of December, 2020

Category	Road type	Length (Km)
Trunk Roads	Paved	8,658
	Unpaved	3,518
Regional Roads	Paved	1,963
	Unpaved	21,559
District Roads	Paved	44.64
	Unpaved	514.99
Total		362,57.97

Source: TANROADS, 2020

Table 7: Condition of Trunk and Regional Roads as of December, 2020

Road Class	Condition of National Road Networks						Total	
	Good		Fair		Poor		Km	Percent
	Km	Percent	Km	Percent	Km	Percent		
Trunk (paved)	5,445.42	67	1,560.33	19	1,167.32	14	8,173.06	100
Regional (paved)	654.04	26	1,625.06	66	192.58	8	2,471.68	100
Trunk (unpaved)	726.84	44	436.70	26	486.54	29	1,650.08	100
Regional (unpaved)	5,944.90	28	12,999.57	61	2,410.35	11	21,354.82	100
Total Surveyed National Roads Network	12,771.20	38	16,621.67	49	4,256.79	13	33,649.65	100

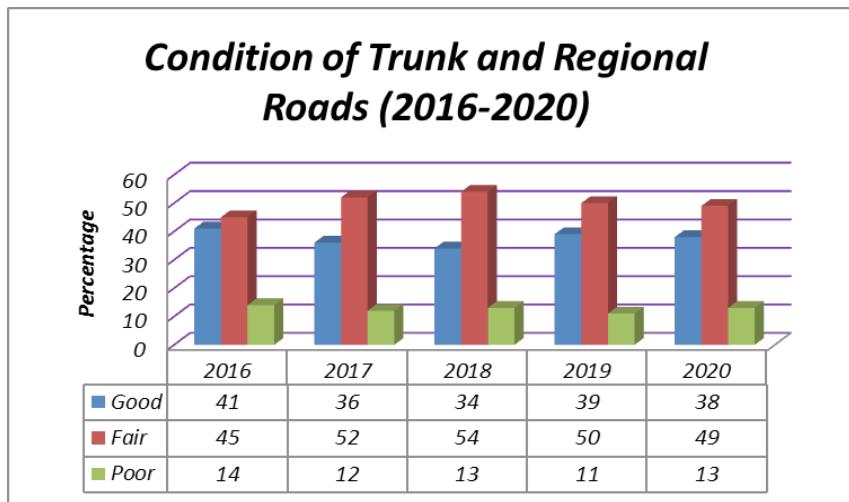
Note: About 2,608.32 km of total national roads network were not surveyed due to either works in progress or impassable.

Source: TANROADS, 2020

Table 8: Condition of Trunk and Regional Roads, (2016– 2020)

Year	Condition of National Road Networks						Total	
	Good	Fair	Poor	Good	Fair	Poor		
	Kilometer			Percent			Km	Percent
2016	12,388	13,642	4,235	40.9	45.1	14.0	30,265	100
2017	11,682	16,639	3,849	36.3	51.7	12.0	32,170	100
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	38	16,622	49	4,257	13	33,650	100

Source: TANROADS, 2020

Figure 2: Condition of Trunk and Regional Roads, (2016 – 2020)

Source: TANROADS, 2020

Table 9: Distribution of Trunk and Regional Roads by Region and Surface as of December, 2020

S/N	Region	Trunk Roads (Km)			Regional Roads (Km)			Commissioned Roads (Km)			Total (Km)		Grand Total (Km)
		Paved	Unpaved	Total	Paved	Unpaved	Total	Paved	Unpaved	Total	Paved	Unpaved	
1	Arusha	368.23	170.97	539.20	50.75	851.06	901.81	0.00	0.00	0.00	418.98	1,022.03	1,441.01
2	Coast	501.70	0.00	501.70	36.78	849.50	886.28	0.00	0.00	0.00	538.48	849.50	1,387.98
3	Dar es Salaam	120.28	0.00	120.28	224.16	174.89	399.05	40.69	41.19	81.88	385.13	216.08	601.21
4	Dodoma	555.18	0.00	555.18	32.20	1,109.30	1,141.50	0.00	0.00	0.00	587.38	1,109.30	1,696.68
5	Geita	236.52	0.00	236.52	159.77	463.46	623.23	0.95	77.19	78.14	397.24	540.65	937.89
6	Iringa	393.79	67.35	461.14	31.70	719.52	751.22	0.00	0.00	0.00	425.49	786.87	1,212.36
7	Kagera	629.89	232.95	862.84	118.93	935.78	1,054.71	0.00	50.95	50.95	748.82	1,219.68	1,968.50
8	Katavi	154.29	319.97	474.26	25.09	692.72	717.81	0.00	0.00	0.00	179.38	1,012.69	1,192.07
9	Kigoma	284.12	375.59	659.71	0.00	715.51	715.51	0.00	65.00	65.00	284.12	1,156.10	1,440.22
10	Kilimanjaro	293.55	0.00	293.55	219.00	548.02	767.02	0.00	0.00	0.00	512.55	548.02	1,060.57
11	Lindi	348.60	0.00	348.60	47.52	894.13	941.65	0.00	0.00	0.00	396.12	894.13	1,290.25
12	Manyara	207.29	0.00	207.29	44.15	1,406.45	1,450.60	0.00	0.00	0.00	251.44	1,406.45	1,657.89
13	Mara	192.58	218.98	411.56	96.22	858.01	954.23	0.00	63.66	63.66	288.80	1,140.65	1,429.45
14	Mbeya	352.83	223.80	576.63	81.74	610.71	692.45	0.00	0.00	0.00	434.57	834.51	1,269.08
15	Morogoro	465.86	361.62	827.48	162.16	1,075.14	1,237.30	0.00	0.00	0.00	628.02	1,426.76	2,064.78
16	Mtewara	283.52	0.00	283.52	128.31	860.82	989.13	0.00	0.00	0.00	411.83	860.82	1,272.65
17	Mwanza	258.74	0.00	258.74	29.88	831.40	861.28	0.00	23.79	23.79	288.62	855.19	1,143.81
18	Njombe	200.38	203.61	403.99	49.57	700.19	749.76	0.00	0.00	0.00	249.95	903.80	1,153.75
19	Rukwa	295.56	111.63	407.19	76.53	775.24	851.77	0.00	0.00	0.00	372.09	886.87	1,258.96
20	Ruvuma	627.65	293.49	921.14	22.83	1,227.25	1,250.08	0.00	0.00	0.00	650.48	1,520.74	2,171.22
21	Shinyanga	224.66	52.81	277.47	25.01	636.77	661.78	0.00	65.40	65.40	249.67	754.98	1,004.65
22	Simiyu	186.42	149.69	336.11	7.17	516.20	523.37	0.00	67.70	67.70	193.59	733.59	927.18
23	Singida	428.77	242.98	671.75	55.40	1,000.52	1,055.92	0.00	0.00	0.00	484.17	1,243.50	1,727.67
24	Songwe	183.01	51.30	234.31	16.47	734.52	750.99	0.00	0.00	0.00	199.48	785.82	935.30

25	Tabora	537.36	440.90	978.26	40.55	1,068.36	1,108.91	3.00	60.11	63.11	580.91	1,569.37	2,150.28
26	Tanga	327.39	0.00	327.39	181.53	1,303.64	1,485.17	0.00	0.00	0.00	508.92	1,303.64	1,812.56
Total	8,658.17	3,517.64	12,175.81	1,963.42	2,559.11	23,522.53	44.64	514.99	559.63	10,666.23	25,591.74	36,257.97	

Source: TANROADS, 2020

Table 10: Ongoing Road Projects as of December, 2020

S/N	Project Name	km	Fund Provider	Contract Sum	Status of Works (%)
1	Uzesula – Komanga Section and Sikonge Spur Road (7.5)	108 and 7.5	AfDB and GoT	TZS.158,825,491,790.52	56.05
2	Komanga – Kasinde Section andlyonga Spur Road and Inyonga	108 and 4.18	AfDB and GoT	TZS.140,025,481,457.00	74.12
3	Kasinde – Mpanda Section and Urwira Town Section	105.389 and 2.29	AfDB and GoT	TZS.133,803,828,397.29	47.48
4	Mbinga – Mbamba bay	66	AfDB and GoT	TZS.129,361,352,517.84	74.93
5	Kasulu Junction – Manyovu Including Kasulu Town Links	68.25	AfDB and GoT	TZS 76,179,604,614.60	Under Mobilization
6	Kanyani Junction – Mvugwe Road Section	70.50	AfDB and GoT	TZS 83,740,834,379.92	Under Mobilization

S/N	Project Name	km	Fund Provider	Contract Sum	Status of Works (%)
7	Mvugwe – Nduta Junction	59.35	AfDB and GoT	TZS 84,755,745,267.49	Under Mobilization
8	Nduta Junction – Kibondo Junction – Kabingo	62.50	AfDB and GoT	TZS 80,963,146,661.14	Under Mobilization
9	Widening of Bagamoyo Road (Morocco – Mwenge)	4.3	JICA and GoT	TZS 66,000,000,000.00	55.41
10	Tabora – Nyahua – Chaya (Nyahua – Chaya Section)	85.4	Kuwait Fund and GoT	TZS 17,939,932,277.00	77.66
11	Upgrading Kidahwe – Kasulu – Kibondo – Nyakanazi Road to Bitumen Standard; Lot 4: Nyakanazi - Kibondo Section	50	GoT	TZS. 45,985,781,000.00	90.75
12	Kibondo Townlink (Nduta Junction –Kibondo Town-Kibondo Junction Section)	25.9	GoT	TZS. 1,900,000,000.00	Under Mobilization
13	Upgrading of Nyamuswa – Bunda – Kisorya – Nansio Lot 2: Bulamba – Kisorya	51	GoT	TZS 51,281,285,533.86	92.12
14	Upgrading of Lolliondo – Mto wa Mbu Road to Bitumen Standard; Lot 1: Wasso – Sale Section (49 km)	49	GoT	TZS 87,226,445,712.35	56.38

S/N	Project Name	km	Fund Provider	Contract Sum	Status of Works (%)
15	Upgrading of Makutano – Nyamuswa – Ikoma Gate to Bitumen Standard (135 Km); Lot 2: Sanzate – Natta Section (40 km)	40	GoT	TZS 39,469,855,136.92	under mobilization
16	Njombe – Moronga Section	53.9	GoT	TZS 07,085,360,088.00	83.73
17	Upgrading of Mtewara – Newala – Masasi Road (210 km) to Bitumen Standard including Mwiti Bridge; Package 1: Mtewara – Mnivata Section (50 km)	50	GoT	TZS 89,591,008,355	90.00
18	Mpemba – Isongole Road	50.30	GoT	TZS 07,554,665,966.00	90.00
19	Upgrading of Bagamoyo (Makurunge)- Saadani –Pangani –Tanga Road (256 km) to Bitumen Standard ; Lot 1: Pangani-Tanga (50 km)	50	EAC	TZS 66,853,268,467.70	Under Mobilization
20	Construction of One Stop Inspection Stations (OSIS) in Manyoni including Supply and Installation of Weighbridges		European Development Fund (EDF)	EURO 9,537,609.90	50.10

S/N	Project Name	km	Fund Provider	Contract Sum	Status of Works (%)
21	Construction of One Stop Inspection Stations (OSIS) in Nyakanazi including Supply and Installation of Weighbridges		European Development Fund (EDF)	EURO 9,582,090.10	40.32
22	Chunya - Makongolosi	39	GoT	TZS 59,753,120,375.00	86.10
23	Rudewa – Kilosa Section	18	GoT	TZS 32,902,537,449.00	42.27
24	Widening of Morogoro Road Project (Kimara to DSM/Coast border)	19	GoT	TZS 140,449,521,094.94	92.87
25	Design & Build of Sumbawanga – Matai – Kasanga Project	110	GoT	TZS 133,286,600,000.00	98
26	Construction of Sibiti Bridge (82m) and Gravel Road Approaches (25.0 km)	25	GoT	TZS 16,302,313,000.00	95.15
27	Construction of New Wami Bridge (510 m) and Gravel Road Approaches (4.325 km)	4.325	GoT	TZS 67,779,453,000.00	41.14
28	Construction of Kigongo – Busisi Bridge (3200m) and Associated Approaches Roads (1.66km)	1.66	GoT	TZS 592,608,692,836.00	5.78

S/N	Project Name	km	Fund Provider	Contract Sum	Status of Works (%)
29	Upgrading of Makutano – Nyamuswa – Ikoma Gate Road (135 km); Lot 1: Makutano – Natta (Sanzate) Section (50 km)	50	GoT	TZS 46,138,000,000.00	85.99
30	Upgrading of Nyamuswa – Bunda – Kisorya – Nansio Road (121.9Km) to Bitumen Standard; Lot 1: Nyamuswa – Bulamba Section (56.4 km)	56.40	GoT	TZS 46,500,456,124.12	Under Mobilization
31	Moranga -Makete Section (53.5 km)	53.5	GoT	TZS 110,446,600,099.00	60.00
32	Upgrading of Nachingwea – Ruangwa-Nanganga Road (106km) to Bitumen Standard; Lot 2: Ruangwa-Nanganga Section (53.2km)	53.2	GoT	TZS 50,341,994,202.72	Under Mobilization
33	Upgrading of Itoni – Ludewa – Manda Road (211.4 km) to Cement Paved Standard; Lot 2: Lisitu – Mawengi Section (50 km)	50	GoT	TZS 159,217,440,785.70	57.37
34	Kiddatu – Ifakara	66.9	10 th European Development Fund (EDF) and GoT	EUR 40,441,890.81	19.70

S/N	Project Name	km	Fund Provider	Contract Sum	Status of Works (%)
35	Construction Of New Selander Bridge		The Republic of Korea	TZS 243,750,344,664.00	55.20
36	Construction of Gerezani Bridge		JICA and GoT	YEN 1,212,000,000.00	78.80
37	Urambo-Kaliua Section Section (28km)	28	GoT	TZS 38,747,795,107.68	91
38	Construction of Kigongo – Busisi Bridge (3200m) and Associated Approaches Roads (1.66km)	1.66	GoT	TZS 592,608,692,836.00	5.78
39	Ubungo Interchange and associated works		WB	TZS 229 Billion	90
40	BRT Infrastructure - Phase 2	20.3	WB	TZS 189.4 Billion	47

Source: TANROADS, 2020

3.2 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.

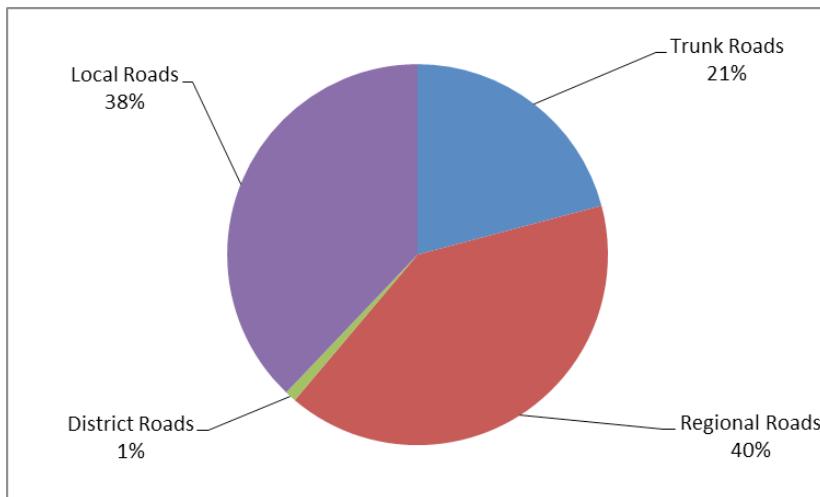
The President's Office Regional Administration and Local Government has an oversight function of preparing policies and strategies in cooperation with key stakeholders in the sector, as well as being responsible for coordination and monitoring of the district roads activities in the councils and to provide/coordinate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

Table 11: Road Network Length of Tanzania (km) as of December, 2020

S/No		Category	Road Type	Length (Km)	Length out of total National Roads (percent)	
1.	National Roads	Trunk Roads	Paved	8,658		
			Unpaved	3,518	33.6	
		Paved		1,963		
	District Roads	Unpaved		21,559	64.9	
		Paved		44.64		
		Unpaved		514.99	1.54	
Total National Roads (A)				36,258		
2.	Local Roads	Collector	Paved and Unpaved	56,624.59		
		Community			61.0	
		Feeder				
Total Local Roads (B)				56,624.59		
Tanzania Total Roads Network (A+B)				92,882.57		
Note: The total road network under PORALG is 108,946.2km, out of which 56,624.59km are gazetted while the remaining 52,321.60km will be verified before insertion into Government Gazette						

Source: TANROADS/TARURA, 2020,

Figure 3 : Road Network Category as Percentage of Total Road Network



Source: TANROADS/TARURA, 2020

3.3 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 12**

Table 12: Status of Airports as of December, 2020

No	Region	Name of Airport/Airstrip	Class/Code	Runway			Other Airport Infrastructure	Operational/Non Operational	International/Local	Status
				Material	Length (m)	Width (m)				
1	Dar es Salaam	Julius Nyerere	4E	AC	3000	15m hard shoulders	Good	Available	Operational	International
			3C	AC	1000	30	Good		Operational	
2	Pwani	Mafia Utete	3C	AC	1500	30	Good	Some Available	Operational	Local
			1C	Grass	640	60	Worst	Not Available	Non Operational	Local
3	Kagera	Bukoba Ngara	3C	AC	1500	30	Good	Some Available	Operational	Local
			2A	Gravel	1500	19		Not Available	Operational	Local
		Biharamulo	UC	Grass	935	18		Not Available	Operational	Local

No	Region	Name of Airport/ Airstrip	Class/ Code	Material	Length (m)	Width (m)	Condition	Other Airport Infrastructure	Operational/ Non Operational	International/ Local	Status
4	Iringa	Iringa	2C	AC	1679	30	Fair	Some Available	Operational /Under construction	Local	
		Mafinga	2C	Grass	1328	30	TBD	Not Available	Operational	Local	
		Mufindi/Sao Hill	2C	Grass	1000	40	TBD	TBD	Operational	Local	
5	Mbeya	Songwe	4C	AC	3340	45	Good	Available	Operational	International	
		Mbeya	3C	Gravel	1500	30	TBD	Some Available	Closed	Entry & Exit	
		Chunya	UC	Grass	1332	30	TBD	TBD	Operational	Local	
6	Katavi	Mpanda	3C	AC	2000	30	Good	Some Available	Operational	Local	
		Inyonga	2C	Grass	914	40	Fair	No	Operational	Local	

No	Region	Name of Airport/ Airstrip	Class/ Code	Material	Length (m)	Width (m)	Condition	Runway	Other Airport Infrastructure	Operational/ Non Operational	International/ Local	Status
7	Kigoma	Kigoma	4C	AC	1800	45	Good	Some Available	Operational	Entry/Exit	Local	
		Uvinza	1C	Grass	914	46	Fair	No	Operational	Local	Local	
		Kasulu	3B	Gravel	1400	23	Good	Some Available	Operational	Local	Local	
		Kibondo	2C	Gravel	1189	40	Good	Some Available	Operational	Local	Local	
		Dodoma	3C	AC	2700	30	Good	Some Available	Operational	Local	Local	
8	Dodoma	Kondoa	1C	Grass	732	50	Fair	TBD	Operational	Local	Local	
		Mvumi	2A	Grass	914	20	Fair	TBD	Operational	Local	Local	
		Mpwapwa	1C	Grass	674	30	TBD	TBD	Operational	Local	Local	
		Kongwa	3C	Gravel	1368	30	Fair	TBD	Operational	Local	Local	
		Msalato	3C	NIL	NIL	NIL	NIL	NIL	Proposed New Airport	TBD		
9	Lindi	Lindi	3C	Gravel	1847	46	Fair	Some Available	Operational	Local	Local	
		Nachingwea	3C	Gravel	1609	46	Fair					
				Grass	1383	46	Fair					
				Grass	2000	30	Good	Some Available	Operational	Local	Local	
		Kilwa Masoko	3C	Gravel	1950	30	Fair	Some Available	Operational	Local	Local	

No	Region	Name of Airport/ Airstrip	Class/ Code	Runway			Other Airport Infrastructure	Operational/ Non Operational	International/ Local	Status
				Material	Length (m)	Width (m)				
10	Singida	Singida	2C	Gravel	1070	30	Fair	Some Available	Operational	Local
		Kirondatal	2A	Grass	1097	20	Fair	No	Operational	Local
		Manyoni	1C	Grass	800	30	Fair	No	Operational	Local
		Maswa	2B	Grass	882	30	Bad	No	Closed	Local
11	Simiyu	Igegu	3C	NIL	NIL	NIL	NIL	Non Operational (New Project)	TBD	TBD
		Morogoro	2B	Gravel/ Grass	1068	30	Fair	TBD	Operational	Local
12	Morogoro	Kilosa	2C	Grass	1154	46	Fair	No	Operational	Local
		Ifakara	3C	Grass	1600	30	Fair	No	Operational	Local
		Arusha	3C	AC	1600	30	Good	Some Available	Operational	Local
13	Arusha	Loliondo	2B	Grass	1760	28	Fair	TBD	Operational	Local
		Lake Manyara	2B	Gravel	1220	23	Good	Some Available	Operational	Local

No	Region	Name of Airport/Airstrip	Class/Code	Material	Length (m)	Width (m)	Condition	Other Airport Infrastructure	Operational/Non Operational	International/Local	Status
14	Ruvuma	Songea	3C	AC	1860	30	Good	Available	Operational	Local	
		Lilili	1C	Grass	914	30	TBD	TBD	Operational	Local	
		Mbamba bay	1C	Grass	560	30	Fair	TBD	Operational	Local	
		Tunduru	2B	Grass	1021	23	Bad	TBD	Closed	Local	
15	Mtwara	Mitwara	4D	AC	2800	45	Good	Available	Operational	Local	
			2C	Grass	1158	30	Good				
		Masasi	3C	Gravel	1273	40	Good	TBD	Operational	Local	
			3C	AC	1263	30	Fair	Available	Operational	Entry and Exit	
16	Tanga	Tanga	2C	Grass	1158	30	Good				
		Mombo	3C	Grass	1585	46	Good	Not Available	Operational	Local	
		Mkwaja	3C	Grass	1200	45	Fair	Not Available	Non Operational	Local	

No	Region	Name of Airport/Airstrip	Class/Code	Material	Length (m)	Width (m)	Condition	Other Airport Infrastructure	Operational/Non Operational	International/Local	Status
		Kilimanjaro	4E	AC	3600	45 and 15m shoulders	Good	Available	Operational	International	
17	Kilimanjaro	Moshi	3C	AC	1268	30	Bad	Available	Operational	Entry and Exit	
		W. Kilimanjaro/Ngarenainirobi	3C	Grass	1480	30	Bad				
18	Njombe	Same	2C	Grass	1143	45	Fair	Not Available	Operational	Local	
		Njombe	3C	Grass	1890	30	Good	Not Available	Operational	Local	
19	Shinyanga	Shinyanga	3C	Gravel	2000	30	Good	Not Available	Operational	Local	
		Kahama	3C	EBS	1530	30	Fair	Not Available	Operational	Local	
20	Rukwa	Sumbawanga	3C	Grass	1600	33	Fair	Not Available	Operational	Local	
21	Mwanza	Mwanza	4D	AC	3800	45	Good	Available	Operational	Entry & Exit	
		Ukerewe	2C	Grass	914	30	Fair	Not Available	Operational	Local	

No	Region	Name of Airport/ Airstrip	Class/ Code	Runway			Other Airport Infrastructure	Operational/ Non Operational	International/ Local	Status
				Material	Length (m)	Width (m)				
22	Tabora	Tabora	3C	AC	1800	30	Good	Available	Operational	Local
			3C	AC	1200	30	Good			
23	Mara	Urambo	3C	Grass	1524	46	Fair	Gravel	Operational	Local
24	Geita	Musoma	2C	Gravel	1600	30	Fair	Gravel	Operational	Entry & Exit
25	Songwe	Chato	4C	AC	3000	45	Good	Not Available	Non Operational	Domestic
26	Manyara	N/A	NIL		NIL	NIL	NIL	NIL	Non Operational	New Proposal
	Manyara	Mwada Area	NIL	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: MoWTC (Works), 2020

3.4 Road Accidents

Table 13: Road Accidents by Category as of December, 2020

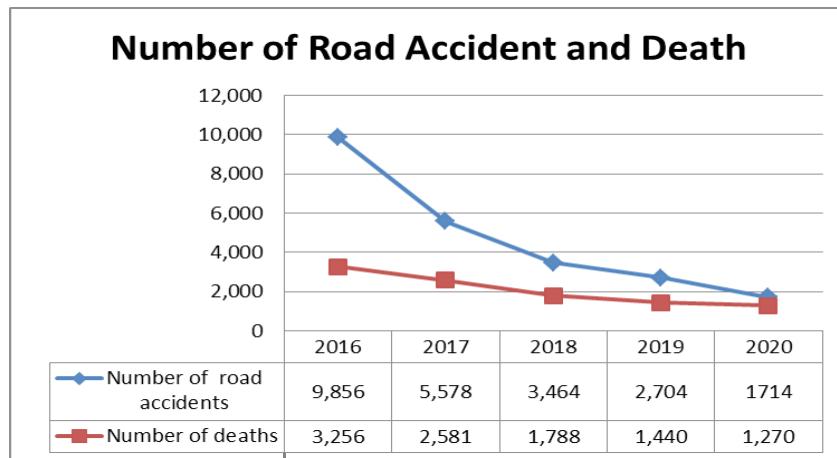
Category	2016		2017		2018		2019		2020	
	Deaths	Casualties								
Drivers	266	643	202	411	178	352	153	280	151	183
Passengers	988	4,593	790	3,157	707	2,035	469	1,608	502	1,355
Motorcyclist	739	1,866	623	963	313	648	309	437	236	288
Cyclist	261	242	204	124	114	88	111	55	65	30
Pedestrian	975	1,598	751	820	467	593	381	450	311	265
Cart pusher	27	16	11	14	9	30	17	4	5	5
Total	3,256	8,958	2,581	5,489	1,788	3,746	1,440	2,834	1,270	2,126

Source: Ministry of Home Affairs, 2020

Table 14: Road Accidents as of December, 2020

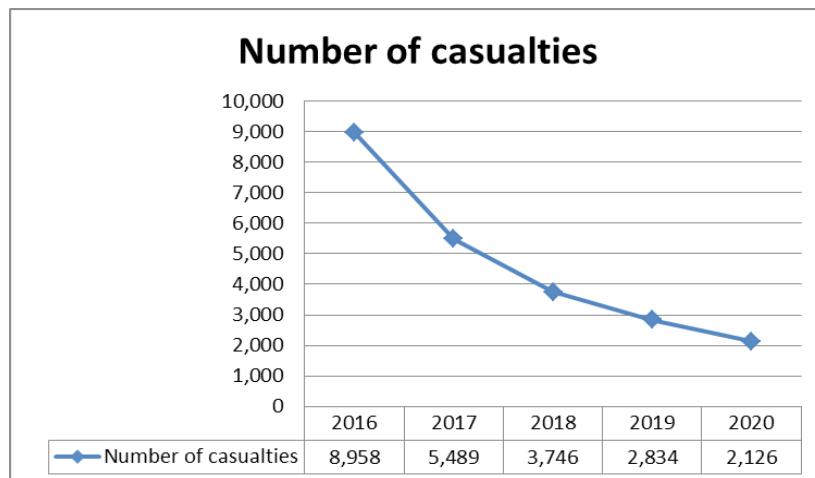
Year	2016	2017	2018	2019	2020
Number of road accidents	9,856	5,578	3,464	2,704	1,714
Number of deaths	3,256	2,581	1,788	1,440	1,270
Number of casualties	8,958	5,489	3,746	2,834	2,126

Source: Ministry of Home Affairs, 2020

Figure 4: Number of Road Accidents and Death (2016-2020)

Source: Ministry of Home Affairs, 2020

Note: Number of death and road accident has shown a declining trend for the past five years, from 2016 to 2020. However, in 2016 the number of accident has shown a slight increase trend.

Figure 5: Number of Road Causalities (2016 – 2020)

Source: Ministry of Home Affairs, 2020

3.5 Motor Vehicle and Plant Registration

Table 15: Motor Vehicle and Plant Registration 1stJanuary to 31st December 2020

Year	REGISTRATION						
	Category	Plate Numbers			Type		
		From	To	Total	Motor Vehicle	Motor Cycle	Plant
2016	STL	4613	5557	945	98	847	0
	DEPA	1954	2966	1,013	519	442	52
	STA	277	281	5	5	0	0
	PT	4006	4115	110	94	16	0
	MT	346	346	0	0	0	0
	CW	6697	6715	19	0	0	19
	Total			2,092	716	1305	71
2017	STL	5558	6056	499	73	426	0
	DEPA	2967	3662	696	407	282	7
	STA	282	286	5	5	0	0
	PT	4116	4154	39	21	18	0
	CW	6716	6720	5	0	0	5
	MT	347	348	2	2	0	0
	UT	1	65	65	51	14	0
	Total			1,311	559	740	12
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

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							
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
Key: STL – Government; DFPA – Donor Fund Project; STA – State; PT – Police Tanzania; MT – Magereza Tanzania; UT – Uhamiaji Tanzania; ZT – Zimamoto Tanzania; CW - Plant							

Source: MoWTC (Works), 2020

4.0 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:-

4.1 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 **36,257.97km** of Trunk Roads and Regional Roads according to the Roads Act No. 13 of 2007 and subsequent reclassification up to December, 2020.

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.

4.2 Tanzania Electrical, Mechanical and Electronics Services Agency

Tanzania Electrical, Mechanical and Electronics Services Agency (TEMESA) is established under the Ministry of Works, Transport and Communication (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 17** and **Table 18** provide number of ferries operated by TEMESA and their capacities respectively.

Table 16: Status of Ferries and their Capacities in each Location as of December, 2020

S/N	OPERATIONAL LOCATION	REGION	NAME OF FERRY	FERRY CAPACITY	YEAR OF PURCHASE	STATUS
1	DARES SALAAM	MAGOGONI-KIGAMBONI	MV KIGAMBONI	<ul style="list-style-type: none"> ◆ 160 Tons ◆ 800 Passengers ◆ 22 Small Vehicles 	1990	Under rehabilitation
			MV MAGOGONI	<ul style="list-style-type: none"> ◆ 500 Tons ◆ 2000 Passengers ◆ 60 Small Vehicles 	2008	Operational
			MV KAZI	<ul style="list-style-type: none"> ◆ 170 Tons ◆ 800 Passengers ◆ 22 Small Vehicles 	2017	Operational
		KIGONGO - BUSISI	MV SENGEREMA	<ul style="list-style-type: none"> ◆ 170 Tons ◆ 490 Passengers ◆ 24 Small vehicles 	1986	Under rehabilitation
			MV SABASABA	<ul style="list-style-type: none"> ◆ 85 Tons ◆ 330 Passengers ◆ 10 Small Vehicles 	1970	Operational
			MV MISUNGWI	<ul style="list-style-type: none"> ◆ 250 Tons ◆ 1000 Passengers ◆ 36 Small vehicles 	2008	Operational

S/N	OPERATIONAL LOCATION	REGION	NAME OF FERRY	FERRY CAPACITY	YEAR OF PURCHASE	STATUS
			MV UKARA	<ul style="list-style-type: none"> ◆ 25 Tons ◆ 75 Passengers 	1975	Operational
			MV UKARA II (HAPA KAZI TU)	<ul style="list-style-type: none"> ◆ 100 Tons ◆ Passengers 300 ◆ Small Vehicles 10 	2020	Operational
			MV MWANZA (Tag boat)	<ul style="list-style-type: none"> ◆ 55 Tons ◆ 100 Passengers ◆ 4 Small vehicles 	1968	Grounded waiting for major rehabilitation
			MV MWANZA	<ul style="list-style-type: none"> ◆ 250 Tons ◆ 1,000 Passengers ◆ 36 Small vehicle 	2018	Operational
3	MWANZA CITY	MWANZA	MV TEMESA	<ul style="list-style-type: none"> ◆ 65 Tons ◆ 80 Passengers ◆ 4 Small vehicles 	1968	Operational
4	BUGOLORA – UKARA	MWANZA	MV NYERERE	<ul style="list-style-type: none"> ◆ 25Tons ◆ 101 Passengers ◆ 4 Small Vehicles 	2004	Grounded waiting for major rehabilitation

S/N	OPERATIONAL LOCATION	REGION	NAME OF FERRY	FERRY CAPACITY	YEAR OF PURCHASE	STATUS
5	CHATO – NKOME	GEITA	MV CHATO	<ul style="list-style-type: none"> ◆ 75 Tons ◆ 200 Passengers ◆ 6 Small Vehicles 	1960	Operational
			MV CHATO II "HAPA KAZI TU"	<ul style="list-style-type: none"> ◆ 100 Tons ◆ 200 Passengers ◆ 10 Small Vehicles 	2020	Operational (NEW)
6	KISORYA – RUGEZI	MWANZA	MV UJENZI	<ul style="list-style-type: none"> ◆ 85 Tons ◆ 330 Passengers ◆ 10 Small vehicles 	2011	Operational
7	KAHUNDA – MAISOME	MWANZA	MV TEGEMEO	<ul style="list-style-type: none"> ◆ 85 Tons ◆ 200 Passengers ◆ 10 Small Vehicles 	2013	Operational
8	NYAKALIRO – KOME	MWANZA	MV KOME II	<ul style="list-style-type: none"> ◆ 50 Tons ◆ Passengers 100 ◆ Small Vehicles 6 	2008	Operational
9	KAYENZE/BEZI	MWANZA	MV ILEMELA	<ul style="list-style-type: none"> ◆ 100 Tons ◆ Passengers 200 ◆ Small Vehicles 10 	2020	Operational (NEW)

S/N	OPERATIONAL LOCATION	REGION	NAME OF FERRY	FERRY CAPACITY	YEAR OF PURCHASE	STATUS
10	KILOMBERO – URANGA	MOROGORO	MV KILOMBERO I	<ul style="list-style-type: none"> ◆ 50 Tons ◆ Passengers 100 ◆ Small Vehicles 6 	2002	Grounded
11	PANGANI – MBWENI	TANGA	<ul style="list-style-type: none"> MV UTETE MV TANGA MV BWENI 	<ul style="list-style-type: none"> ◆ 50 Tons ◆ 100 Passengers ◆ 6 Small vehicles <ul style="list-style-type: none"> ◆ 50 Tons ◆ 100 Passengers ◆ 6 Small vehicles <ul style="list-style-type: none"> ◆ 800 Kgs ◆ 8 Passengers 	2007 2008 2016 2017	Not operating; (will be shifted to new crossing namely Milimba – Malinyi) Under major rehabilitation Operational Operational

S/N	OPERATIONAL LOCATION	REGION	NAME OF FERRY	FERRY CAPACITY	YEAR OF PURCHASE	STATUS
12	ILAGALA – KAJEJE	KIGOMA	MV ILAGALA	<ul style="list-style-type: none"> ◆ 50 Tons ◆ Passengers 100 ◆ Small vehicles 6 	2005	Non-Operational
13	KASHARU – BUGANGUZI	KAGERA	MV KYANYABASA	<ul style="list-style-type: none"> ◆ 50 Tons ◆ 100 Passengers ◆ 6 Small Vehicles 	2013	Operational
14	ILUNGA – KIPINGU	RUVUMA	MV RUHUHU	<ul style="list-style-type: none"> ◆ 7 Tons ◆ 50 Passengers ◆ 2 Small Vehicles 	1979	Operational
15	KILAMBO – NAMOTO	MTWARA	<ul style="list-style-type: none"> MV KILAMBO MV TANGAZO (Small Boat) 	<ul style="list-style-type: none"> ◆ 50 Tons ◆ 100 Passengers ◆ 6 Small Vehicles 	<ul style="list-style-type: none"> 2008 2017 	<ul style="list-style-type: none"> Operational Operational

S/N	OPERATIONAL LOCATION	REGION	NAME OF FERRY	FERRY CAPACITY	YEAR OF PURCHASE	STATUS
16	MSANGA MKUU – MSEMO		MV MAFANIKIO	<ul style="list-style-type: none"> ◆ 50 Tons ◆ 100 Passengers ◆ 6 Small Vehicles 	2014	Operational
17	RUSUMO – NYAKIZIBA	KAGERA	MV KUCHELE	<ul style="list-style-type: none"> ◆ 800 Kgs ◆ 8 Passengers 	2017	Operational
18	UTETE – MKONGO	PWANI	MV MKONGO (Small Boat)	<ul style="list-style-type: none"> ◆ 35 Tons ◆ 100 Passengers ◆ 4 Small Vehicles 	2011	Operational
19	NYAMISATI/ MAFIA	PWANI	MV KILINDONI	<ul style="list-style-type: none"> ◆ 100 Tons ◆ Passengers 300 ◆ Small Vehicles 10 	2020	Operational (NEW)
20	MUSOMA – KINESI	MARA	MV MUSOMA	<ul style="list-style-type: none"> ◆ 85 Tons ◆ 330 Passengers ◆ 10 Small Vehicles 	2011	Operational
21	IRAMBA – MAJITA	MARA	MV MARA	<ul style="list-style-type: none"> ◆ 25 Tons ◆ 75 Passengers ◆ 2 Small Vehicles 	1971	Operational

S/N	OPERATIONAL LOCATION	REGION	NAME OF FERRY	FERRY CAPACITY	YEAR OF PURCHASE	STATUS
22	LINDI - KITUNDA	LINDI	MV KITUNDA	<ul style="list-style-type: none"> ◆ 50 Tons ◆ 100 Passengers ◆ 6 Small Vehicles 	2009	Operational

Source: TEMESA, 2020

Table 17: TEMESA Ferry Traffic Count January-December, 2020

KIGONGO - BUSI	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 >4 5 psg	Heavy trucks, plants, earht mover & heavy equip
Magogoni/ Kigamboni	22,233,758	471,511	677,432	186	62,557	0	683,573	464,571	16,984	0	0	0
Kigongo/ Busisi	2,632,537	97,812	45,354	7,916	14,691	3,271	147,417	0	57,268	38,667	10,098	27,382
Kisorya/ Rugezi	409,754	11,834	4,884	36,131	1,239	1,876	4,479	957	6,112	130	1,929	2,103
Nyakaliro/ Kome	339,486	39,883	27,246	24,625	1,456	1,485	3,944	1,241	2,895	1,107	331	142
Bugolora/ Ukara	188,007	28,288	6,383	41,304	304.7	1,635	551.1	136.4	196.9	256.3	0	0

Chato/Nkome	39,010	6,996	4,014	16,881	8,831	2,703	2	1	156	0	82,510	0
Ilagala/Kajje	293,689	5,213	68,904	4,953	1,291	807.4	2,969	3,485	7,388	375	1,056,622	83
Kilambonamoto/ Ulanga	9,943	20,566	226,6	344.3	1,118	5,832	608.3	0	8,972	29,951	179	161
Panganji/Bweni	608,146	15,168	136,400	11,318	1,449	1,385	13,937	4,113	8,443	238	117,428	107
Ilunga/Kipingu	7,601	0	3,003	3,222	0	95.7	607.2	0	220	0	0	0
Kyanyabasa	47,366	215.6	17,644	12,625	21	148.5	3,691	0	9,736	83.6	0	0
Utete/Mkongo	77,145	11,697	12,265	1,572	4	253	0	0	0	0	0	0
Rusumo/ Nyakaziba	62,279	5,399	17,647	27,206	0	1,253	4,974	0	1,415	0	0	0
Musoma/Kinesi	371,198	94,147	24,415	89,678	1,353	2,366	2,242	339.9	998	265	617	88
Kilumba/ Luchelele	84,825	1,884	37,455	5,636	4,224	44,638	23.1	0	0	55	0	0
Irama/Majita	69,879	7,513	4,150	19,657	1,156	555.5	33	0	404	61	139	0
Kahunda/ Maisome	329,228	18,845	5,955	57,614	5,619	1021.9	1,562	258.5	1046	340	89	18
Lindi/Kitunda	152,889	9,537	22,176	11,623	14,381	481.8	1,122	369.6	403	132	13	0
Msangamkau/ Msemo	305,197	12,295	35,713	26,843	1,862	180.4	2,299	0	358	7	52	9
TOTAL	28,261,937	858,802	1,151,267	399,332	121,557	69,988	874,032	475,472	122,992	71,666	1,270,007	30,092

Source: TEMESA, 2020

4.3 Tanzania Building Agency

Tanzania Building Agency (TBA) is the Government's Executive Agency under the Ministry of Works, Transport and Communication (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 18.**

Table 18: Number of Government Houses and Plots Countrywide as of December, 2020

	Region	Commercial Houses	Public Servant Houses	Rest Houses	State Lodges	Workshops	Plots
1	Arusha	964	-	16	6	1	229
2	Dar es Salaam	71	82	2	3	1	60
3	Dodoma	232	33	3	1	1	65
4	Geita	685	123	3	2	1	143
5	Iringa	169	13	2	-	1	405
6	Kagera	24	93	1	-	-	409
7	Katavi	416	188	1	8	2	653
8	Kigoma	86	100	5	1	1	153
9	Kilimanjaro	229	34	5	2	2	323
10	Lindi	83	22	7	1	1	25
11	Manyara	141	52	1	3	1	66
12	Mara	42	20	2	-	1	93
13	Mbeya	83	23	2	1	-	32

14	Morogoro	75	54	2	1	1	141
15	Mtwara	24	37	2	-	-	34
16	Mwanza	92	52	4	1	-	239
17	Njombe	20	122	2	3	-	127
18	Pwani	207	48	2	3	2	7
19	Rukwa	289	226	8	1	2	62
20	Ruvuma	127	22	1	2	1	267
21	Shinyanga	57	33	5	-	-	52
22	Simiyu	52	27	1	3	-	92
23	Singida	20	-	-	1	-	5
24	Songwe	21	13	3	-	-	24
25	Tabora	48	8	-	-	-	23
26	Tanga	-	71	-	-	1	
Total		4,257	1,496	80	43	20	3729

Source: TBA, 2020

4.4 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.

4.4.1 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

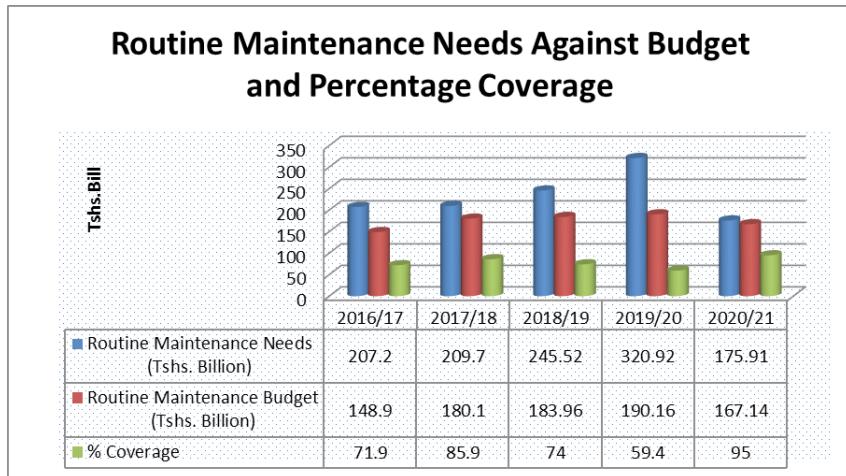
include resealing, overlays of less than 100 mm, fog sprays and shoulder re-forming. Pavement layer reconstruction or the addition of a pavement layer must not be included here, but under rehabilitation. The maintenance needs for the road related activities has been always bigger compared to the budgeted funds every year which on turn create a big financing gap both routine maintenance and periodic maintenance as shown in the **Table 19** and **Table 20** respectively.

Table 19: Trend Level of Maintenance Coverage of Routine Maintenance Needs as of December, 2020

Financial Year	2016/17	2017/18	2018/19	2019/20	2020/21
Routine Maintenance Needs (in TZS. Billion)	207.2	209.7	245.52	320.92	175.91
Routine Maintenance Budget (in TZS. Billion)	148.9	180.1	183.96	190.16	167.14
Percentage Coverage	71.9	85.9	74.0	59.4	95

Source: RFB, 2020

Figure 6: Routine Maintenance Needs Against Budget and Percentage Coverage



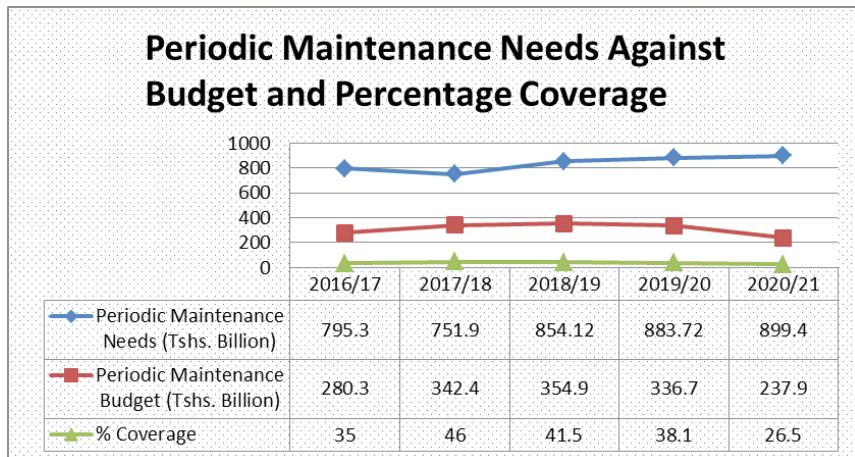
Source: RFB, 2020

Table 20: Trend of Percentage Coverage of Periodic Maintenance Needs as of December, 2020

Financial Year	2016/17	2017/18	2018/19	2019/20	2020/21
Periodic Maintenance Needs (Tshs. Billion)	795.3	751.9	854.12	883.72	899.4
Periodic Maintenance Budget (Tshs. Billion)	280.3	342.4	354.89	336.74	237.90
Percentage Coverage	35.0	46.0	41.5	38.1	26.5

Source: RFB, 2020

Figure 7: Periodic Maintenance Needs Against Budget and Percentage Coverage



Source: RFB, 2020

4.5 Contractors Registration Board

The Contractors Registration Board (CRB) is a Government Regulatory Board under the Ministry of Works ,Transport and Communication (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 21: Number of Registered Contractors by Type and Class as of December 2020

Type	Class						Total			
	L	F	Total	I	II	III	IV	V	VI	VII
Building	86	49	135	60	67	326	982	994	1761	4325
Civil Works	51	43	94	29	70	309	857	1504	1245	4108
Electrical	31	28	59	16	12	115	240	134	387	963
Mechanical	7	16	23	6	5	31	52	57	76	250
Specialist Building	9	7	16	8	10				34	
Specialist Civil	16	26	42	47	594					683
Specialist Electrical	49	31	80	168	204					452
Specialist Mechanical	56	41	97	110	252					459
Subtotal -Permanent	305	241	546	444	1210	781	2131	2689	3469	11274
Temporary	73	201	274	33	50	54	52	10	2	475
GRAND TOTAL	378	442	820	477	1264	835	2183	2699	3471	11749

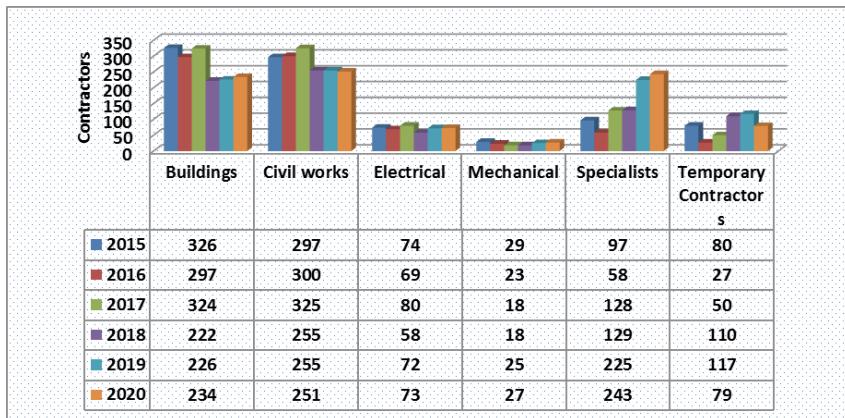
Source: CRB, 2020

Table 22: Number of Registered Contractors by Type, - Annually

Years/Type	Buildings	Civil works	Electrical	Mechanical	Specialists	Temporary Contractors
2016	297	300	69	23	58	27
2017	324	325	80	18	128	50
2018	222	255	58	18	129	110
2019	226	255	72	25	225	117
2020	234	251	73	27	243	79

Source: CRB, 2020

Figure 8: Number of Registered Contractors by Type



Source: CRB, 2020

Table 23: Cumulative Number of Registered Building Contractors by Class

Class	2016	2017	2018	2019	2020
I	215	219	157	164	135
II	50	53	55	59	60
III	64	65	71	77	67
IV	276	304	291	312	326
V	803	888	845	918	982
VI	816	909	839	912	994
VII	1785	1895	1670	1712	1761
TOTAL	3910	4333	3,928	4154	4325

Source: CRB, 2020

Table 24: Number of Registered Building Contractors

Class	2016	2017	2018	2019	2020
One	4	4	6	7	3
Two	6	3	2	4	9
Three	4	1	4	6	3
Four	35	28	22	21	23
Five	72	85	64	73	66
Six	91	93	66	73	81
Seven	85	110	58	42	49
TOTAL	297	324	222	226	234

Source: CRB, 2020

Table 25: Cumulative Number of Civil Contractors by Class

Class	2016	2017	2018	2019	2020
I	63	110	125	134	94
II	20	22	24	30	29
III	60	65	71	76	70
IV	241	244	280	301	309
V	706	666	730	805	857
VI	1,314	1,183	1,290	1,397	1,504
VII	1,343	1,145	1,178	1,210	1,245
Total	3,747	3,435	3,698	3,953	4108

Source: CRB, 2020

4.6 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.

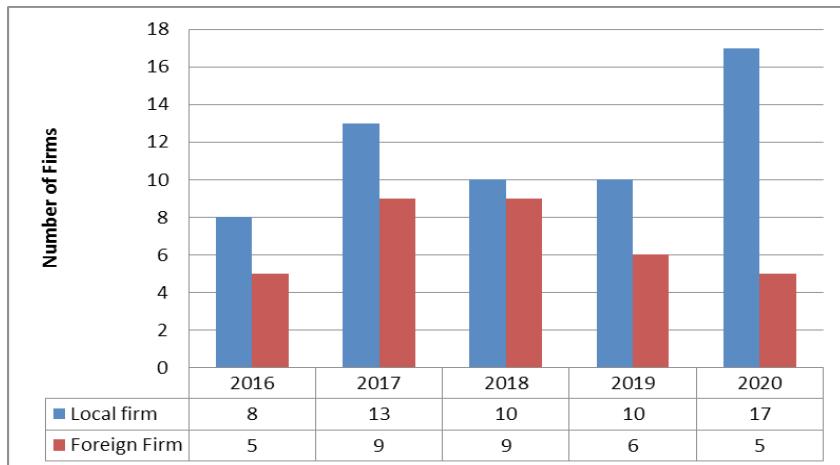
The function of ERB is to regulate and monitor engineering practice in Tanzania through promotion of engineering excellence among local engineers, engineering technicians and engineering consulting firms with a view to enhance their competitiveness and professionalism in the engineering practice”

Table 26: Number of Engineering Consulting Firms Registration by Category as of December, 2020

Category	2016	2017	2018	2019	2020
Local firm	8	13	10	10	17
Foreign Firm	5	9	9	6	5
Total	13	22	19	16	22

Source: ERB, 2020

Figure 9: Number of Engineering Consulting Firms Registration by Category



Source: ERB, 2020

Table 27: Registration of Engineers by Discipline as of December, 2020

Discipline	Category					Total		
	GIE	GE	IE	PE	TPE			
Civil	270	6654	187	3627	1597	325	113	12773
Mechanical / Industrial / Automobile	156	2649	83	911	210	40	8	4057
Electrical	147	3174	139	942	206	45	13	4668
Electronics & Telecommunications	104	1598	44	262	89	12	2	2111
Environmental	27	763	22	260	23	17	3	1115
Mining / Mineral Processing / Petroleum / Gas		1097	2	237	77	4	1	1418
Aeronautical		25		6			31	
Agricultural/Irrigation	2	940	1	176	20	3	2	1144
Chemical & Process	1	583	2	150	14	3	1	754
Marine	16	13	5	25	4		63	
Computer & IT		1008		84	17	1		1110
Textile		25		4	2		31	
Geotechnical		55		20	112	5	1	193
Food and Biochemical		66		13			79	
Electromechanical		144	1	52	9	6		212
Total	723	18794	486	6769	2380	461	144	29759

Source: ERB, 2020

Table 28: Registered Engineering Consulting Firms as of December, 2020

Category 1: Local Engineering Consulting Firms

S/N	Category	Number of Registered Firms					Total
		2016	2017	2018	2019	2020	
1	Civil/Structural	7	8	5	4	11	35
2	Electrical	0	4	1	3	1	9
3	Mechanical	0	1	0	3	4	8
4	Water Resources	1	0	0	0		1
5	Electronics/ Telecoms	0	0	1	0		1
6	Mining	0	0	0	0		0
7	ICT	0	0	0	0		0
8	Environmental	0	0	3	0	1	4
Total		8	13	10	10	17	58

Source: ERB, 2020

Category 2: Foreign Engineering Consulting Firms

S/N	Category	Number of Registered Firms					Total
		2016	2017	2018	2019	2020	
1	Civil/Structural	4	7	8	5	2	26
2	Electrical	0	0	1	1	2	4
3	Mechanical	0	0	0	0		0
4	Water Resources	0	1	0	0		1
5	Electronics / Telecoms	0	0	0	0	1	1
6	Mining	0	0	0	0		0
7	ICT	0	0	0	0		0
8	Environmental	1	1	0	0		2
Total		5	9	9	6	5	34

Source: ERB, 2020

Category 3: Total Local and Foreign Firms, (2016 -2020)

S/N	Category	Number of Registered Firms					Total
		2016	2017	2018	2019	2020	
1	Civil/Structural	11	15	13	9	13	61
2	Electrical	0	4	2	4	3	13
3	Mechanical	0	1	0	3	4	8
4	Water Resources	0	1	0	0		1
5	Electronics / Telecoms	0	0	1	0	1	2
6	Mining	0	0	0	0		0
7	ICT	0	0	0	0		0
8	Environmental	0	1	3	0	1	5
Total		11	22	19	16	22	90

Source: ERB, 2020

4.7 Architects and Quantity Surveyors Registration Board (AQRB)

Table 29: Professional Registered Architects, Interior Designers, Landscape Architect, Quantity Surveyors, Building Surveyors Construction Managers, Project Manager and Practicing Firms– Cumulatively as of 31st December, 2020

Year	Architects		Quantity Surveyors		Building Surveyors		Landscape Architects		Interior Designers		Architectural Technologist		Construction Managers		Project Managers		
	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Total	Local	Foreign	Total	
2016	402	29	431	359	2	361	8	8	1	1	1	1				6	1
2017	422	30	452	400	2	402	15	15	2	2	4	4	5	5		20	2
2018	445	31	476	451	2	453	19	19	4	4	9	9	9	9		27	3
2019	486	30	516	497	2	499	21	21	4	4	10	10	11	11		34	3
2020	507	30	537	543	2	545	23	23	5	5	11	11	11	11		35	3

Source: AQRB, 2020

Table 30: Firms Registered Architectural, Quantity Surveying, Building Surveying and Interior Design: Cumulatively as on 31st December, 2020

Year	Architectural Firms			Quantity Surveyors Firms			Building Surveyors Firms			Interior Design Firms		
	local	foreign	total	local	foreign	total	local	foreign	total	local	foreign	total
2019	243	9	252	132	1	133	1		1	1		1
2020	255	9	264	139	1	140	1		1	1		1

Source: AQRB, 2020

4.8 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 31: Labour/Material Indices

Base Date	Unskilled Labour	Cement	Reinforcement	Z-Purlin	Corrugated iron Sheets	Soft wood	Hard wood	Emulsion Paint	Galvanized Steel Pipes	Fuel-Diesel
January, 2019	22358.06	3563.35	1938.61	2473.65	2338.97	361.43	3705.57	5261.88	534.21	3705.13
February	22358.06	3563.35	1938.61	2473.65	2338.97	361.43	3705.57	5261.88	534.21	3705.13
March	22358.06	3563.35	1938.61	2473.65	2338.97	361.43	3705.57	5261.88	534.21	3705.13
April	22358.06	3563.35	1938.61	2473.65	2338.97	361.43	3705.57	5261.88	534.21	3705.13
May	22358.06	3563.35	1938.61	2473.65	2338.97	361.43	3705.57	5261.88	534.21	3705.13
June	22358.06	3563.35	1938.61	2473.65	2338.97	361.43	3705.57	5261.88	534.21	3705.13
July	22358.06	3563.35	1938.61	2473.65	2338.97	361.43	3705.57	5261.88	534.21	3705.13
August	22358.06	3563.35	1938.61	2473.65	2338.97	361.43	3705.57	5261.88	534.21	3705.13
September	22358.06	3563.35	1938.61	2473.65	2338.97	361.43	3705.57	5261.88	534.21	3705.13
October	22358.06	3563.35	1938.61	2473.65	2338.97	361.43	3705.57	5261.88	534.21	3705.13
November	22358.06	3563.35	1938.61	2473.65	2338.97	361.43	3705.57	5261.88	534.21	3705.13
December	22358.06	3563.35	1938.61	2473.65	2338.97	361.43	3705.57	5261.88	534.21	3705.13

Base Date	Unskilled Labour	Cement	Reinforcement	Aggregate	Z-Purlin Sheets	Corrugated iron	Soft wood	Hard wood	Emulsion Paint	Galvanized Steel Pipes	Fuel-Diesel
January, 2020	22358.06	3563.35	1938.61	2473.65	2338.97	361.43	3705.57	5261.88	534.21	3705.13	9426.67
February	22358.06	3563.35	1938.61	2473.65	2338.97	361.43	3705.57	5261.88	534.21	3705.13	9755.56
March	22358.06	3484.16	1938.61	2473.65	2338.97	361.43	3705.57	5261.88	534.21	3705.13	9568.89
April	22358.06	3484.16	1938.61	2473.65	2338.97	361.43	3705.57	5261.88	534.21	3705.13	8840.00
May	22358.06	3484.16	1938.61	2473.65	2338.97	361.43	3705.57	5261.88	534.21	3705.13	8204.44
June	22358.06	3484.16	1938.61	2473.65	2338.97	361.43	3705.57	5261.88	534.21	3705.13	6871.11
July	22358.06	3484.16	1938.61	2473.65	2338.97	361.43	3705.57	5261.88	534.21	3705.13	7626.67
August	22358.06	3484.16	1938.61	2473.65	2338.97	361.43	3705.57	5261.88	534.21	3705.13	7933.33
September	22358.06	3484.16	1938.61	2473.65	2338.97	361.43	3705.57	5261.88	534.21	3705.13	7968.89
October	22358.06	3510.56	1938.61	2473.65	2338.97	361.43	3705.57	5261.88	534.21	3705.13	7902.22
November	22358.06	3510.56	1938.61	2473.65	2338.97	361.43	3705.57	5261.88	534.21	3705.13	7706.67
December	22358.06	3510.56	1938.61	2473.65	2338.97	361.43	3705.57	5261.88	534.21	3705.13	7497.78

Source: NCC, 2020

4.9 Institute of Construction Technology (ICoT)

ICoT is being established by transforming, integrating and modernizing two existing institutes - the Morogoro based Works Training Institute (MWTI) and the Mbeya based Appropriate Technology Training Institute (ATTI) – both currently owned by the MWTC. While MWTI was established in 1974 with the aim of training civil servants who were working with the Public Works Department (PWD), ATTI was established in 1993 with the objective of training professionals engaged in road construction and maintenance using the labour-based technology (LBT). Over the years, both institutions have been operating under the Roads Division of the Ministry. Although both the MWTI and ATTI have basic infrastructure and training facilities, they have various limitations that do not encourage the provision of the intended services with the changing needs of the construction industry. The trend is causing the depletion of skills, and the qualifications of products from these institutions do not have wide recognition. In addition, the qualifications attained do not provide opportunity for the graduates from these institutions to proceed with further training in other accredited institutions.

NUMBER OF STUDENTS ENROLLED IN THE ACADEMIC YEAR 2020/21

I. VOCATIONAL EDUCATION AND TRAINING (VET)

LONG COURSE

FIRST YEAR

S/N	COURSE TITLE	NUMBER OF STUDENTS		
		MALE	FEMALE	TOTAL
1	Auto Electric	45	2	47
2	Civil Draughting	6	2	8
3	Electrical Installation	77	12	89
4	Masonry and Bricklaying	7	0	7
5	Motor Vehicle Mechanics	23	0	23
6	Plumbing and Pipe Fittings	14	11	25
7	Road Construction	4	2	6
8	Welding and Metal Fabrication	4	0	4
TOTAL		180	29	209

SECOND YEAR

S/N	COURSE TITLE	NUMBER OF STUDENTS		
		MALE	FEMALE	TOTAL
1	Auto Electric	37	0	37
2	Civil Draughting	4	2	6
3	Electrical Installation	63	11	74
4	Masonry and Bricklaying	7	0	7
5	Motor Vehicle Mechanics	34	1	35
6	Plumbing and Pipe Fittings	16	10	26
7	Road Construction	6	4	10
8	Welding and Metal Fabrication	4	0	4
TOTAL		171	28	199

	GRAND TOTAL	408
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I. NTA LEVEL 4

S/N	COURSE TITLE	NUMBER OF STUDENTS		
		MALE	FEMALE	TOTAL
1	Civil Engineering	9	1	10
2	Electrical Engineering	3	3	6
3	Mechanical Engineering	8	2	10
	TOTAL	20	6	26

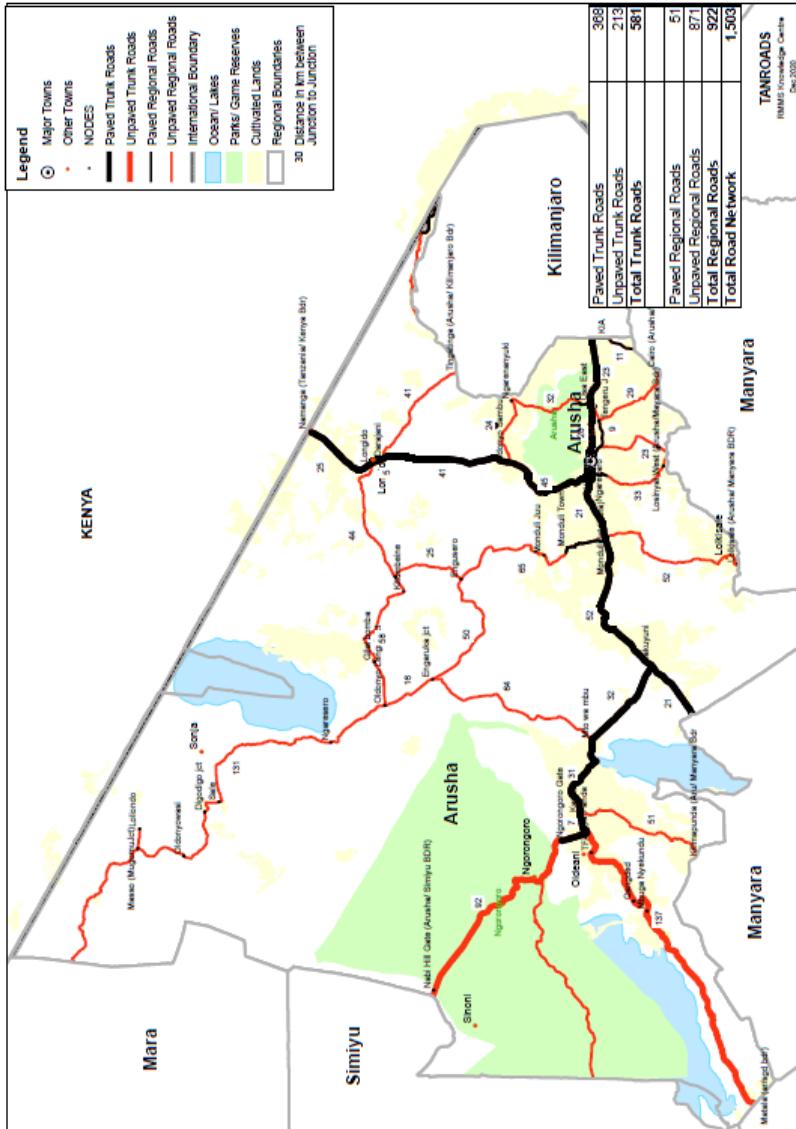
SHORT COURSES

S/N	COURSE TITLE	NUMBER OF STUDENTS		
		MALE	FEMALE	TOTAL
1	Labour Based Technology	19	16	35
2	Basic Motor Vehicle Driving	143	18	161
3	Passengers Service Vehicle (PSV)	18	1	19
4	Plant Operator	1	0	1
5	Plumbing	1	0	1
6	Basic Motor Cycle Driving	1	0	1
	TOTAL	183	35	218

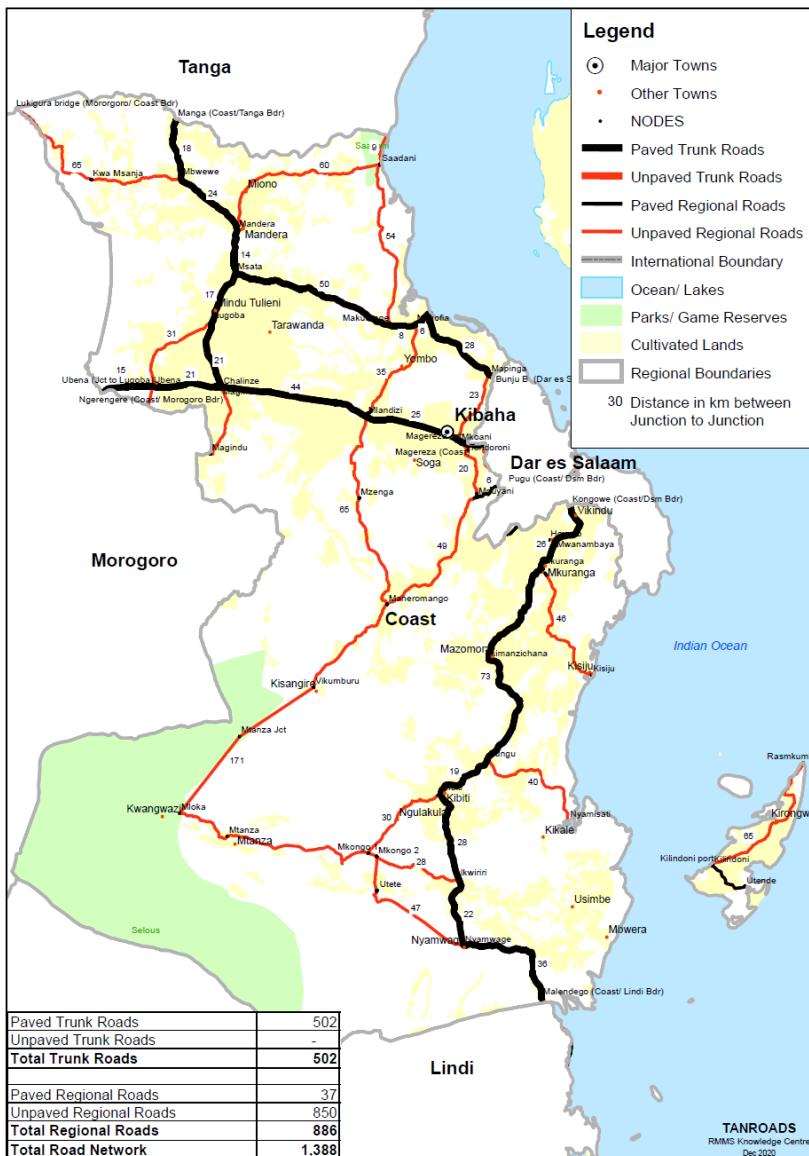
ANNEX 2:

Road Network Maps by Region as of February, 2020

ARUSHA REGION ROADS NETWORK

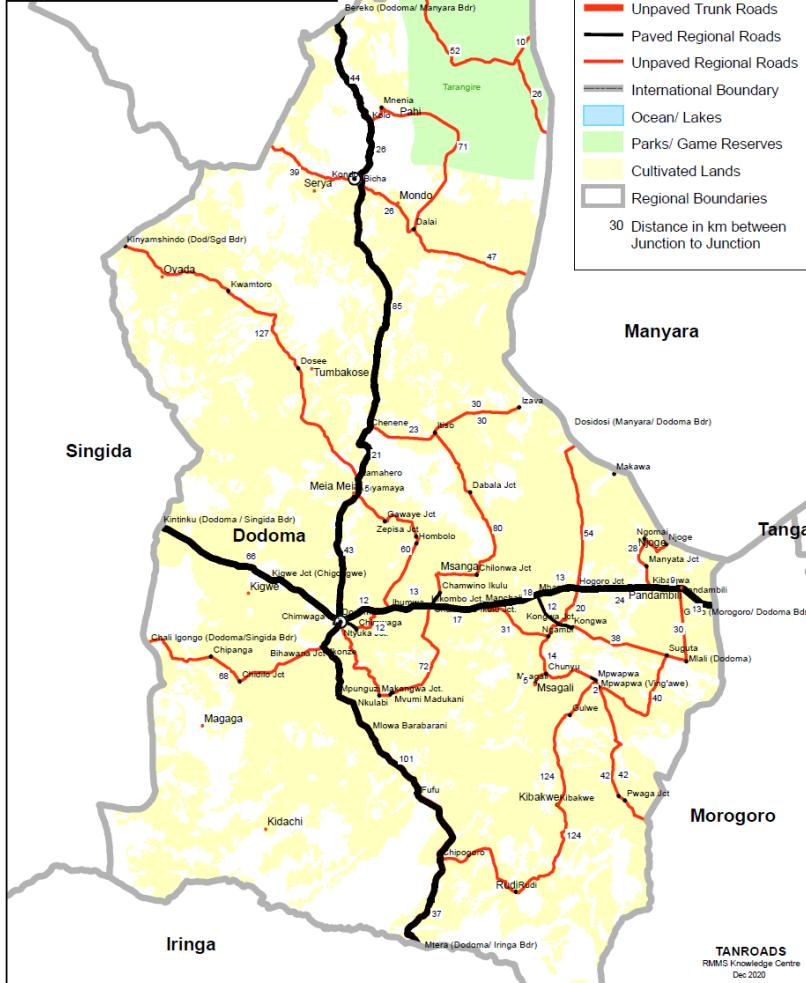


COAST REGION ROADS NETWORK

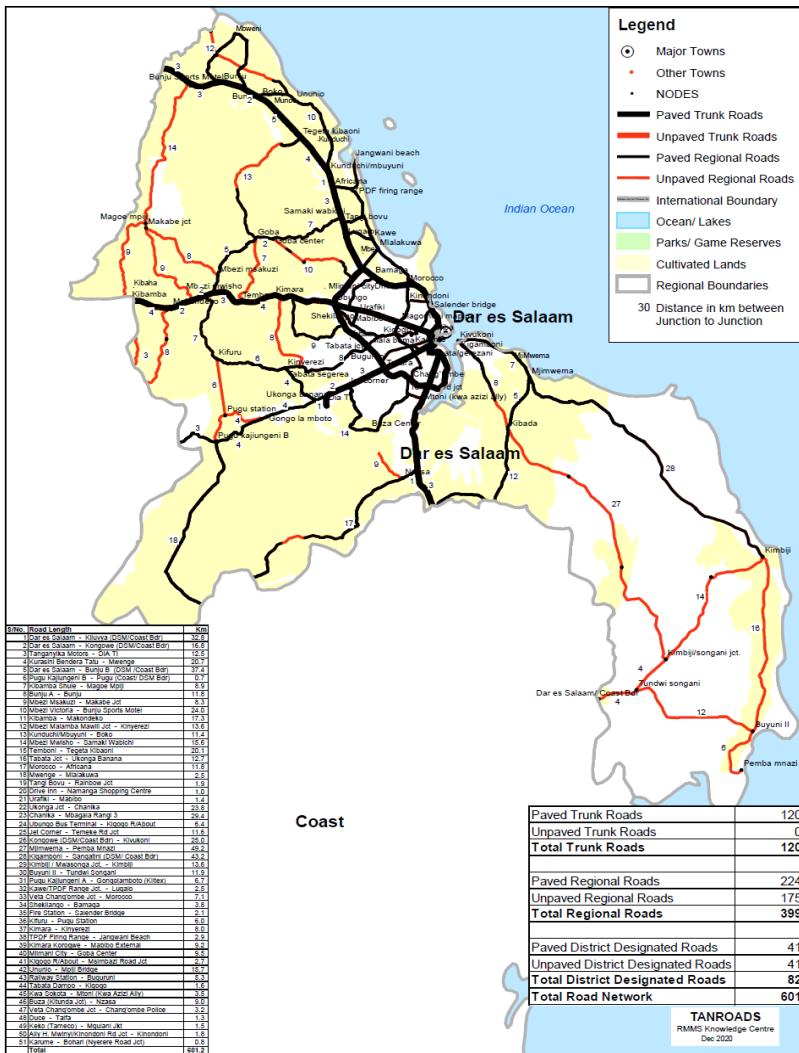


DODOMA REGION ROADS NETWORK

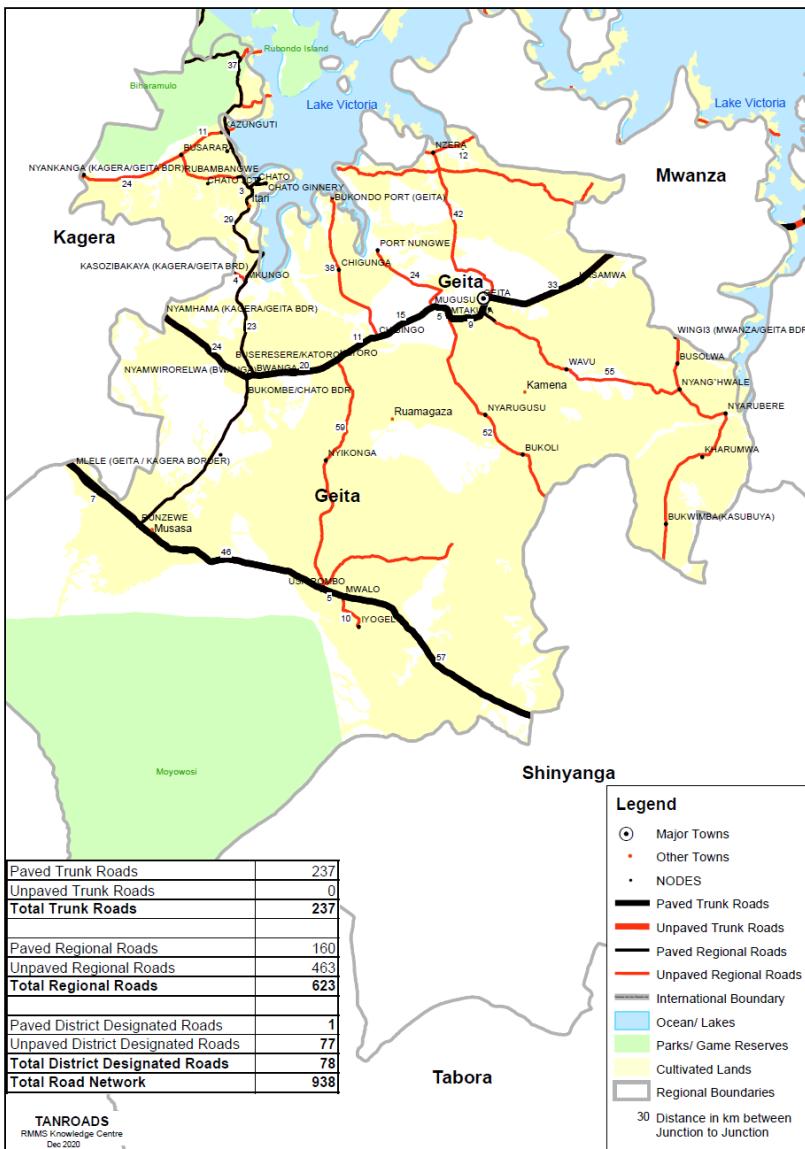
Paved Trunk Roads	555
Unpaved Trunk Roads	-
Total Trunk Roads	555
Paved Regional Roads	32
Unpaved Regional Roads	1,109
Total Regional Roads	1,142
Total Road Network	1,697



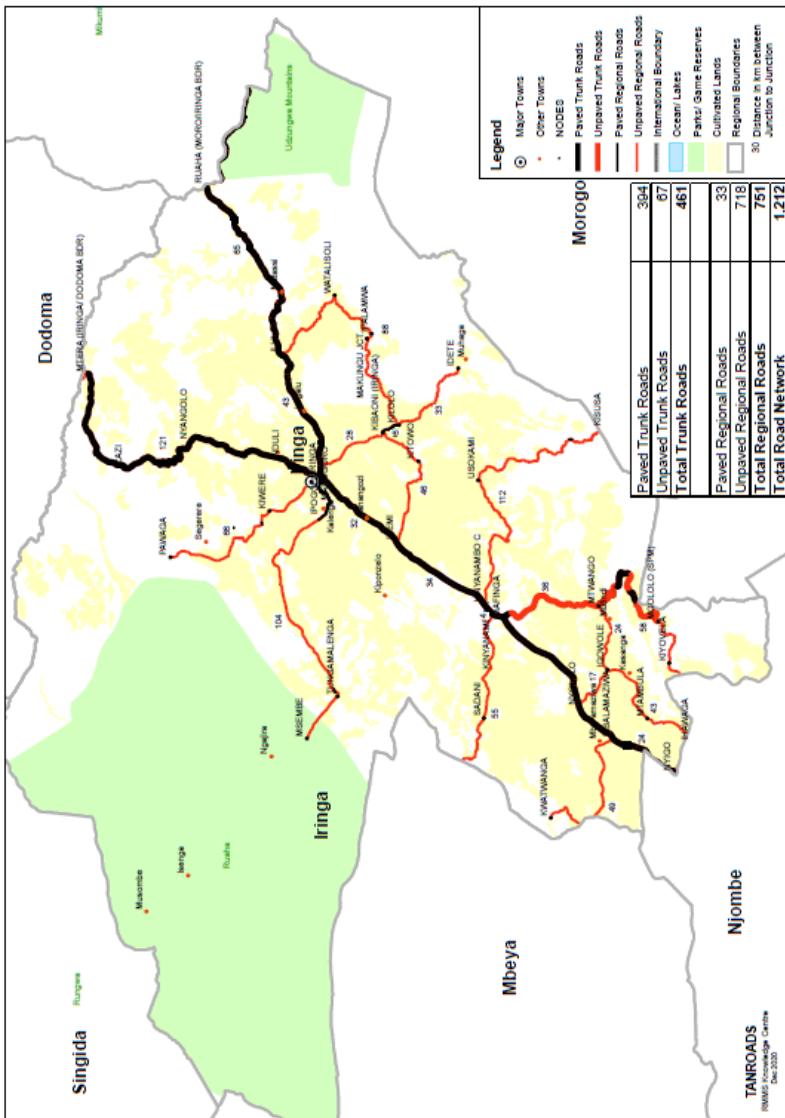
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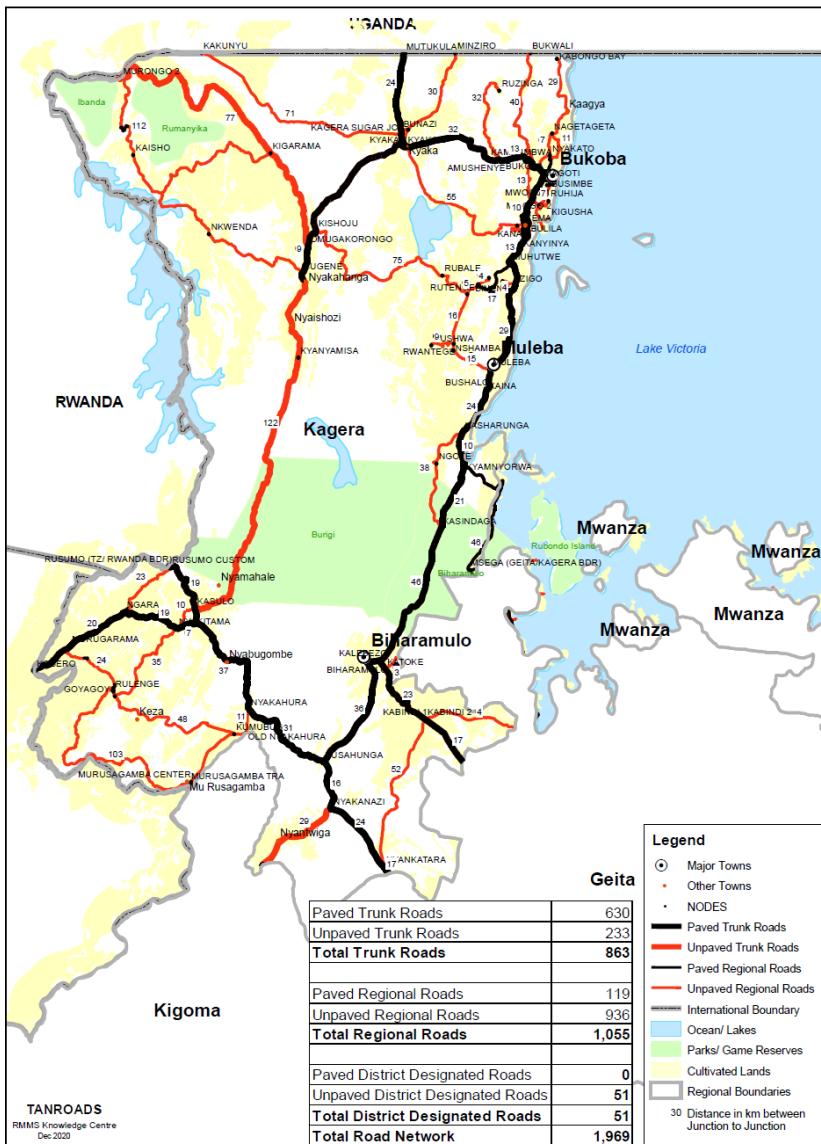
GEITA REGION ROADS NETWORK



IRINGA REGION ROADS NETWORK



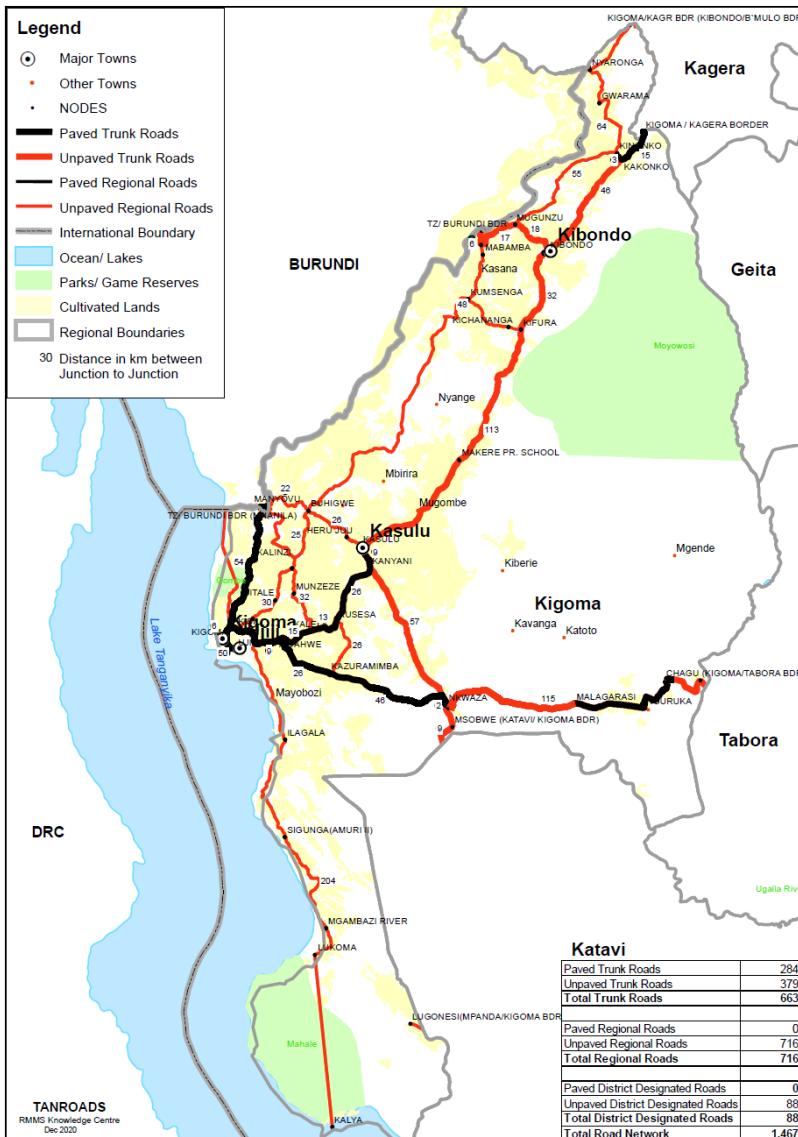
KAGERA REGION ROADS NETWORK



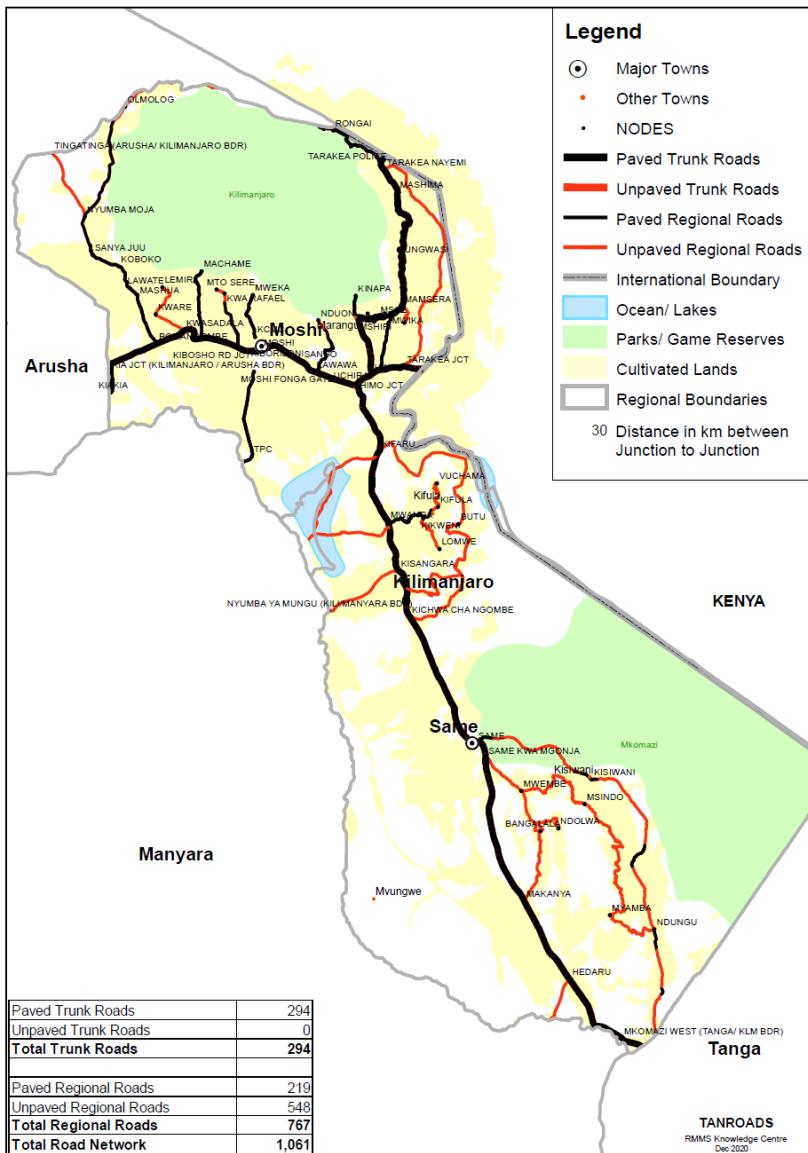
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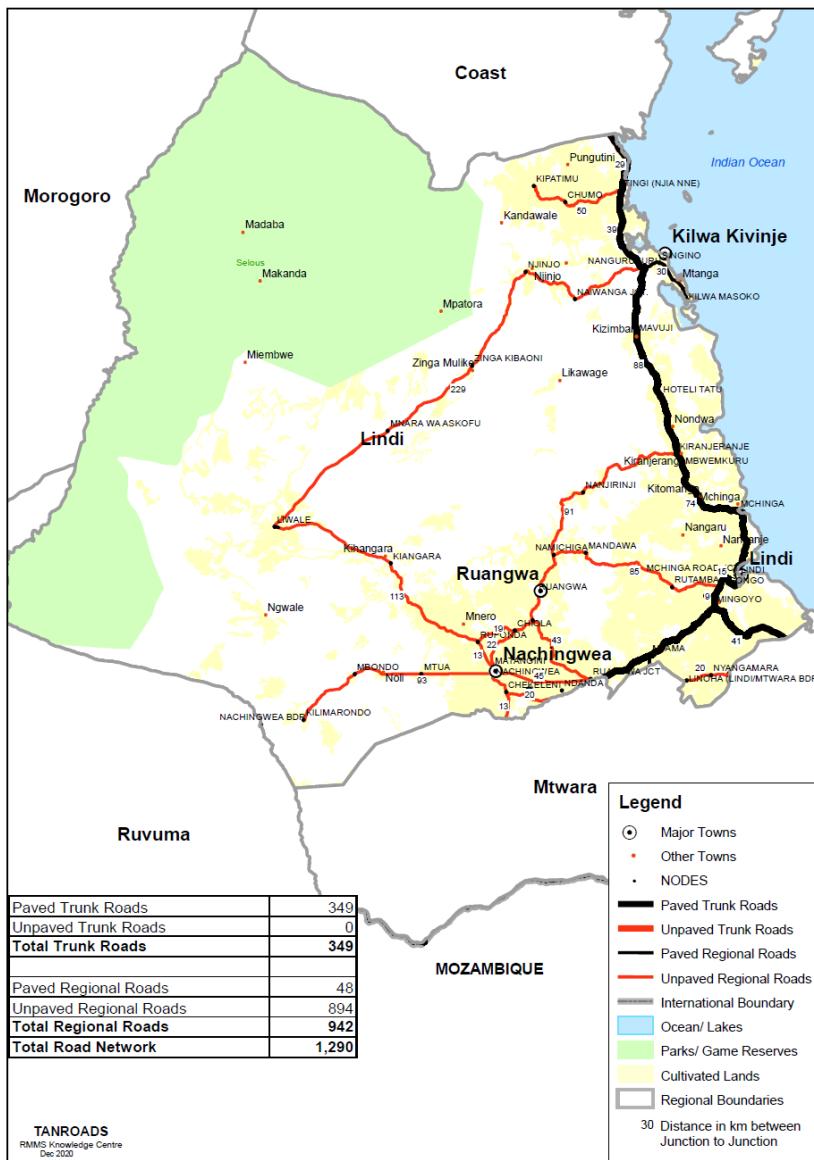
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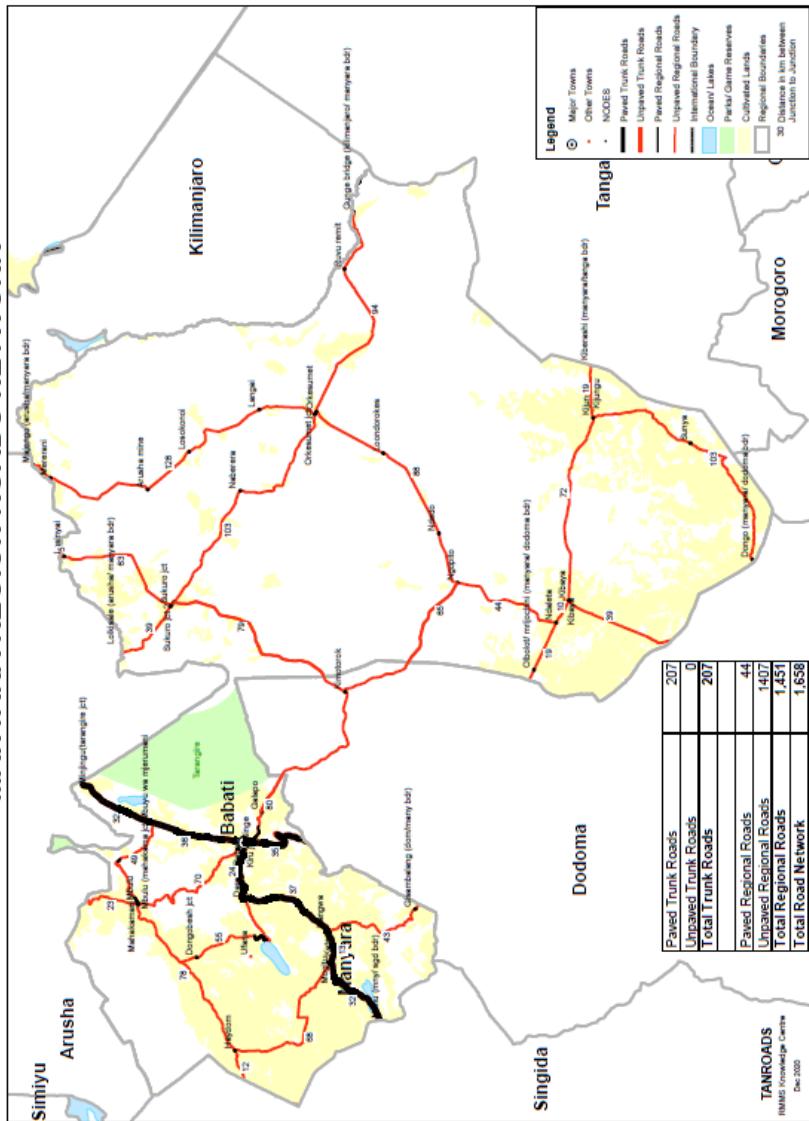
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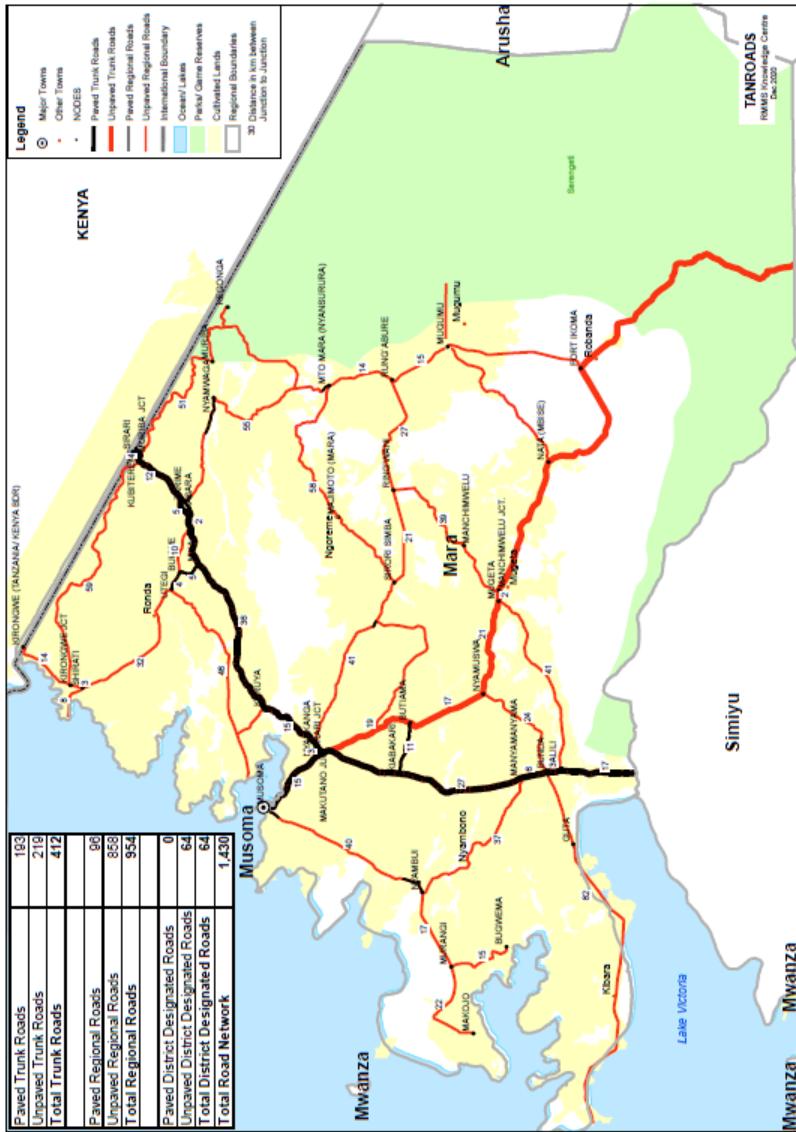
LINDI REGION ROADS NETWORK



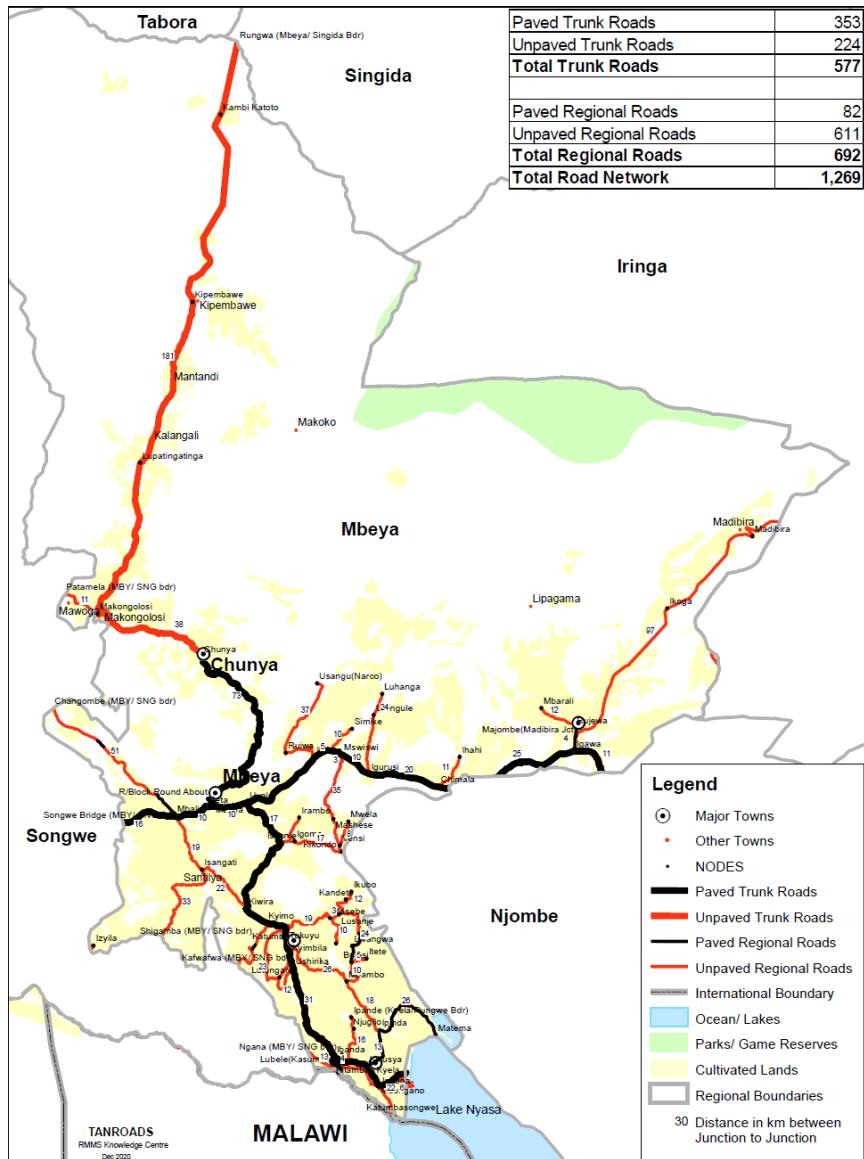
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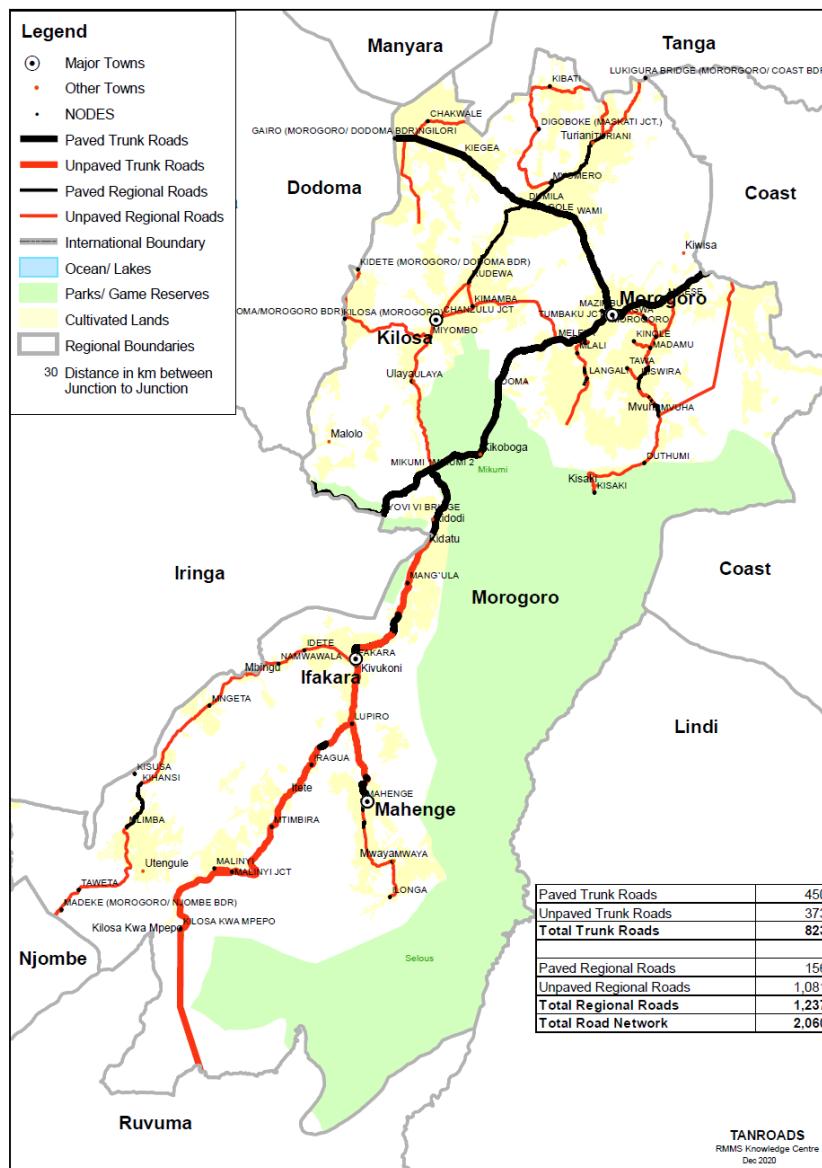
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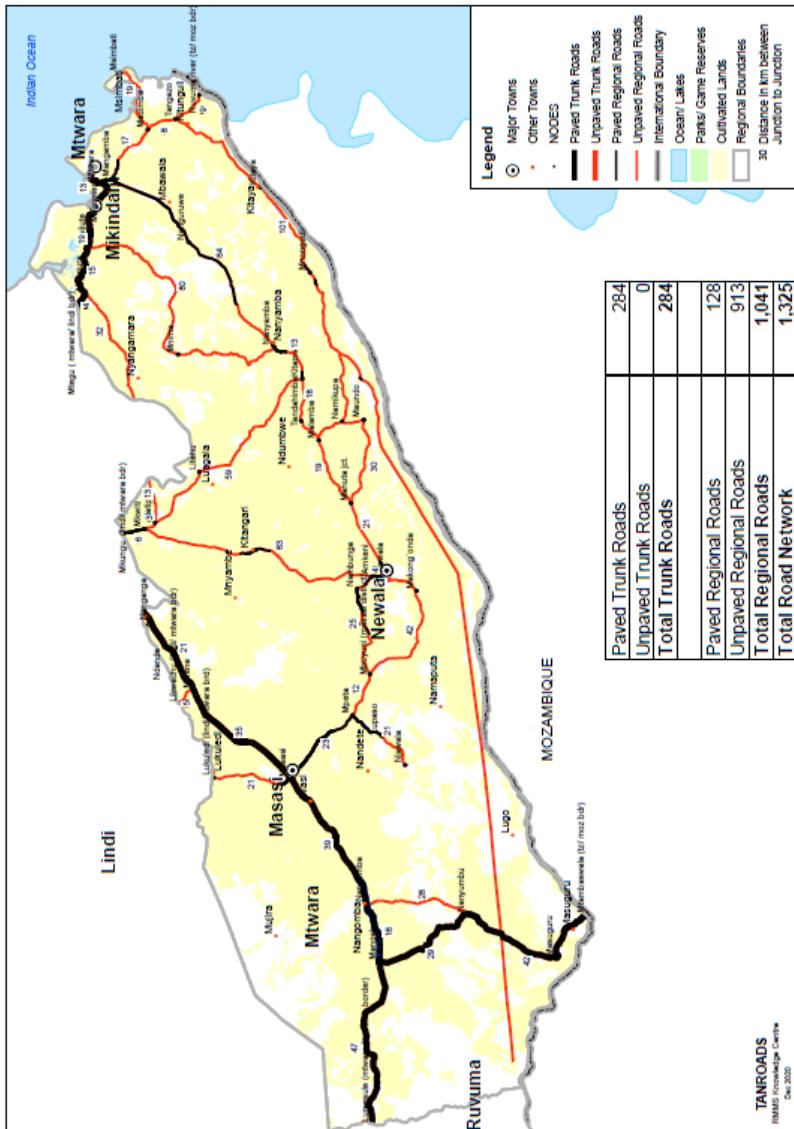
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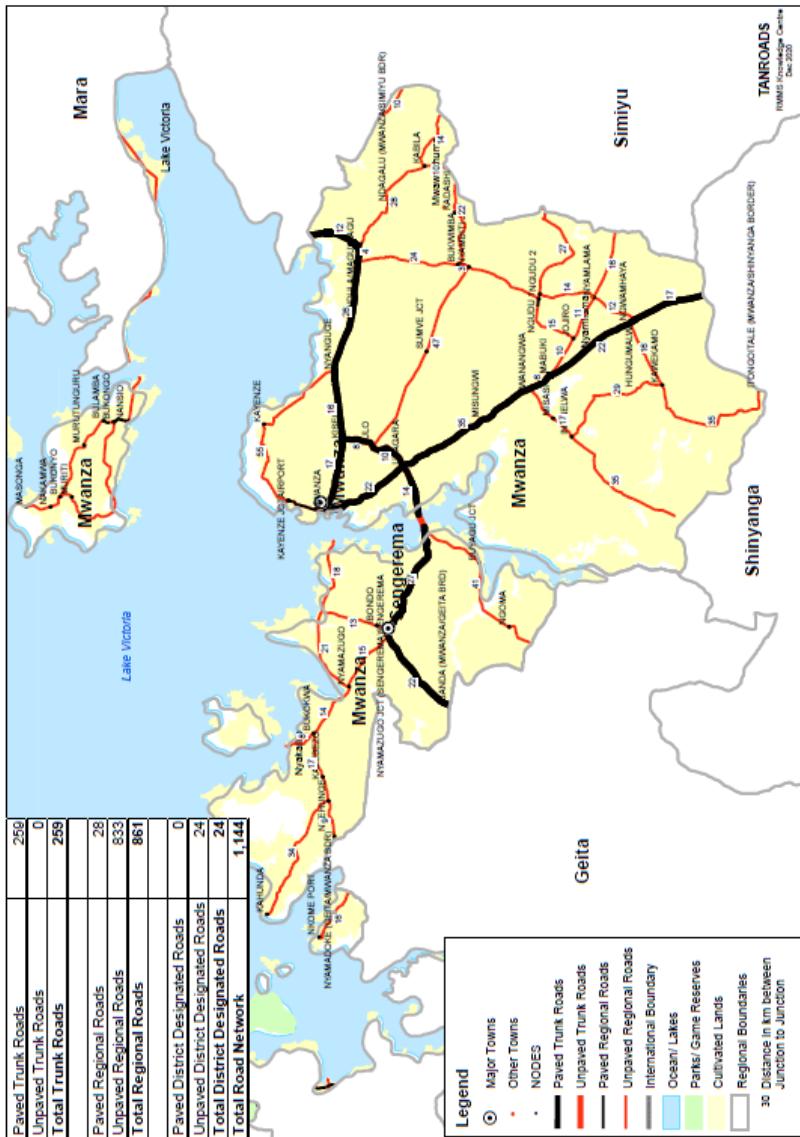
MOROGORO REGION ROADS NETWORK



MTWARA REGION ROADS NETWORK



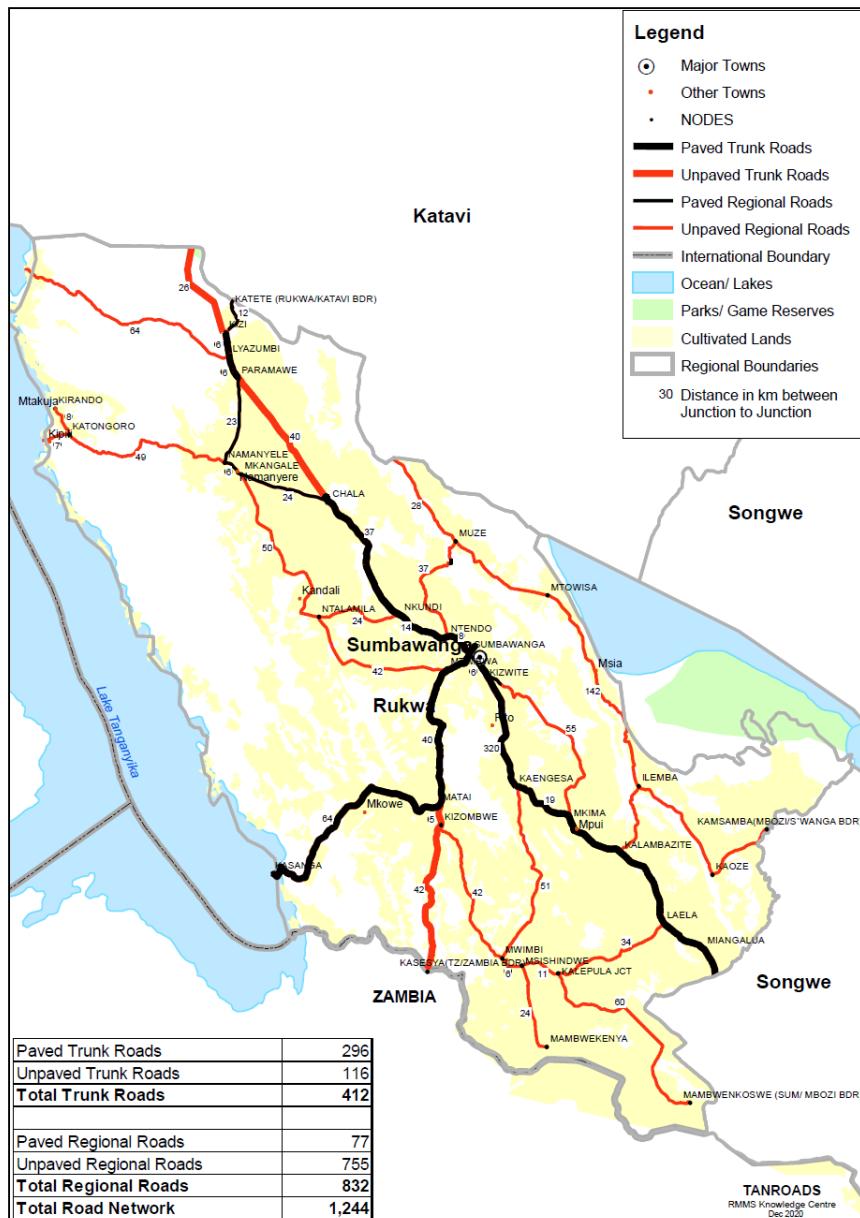
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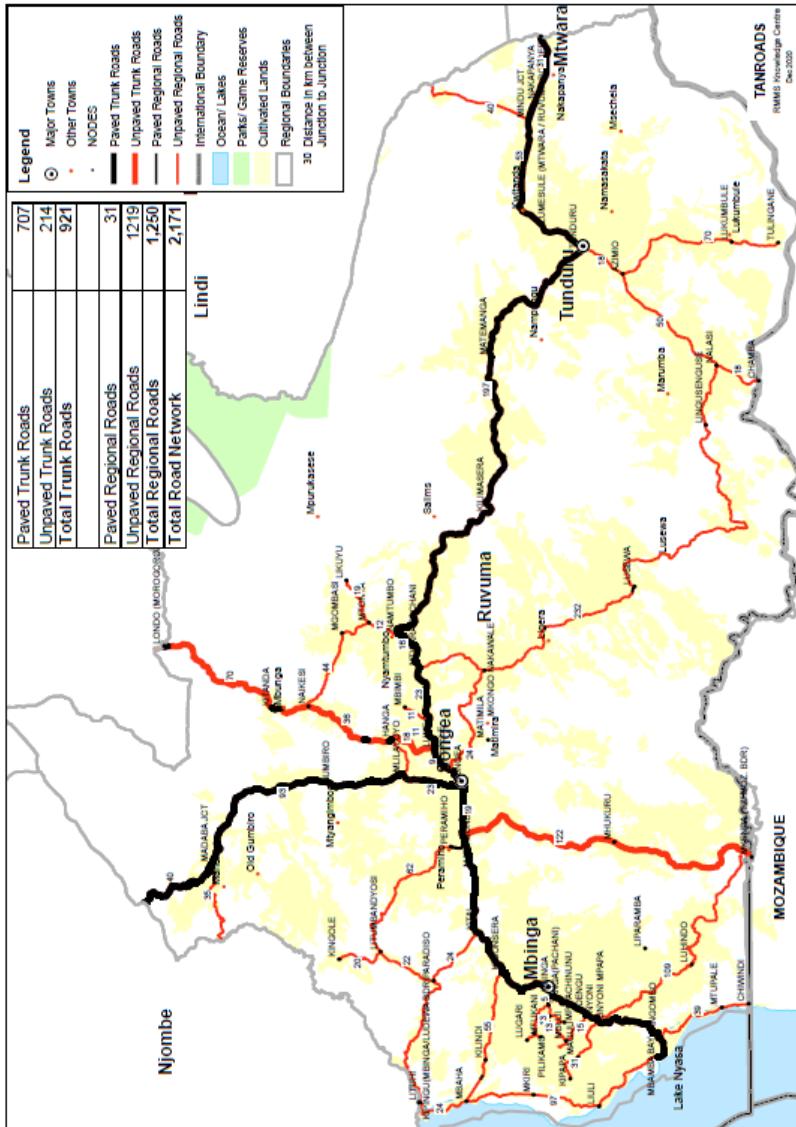
NJOMBE REGION ROADS NETWORK



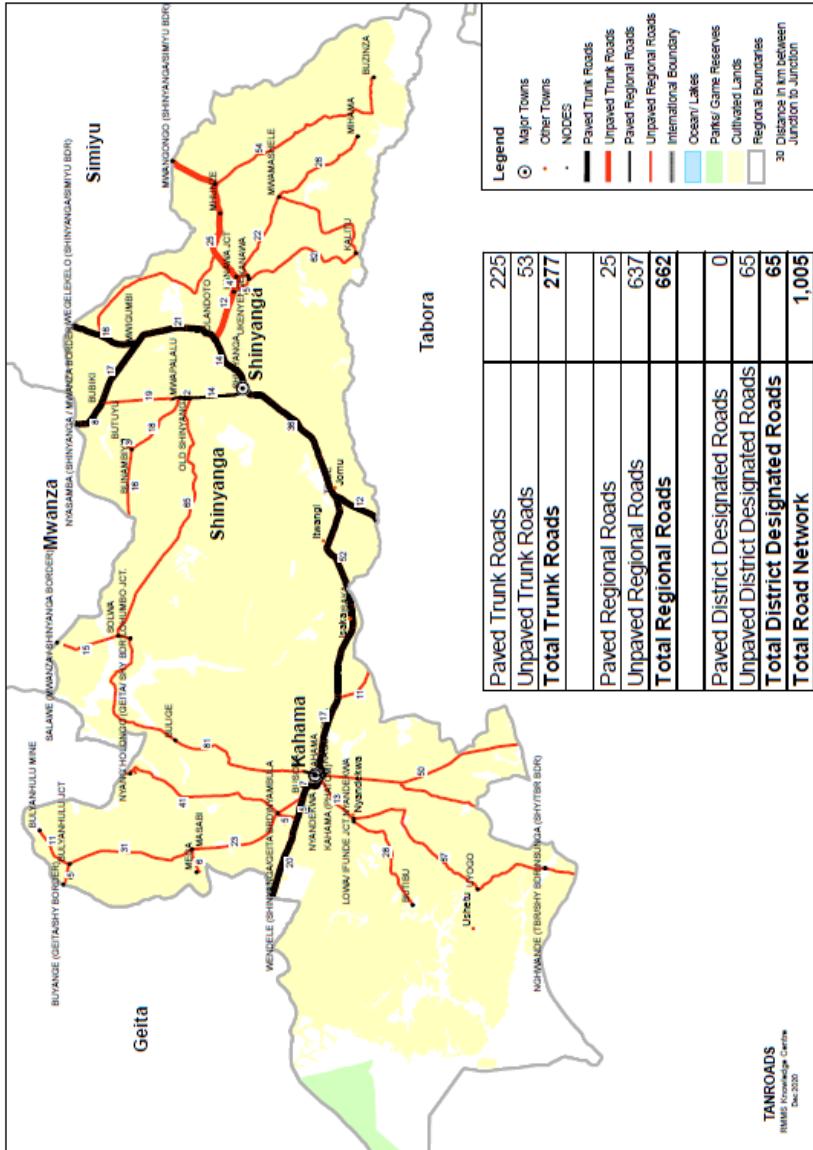
RUKWA REGION ROADS NETWORK



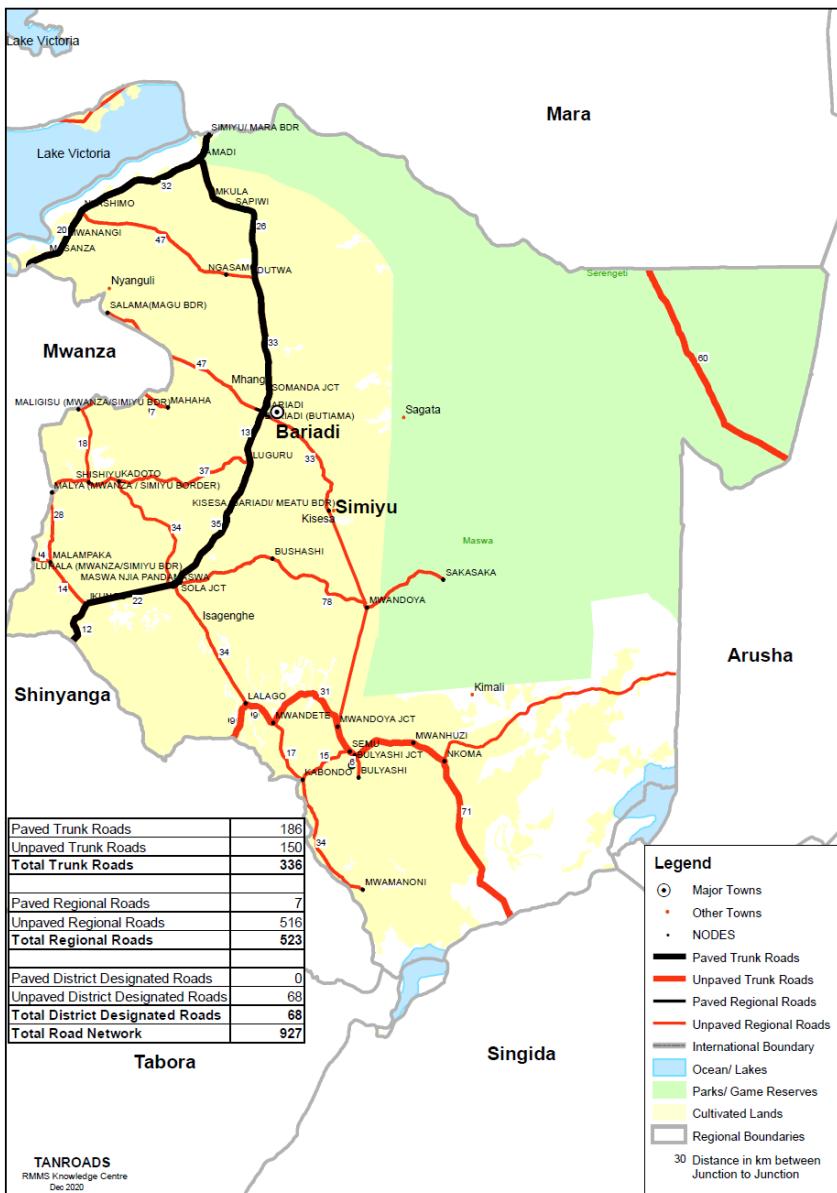
RUVUMA REGION ROADS NETWORK



SHINYANGA REGION ROADS NETWORK

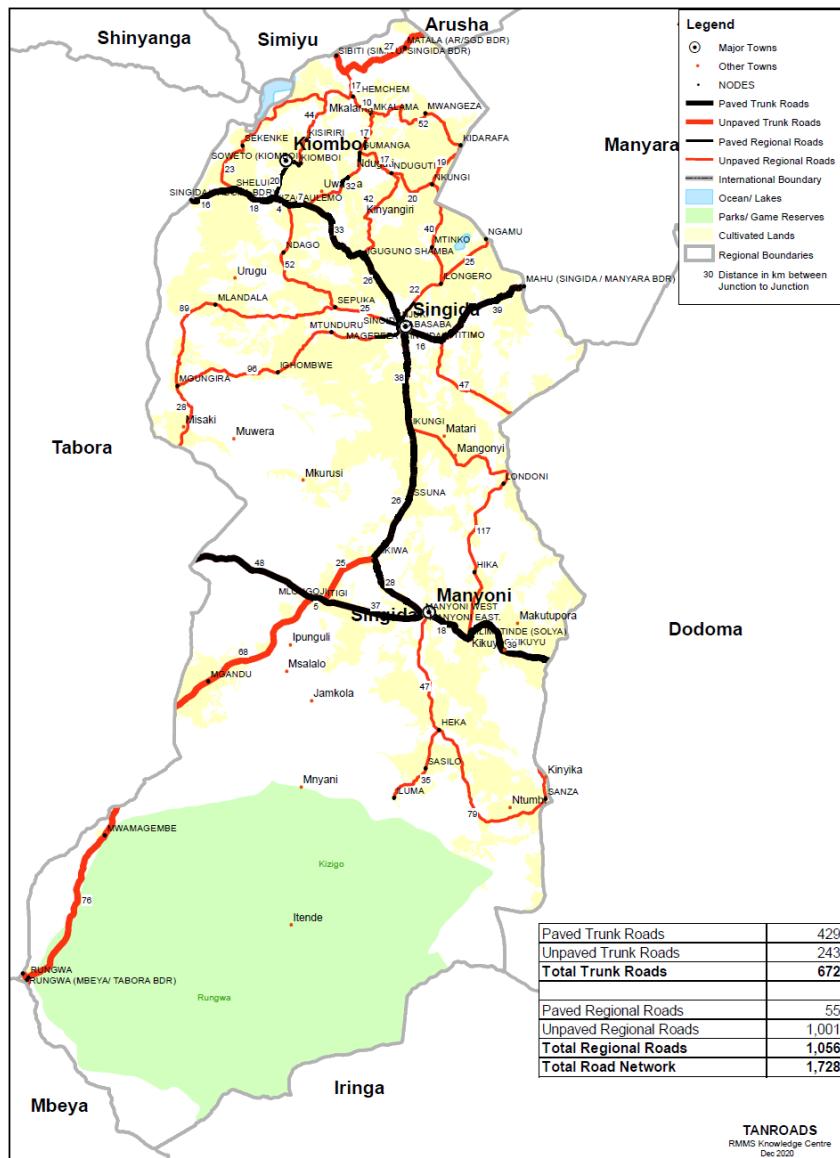


SIMIYU REGION ROADS NETWORK

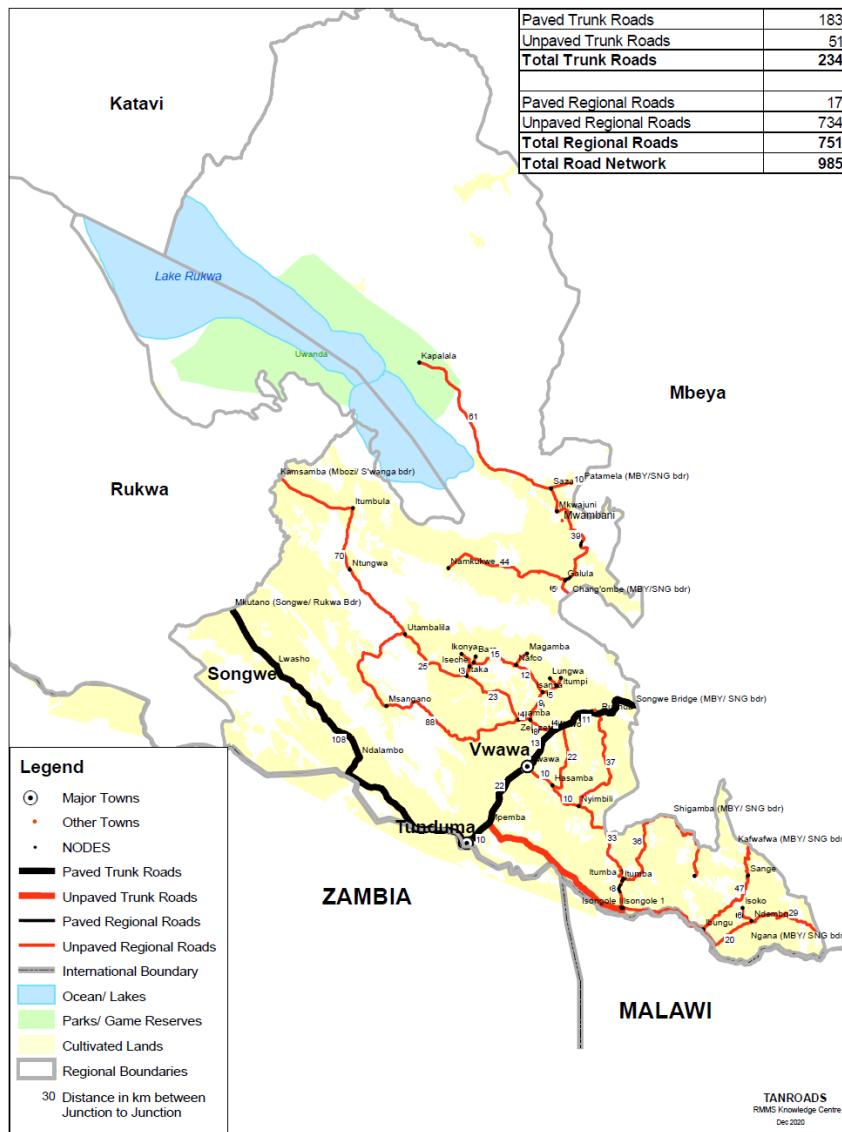


TANROADS
RMMS Knowledge Centre
Dec 2020

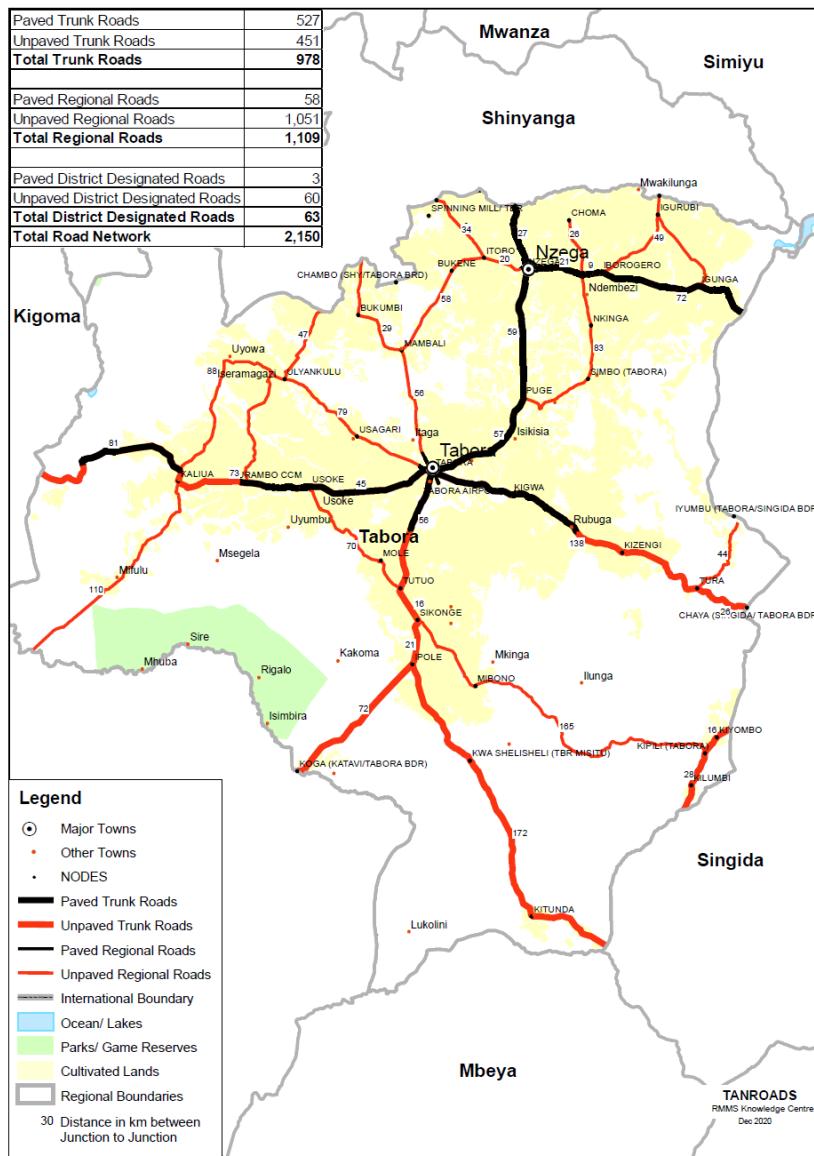
SINGIDA REGION ROADS NETWORK



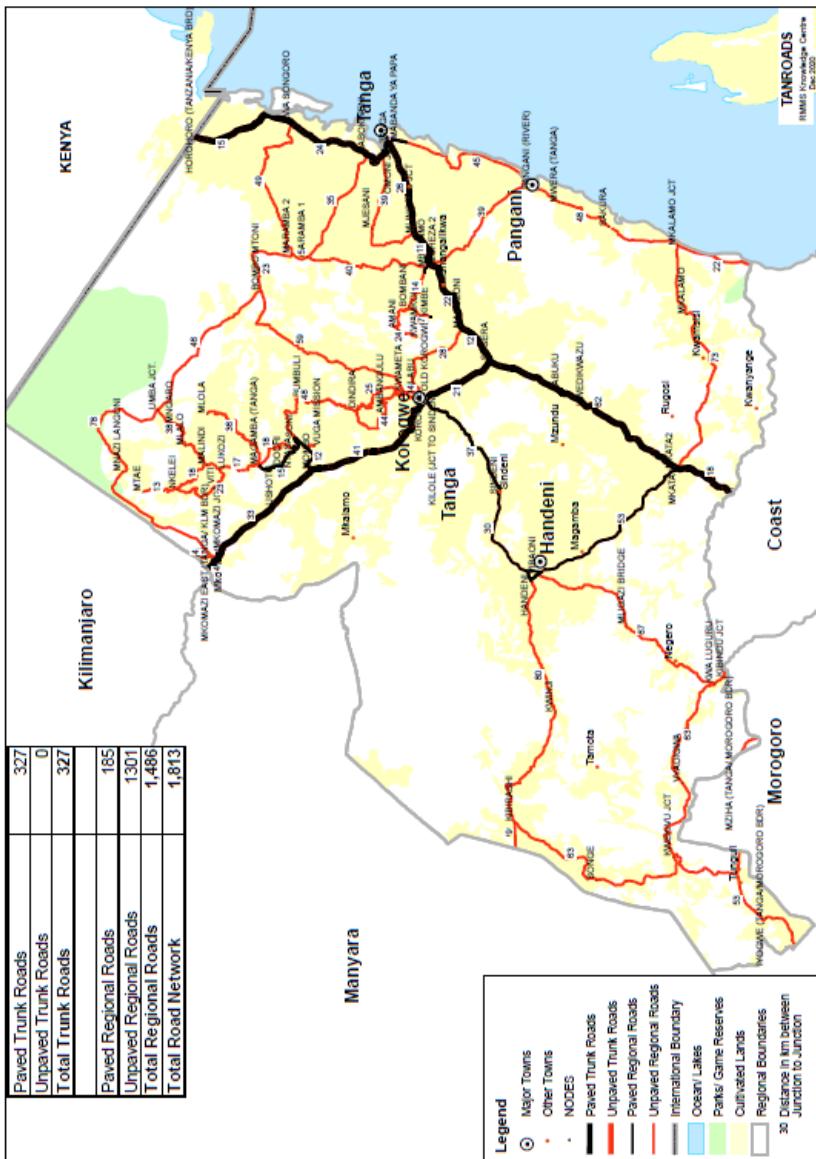
SONGWE REGION ROADS NETWORK



TABORA REGION ROADS NETWORK



TANGA REGION ROADS NETWORK



MINISTRY OF WORKS AND TRANSPORT (WORKS SECTOR)
GOVERNMENT CITY - MTUMBA
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