THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF WORKS

Basic Statistics and Information in Construction Industry Sector (2013)

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FOREWORD

Adequate and appropriate data and information is a prerequisite for policy formulation monitoring and evaluation as well as strategic planning processes. Similarly, the use of the same enables implementation of sector policies, strategies and programmes. Consequently rational decision making, which is crucial for our national economy and social development, is made possible. This booklet containsConstruction data at national level for the range of five years, from 2009 to 2013.

Likewise, the development and management of the Construction Industry Sector depend largely on how realistic and effective available data are used in the planning, 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 has been annually publishing a sector statistics document from data collected from various stakeholders. These include Government Ministries, Departments, Agencies and Parastatals.

EngMussaI.Iyombe
Permanent Secretary

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ABBREVIATIONS

AQRB	Architects and Quantity Surveyors Registration Board
ATTI	Appropriate Technology Training Institute
CE	Consulting Engineers
CRB	Contractors Registration Board
DSM	Dar es Salaam
ERB	Engineers Registration Board
FECF	Foreign Engineering Consulting Firm
F/Y	Financial Year
GDP	Gross Domestic Product
GE	Graduate Engineers
GTE	Graduate Technician Engineers
LECF	Local Engineering Consulting Firm
MoW	Ministry of Works
MWTI	Morogoro Works Training Institute
NCC	National Construction Council
PE	Professional Engineers
RFB	Roads Fund Board
TANROADS	Tanzania National Roads Agency
TBA	Tanzania Building Agency
TCF	Temporary Consulting Firm
TE	Technician Engineers
TEMESA	Tanzania Electrical Mechanical and Electronics Services Agency
TRA	Tanzania Revenue Authority

1.0 INTRODUCTION

Construction Industry Sector Statistics provides a synopsis of Construction and other relevant information within the Ministry of Works and its Institutions. Their effectiveness, appropriateness and adequateness contribute a lot to the development of other socioeconomic 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 data and information, the Ministry of Works publishes on annual basis data and information related to Construction Industry Sector. The objective of this publication is to facilitate close monitoring of the performance of Construction Industry 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, data and information contained in the Ministry's data bank are updated annually using inputs received from different stakeholders including Ministries, Departments, Institutions, Parastatals and the Private Sector. The analysis which includes histograms, charts and graphs to show trends and behaviours (useful for quick visual interpretation of the presented data, which in turn make it easy for planning, decision making and implementation) has been done by the Ministry.
In the year 2013 the document has taken into consideration stakeholders' views on how best to improve the document. Their views include but not limited to concentrating the document to statistics as well as indicators and economic performance related to the Construction Sector.

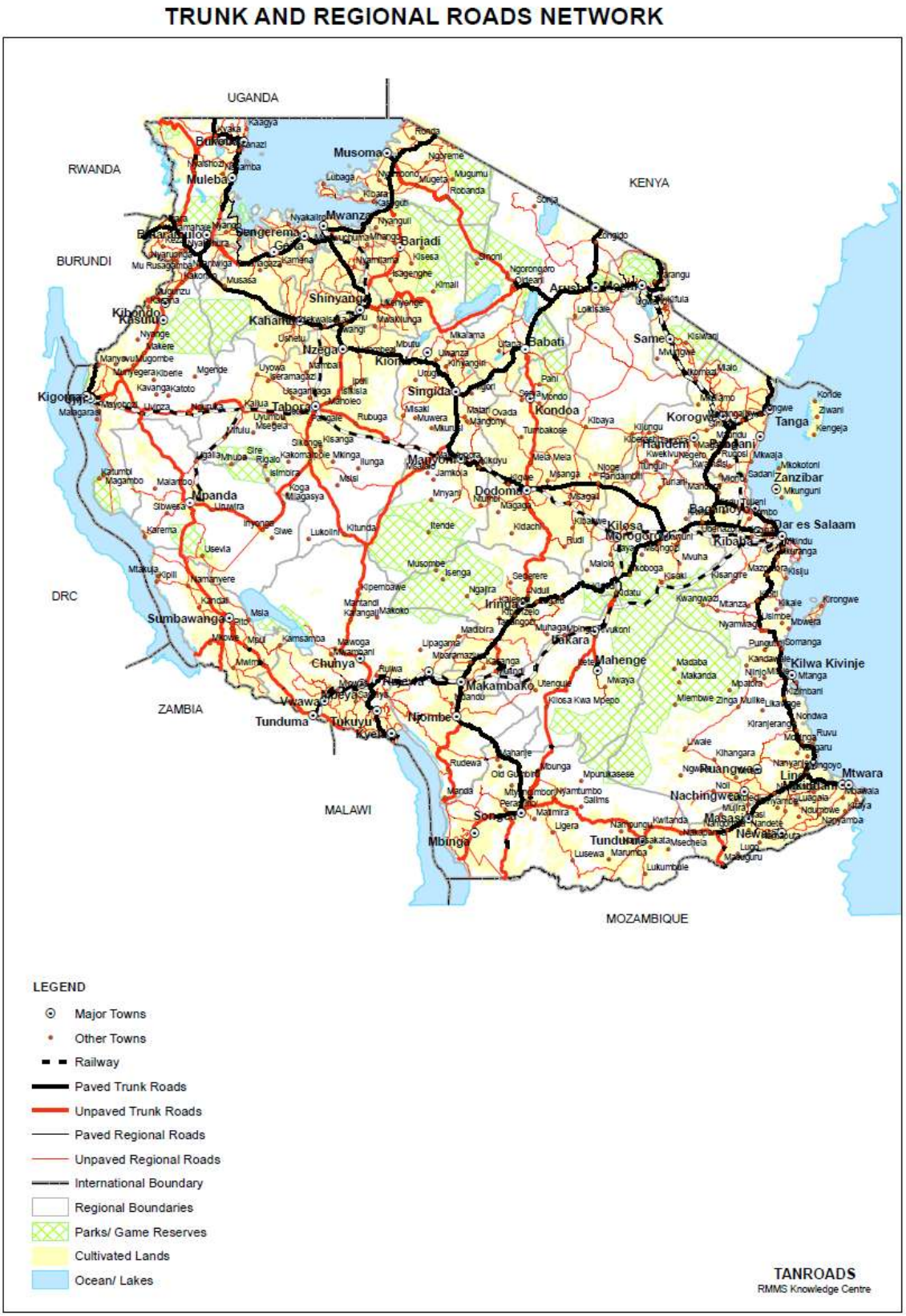
This document is divided into five chapters; chapter one is the introductory part. Chapter two is a brief on basic background data for Tanzania. Chapter three contains Road statistics while chapter four contains statistics from other sector institutions and boards namely CRB, ERB, AQRB, NCC TEMESA and TBA. Chapter five contains Training Institutions' information and data. We understand that this document does not contain all the required data and information for the construction sector. But we have tried our level best to make sure we provide the most important data and information. Therefore, comments and inputs are invited from all stakeholders for the purpose of improving it.

2.0 BASIC BACKGROUND DATA

Table 2.0: Data describing Tanzania

S/N	PARTICULAR	DATA/INFORMATION
1.	Location	East Coast of Africa between latitudes 1^0S and 11^0s and between longitudes 29^0E and 41^0E.
2.	Share border with	Kenya and Uganda to the North, Rwanda, Burundi and Democratic Republic of Congo to the West and Zambia, Malawi 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	Dar es Salaam with an estimated population of 4.36 million.
5.	Number of Regions	25 regions in Tanzania Mainland and 5 regions in Zanzibar
6.	Number of Districts	164in Tanzania Mainland
7.	Arable Land	15.1 million hectors
8.	Cultivated Land per Year	5.1 million hectors
9.	Rainfall	314 – 2418 mm per year (2009)
10.	Population	About 44 million people in 2012.
11.	Other major regions with their population (2012)	Mwanza (2,772,509), Dodoma (2,083,588), Arusha (1,694,310), Tanga (2045,205) and Mbeya (2,707,410).
12.	Average population density of the country	35 inhabitants per square kilometer (inh/km^2)
13.	Extremes of average population density of the country	Dar es Salaam 2,167 inhabitants/km^2 to12 inhihabitants/km^2 in Lindi region.
14.	GDP at constant 2001 Prices	Tshs 13,801,849 millions (2007)
15.	GDP Growth rate	7,0% (2010)
16.	Construction Growth Rate	10.2% (2010)
17.	Mining and Quarrying growth rate	1.2% (2010)
18.	Hotels and Restaurants growth rate	4.4% (2010)
19.	Total Road Network	89,941Km
20.	Railway Network	TRL2,970Km (with 1m gauge)TAZARA975Km(Tz section) with1.067m gauge Total Railway Network 3,945 Km
21.	Major Airport	JNIA, KIA Mwanza and Arusha
22.	Aerodromes Network	There are more than 200 airports in Tanzania including airstrips serving domestic and international traffic. The government manages about 59 of them.
23.	Ports Network	3 Major seaports namely DSM, Mtwara and Tanga ports. Smaller seaport facilities at Kilwa, Lindi, Mafia, Pangani and Bagamoyo. There are also 3 major inland waterways ports at Mwanza, Bukoba, Musoma and Kigoma.
24.	Major Mountains	Mt Kilimanjaro, Mt Meru, and Mt. Rungwe
25.	Major Rivers	River Rufiji, River Wami and River Ruvuma

Figure 1.0: Map of Tanzania



2.1 Contribution of the Sector to GDP

Table 2.1.1: Shares of GDP at Current Prices by Economic Activity (2013)

S/N	SECTOR	CONTRIBUTION (%)
1.	Agriculture, Hunting and Forestry	24.5
2.	Fishing	1.4
3.	Mining and Quarrying	3.3
4.	Manufacturing	8.5
5.	Electricity and Gas	1.8
6.	Water Supply	0.3
7.	**Construction**	**8.3**
8.	Trade and Repairs	12.1
9.	Hotels and Restaurants	2.5
10.	Transport	5.8
11.	Communications	2.4
12.	Financial Intermediation	1.8
13.	Real estate and Business Services	8.4
14.	Public Administration	7.8
15.	Education	1.4
16.	Health	1.7
17.	Other Social and Personal Services	0.6
18.	Less FISIM	-1.2
19.	Add Taxes on Products	8.7
20.	**GDP at Current Market Prices**	**100**

Source: NBS

Table 2.1.2 Annual Growth Rate of GDP by Economic Activity

S/N	SECTOR	Annual Growth Rates (%)				
		2009r	2010p	2011	2012	2013
1.	**Agriculture and Hunting**	3.2	4.2.	3.6	4.3	4.3
2.	Crops	3.4	4.4	3.5	4.7	4.5
3.	Livestock	2.3	3.4	3.9	3.1	3.8
4.	Forestry and Hunting	3.5	4.1	3.5	2.4	3.3
5.	Fishing	2.7	1.5	1.2	2.9	2.2
6.	**Industry and Construction**	**7.0**	**8.2**	**6.9**	**7.8**	**7.5**
7.	Mining and Quarrying	1.2	2.7	2.2	7.8	6.9
8.	Manufacturing	8.0	7.9	7.8	8.2	7.7
9.	Electricity and Gas	8.4	10.2	1.5	6.0	4.4
10.	Water Supply	5.6	6.3	4.0	5.4	4.9
11.	**Construction**	**7.5**	**10.2**	**9.0**	**7.8**	**8.6**
12.	**Services**	7.2	8.2	7.9	8.0	8.2
8.	Trade and Repairs	7.5	8.2	8.1	7.7	8.3
9.	Hotels and Restaurants	4.4	6.1	4.6	4.8	6.3
10.	Transport	6.0	7.0	6.7	7.1	6.2
11.	Communications	21.9	22.1	19.0	20.6	22.8
12.	Financial Intermediation	9.0	10.1	10.7	13.2	12.2
13.	Real estate and Business Services	6.8	7.0	6.5	6.7	6.4
14.	Public Administration	4.4	6.5	6.8	5.8	5.1
15.	Education	7.1	7.3	7.4	6.5	5.9
16.	Health	6.7	6.9	5.4	5.6	5.6
17.	Other Social and Personal Services	3.2	3.5	3.0	3.8	4.2
18.	Less FISIM	8.7	9.1	11.2	12.7	10.9
19.	Add Taxes on Products	5.8	6.7	6.5	7.3	6.1
20.	**GDP growth rate at Constant Prices**	**6.0**	**7.0**	**6.4**	**6.9**	**7.0**

Source: NBS

Table 2.1.3 GDP by Sector at Constant Prices

S/N	SECTOR	2009r	2010p	2011	2012	2013
1	**Agriculture, Hunting and Forestry**	**3,669,646**	**3,824,428**	**3960673**	**4129431**	**4,306,789**
2	Crops	2,790,684	2,913,474	3,015,446	3157172	3,299,244
3	Livestock	577,922	597,572	620,877	640125	664,449
4	Forestry and Hunting	301,039	313,382	324,350	332135	343,095
5	Fishing	232,637	236,126	238,960	245890	251,299
6	**Industry and Construction**	**3,357,703**	**3,633,664**	**3,883,366**	**4184808**	**4,500,597**
7	Mining and Quarrying	391,642	402,331	411,182	443154	473,731
8	Manufacturing	1,499,596	1,618,064	1,744,273	1887303	2,032,179
9	Electricity and Gas	327,344	360,733	366,144	388113	405,190
10	Water Supply	65,824	69,955	72,753	76682	80,439
11	**Construction**	**1,037,297**	**1,182,581**	**1,289,013**	**1389556**	**1,509,058**
12	**Services**	7,594,661	8,214,209	8,860,652	9567176	10,351,802
13	Trade and Repairs	2,254,816	2,439,711	2,637,328	2840402	3,076,155
14	Hotels and Restaurants	358,779	380,664	398,175	417287	443,576
15	Transport	797,691	853,529	910,715	975376	1,035,850
16	Communications	422,577	515,967	614,001	740485	909,316
17	Financial Intermediation	306,339	337,356	373,453	422748	474,324
18	Real estate and Business Services	1,610,647	1,723,392	1,835,413	1958386	2,083,722
19	Public Administration	1,232,313	1,312,414	1,401,658	1482954	1,559,099
20	Education	284,704	305,402	328,002	349322	369,792
21	Health	224,654	240,058	253,021	267190	282,196
22	Other Social and Personal Services	102,141	105,716	108,887	113025	117,772
23	Less FISIM	-190,990	-208,370	231,708	-261135	-289,598
24	Add Taxes on Products	1,057,645	1,128,507	1,201,860	1289596	1,368,261
25	**GDP at Current Market Prices**	**15,721,301**	**16,828,563**	**17,913,803**	**19155765**	**20,489,150**

Source: NBS

3.0 ROAD NETWORK IN TANZANIA

3.1 Classified Road Network

The total classified road network in Tanzania Mainland is estimated to be 89,940.47kmas of December, 2013. The Ministry of Works through TANROADS is managing the National Road Network of about 34,333.38 km comprising 12,203.73Kmof Trunk and 22,129.65Km of Regional Roads. The remaining network of about 55607.09km of Urban, District and Feeder Roads is under the responsibility of the PMO-RALG.

3.1.1 Road Classification

(i) Paved Roads

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

(ii) Unpaved "gravel roads"

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

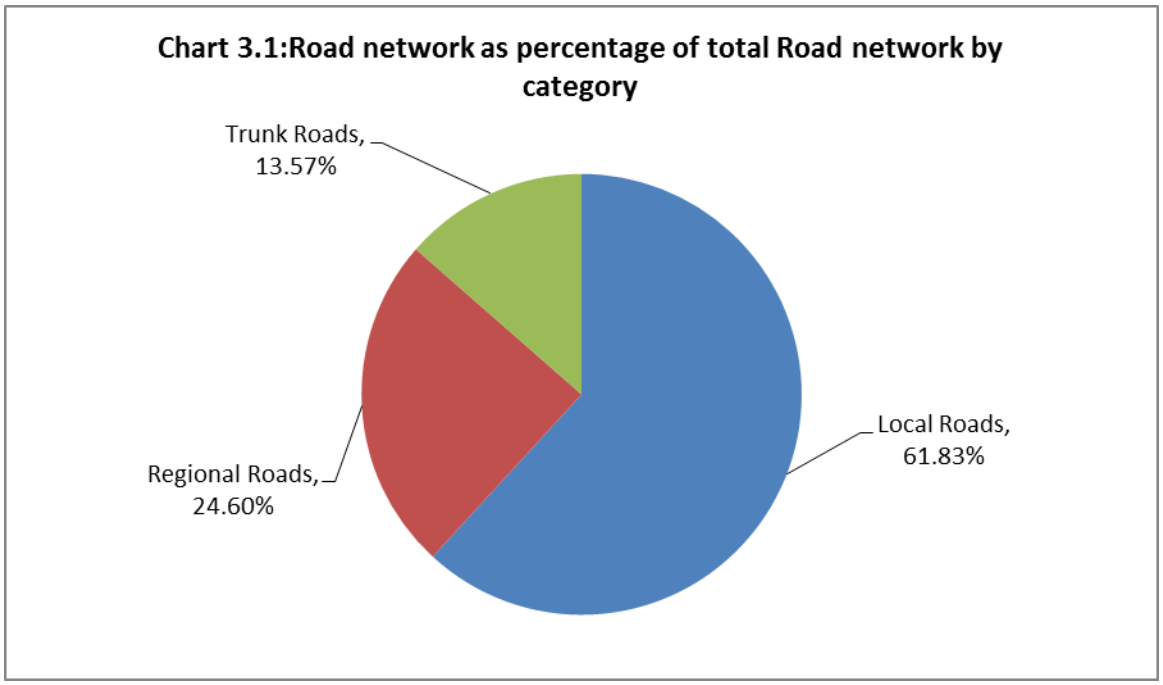
(iii) Unpaved "Earth roads"

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.

Table 3.1: Road Network Length of Tanzania (Km) as of December, 2013

S/N	Road class	Length (KM)	Length (%)
1.	Trunk Roads	12,203.73	13.57
2.	Regional Roads	22,129.65	24.60
3.	Local Roads	55,607.09	61.83
TOTAL		**89,940.47**	**100**

Source: TANROADS



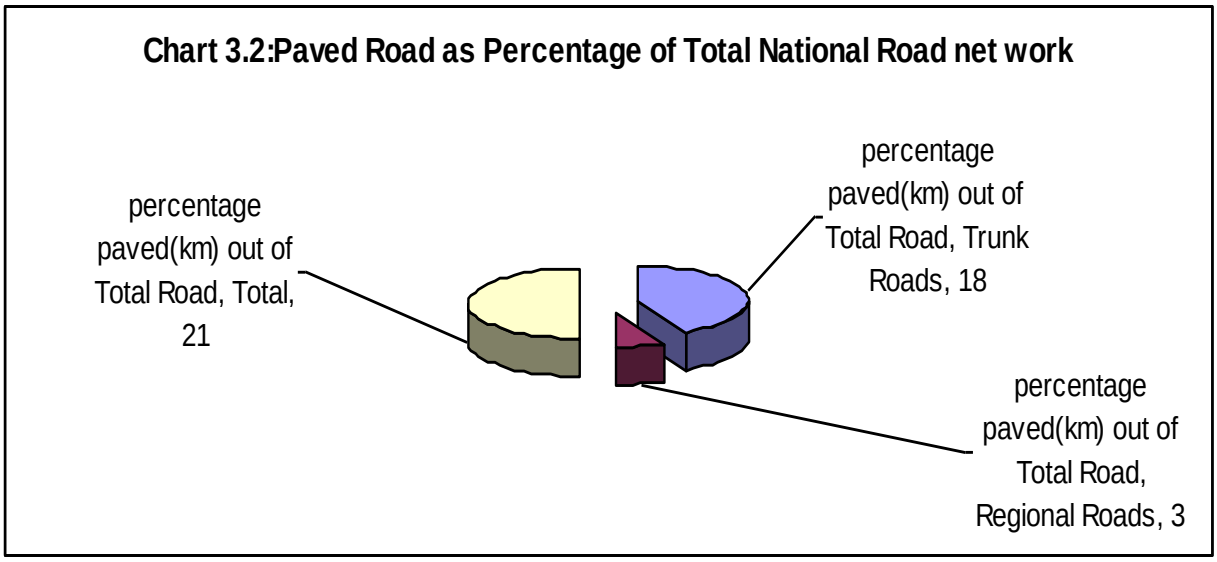
3.2 TANROADS

The Tanzania National Roads Agency (TANROADS) is responsible for the maintenance and development of the Trunk and Regional Roads in Tanzania Mainland.

Table 3.2.1: Trunk and Regional Road Network as of December, 2013

Category	**Paved (Km)**	**Unpaved (Km)**	**Total (Km)**	percentage paved(km) out of Total Road
Trunk Roads	6,291.76	5,911.97	12,203.73	18
Regional Roads	1,082.32	21,047.33	22,129.65	3
Total	**7,374.08**	**26,959.30**	**34,333.38**	**21**

Source: TANROADS



3.2.1 Road Conditions

(i) Good Condition

A road in good condition is one that can be maintained. 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.

(ii) 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.

(iii) Poor condition

For paved roads, poor roads can be termed as those with pavement failure for over 20% 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.

The results of road condition surveys carried out by TANROADS and PMORALG are as shown in the table below;

Table 3.2.2: Condition of Trunk and Regional Roads as of December, 2013

TYPE	Condition						Total KM	
	Good		Fair		Poor		Total	
	Km	%	Km	%	Km	%	Km	%
Trunk Paved	4,976	84%	667	11%	310	5%	5,953	100
Regional Paved	456	54%	196	23%	193	23%	844	100
Trunk Unpaved	1,029	25%	2,673	66%	352	9%	4,054	100
Regional Unpaved	5,152	25%	12,811	62%	2,681	13%	20,644	100
Total	**11,612**	**37%**	**16,346**	**52%**	**3,536**	**11%**	**31,494**	**100**

Source: TANROADS

Note:

1. *The road lengths of 31,494km were surveyed using RMMS Procedure in second quarter.*
2. *The kilometres which were not surveyed were either under construction for upgrading to bitumen standard or were impassable during the exercise.*

Table 3.2.3: Condition of Trunk and Regional Roads (2009 – 2013)

Year	Good		Fair		Poor		Total	
	(km)	(%)	(km)	(%)	(km)	(%)	(km)	(%)
2009	17,310.78	53	11,127.63	34	4,331.64	13	32,770.04	100
2010	19,412.19	58	10,710.17	32	3,346.93	10	33,469.29	100
2011	13,556.4	40	15,589.8	46	4,744.7	14	33,891	100
2011	13,556.4	40	15,589.8	46	4,744.7	14	33,891	100
2012	11,536	37	14,780	48	4,778	15	31,193	100
2013	11,612	37	16,346	52	3,536	11	31,494	100

Source: TANROADS

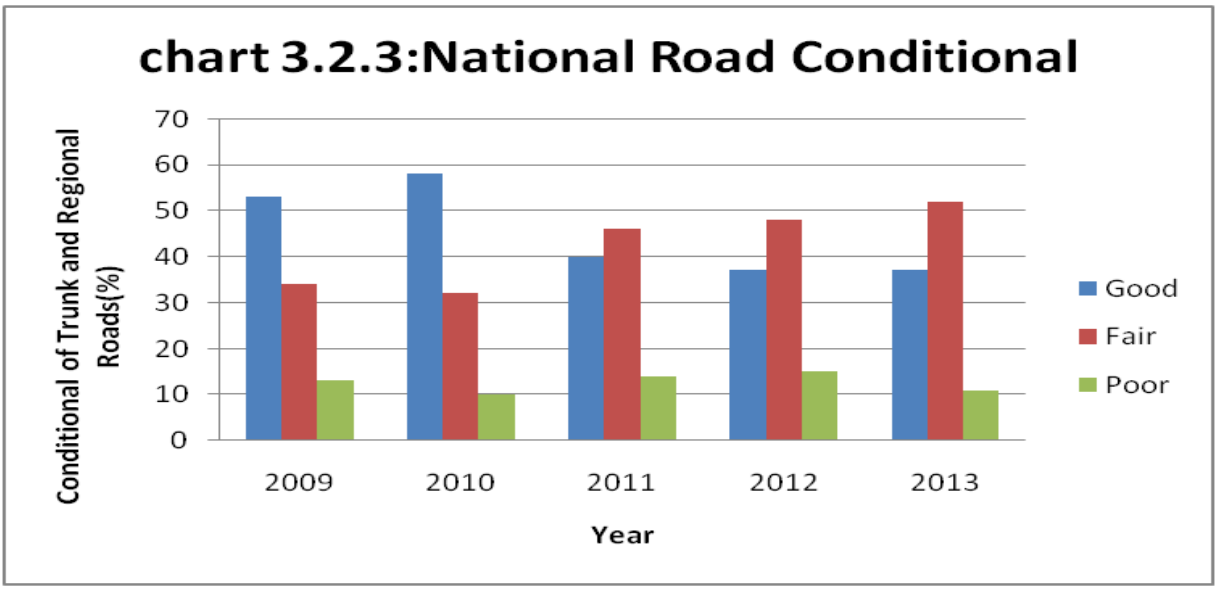


Table 3.2.4: Condition of Local Government Roads as of December, 2013

Road Type	Good		Fair		Poor		Total	
	(km)	(%)	(km)	(%)	(km)	(%)	(km)	(%)
DISTRICT ROADS								
Paved	164.14	1.54	22.35	0.20	15.60	0.20	202.09	0.68
Unpaved	10,470.30	98.46	11,297.26	99.80	7,688.17	99.80	29,455.73	99.32
Sub Total	10,634.44	100.00	11,319.61	100.00	7,703.77	100.00	29,657.82	100
URBAN ROADS								
Paved	464.11	24.10	154.09	6.45	107.44	6.49	725.64	12.15
Unpaved	1,461.50	75.90	2,235.49	93.55	1,548.23	93.51	5,245.22	87.85
Sub Total	1,925.61	100.00	2,389.58	100.00	1,655.67	100.00	5,970.86	100
FEEDER ROADS								
Paved	20.15	0.42	4.79	0.07	13.20	0.16	38.14	0.19
Unpaved	4,792.98	99.58	6,811.74	99.93	8,335.55	99.84	19,940.27	99.81
Sub Total	4,813.13	100.00	6,816.53	100.00	8,348.75	100.00	19,978.41	100
Total	17,373.18	31.24	20,525.72	36.91	17,708.19	31.85	55,607.09	100

Table 3.2.5: Ongoing Road Projects as of December, 2013

S/N	Project Name	Km	Fund Provider	Contract Sum (Tshs. billion)	Status of Work (%)
1	Wazo Hill – Bagamoyo – Msata	64	GoT	89.608	95.5
2	Uyovu – Bwanga	45	GoT	43.356	15.8
3	Bwanga – Biharamulo	67	GoT	53.756	11
4	Malagarasi Bridge	48	GoT	74.854	100
5	Tabora – Ndono	42	GoT	51.346	85
6	Ndono – Urambo	52	GoT	59.764	58.4
7	RomboMkuu – Tarakea	32	Badea	15.783	100
8	Marangu - RomboMkuu	32	NORAD	25.076	100
9	Dumila – Kilosa	45	GoT	41.927	100
10	Sumbawanga – Kasanga Port	112	GoT	133.287	45
11	Kyaka – Bugene	59.1	GoT	64.960	49.5
12	Isaka – Ushirombo	132	GoT	145.330	99.5
13	Ushirombo – Lusahunga	110	GoT	114.500	49.73
14	Tabora – Nyahua	85	GoT	93.401	55.3
15	Manyoni – Itigi – Chaya	89.3	GoT	109.643	60.35
16	Korogwe – Handeni	65	GoT	63.199	100
17	Handeni – Mkata	54	GoT	57.339	100
18	Mwandiga – Manyovu	60	GoT	53.600	100
19	Kawawa Road Roundabout – Msimbazi Valley – Jangwani/Twiga Junction	2.7	GoT	7.639	75
20	Ubungo Bus Terminal – Kigogo – Kawawa Road Roundabout	6.4	GoT	11.440	100
21	Jet Corner – Vituka	10.3	GoT	12.474	100
22	Ndundu – Somanga	60	GoT	58.813	92.66
23	Tanga – Horohoro	60	MCC	69.89	100
24	Nzega – Puge	58	GoT	66.358	37.5
25	Puge – Tabora	56.1	GoT	62.737	65.5
26	Sumbawanga – Kanazi	75	GoT	78.841	47.57
27	Kanazi - Kizi – Kibaoni	76	GoT	82.842	35
28	Sitalike – Mpanda	36	GoT	37.097	39
29	Nyanguge – Musoma	85.5	EU	85.368	92
30	Kisesa Bypass	16	GoT	17.90	25
31	Magole – Turiani	48.6	GoT	41.891	57.3
32	Mwigumbi – Maswa – Bariadi - Lamadi	71.8	GoT	67.409	60.89
33	Mafia Airport	14.3	GoT	13.5	23.66
34	Kagoma – Lusahunga	154	GoT	191.454	100
35	Arusha – Namanga	105	ADB	81.765	100
36	Singida – Kateshi	65.1	GoT	51.626	100
37	Katesh – Dareda	73.8	ADB	64.145	100
38	Dareda – Minjingu	84.6	ADB	84.918	100
39	Widening of Kilwa Road	5.1	GoT	5.48	100
40	Iyovi – Iringa – Mafinga	218	Danida	127.71	100
41	Mbeya – Lwanjilo	36	GoT	55.385	23
42	Lwanjilo – Chunya	36	GoT	40.280	80
43	Chalinze – Segera – Tanga Phase II	124	Norad	67.237	98
44	Iringa – Migori	95.1	ADB	84.216	81
45	Migori – Fufu Escarpment	93.8	ADB	73.612	81
46	Fufu Escarpment – Dodoma	70.9	ADB	64.327	95
47	Dodoma – Mayamaya	43.65	GoT	40.61	49
48	Bonga – Babati and KondoaAcess	19.2	GoT	19.688	100
49	Namtumbo - Kilimasera	60.7	ADB/ JICA	53.230	0
50	Kilimasera - Matemanga	68.2	ADB/ JICA	64.017	0

51	Matemanga – Tunduru	58.7	ADB/ JICA	63.409	0
52	Kidahwe – Uvinza – Ilunde	76.6	GoT	78.241	100
53	Arusha – Minjingu	98	IDA	75.51	86
54	Masasi – Mangaka Phase II	17.6	JICA	56.00	100
55	Masasi – Mangaka Phase III	22.5	JICA	21.600	100
56	Kilwa Road Phase II	5.1	JICA	15.780	100
57	Widening Bagamoyo Road	64	JICA	88.000	24.4
58	Chalinze – Segera – Tanga Phase I	125	DANIDA	42.647	100
59	Widening Kilwa Road Phase III	1.5	JICA	5.480	100
60	Package 2: Ubungo Terminal, Feeder Station and Up Country Bus Station	-	IDA	14.674	0
61	Package 3:Jangwani Depot	-	IDA	12.800	75
62	Package 4: Kivukoni Terminal and Feeder Station	-	IDA	5.011	90
63	Package 5: Kariakoo Terminal and Feeder Stations	-	IDA	6.348	Mobilization
64	Package 6: Feeder Stations	-	IDA	4.413	45
65	Package 7:Relocation of Power Utilities	-	IDA	5.599	100
66	Nelson Mandela	16	EU	41.209	100
67	BRT Package I: Roads	20.9	IDA	241.000	27
68	Tunduma – Ikana	63.7	MCC	69.894	100
69	Ikana – Laela	64.2	MCC	76.076	100
70	Laela – Sumbawanga	95.31	MCC	130.038	49.56
71	Songea – Namtumbo	71.4	MCC	62.25	100
72	PeramihoJct - Mbinga	78	MCC	79.803	100
73	Dodoma – Manyoni	125	GoT	86.229	100
74	Kilwa Road Phase II	5.1	Japan	15.78	100
75	Buzirayombo – Geita	100	GoT	41.14	100
76	Kigoma – Kidahwe	35	GoT	32.54	100
77	Mkumbara – Same	96	IDA	65.13	35
78	Mbwemkuru – Mingoyo	95	GoT	51.49	100
79	Nangurukuru – Mbwemkuru	95	GoT	39.24	100
80	Makutano - Natta	85.5	GoT	48.14	Mobilization
81	Kilombero Bridge	9.14	GoT	53.24	9.48
82	Sengerema – Usagara	45	GoT	35.79	100
83	Manyoni – Isuna	54	GoT	30.24	100
84	Sibiti Bridge	-	GoT	16.30	22
85	Mbutu Bridge	3.0	GoT	10.50	96
86	Korogwe - Mkumbara	76	GoT	62.87	80.5
87	Kyamiorwa – Buzirayombo	120	GoT	49.13	100
88	Unity Bridge	-	GoT	24.68	100
89	Chalinze Bypass	10.0	GoT	6.45	20
Total				**4,735.191**	

Source: TANROADS

Table 3.2.7:Distribution of Trunk and Regional Roads by Surface Type as of December, 2013

SN	Region	Trunk Roads (Km)			Regional Roads (Km)			Other Roads (Km)			Grand Total – Km
		Paved(Km)	Unpaved(Km)	Total(Km)	Paved(Km)	Unpaved(Km)	Total(Km)	Paved(Km)	Unpaved(Km)	Total(Km)	
1	Arusha	327.50	220.30	547.80	29.13	734.73	763.86	0.00	0.00	0.00	1,311.66
2	Coast	483.74	17.78	501.52	17.71	865.94	883.65	0.00	0.00	0.00	1,385.17
3	dares Salaam	120.28	0.00	120.28	177.71	221.17	398.88	22.44	59.37	81.81	600.97
4	Dodoma	237.58	317.03	554.61	16.36	1,124.34	1,140.70	0.00	0.00	0.00	1,695.31
5	Geita	212.45	25.37	237.82	109.98	481.08	591.06	0.00	0.00	0.00	828.88
6	Iringa	286.77	173.86	460.63	20.36	711.74	732.10	0.00	0.00	0.00	1,192.73
7	Kagera	497.34	364.39	861.73	75.34	977.46	1,052.80	0.00	0.00	0.00	1,914.53
8	Katavi	1.90	472.40	474.30	0.00	627.16	627.16	0.00	0.00	0.00	1,101.46
9	Kigoma	166.22	491.40	657.62	0.00	547.77	547.77	0.00	0.00	0.00	1,205.38
10	Kilimanjaro	295.09	0.00	295.09	144.43	549.19	693.62	0.00	0.00	0.00	988.71
11	Lindi	333.72	14.40	348.12	40.45	904.71	945.16	0.00	0.00	0.00	1,293.28
12	Manyara	191.76	17.78	209.54	13.13	1,438.58	1,451.71	0.00	0.00	0.00	1,661.25
13	Mara	170.71	241.56	412.27	32.14	833.08	865.22	0.00	0.00	0.00	1,277.49
14	Mbeya	430.70	381.56	812.26	28.75	1,414.62	1,443.37	0.00	0.00	0.00	2,255.63
15	Morogoro	446.11	398.05	844.16	51.07	996.26	1,047.33	0.00	0.00	0.00	1,891.49
16	Mtwara	171.26	112.74	284.00	52.40	719.32	771.72	0.00	0.00	0.00	1,055.72
17	Mwanza	231.04	18.04	249.08	19.93	682.48	702.40	0.00	0.00	0.00	951.49
18	Njombe	193.87	209.92	403.79	14.50	704.97	719.47	0.00	0.00	0.00	1,123.26
19	Rukwa	58.46	354.04	412.50	5.50	791.79	797.29	0.00	0.00	0.00	1,209.79
20	Ruvuma	332.46	592.61	925.07	12.90	1,203.11	1,216.01	0.00	0.00	0.00	2,141.08
21	Shinyanga	209.21	69.13	278.34	14.37	680.86	695.23	0.00	0.00	0.00	973.58
22	Simiyu	72.84	272.57	345.40	0.00	500.18	500.18	0.00	0.00	0.00	845.58
23	Singida	339.99	334.23	674.22	27.57	986.94	1,014.51	0.00	0.00	0.00	1,688.73
24	Tabora	153.08	812.82	965.89	11.01	966.32	977.33	0.00	0.00	0.00	1,943.22
25	Tanga	327.68	0.00	327.68	145.14	1,324.17	1,469.31	0.00	0.00	0.00	1,802.49
Total		**6,291.76**	**5,911.97**	**12,203.73**	**1,059.88**	**20,987.96**	**22,047.84**	**22.44**	**59.37**	**81.81**	**34,333.38**

3.3 Local Government Roads

The management of Local Government Roads District, Urban and Feeder is under the authority of PMO-RALG. The Local Roads are managed by the 164 Local Government Authorities of Tanzania Mainland (City, Municipality, Town and District Councils) acting as roads authorities. The Councils carry out planning, prioritization, project design, tendering and supervision of maintenance and development works implemented by contractors. The Councils also supports the villages/communities in maintaining and improving the Community Roads (defined as one road class in the Roads Act 2007).

The Prime Minister's Office Regional Administration and Local Government (PMO-RALG) 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 road activities in the councils and to provide/coordinate capacity building and advisory support for the councils. PMO-RALG is assisted by the Regional Administrative Secretariats for coordination, monitoring and advisory support.

The distribution of District, Urban and Feeder Roads is as shown in the table below.

Table 3.3.1: District, Urban and Feeder Roads Network as of December, 2013

Category	Paved (Km)	Unpaved (Km)	Total (Km)
District Roads	**202.19**	**29,455.73**	**29,657.92**
Urban Roads	**725.63**	**5,245.21**	**5,970.84**
Feeder	**38.10**	**19,940.23**	**19,978.33**
Total	**965.92**	**54,641.17**	**55,607.09**

Source: PMORALG

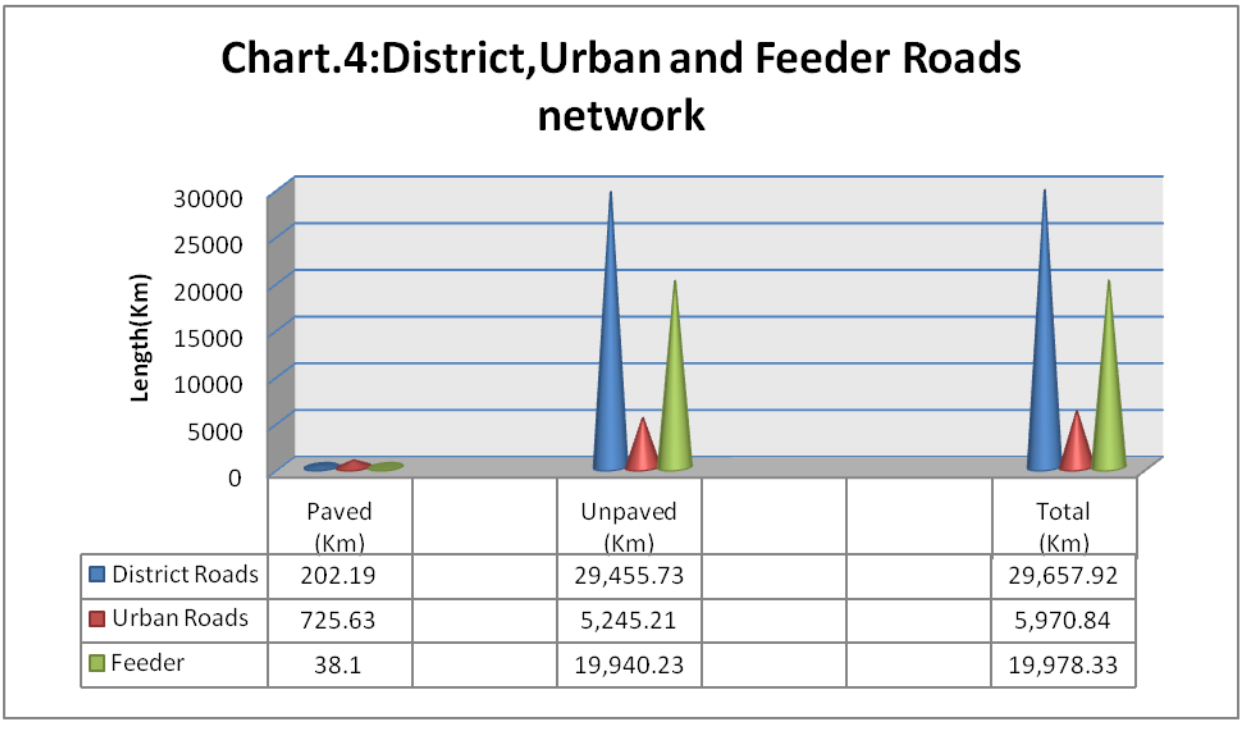
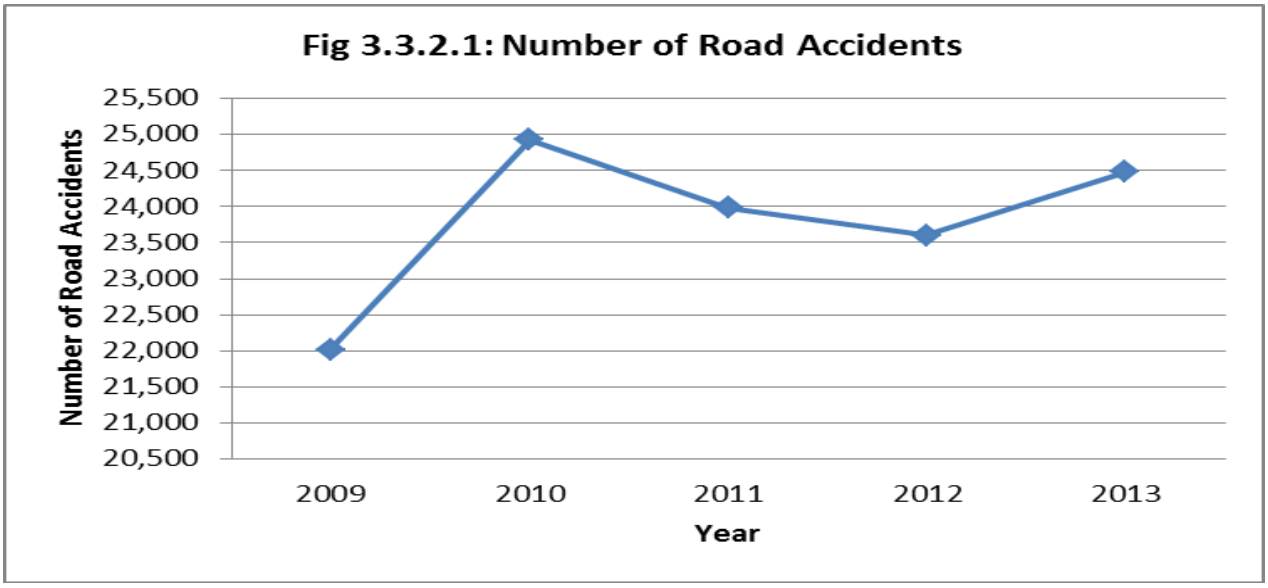


Table 3.3.2: Road Accidents as of December, 2013

Year	2009	2010	2011	2012	2013
Number of Road Accidents	22,019	24,926	23,986	23,604	24,480
Number of Deaths	3,687	3,687	3,981	4,062	3,545
Number of Casualties	20,717	20,064	20,802	20,037	215,336

Source: Ministry of Home Affairs



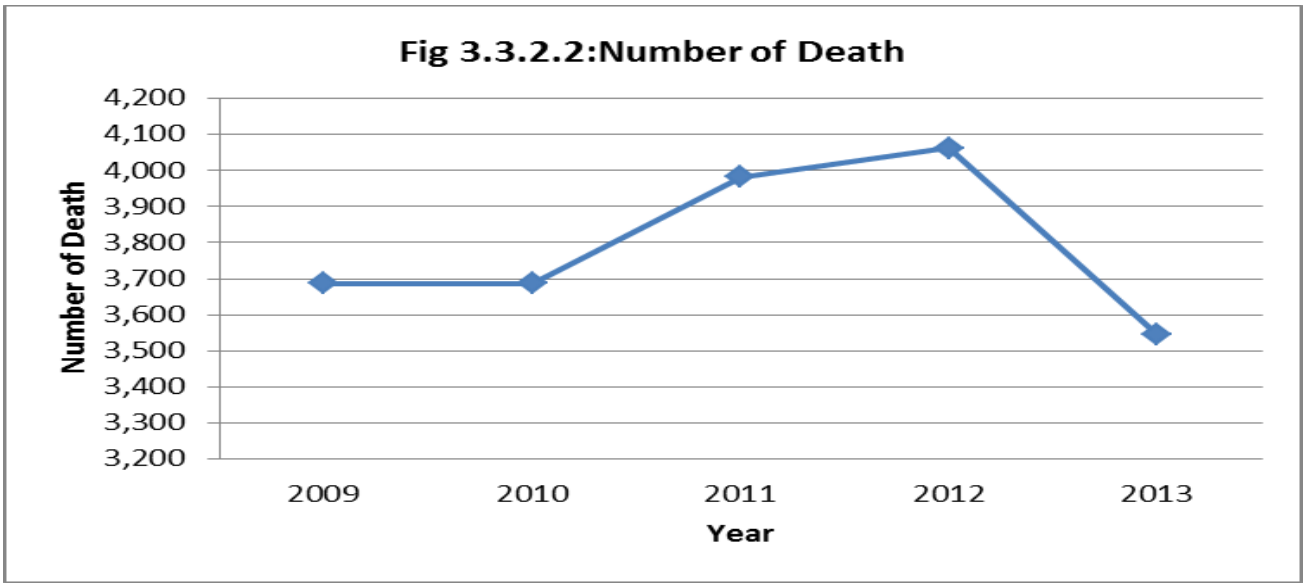


Fig 3.3.2.2:Number of Death
4,200
4,100
4,000
3,900
3,800
3,700
3,600
3,500
3,400
3,300
3,200
Number of Death
2009
2010
2011
2012
2013
Year

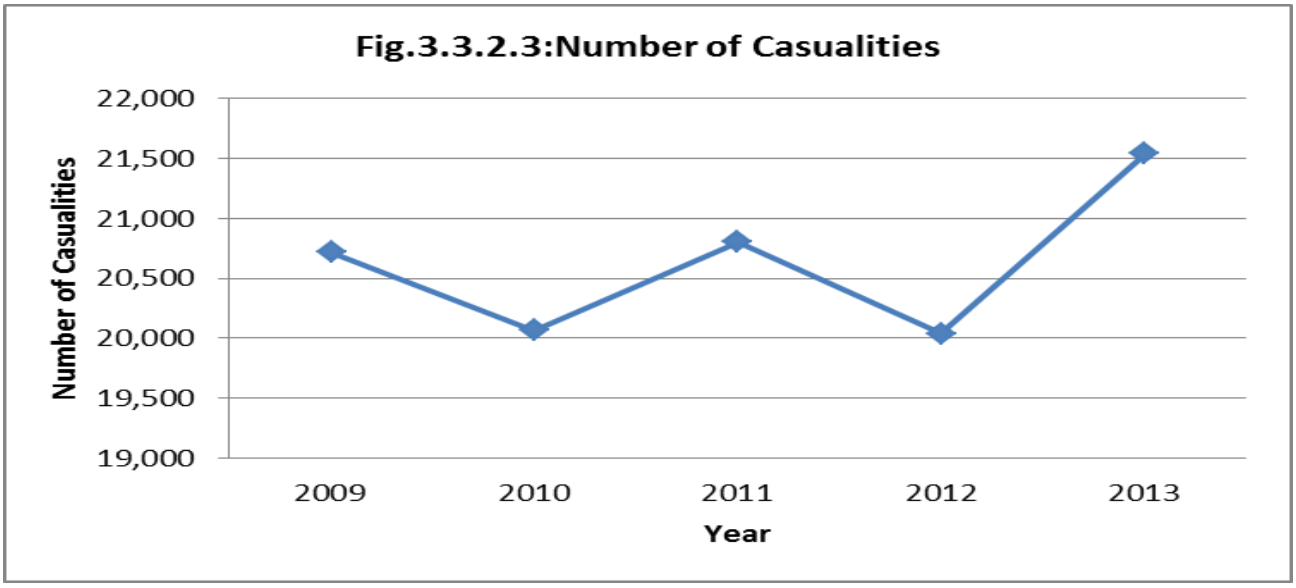


Fig.3.3.2.3:Number of Casualities
22,000
21,500
21,000
20,500
20,000
19,500
19,000
Number of Casualities
2009
2010
2011
2012
2013
Year

4.0 OTHER CONSTRUCTION INSTITUTIONS

Other institutions whose data have beencollected and analyzedinclude professional regulatory bodies i.e. Contractors Registration Board (CRB), Engineers Registration Board (ERB), Architect and Quantity Surveyors Registration Board (AQRB), National Construction Council (NCC), Tanzania Building Agency (TBA), and Tanzania Electrical, Mechanical and Electronics Services Agency (TEMESA). The respective Summary data of these institutions have been given below:-

4.1 Roads Fund Board

Roads Fund Board is disbursing funds which are used in maintenance activities related to road works for both National Roads and Local Government Roads.

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.

4.1.1 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 mean 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 regravelling, 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 tem 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 as shown in the tables below.

Table 4.1.1: Trend Level of Maintenance Coverage of Routine Maintenance Needs as of December, 2013

Financial Year	2009/10	2010/11	2011/12	2012/13	2013/14
Routine Maintenance Needs (Tshs. Billion)	73.0	80.5	51.064	76	137.16
Routine Maintenance Budget (Tshs. Billion)	51.0	51.7	39.060	51	80.94
% Coverage	69.8	64.2	79.50	67.1	59

Source: RFB

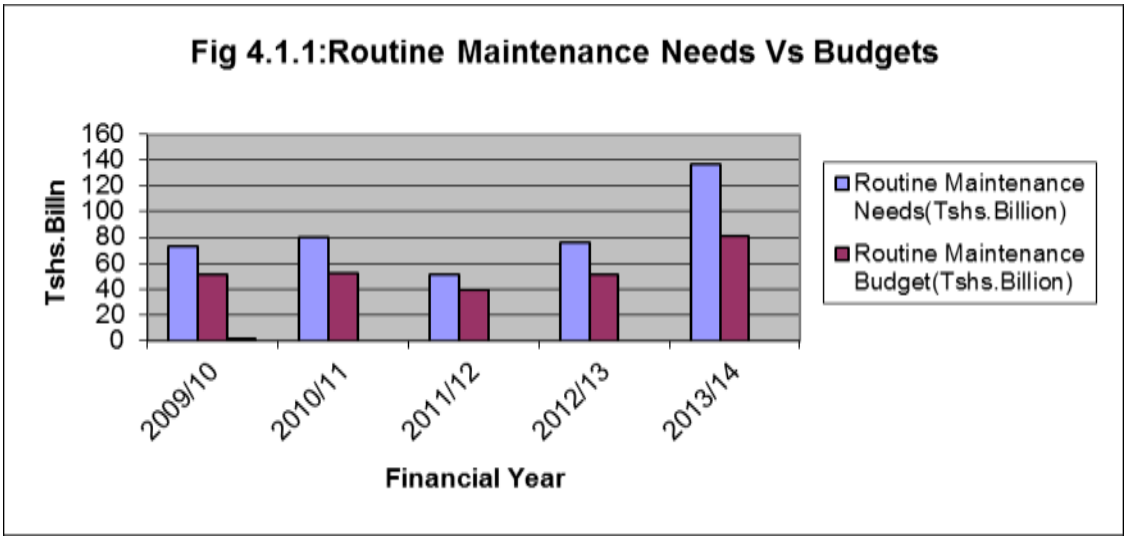
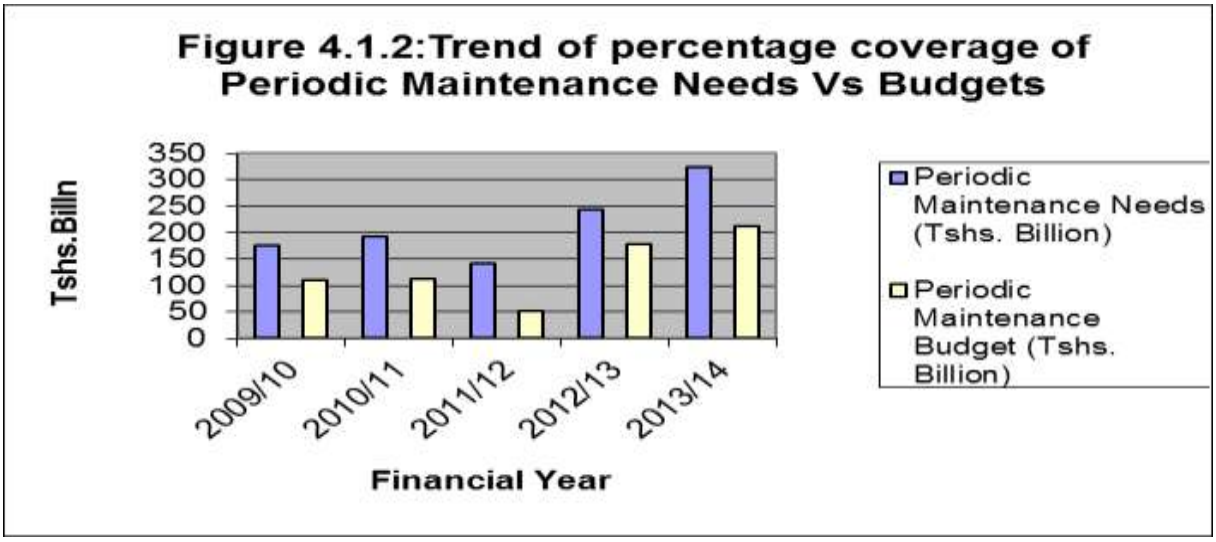


Table 4.1.2: Trend of Percentage Coverage of Periodic Maintenance Needs

Financial Year	2009/10	2010/11	2011/12	2012/13	2013/14
Periodic Maintenance Needs (Tshs. Billion)	174.8	192.3	142.78	243.23	324.14
Periodic Maintenance Budget (Tshs. Billion)	111.2	111.4	51.96	179.1	212.42
% Coverage	64	57.9	36.39	74	66

Source: RF



4.2Contractors Registration Board (CRB)

Table 4.2.1: Classification of Registered Contractors as at December 2013

Type	I			II	III	IV	V	VI	VII	Total
	Local	Foreign	Total	14	38	151	500	877	1132	2765
Civil Works	24	29	53							
Buildings	63	36	99	31	50	167	557	522	1471	2897
Electrical	21	15	36	6	6	41	129	62	286	566
Mechanical	6	9	15	2	5	11	20	30	40	123
Specialists Civil	16	21	37	25	170	-	-	-	-	232
Specialist Building	10	3	13	5	9	-	-	-	-	27
Specialist Electrical	32	12	44	57	98	-		-	-	199
Specialist Mechanical	44	33	77	43	130	-	-	-	-	250

Source: CRB

Table 4.2.2: Registered Contractors by type-Annually

Years/Type	Buildings	Civil Works	Electrical	Mechanical	Specialists	Temporary Contractors
2009	344	390	51	12	49	49
2010	365	343	40	7	23	23
2011	348	339	55	15	41	41
2012	369	333	68	19	74	40
2013	313	319	60	9	103	67

Source: CRB

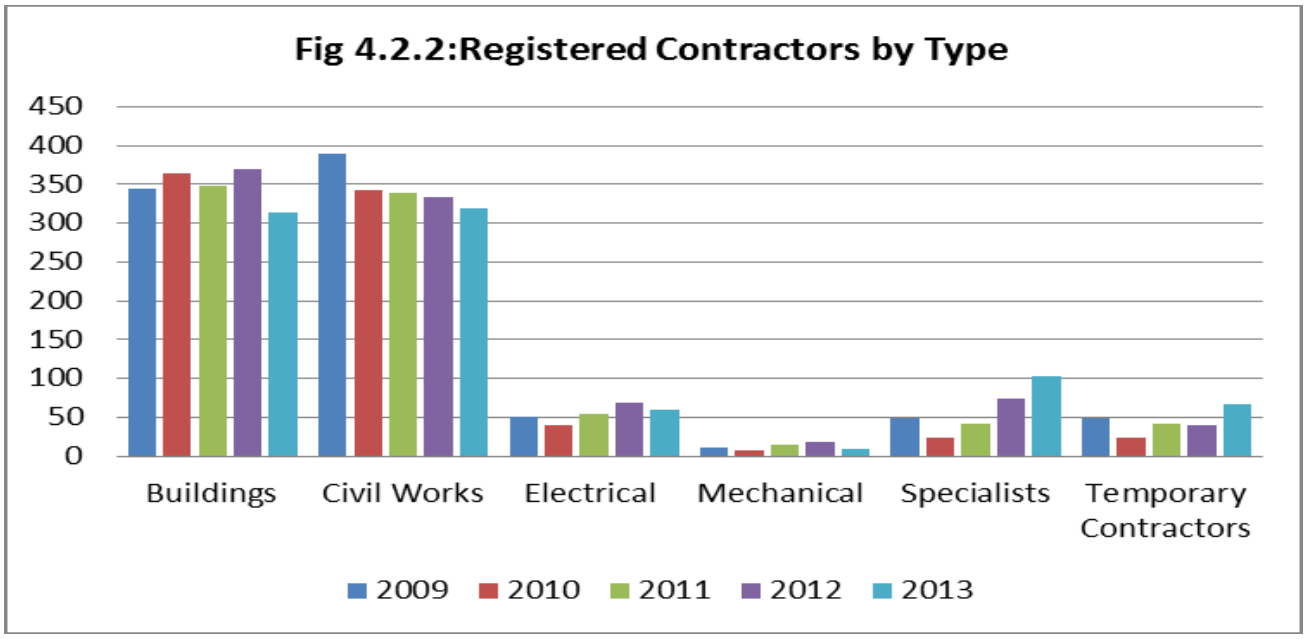


Table 4.2.3: Registered Building Contractors by Class-Cumulative

Class	2009	2010	2011	2012	2013
I	78	88	93	91	104
II	30	34	39	35	36
III	40	48	52	47	54
IV	130	159	178	148	177
V	368	430	505	516	570
VI	370	435	510	482	528
VII	1744	1931	2,096	1608	1477
Total	**2,760**	**3125**	**3,473**	**2692**	**2946**

Source: CRB

Table 4.2.4: Number of Building Contractors Registered in each Year

Class	2009	2010	2011	2012	2013
One	8	10	5	14	11
Two	8	4	5	8	3
Three	15	8	4	5	8
Four	28	29	19	39	27
Five	66	62	75	82	81
Six	52	65	75	91	87
Seven	275	187	165	137	96
Total	**400**	**365**	**348**	**369**	**313**

Source: CRB

Table 4.2.5: Civil Contractors by Class – cumulative

Class	2009	2010	2011	2012	2013
I	47	50	54	49	64
II	16	16	19	16	15
III	25	37	40	38	38
IV	79	97	114	129	157
V	334	351	428	431	498
VI	572	584	704	755	867
VII	572	584	69	1274	1139
Total	**3654**	**3729**	**2,058**	**2927**	**2778**

Source: CRB

4.3 Engineers Registration Board (ERB)

Table.4.3.1 Engineering consulting firms registration by category

CATEGORY	2009	2010	2011	2012	2013
Local firm	9	5	4	17	10
Foreign Firm	9	2	2	3	03
Total	**18**	**7**	**6**	**20**	**13**

Source: ERB

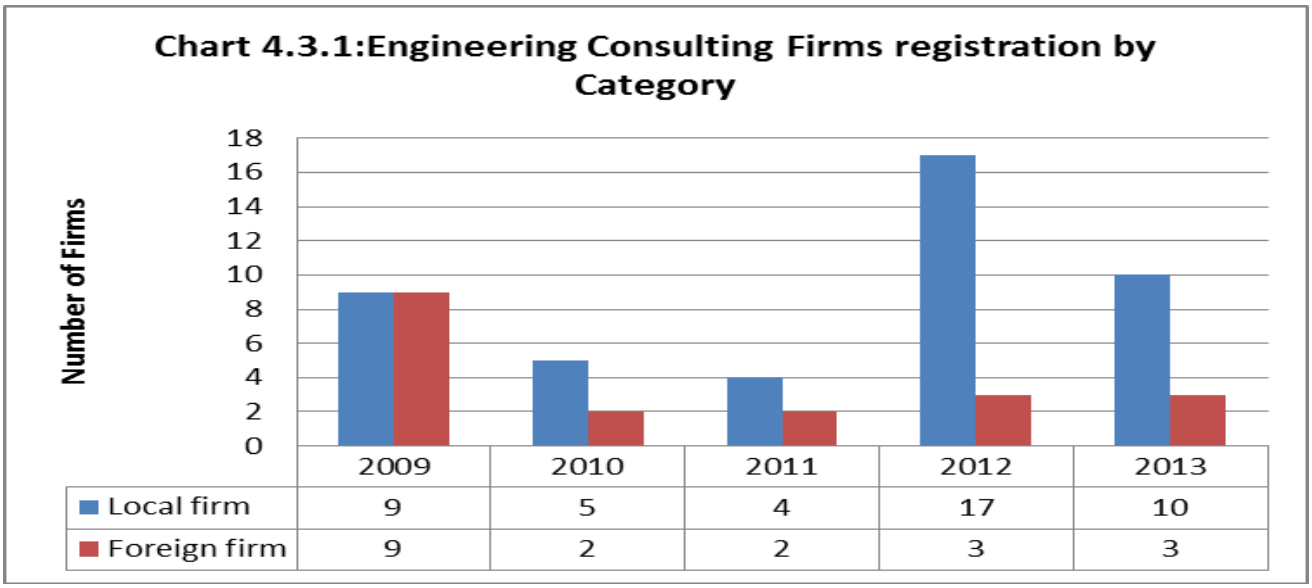


Table: 4.3.2: Registration of Engineers by Discipline as of December 2013

Discipline	Category							Total	%
	Graduate Incorporated Engineers	Graduate Engineers	Incorporated Engineers	Professional Engineers	Temporary Professional Engineers	Consulting Engineers	Temporary Consulting Engineers		
Civil	221	2,485	145	2,003	860	225	77	**6016**	***46%***
Mechanical	133	880	67	620	87	33	5	**1,825**	***14%***
Electrical	141	1167	137	578	71	32	5	**2131**	***16%***
Electronics & Telecommunications	166	491	36	100	33	8	-	**834**	***6%***
Environmental	27	385	22	123	5	6	2	**570**	***4.3%***
Mining/Mineral Processing	-	311	2	99	47	3	1	**463**	***3.5%***
Aeronautical	-	2	-	6	-	-	-	**8**	***0.1%***
Agricultural/ Irrigation	2	196	-	57	5	3	1	**264**	***2.0%***
Chemical & Process	1	384	2	97	13	3	-	**500**	***3.8%***
Marine	12	5	4	23	2	-	-	**46**	***0.4%***
Computer & IT	-	305	-	21	-	-	-	**326**	***2.5%***
Textile	-	2	-	2	1	-	-	**5**	***0.04%***
Geotechnical	-	18	-	7	8	3	1	**37**	***0.3%***
Food and Biochemical	-	27	-	-	-	-	-	**27**	***0.2%***
Electromechanical	-	82	-	10	2	2	-	**96**	***0.7%***
TOTAL	**703**	**6,740**	**415**	**3,746**	**1,134**	**318**	**92**	**13,148**	***100%***

Source: ERB

Table: 4.3.3: Registered Engineering Consulting Firms as of December 2009-2013

Category 1. Local

SN	CATEGORY	Number of registered firms each year					Total
		2009	2010	2011	2012	2013	
1	Civil/Structural	**8**	**4**	**8**	**11**	**6**	**37**
2	Electrical	**1**	**-**	**3**	**3**	**2**	**09**
3	Mechanical	**-**	**1**	**1**	**1**	**-**	**03**
4	Water Resources	-	-	-	**1**	**1**	**02**
5	Electronics/Telecomms	-	-	-	**4**	**-**	**04**
6	Mining	-	-	-		-	**00**
7	ICT	-	-	-	**1**	-	**01**
8	Environmental	-	-	-	**3**	**1**	**04**
	Total	**9**	**5**	**12**	**24**	**10**	**60**

Source: ERB

Category 2. Foreign

SN	CATEGORY	Number of registered firms each year					Total
		2009	2010	2011	2012	2013	
1	Civil/Structural	5	2	11	3	**1**	**23**
2	Electrical	1	-	2	-	**-**	**03**
3	Mechanical	-	-	-	-	**-**	**0**
4	Water Resources	2	-	-	-	**1**	**03**
5	Electronics/Telecomms	-	-	-	-	**-**	**0**
6	Mining	1	-	-	-	**1**	**02**
7	ICT	-	-	-	-	**-**	**0**
8	Environmental	-	-	-	-	**-**	**0**
	Total	9	2	13	3	**3**	**30**

Source: ERB

Category 3. Total

SN	CATEGORY	Number of registered firms each year					Total
		2009	2010	2011	2012	2013	
1	Civil/Structural	13	6	19	14	**7**	**59**
2	Electrical	2	-	5	3	**2**	**12**
3	Mechanical	-	1	1	1	**-**	**03**
4	Water Resources	2	-	-	1	**2**	**05**
5	Electronics/Telecomms	-	-	-	1	**-**	**01**
6	Mining	1	-	-	-	**1**	**02**
7	ICT	-	-	-	-	**-**	**0**
8	Environmental	-	-	-	-	**1**	**01**
	Total	**18**	**7**	**25**	**20**	**13**	**83**

Source: ERB

4.4 Architects and Quantity Surveyors Registration Board (AQRB)

Table 4.4.1: Registered Architects, Quantity Surveyors, Building Surveyors and Practicing Firms– Cumulatively as on 31st December 2013

Year	Architects			Quantity surveyors			Building surveyors			Landscape Architects			Architectural firms			Quantity surveying firms		
	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total
2009	252	31	**283**	163	7	**170**	-	-	-				152	8	**160**	65	1	**66**
2010	284	34	**318**	182	6	**188**	-	-	-				162	9	**171**	71	1	**72**
2011	301	35	**336**	201	6	**207**	-	-	-				171	9	**180**	77	1	**78**
2012	295	40	**335**	206	6	**212**	1	-	1				169	11	**180**	91	1	**92**
2013	329	29	**358**	245	6	**251**	1	-	1	1	-	**1**	184	10	**194**	**95**	**1**	**96**

Source: AQRB

Table 4.4.2: Registered Architects, Interior Designers, Quantity Surveyors, Building Surveyors, Construction Managers, and Architectural Technician/Draftsmen

Year	Architects	Interior designers	Quantity Surveyors	Building Surveyors	Construction Managers	Architectural Technician	Architectural Draftsmen
2009	50	-	53	-	-	9	7
2010	57	-	53	-	-	11	7
2011	67	-	65	-	-	12	7
2012	97	2	95	1	1	16	10
2013	61	3	81	4	5	17	11

Source: AQRB

Note:
The number of Graduates in Architecture and Quantity Surveying has decreased following elevation of 92 candidates from graduate to full professional levels.

4.5 National Construction Council (NCC)

Table 4.5.1: Labour/Material Indices

BASE DATE	Labour Unskilled	Cement	Reinfor-cement	Aggregate	'Z' Purlin	Corrugated Iron sheets	Soft Wood	Hard wood	Emulsion Paint	Galvanised Steel pipes	Fuel Diesel
JAN	1989	1989	1989	1989	1989	1989	1989	1989	1989	1989	1989
2009Jan	6879.40	3748.11	1260.10	1766.89	3298.82	353.74	2352.11	2851.23	469.49	2629.23	6217.78
Feb	6879.40	3748.11	1260.10	1766.89	3298.82	353.74	2352.11	2851.23	469.49	2629.23	5933.33
Mar	6879.40	3748.11	969.31	1766.89	3298.82	353.74	2352.11	2851.23	469.49	2629.23	5600.00
Apr	6879.40	3748.11	969.31	1766.89	3298.82	353.74	2352.11	2851.23	469.49	2629.23	5600.00
May	6879.40	3748.11	969.31	1766.89	3298.82	353.74	2352.11	2851.23	469.49	2629.23	5777.78
June	6879.40	3748.11	969.31	1766.89	3298.82	353.74	2352.11	2851.23	469.49	2629.23	5777.78
July	6879.40	*3193.82*	969.31	6879.40	6879.40	353.74	2352.11	2851.23	469.49	2629.23	6000.00
August	6879.40	*3193.82*	1017.77	6879.40	6879.40	285.43	2352.11	2874.38	469.49	2629.23	6222.22
Sept	6879.40	*3193.82* .	1017,77	6879.40	6879.40	297.88	2352.11	2874.38	461.66	2629.23	6353.33
October	6879.40	*3193.82*	1017.77	6879.40	6879.40	297.88	2352.11	2874.38	461.66	2629.23	6353.33
Nov	6879.40	*3193.82*	1017.77	1766.89	1501.39	297.88	2352.11	2874.38	461.66	2629.23	6388.89
December	6879.40	*3193.82*	1017.77	1766.89	1501.39	297.88	2352.11	2874.38	461.66	2629.23	6388.89
2010 Jan	6879.40	*3193.82*	1017.77	1766.89	1501.39 .	297.88	2223.34	2980.84	461.66	2629.23	6600.00
Feb	6879.40	*3193.82*	1017.77	1766.89	1501.39	297.88	2223.34	2980.84	461.66	2629.23	6600.00
Mar	6879.40	*3193.82*	1017.77	1766.89	1501.39	297.88	2223.34	2980.84	461.66	2629.23	6977.78
Apr	6879.40	*3193.82*	1017,77	1766.89	1501.39	297.88	2223.34	2980.84	461.66	2629.23	7333.33
May	6879.40	*3193.82*	1017.77	1766.89	1501.39	297.88	2223.34	2980.84	461.66	2629.23	7555.56
June	6879.40	*3193.82*	1017.77	1766.89	1501.39	297.88	2223,34	2980.84	461.66	2629.23	7333.33
July	9287.19	*3193.82*	1114.70	1766.89	1997.68	285.47	2223.34	2980.84	461.66	2132.18	7520.00
August	9287.19	*3193.82*	1114.70	1766.88	1997.68	285.47	2223.34	2980.84	461.66	2132.18	7555.56

Sept	9287.19	*3193.82*	1114.70	1766.68	1997.68	285.47	2223.34	2980.84	461.66	2132.18	7555.56
October	9287.19	*3193.82*	1211.63	2061.37	1997.68	223.41	2223.34	2980.84	461.66	2132.18	7777.78
Nov	9287.19	*3193.82*	1211.63	2061.37	1997.68	223.41	2223.34	2980.84	461.66	2132.18	7777.78
December	9287.19	*3193.82*	1211.63	2061.37	1997.68	223.41	2223.84	2980.84	461.66	2132.18	7777.78
2011Jan	9287.19	*3327.47*	1260.10	2061.37	1997.68	297.89	2223.34	2980.84	560.59	2132.18	8000.00
Feb	9287.19	*3327.47*	1405.49	2061.37	1997.68	297.89	2223.34	2980.84	560.59	2132.18	8222.22
Mar	9287.19	*3389.80*	1550.89	2061.37	1997.68	297.89	2223.34	2980.84	560.59	2132.18	8666.67
Apr	9287.19	*3389.80*	1550.89	2061.37	1997.68	297.89	2223.34	2980.84	560.59	2132.18	8977.78
May	9287.19	*3389.80*	1550.89	1766.89	2072.39	297.89	2161.27	3149.32	560.59	2303.97	9111.11
June	9287.19	*3389.80*	1550.89	1766.89	2072.39	297.89	2161.27	3149.32	560.59	2303.97	9244.44
July	9287.19	*3467.63*	1550.89	1766.89	2072.39	310.28	2161.27	3149.32	560.59	2303.97	8933.33
August	9287.19	*3467.63*	1550.89	1766.89	2072.39	310.28	2161.27	3149.32	633.14	2430.00	8933.33
September	9287.19	*3467.63*	1550.89	1766.89	2072.39	310.28	2161.27	3149.32	633.14	2430.00	8884.44
October	9287.19	*3467.63*	1550.89	1766.89	2072.39	310.28	2161.27	3324.28	633.14	2430.00	8800.00
November	9287.19	*3607.79*	1599.35	1766.89	2072.39	310.28	2779.17	3324.28	685.90	2430.00	9040.00
December	9287.19	*3607.79*	1599.35	1766.89	2072.39	310.28	2779.17	3499.25	685.90	2430.00	8782.22
2012Jan	9287.19	*3607.79*	1599.35	1766.89	2072.39	310.28	2779.17	3499.25	685.90	2430.00	8782.22
Feb	9287.19	*3607.79*	1599.35	1766.89	2072.39	310.28	2779.17	3499.25	685.90	2430.00	8782.22
Mar	9287.19	*3607.79*	1599.35	1766.89	2072.39	310.28	2779.17	3499.25	685.90	2430.00	8782.22
Apr	9287.19	*3607.79*	1599.35	1766.89	2072.39	310.28	2779.17	3499.25	685.90	2430.00	8782.22
May	9287.19	*3607.79*	1599.35	1766.89	2072.39	310.28	2779.17	3499.25	685.90	2430.00	8782.22
June	9287.19	*3607.79*	1599.35	1766.89	2072.39	310.28	2779.17	3499.25	685.90	2430.00	8782.22
July	9287.19	*3607.79*	1599.35	1766.89	2072.39	310.28	2779.17	3499.25	685.90	2430.00	8782.22
August	9287.19	*3607.79*	1599.35	1766.89	2072.39	310.28	2779.17	3499.25	685.90	2430.00	8782.22
September	9287.19	*3607.79*	1599.35	1766.89	2072.39	310.28	2779.17	3499.25	685.90	2430.00	8782.22
October	9287.19	*3607.79*	1599.35	1766.89	2072.39	310.28	2779.17	3499.25	685.90	2430.00	8782.22
November	9287.19	*3607.79*	1599.35	1766.89	2072.39	310.28	2779.17	3499.25	685.90	2430.00	8782.22
December	9287.19	*3607.79*	1599.35	1766.89	2072.39	310.28	2779.17	3499.25	685.90	2430.00	8782.22
2013Jan	9287.19	*3856.96*	1453.96	2120.27	2231.16	335.12	2315.98	3849.17	685.90	2160.00	8742.22
Feb	9287.19	*3856.96*	1453.96	2120.27	2231.16	309.07	2315.98	3849.17	685.90	2160.00	8728.89
Mar	9287.19	*3856.96*	1453.96	2120.27	2231.16	309.07	2315.98	3849.17	685.90	2160.00	8773.33
Apr	9287.19	*3856.96*	1453.96	2120.27	2231.16	309.07	2315.98	3849.17	685.90	2160.00	8755.56

May	9287.19	*3856.96*	1453.96	2120.27	2231.16	309.07	2315.98	3849.17	685.90	2160.00	8755.56
June	9287.19	*3856.96*	1453.96	2120.27	2231.16	309.07	2444.75	4874.45	685.90	2160.00	8408.89
July	16510.56	*3856.96*	1453.96	2120.27	2231.16	309.07	2444.75	4874.45	685.90	2160.00	8857.78
August	16510.56	*3856.96*	1453.96	2120.27	2231.16	309.07	2315.98	4531.02	685.90	2160.00	9053.33
September	16510.56	*3856.96*	1453.96	2120.27	2231.16	309.07	2315.98	4531.02	685.90	2160.00	9155.56
October	16510.56	*3856.96*	1453.96	2120.27	2231.16	309.07	2315.98	4531.02	685.90	2160.00	9173.33
November	16510.56	*3856.96*	1647.82	2120.27	2231.16	299.13	2315.98	5132.36	685.90	2160.00	9182.22
December	16510.56	*3856.96*	1647.82	2120.27	2231.16	299.13	2315.98	5132.36	685.90	2160.00	9284.44

Source: NCC

4.6 Tanzania Building Agency (TBA)

LIST OF COMMERCIAL LEASED GOVERNMENT HOUSES AND EX-PARASTATALS COUNTRYWIDE											
GOVERNMENT HOUSES					**EX - PARASTATALS HOUSES GRADES**						
		GRADE									
S/N	**REGION**	**A**	**B**	**C**	**II**	**III**	**1V**	**V**	**VI**	**NONE**	**TOTAL**
1	ARUSHA	6	19	0	1	5	18				49
2	DAR ES SALAAM	57	2	0	96	62	5				222
3	DODOMA	225	162	0	3	2	6				398
4	GEITA	0	5	0	0	0	0				5
5	IRINGA	0	9	6	3	12	17				47
6	KAGERA	0	4	11	0	9	0				24
7	KATAVI	0	0	0	0	0	0				0
8	KIGOMA	16	2	0	0	0	0				18
9	KILIMANJARO	0	11	35	0	0	0				47
10	LINDI	4	14	0	0	0	12				30
11	MANYARA	0	0	4	0	0	0				4
12	MARA	1	10	0	0	0	0				11
13	MBEYA	0	9	0	0	0	0				9
14	MOROGORO	2	2	0	0	8	3				15
15	MTWARA	7	9	0	15	0	19				50
16	MWANZA	8	2	3	0	236	3				252
17	NJOMBE	1	21	0	0	0	0				22
18	PWANI	0	0	11	0	1	0				12
19	RUKWA	1	13	0	0	22	0				36
20	RUVUMA	3	2	0	0	0	0				5
21	SHINYANGA	2	1	17	0	0	11				31
12	SIMIYU	0	5	0	0	0	0				5
23	SINGIDA	4	3	0	0	0	0				7
24	TABORA	2	5	21	0	0	1				29
25	TANGA	19	25	44	0	0	28				116
TOTAL		358	335	152	118	358	123				1444

4.7 Tanzania Electrical, Mechanical and Electronic Services Agency

Table 4.7.1: Status of Ferries and their Capacities in each Location as of December, 2013

S/N	OPERATIONAL LOCATION	REGION	NAME OF FERRY	FERRY CAPACITY	YEAR OF PURCHASE	STATUS
1	MAGOGONI-KIGAMBONI	DAR ES SALAAM	MV KIGAMBONI	• General Cargo 160Tons • Passengers 600 – 800 • Small Vehicles 23	1985	Operational (After major rehabilitation) From 14/11/2009
			MV ALINA	• General Cargo 120Tons • Passengers 500-600 • Small Vehicles 18	1990	Docked waiting for boarding off
			MV MAGOGONI	• General Cargo 500Tons • Passengers 2000 • Small Vehicles 61	2008	Operational
2	KIGONGO - BUSISI	MWANZA	MV SENGEREMA	• General cargo 170Tons • Passengers 490 • Small vehicles 9	1986	Operational (After major rehabilitation) From 19/02/2010
			MV MISUNGWI	• General Cargo 250Tons • Passengers 1000 • Small vehicles 36	2008	Operational
3	BUGOLORA - UKARA	MWANZA	MV NYERERE	• General cargo 25Tons • Passengers 150 • Small Vehicles 4	2004	Operational
4	CHATO	GEITA	MV CHATO	• General Cargo 75Ton • Passengers 200 • Small Vehicles 6	1960	Operational – after major rehabilitation

5	KISORYA - RUGEZI	MWANZA	MV SABASABA	• General Cargo 85Tons • Passengers 300 • Small Vehicles 10	1970	Operational – after major rehabilitation
			MV UJENZI	• General Cargo 85Tons • Passengers 330 • Small vehicles 10	2011	Operational
6	NYAKALIRO – KOME	MWANZA	MV KOME	• General Cargo 25Tons • Passengers' 150 • Small Vehicles 2	1971	Non – Operational (Under major Rehabilitation)
			MV KOME II	• General Cargo 40Tons • Passengers 100 • Small Vehicles 4	2008	Operational (New) From 26/04/2009
7	KILOMBERO – IFAKARA MTO KILOMBERO	MOROGORO	MV KILOMBERO I	• General Cargo 35Tons • Passengers 100 • Small Vehicles 4	2002	Operational
			MV KILOMBERO II	• General Cargo 50Tons • Passengers 150 • Small vehicles 4	2007	Operational
8	PANGANI RIVER TANGA	TANGA	MV PANGANI I	• General Cargo 35Tons • Passengers 70 • Small Vehicles 5	1972	Docked waiting for boarding off
			MV PANGANI II	• General Cargo 50Tons • Passengers 100 • Small Vehicles 6	2009	Operational
9	MALAGARASI – ILAGALA MTO MALAGARASI KIGOMA	KIGOMA	MV ILAGALA	• General Cargo 50Tons • Passengers 150 • Small vehicles 4	2005	Operational
			MV MALAGARASI	• General Cargo 50Tons • Passengers 100 • Small Vehicles 6	2013	Operational (NEW) from 21/10/2013
10	KYANYABASA - BUKOBA	KAGERA	MV KYANYABASA	• General Cargo 7Tons	1979	Operational

				• Passengers 50 • Small Vehicles 2		
11	RUHUHU RIVER – RUVUMA	RUVUMA	MV RUHUHU	• General Cargo 7Tons • Passengers 50 • Small vehicles 2	1979	Non - Operational
			MV RUHUHU (NEW)	• 50Tons	2008	Operational
12	KILAMBO MTO RUVUMA - MTWARA	MTWARA	MV KILAMBO	• General Cargo 35Tons • Passengers 100 • Small Vehicles 2	2003	Non – Operational (Sunk)
			MV KILAMBO (New)	• General Cargo 50Tons • Passengers 100 • Small Vehicles 6	2012	Operational
13	RUSUMO – NYAKIZIBA	KAGERA	MV RUVUVU	• General Cargo 35Tons • Passengers 70 • Small Vehicles 5	2011	Operational
14	UTETE - MKONGO	PWANI	MV UTETE	• General Cargo 50Tons • Passengers 150 • Small vehicles 4	2011	Operational
15	MUSOMA - KINESI	MARA	MV MUSOMA	• General Cargo 85Tons • Passengers 330 • Small Vehicles 10	2011	Operational

Source: TEMESA

Table 4.7.2: Ferry Traffic Count as of December 2013

Ferry/ Station	Adults	Childr en<=1 4 yrs	Bicycle & m/cycle	Pkg<5 0 kg&p kg>50 kg	Carts, t/cycles &psg t/cycles	Cattle &other d/ animal	Saloon & p/up < 1.5ton	Station Wagon	Min bus<=15 psg, veh>15psg< =29psg, veh>29psg, veh>2t <=7t&veh> 2t<=3.5t	Tractor& trailer	Lorries 8-20 tonne& buses >4 - 5 psg	Heavy trucks, plants, earht mover & heavy eqip
Magogoni Ferry	18,083,97 3	381,80 4	1,017,0 90	0	85,527	0	760,372	71,316	31,399	0	0	0
Kigongo/ Busisi	1,879,092	93,540	22,693	2850	604	178	110,651	0	62,505	1070	16,552	458
Kisorya/ Rugezi	480,957	50,404	22,197	29,017	467	7,923	3,107	1,675	8,919	525	562	21
Nyakaliro/ Kome	386,960	254,38 7	70,054	8,354	52	997	7,452	415	1586	0	22	0
Bugolora/ Ukara	290,052	62,111	19,001	37,184	1,602	2,952	740	223	484	81	24	4
Chato	37,339	5,126	18,632	11,733	44	914	0	0	0	0	0	0
Ilagala (Kigoma)	272,744	8,841	99,259	4,378	10	457	2,058	1,041	3,949	0	73	36
Kilambo	19,114	28	94	3,138	244	22	46	0	516	0	186	24
Kilombero	939,165	19,396	396,952	1,228	958	23,138	17,018	9,143	32,246	1,806	6,265	178
Pangani	492,602	16,793	147,598	5,094	2,036	1,302	21,371	5,004	17,835	527	2,635	78
Ruhuhu	0	0	0	0	0	0	0	0	0	0	0	0
Kyanyabasa	34,437	0	13,453	5,055	0	17	972	381	1,186	0	0	0
UteteRufiji	0	0	0	0	0	0	0	0	0	0	0	0
Ruvuvu	66,948	7,414	10,808	5,459	0	2,041	2,814	974	1,626	0	0	0
Musoma/ Kinesi	613,877	160,44 2	32,575	56,960	1,912	607	5,169	0	968	90	45	494
TOTAL	**23,597,26 0**	**1,060,2 86**	**1,870,4 06**	**170,45 0**	**93,456**	**40,548**	**931,770**	**90,172**	**163,219**	**4,099**	**26,364**	**1,293**

Source: TEMESA

5.0 TRAINING INSTITUTES

The Ministry has two Training Institutes which are the Morogoro Works Training Institute (MWTI) and the Appropriate Technology Training Institute (ATTI – MBEYA). The two Institutes conduct programmes which produce technicians who can serve in road works, construction and other type of technologies.

5.1 MOROGORO WORKS TRAINING INSTITUTE (MWTI)

Table 5.1.1: Training Programmes at MWTI

S/N	COURSE TITLE
1.	Road Construction
2.	Masonry and Bricklaying
3.	Carpentry and Joinery
4.	Painting and Sign writing
5.	Plumbing and Pipe Fitting
6.	Motor Vehicle Mechanics
7.	Domestic Electrical Installation
8.	Welding and Metal Fabrication
9.	Public Drivers
10.	Motor Vehicle Driving
11.	Civil Draughting
12	Auto Electrical
13.	Auto Body Repair
14.	Heavy Plant Operation
15.	Basic Motor Vehicle Driving
16.	Heavy Plant Mechanics
17.	Road Safety
18	Bridge Inspection
19	Passenger service vehicle (PVS)
20	Roads and bridge inspection and maintenance management course
21	Building inspection and maintenance management Course
22	Mechanics inspection and maintenance management course

Source: MWTI

Table 5.1.2: Long Course Students at MWTI by 2013

		YEAR					TOTAL
S/N	**COURSE Certificate**	**2009**	**2010**	**2011**	**2012**	**2013**	
1.	Road Construction	17	9	24	45	36	131
2.	Masonry and Bricklaying	8	6	15	20	19	68
3.	Carpentry and Joinery	0	0	0	0	0	0
4.	Painting and Signwriting	0	0	0	0	0	0
5.	Plumbing and Pipe Fitting	0	0	23	10	6	39
6.	Motor Vehicle Mechanics	33	31	36	47	50	197
7.	Domestic Electrical Installation	20	30	50	67	73	240
8.	Welding and metal Fabrication	9	5	19	24	14	71
9.	Civil Draughting	0	0	6	1	11	18
10	Auto Electrical	0	0	0	20	38	58
	TOTAL	87	81	173	234	247	822

Source: MWTI

Table 5.1.3: Short Course Students at MWTI as of June, 2013

S/N	COURSE	YEAR					TOTAL
		2009	2010	2011	2012	2013	
1.	Road Construction	-	37	48	43	25	153
2.	Masonry and Bricklaying	16	23	8	11	8	66
3.	Carpentry and Joinery	4	2	0	0	1	07
4.	Painting and Signwriting	-	1	0	0	0	01
5.	Plumbing and Pipe Fitting	1	5	9	10	2	27
6.	Motor Vehicle Mechanics	16	29	27	26	12	110
7.	Domestic Electrical Installation	12	53	76	66	31	238
8.	Welding and metal Fabrication	5	3	5	6	5	24
9.	Public Drivers	-	18	5	2	20	45
10.	Motor Vehicle Driving	18	0	0	2	0	20
11.	Civil Draughting	5	1	0	4	1	11
12.	Auto Electrical	-	0	0	1	5	06
13.	Auto Body Repair	-	6	2	0	0	08
14.	Heavy Plant Operation	15	0	0	4	2	21
15.	Basic Motor Vehicle Driving	208	209	274	292	293	1276
16.	Heavy plant Mechanics	-	0	0	0	0	0
17.	Road Safety	-	0	0	0	0	0
18	Passenger service vehicles	0	0	94	272	72	438
18.	Bridge inspection	-	0	0	0	0	0
	TOTAL	**300**	**387**	**548**	**739**	**477**	2451

Source: MWTI

Table 5.1.4: Upgrading Course Students at MWTI as of December, 2013

S/N	COURSE	YEAR					
		2008	2009	2010	2011	2012	2013
1.	Roads and Bridge Insp. Maintenance and management course.	18	0	4	4	7	6
2.	Building Insp. & Maintenance and management course	3	0	4	4	5	14
3.	Motor vehicle inspection maintenance and management		0	3	2	8	4
4.	Electrical installation	5	0	3	5	2	1
5	Plant operator	0	0	1	1	5	1
6	Civil Draughting	0	0	4	0	2	0
7	Public Driver			4	2	0	0
	TOTAL	27	0	23	18	29	26

Source: MWTI

5.2 APPROPRIATE TECHNOLOGY TRAINING INSTITUTE (ATTI) – MBEYA

Table 5.2.1: Training Programmes at ATT

S/N	COURSE TITLE:
1.	Clients' & Consultants' Course on LBT Rehabilitation and Maintenance of Gravel Roads
2.	Supervisors' Course on LBT Rehabilitation and Maintenance of Gravel Roads
3.	Contractors' Course on LBT Rehabilitation and Maintenance of Gravel Roads
4.	Village Gang Leaders' Course on LBT Rehabilitation and Maintenance of Gravel Roads
5.	Small-Scale Women Contractors' Course on LBT Rehabilitation and Maintenance of Gravel Roads
6.	Operation and Management of LBT Light Equipment and Plants
7	International Course
8	Engineer & Technicians Course on bituminous Surface Dressing on Low Volume Roads.
9	Technicians 'course on contract Management & Administration(TANROADS-ARUSHA)

Source: ATTI – MBEYA

Table 5.2.2: Short Course Students at ATTI-MBEYA as of December, 2013

S/N	COURSE	YEAR					TOTAL
		2009	2010	2011	2012	2013	
	Clients' & Consultants' Course on LBT Rehabilitation and Maintenance of Gravel Roads	05	-	-	-	-	57
	Supervisors' Course on LBT Rehabilitation and Maintenance of Gravel Roads	16	-	-	-	-	106
	Contractors' Course on LBT Rehabilitation and Maintenance of Gravel Roads	39	-	102	-	-	429
	Village Gang Leaders' Course on LBT Rehabilitation and Maintenance of Gravel Roads	28	26	-	-	-	161
	Small-Scale Women Contractors' Course on LBT Rehabilitation and Maintenance of Gravel Roads	44	-	43	18	31	242
	Operation and Management of LBT Light Equipment and Plants	-	-	-	-	-	43
	Engineer & Technicians Course on bituminous Surface Dressing on Low Volume Roads.	-	-	-	-	14	14
	International Course	-	-	-	9	9	18
	Technicians course on contract Management & Administration(TANROADS-ARUSHA)	-	-	-		-	0

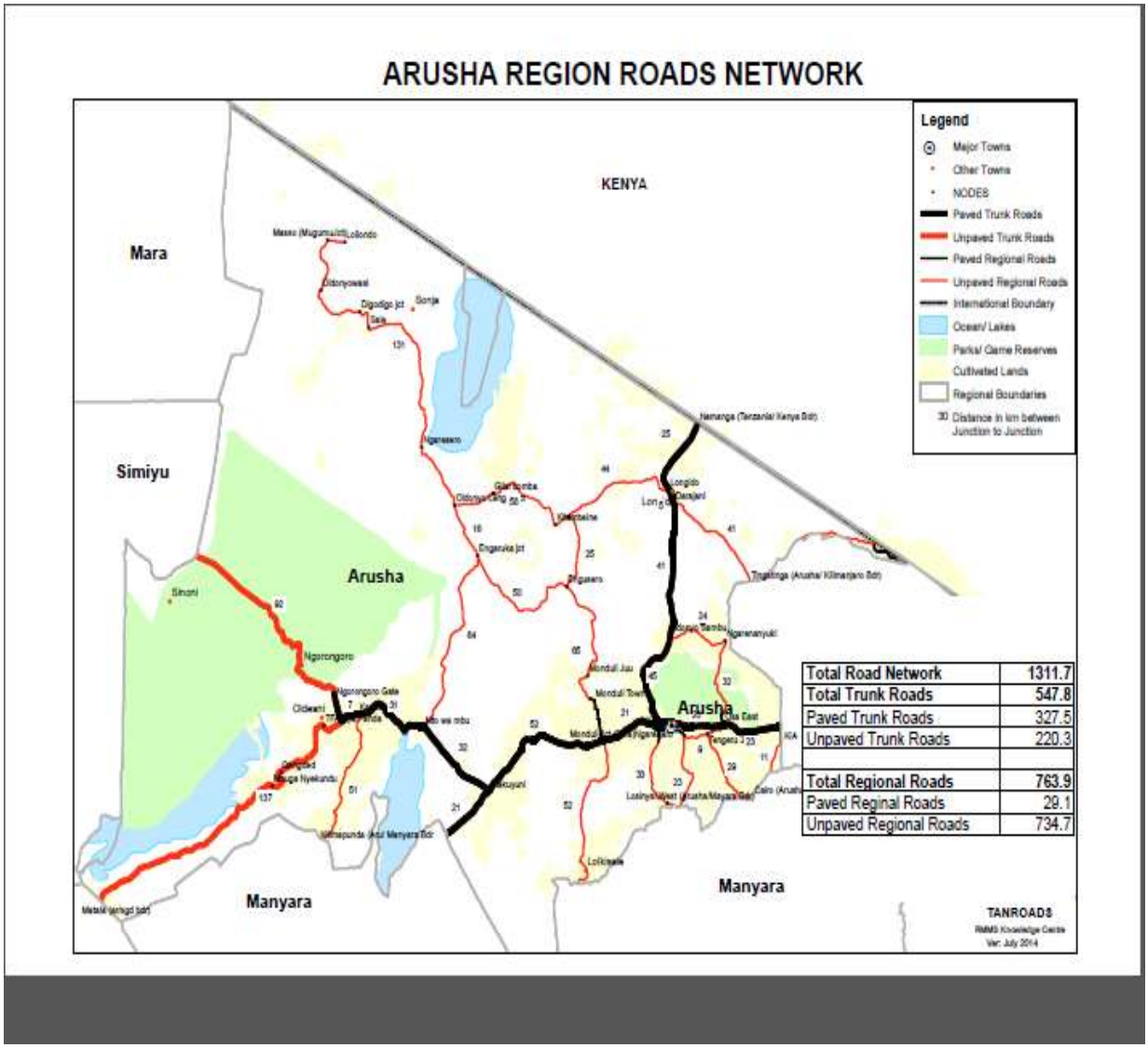
Source: ATTTI – MBEYA

ANNEX 1: LIST OF KEY MONITORING INDICATORS FOR MINISTRY OF WORKS

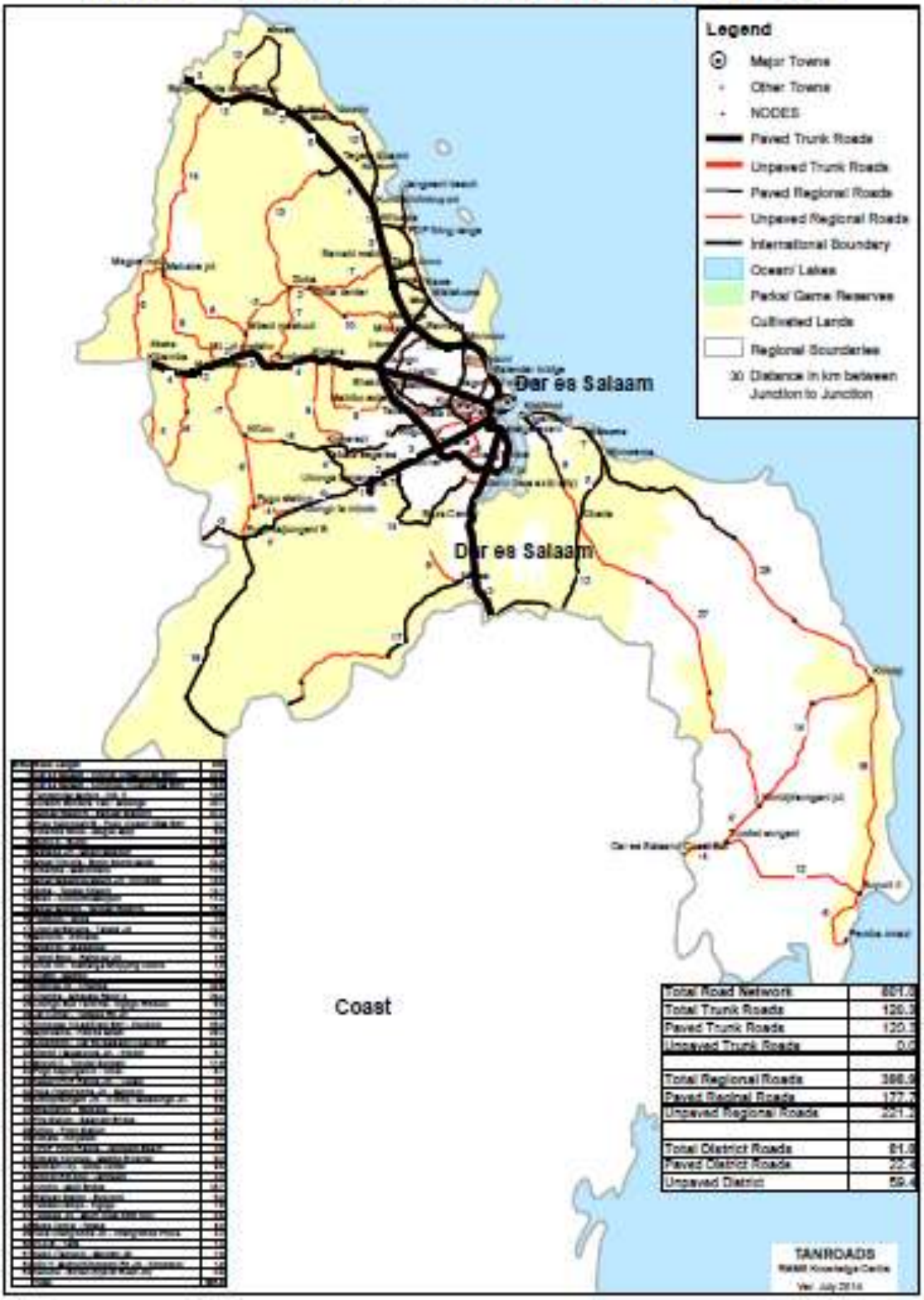
Key performance indicators **Road Sub-Sector:**	**June 2008 (Actual)**	**June 2009 (Actual)**	**June 2010 (Actual)**	**June 2011 (Actual)**	**June 2012 Target**	**June 2012 (Actual)**	**June 2013 target**	**June 2014 target**
Percentage road network in good/fair condition (%)	---	---	---	---	---	---	---	---
Trunk & Regional Overall (paved / unpaved)	85	84	84	86	88	85	87	89
Good	41	36	39	40	41	38	43	44
Fair	44	48	45	46	47	47	44	45
Trunk roads (Paved)	---	---	---	---	---	---	---	---
Good	80	81	77	83	84	67	85	86
Fair	14	13	15	11	11	25	10	11
Trunk roads (Unpaved)	---	---	---	---	---	---	---	---
Good	32	21	27	27	28	35	29	30
Fair	53	59	56	60	60	53	61	62
Regional roads (Paved)	---	---	---	---	---	---	---	
Good	53	53	31	58	59	48	60	61
Fair	20	27	52	25	25	45	25	25
Regional roads (Unpaved)								
Good	31	27	31	29	30	29	31	32
Fair	52	55	52	53	54	53	54	55
District, feeder and Collector roads	---	---	---	---	---	---	---	---
Good	23	24	29 (22.4)	25 (22%)	(24%)	24	26	27
Fair	34	35	31 (33.8)	33 (34%)	(34%)	35	35	36
Percentage of rural population living within 2 km of all season passable road*	-	-	-	-	-	-	-	-
Level of maintenance funding (expenditure)	86	67	70 (58)	53	57	92	68	71
Total expenditure roads subsector (TShs. Billions)	---	333.95	352.64 (540.65)	692.62		658.35	---	---
Traffic level veh-km (Trunk roads)	---	---	---	---	---	found	---	---
Road network length	86,472	86,472	86,472	86,472	86,472	86,472	86,472	86,472
Paved Length of network	6,413	6,600	6,850 (6,700)	6,850	---	7,428	---	---

Road Safety	---	---	---	---	---	---	---	---
Fatalities	2,430	3,204	2,200 (3,291)	2,200	2,000	found	1,860	1,700
Axle-Load Control Percentage (%) of Vehicles Overloaded	18	23	20 (25)	20	23	23	25	26
Environment	---	---	---	---	---	found	---	---
% of main road projects complying with Environmental Regulations (EIA).	100	100	100	100	---	100	100	100

ANNEX 2: ROAD NETWORK BY REGION AS OF JUNE, 2013



DAR ES SALAAM REGION ROADS NETWORK



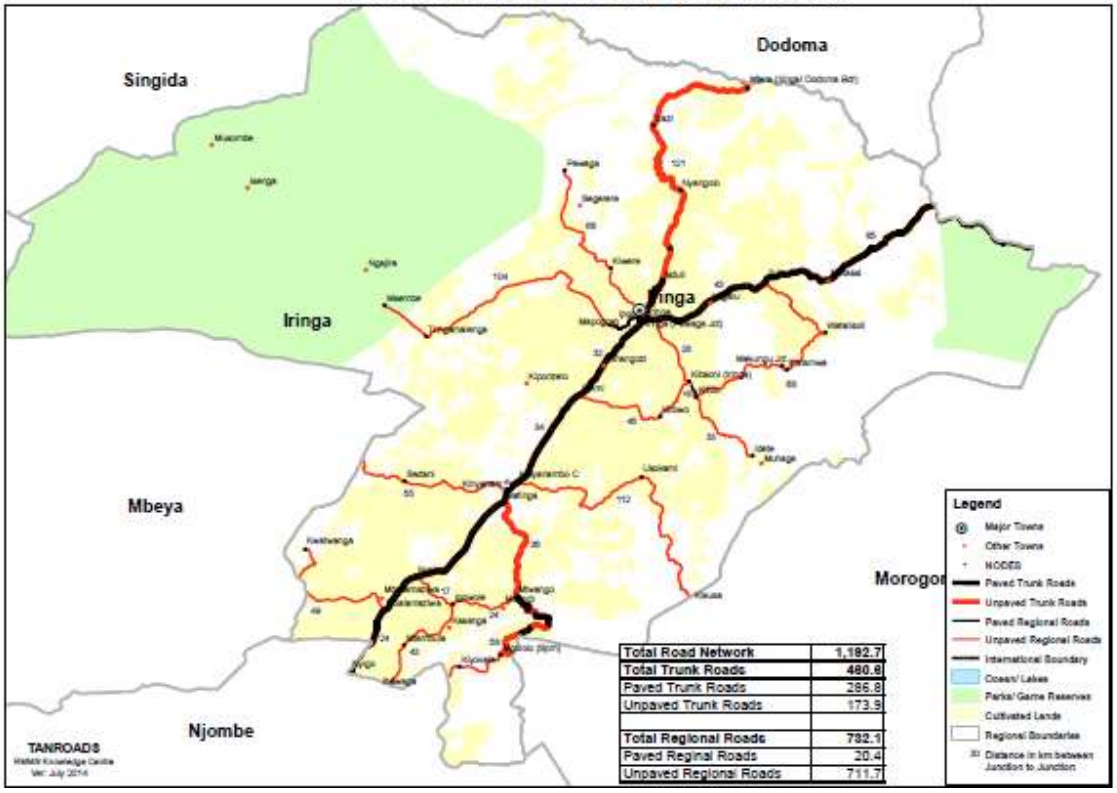
COAST REGION ROADS NETWORK

Total Road Network	1386.2
Total Trunk Roads	501.6
Paved Trunk Roads	483.7
Unpaved Trunk Roads	17.8
Total Regional Roads	883.7
Paved Reginal Roads	17.7
Unpaved Regional Roads	865.9

DODOMA REGION ROADS NETWORK

Total Road Network	1,695.3
Total Trunk Roads	554.6
Paved Trunk Roads	237.6
Unpaved Trunk Roads	317.0
Total Regional Roads	1,140.7
Paved Reginal Roads	16.4
Unpaved Regional Roads	1,124.3

IRINGA REGION ROADS NETWORK

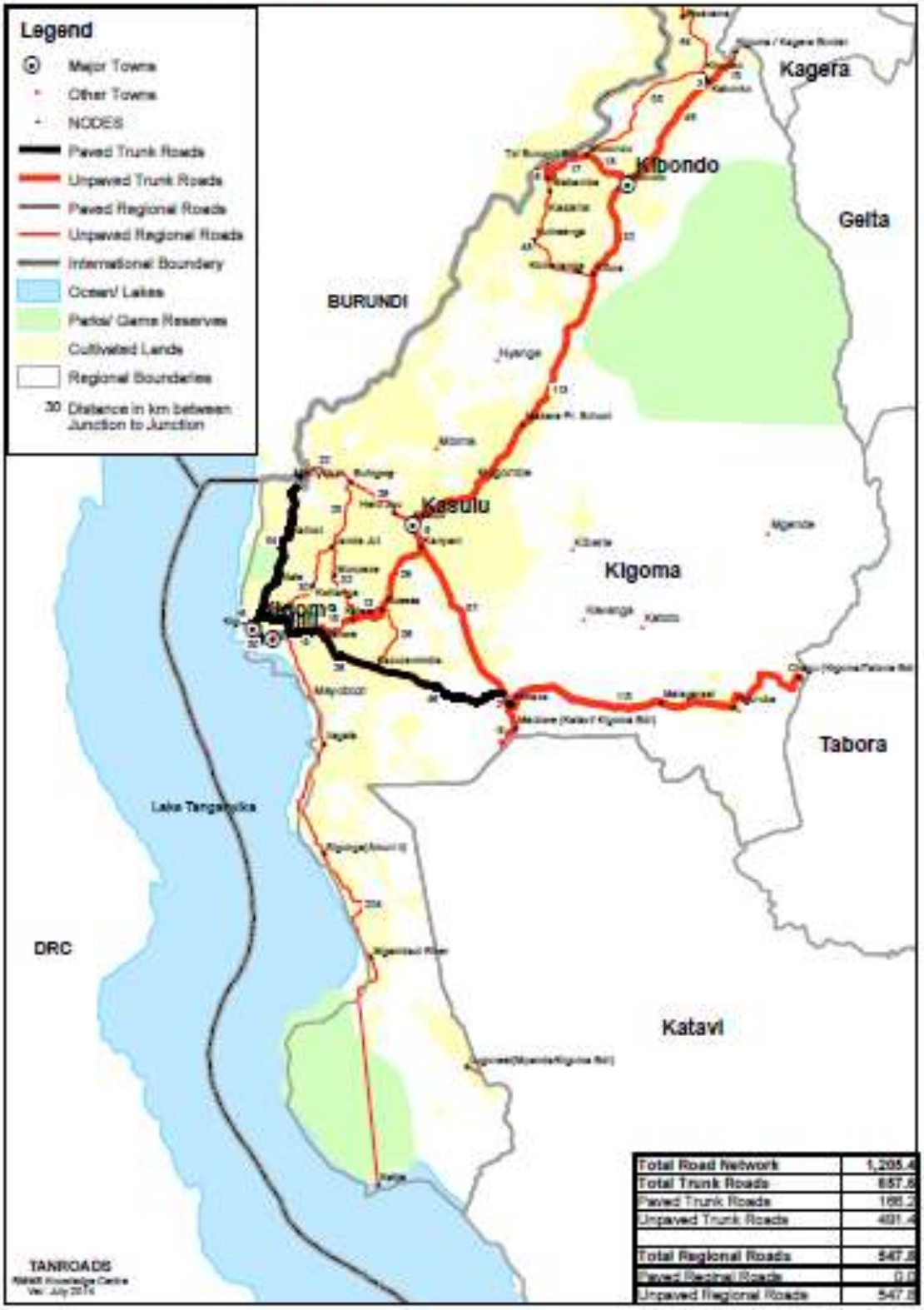


Total Road Network	**1,192.7**
Total Trunk Roads	**480.8**
Paved Trunk Roads	286.8
Unpaved Trunk Roads	173.9
Total Regional Roads	**792.1**
Paved Reginal Roads	20.4
Unpaved Regional Roads	711.7

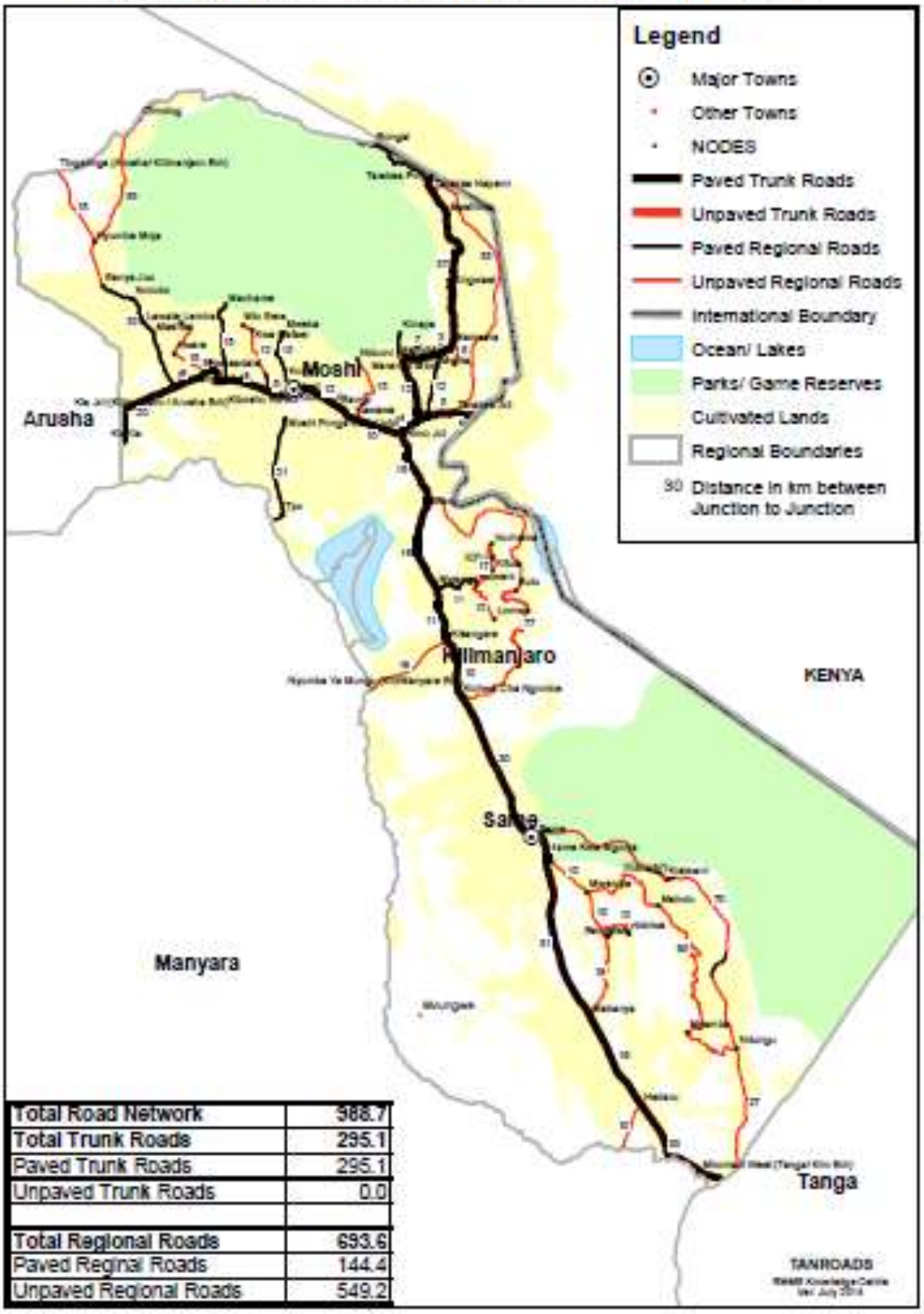
KAGERA REGION ROADS NETWORK

Total Road Network	1,914.5
Total Trunk Roads	861.7
Paved Trunk Roads	497.3
Unpaved Trunk Roads	364.4
Total Regional Roads	1,052.8
Paved Regional Roads	75.3
Unpaved Regional Roads	977.5

KIGOMA REGION ROADS NETWORK

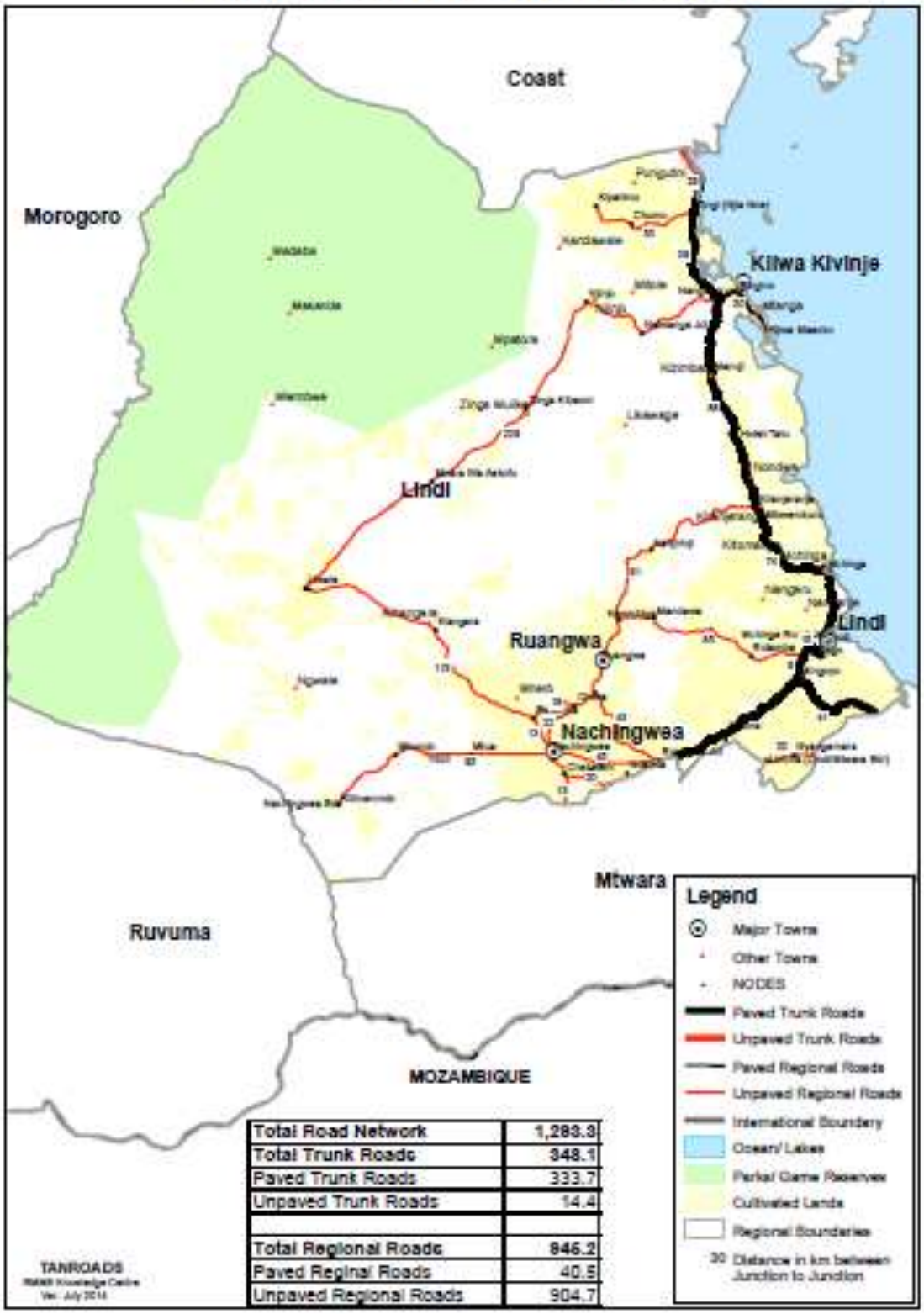


KILIMANJARO REGION ROADS NETWORK



Total Road Network	988.7
Total Trunk Roads	295.1
Paved Trunk Roads	295.1
Unpaved Trunk Roads	0.0
Total Regional Roads	693.6
Paved Reginal Roads	144.4
Unpaved Regional Roads	549.2

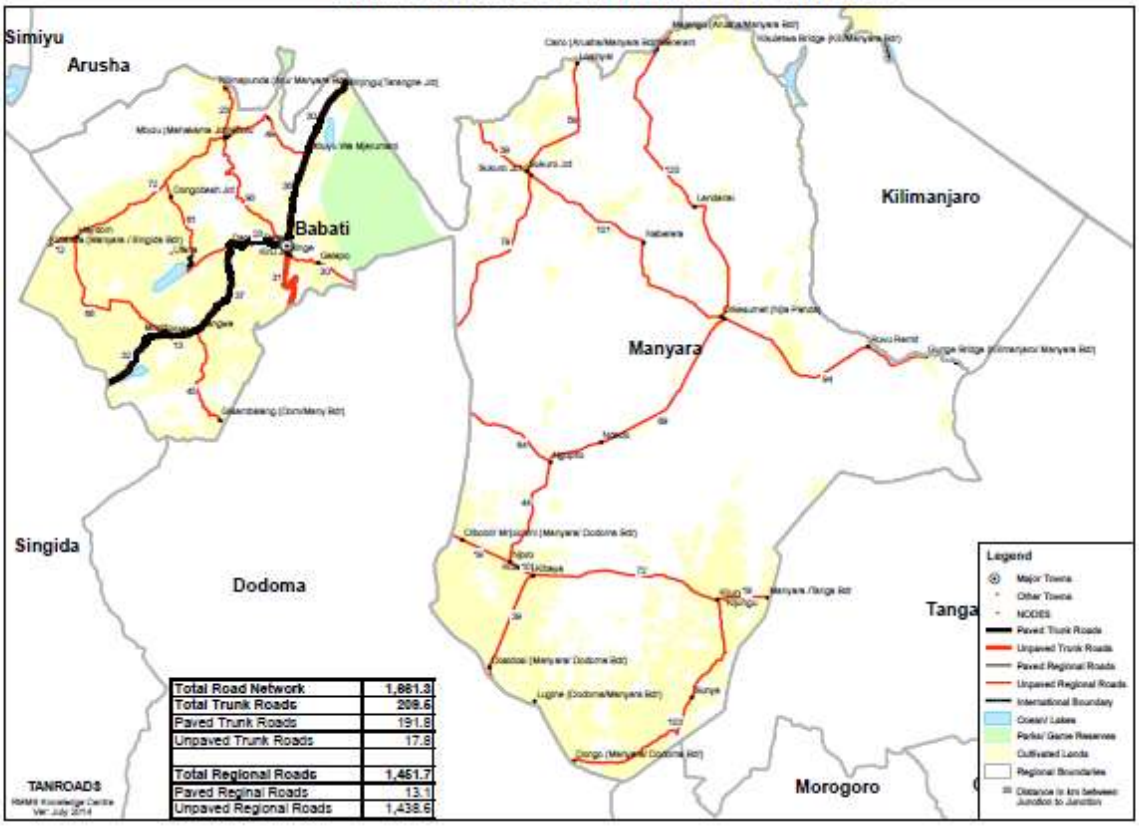
LINDI REGION ROADS NETWORK



Total Road Network	1,283.3
Total Trunk Roads	348.1
Paved Trunk Roads	333.7
Unpaved Trunk Roads	14.4
Total Regional Roads	846.2
Paved Reginal Roads	40.5
Unpaved Regional Roads	904.7

TANROADS

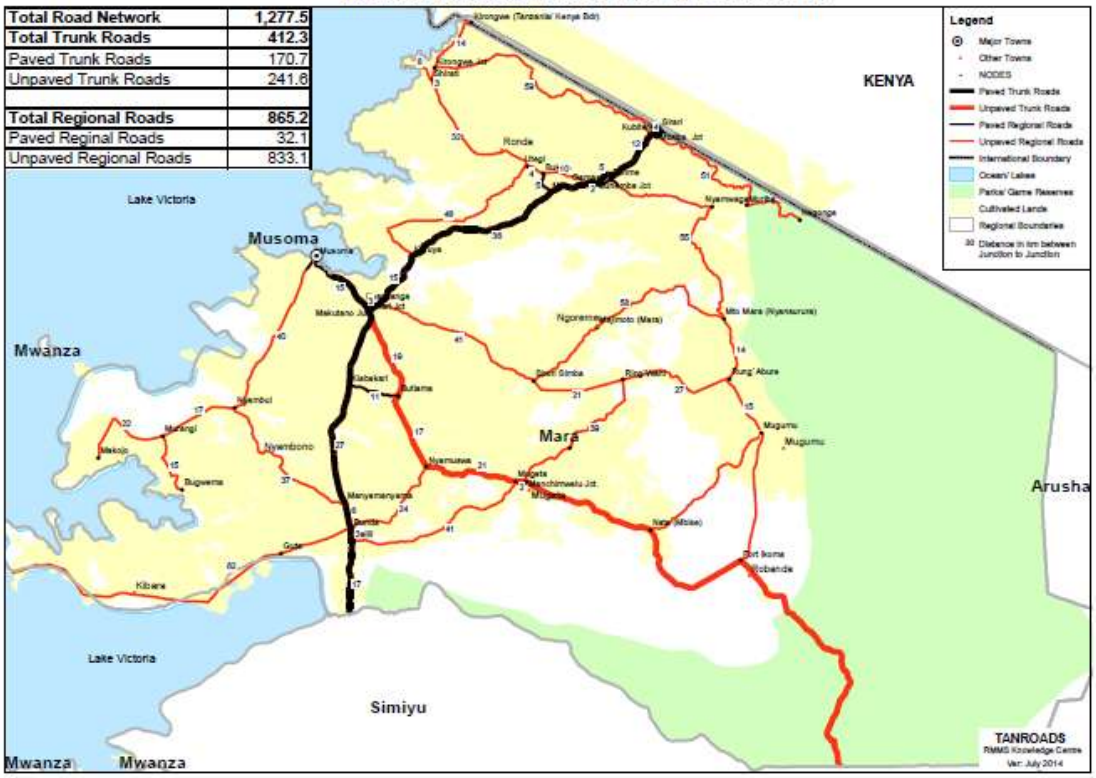
MANYARA REGION ROADS NETWORK



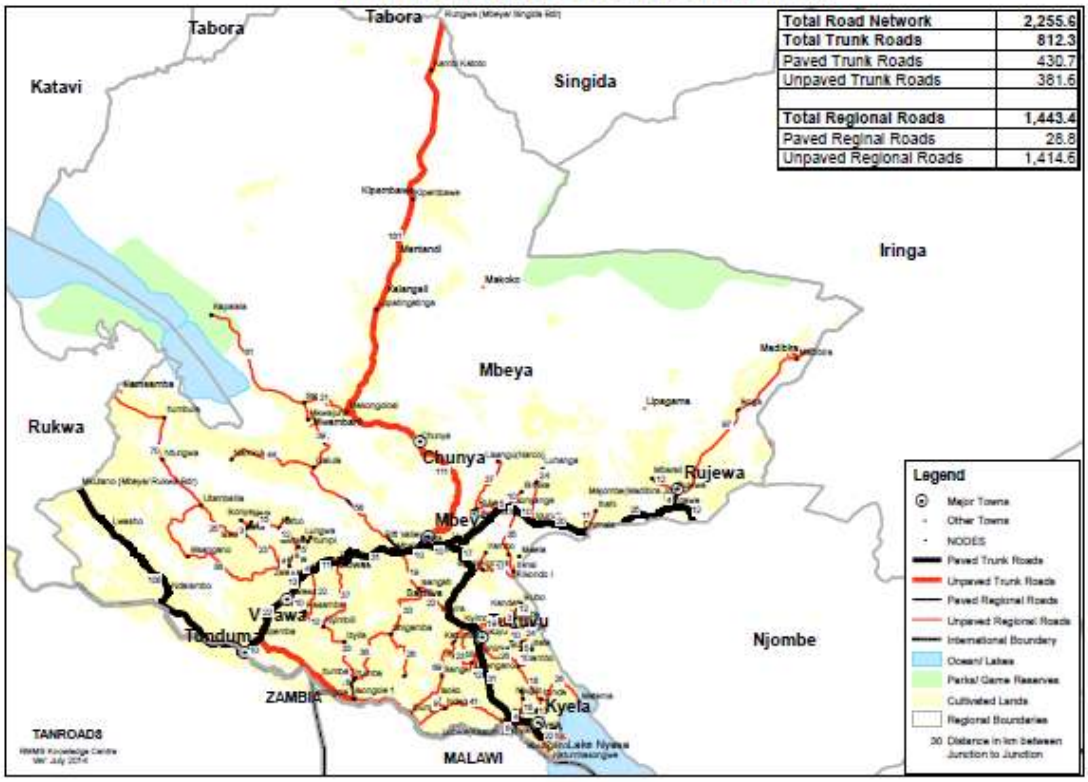
Total Road Network	1,881.3
Total Trunk Roads	209.6
Paved Trunk Roads	191.8
Unpaved Trunk Roads	17.8
Total Regional Roads	1,451.7
Paved Reginal Roads	13.1
Unpaved Regional Roads	1,438.6

MARA REGION ROADS NETWORK

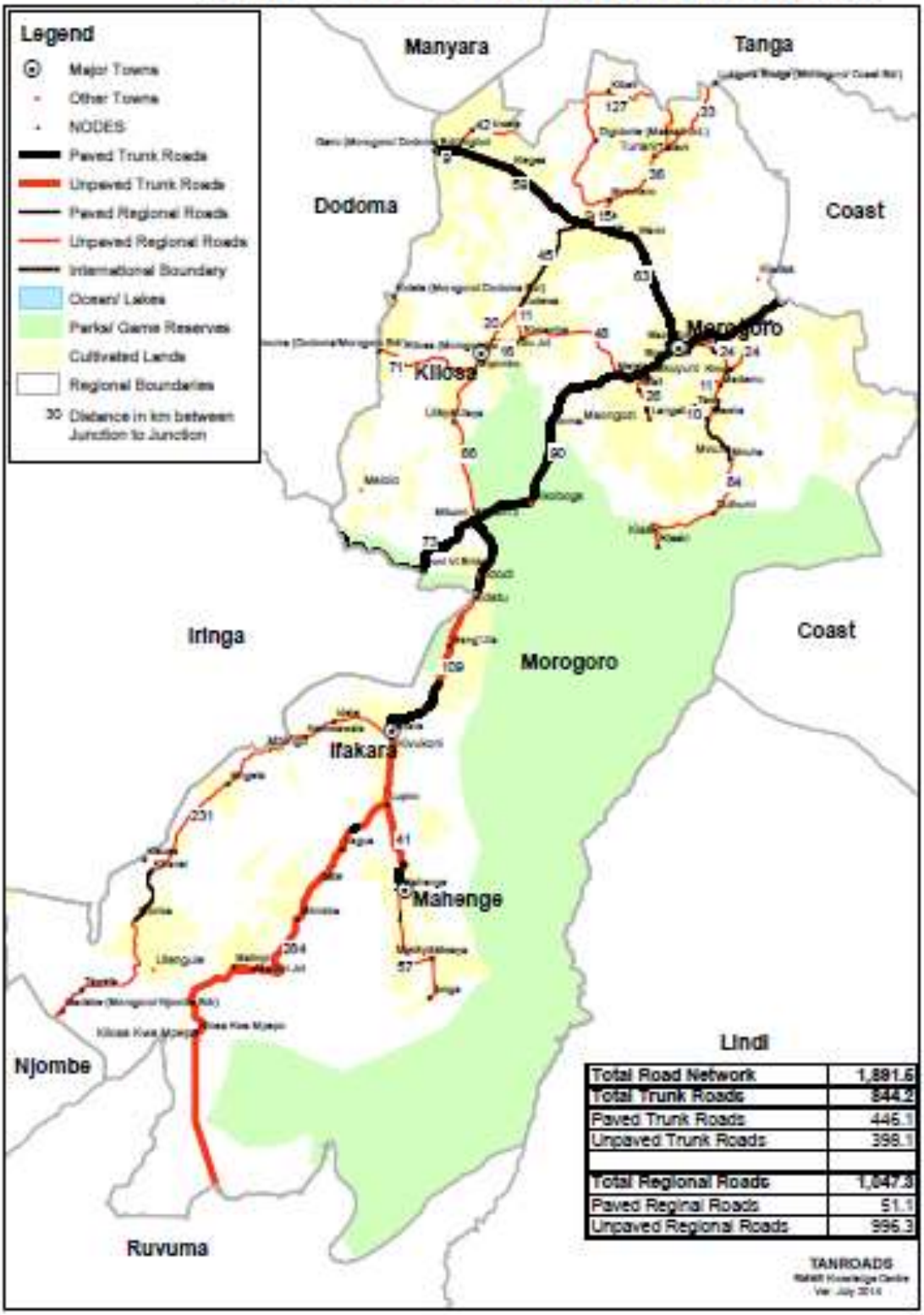
Total Road Network	**1,277.5**
Total Trunk Roads	**412.3**
Paved Trunk Roads	170.7
Unpaved Trunk Roads	241.6
Total Regional Roads	**865.2**
Paved Reginal Roads	32.1
Unpaved Regional Roads	833.1



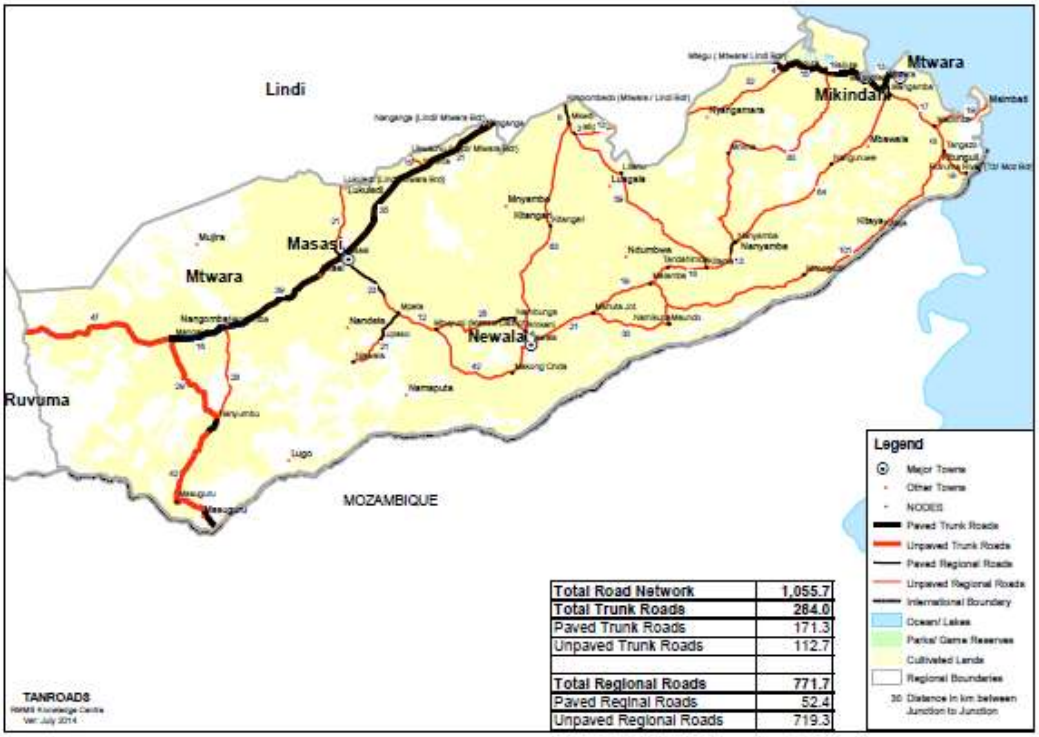
MBEYA REGION ROADS NETWORK



MOROGORO REGION ROADS NETWORK



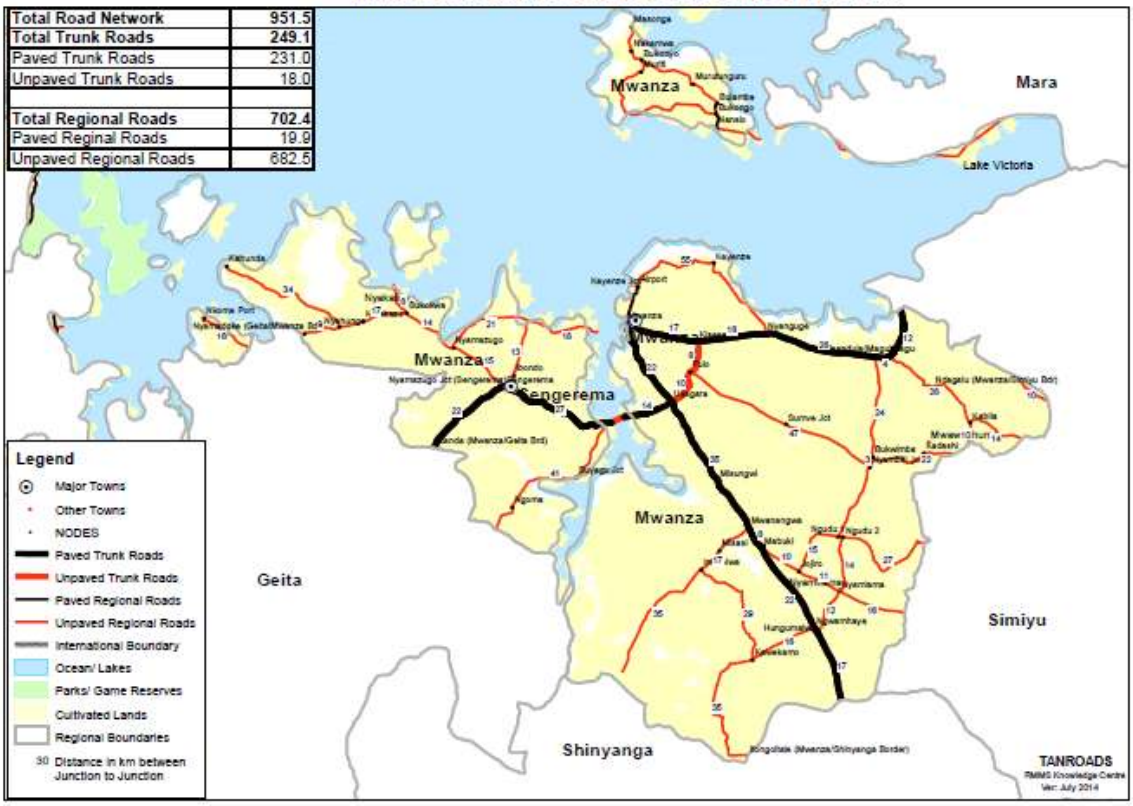
MTWARA REGION ROADS NETWORK



Total Road Network	1,055.7
Total Trunk Roads	284.0
Paved Trunk Roads	171.3
Unpaved Trunk Roads	112.7
Total Regional Roads	771.7
Paved Reginal Roads	52.4
Unpaved Regional Roads	719.3

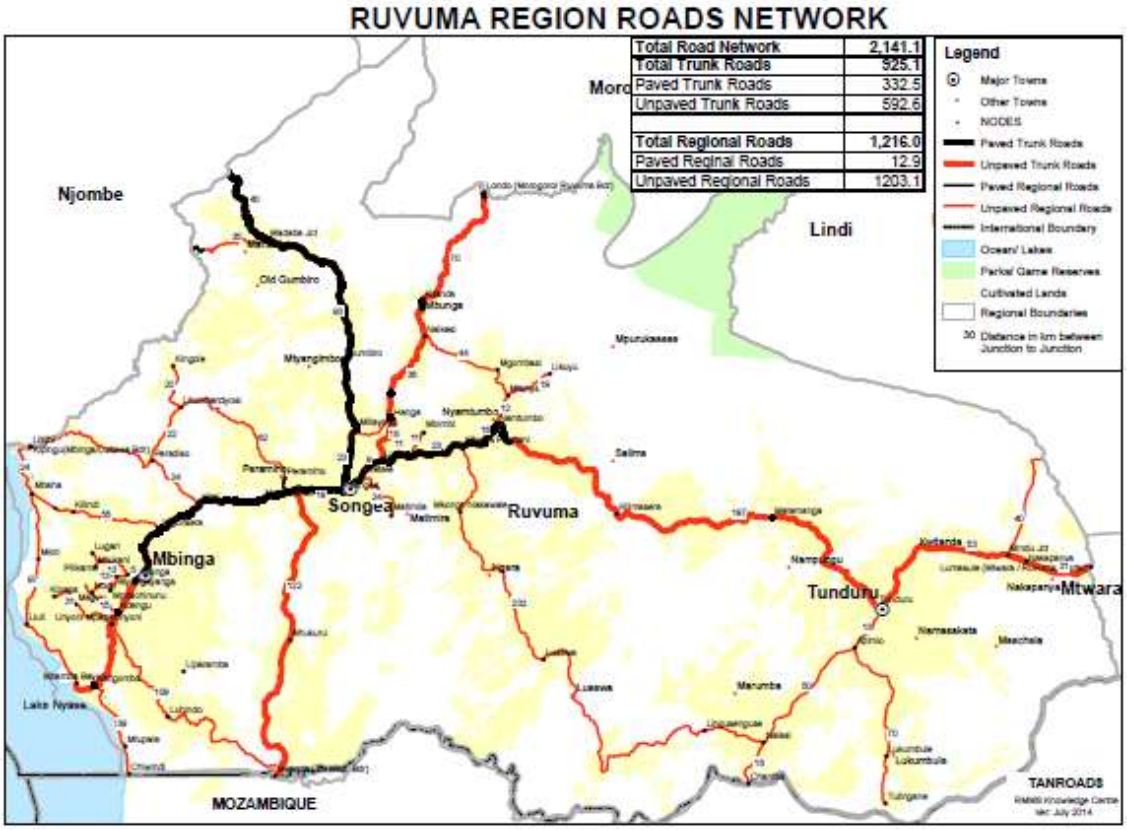
MWANZA REGION ROADS NETWORK

Total Road Network	**951.5**
Total Trunk Roads	**249.1**
Paved Trunk Roads	231.0
Unpaved Trunk Roads	18.0
Total Regional Roads	**702.4**
Paved Reginal Roads	19.9
Unpaved Regional Roads	682.5

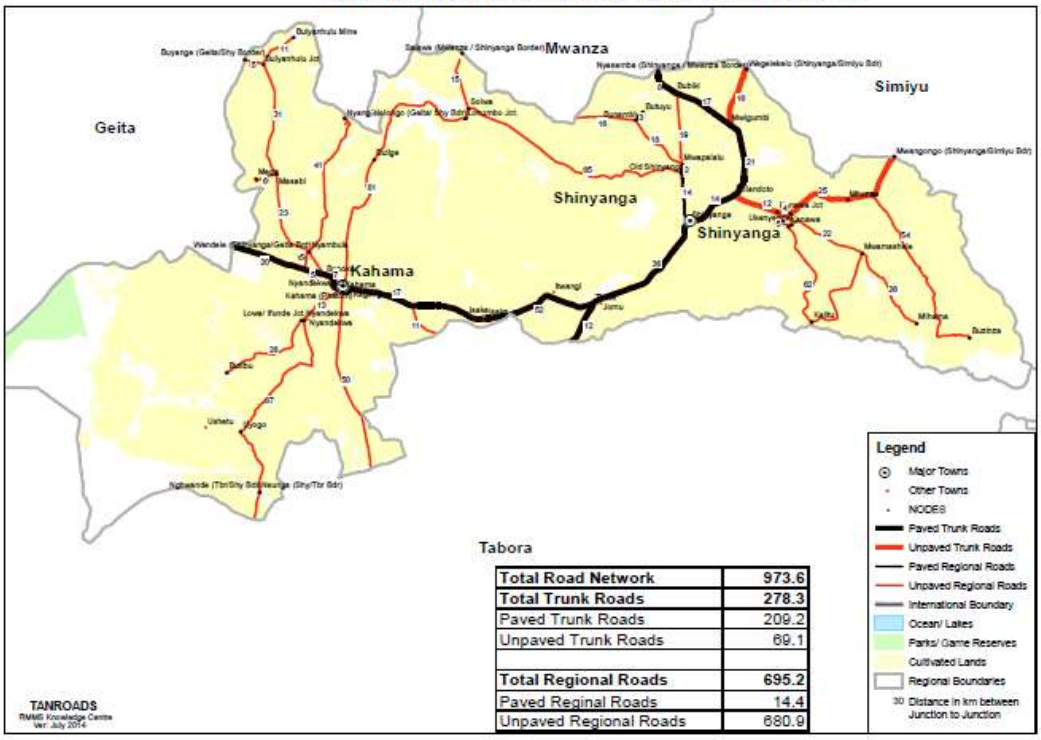


RUKWA REGION ROADS NETWORK

Total Road Network	1,208.8
Total Trunk Roads	412.6
Paved Trunk Roads	58.5
Unpaved Trunk Roads	354.0
Total Regional Roads	787.3
Paved Reginal Roads	5.5
Unpaved Regional Roads	781.8

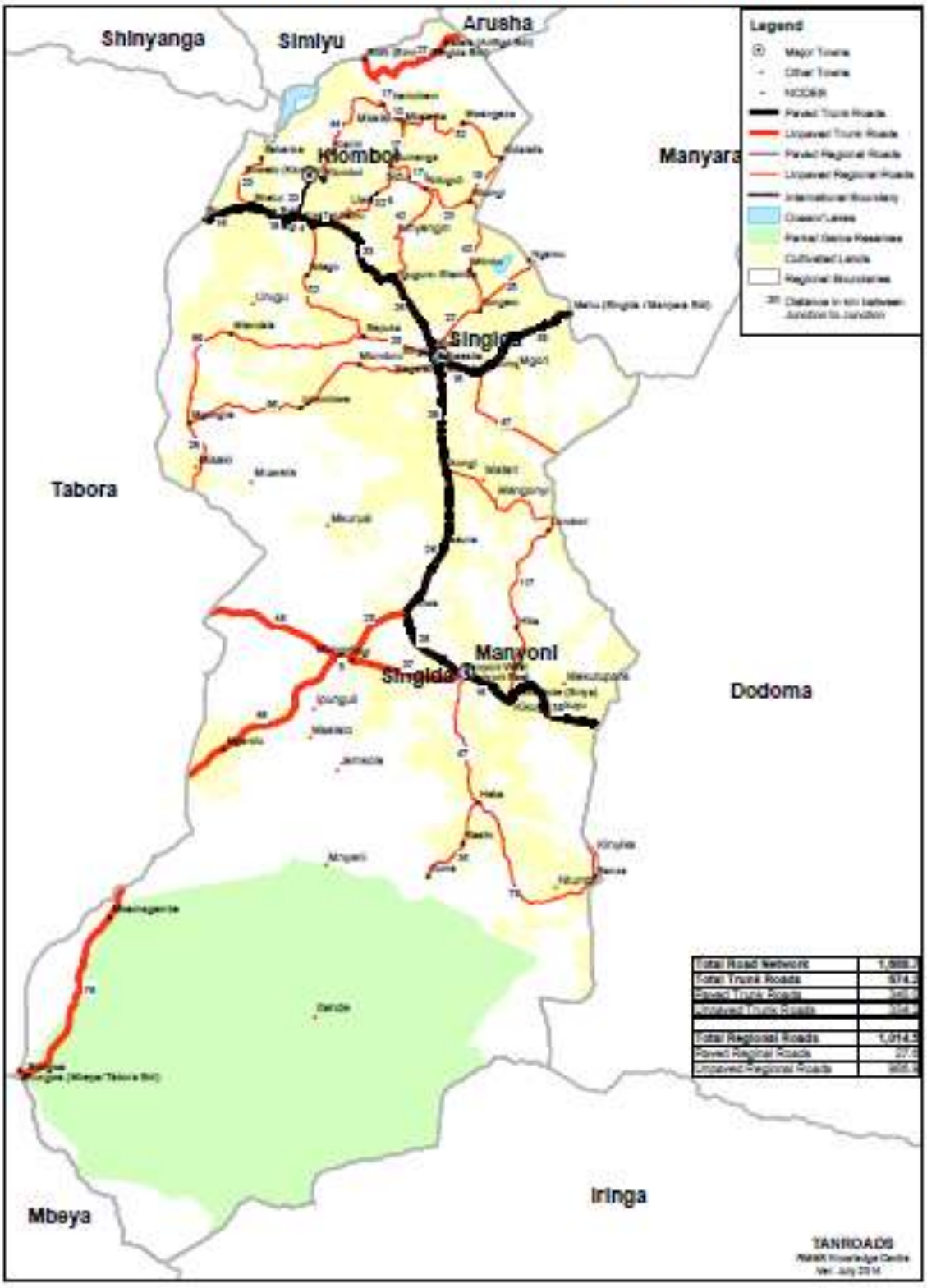

RUVUMA REGION ROADS NETWORK
Total Road Network 2,141.1
Total Trunk Roads 525.1
Paved Trunk Roads 332.5
Unpaved Trunk Roads 592.6
Total Regional Roads 1,216.0
Paved Regional Roads 12.9
Unpaved Regional Roads 1203.1
Legend
Major Towns
Other Towns
NODES
Paved Trunk Roads
Unpaved Trunk Roads
Paved Regional Roads
Unpaved Regional Roads
International Boundary
Ocean/ Lakes
Parks/ Game Reserves
Cultivated Lands
Regional Boundaries
Distance in km between Junction to Junction
Njombe
Lindi
Songea
Ruvuma
Mbinga
Tunduru
Mtwara
Lake Nyasa
MOZAMBIQUE
TANROADS

SHINYANGA REGION ROADS NETWORK



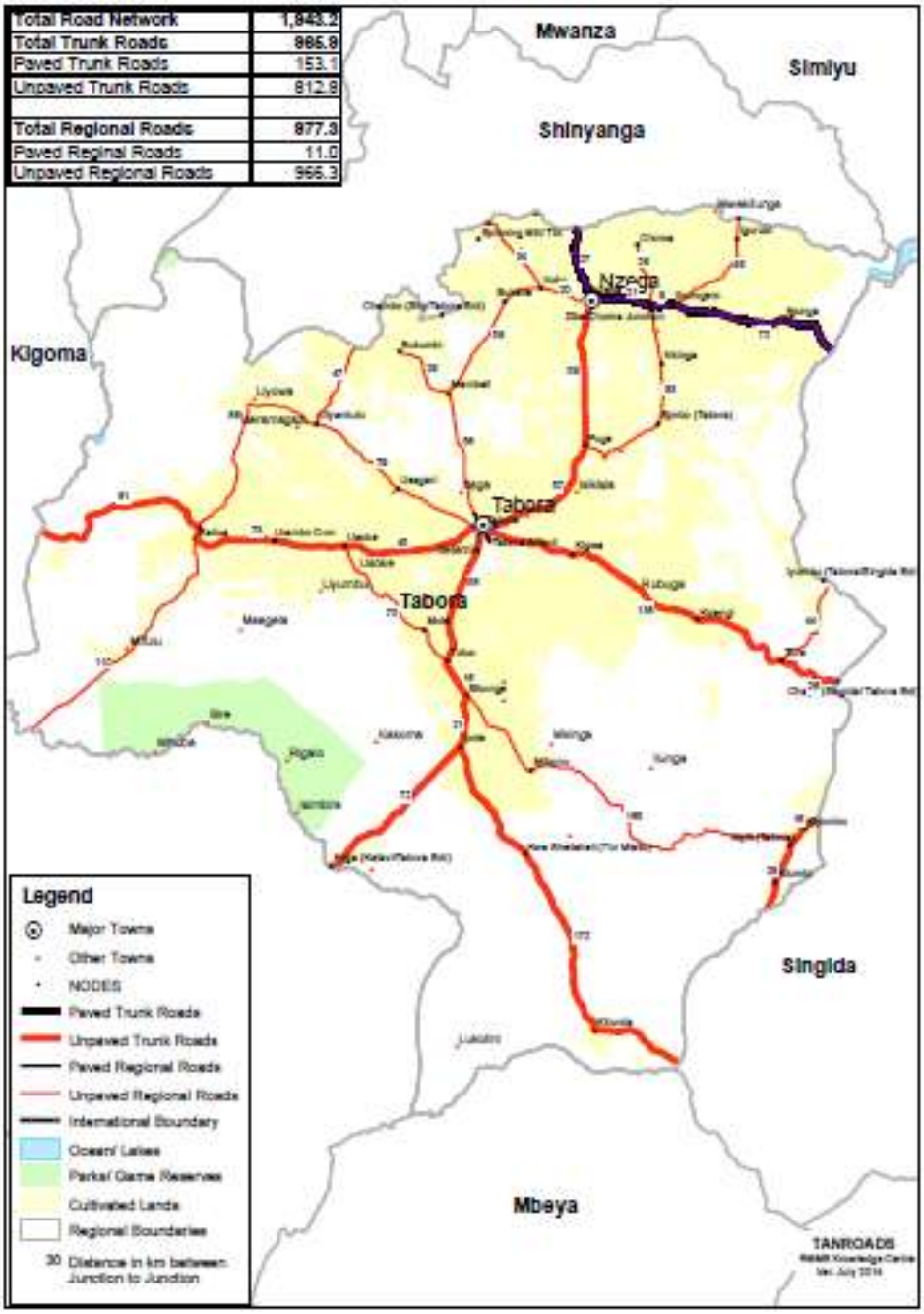
Total Road Network	**973.6**
Total Trunk Roads	**278.3**
Paved Trunk Roads	209.2
Unpaved Trunk Roads	69.1
Total Regional Roads	**695.2**
Paved Reginal Roads	14.4
Unpaved Regional Roads	680.9

SINGIDA REGION ROADS NETWORK



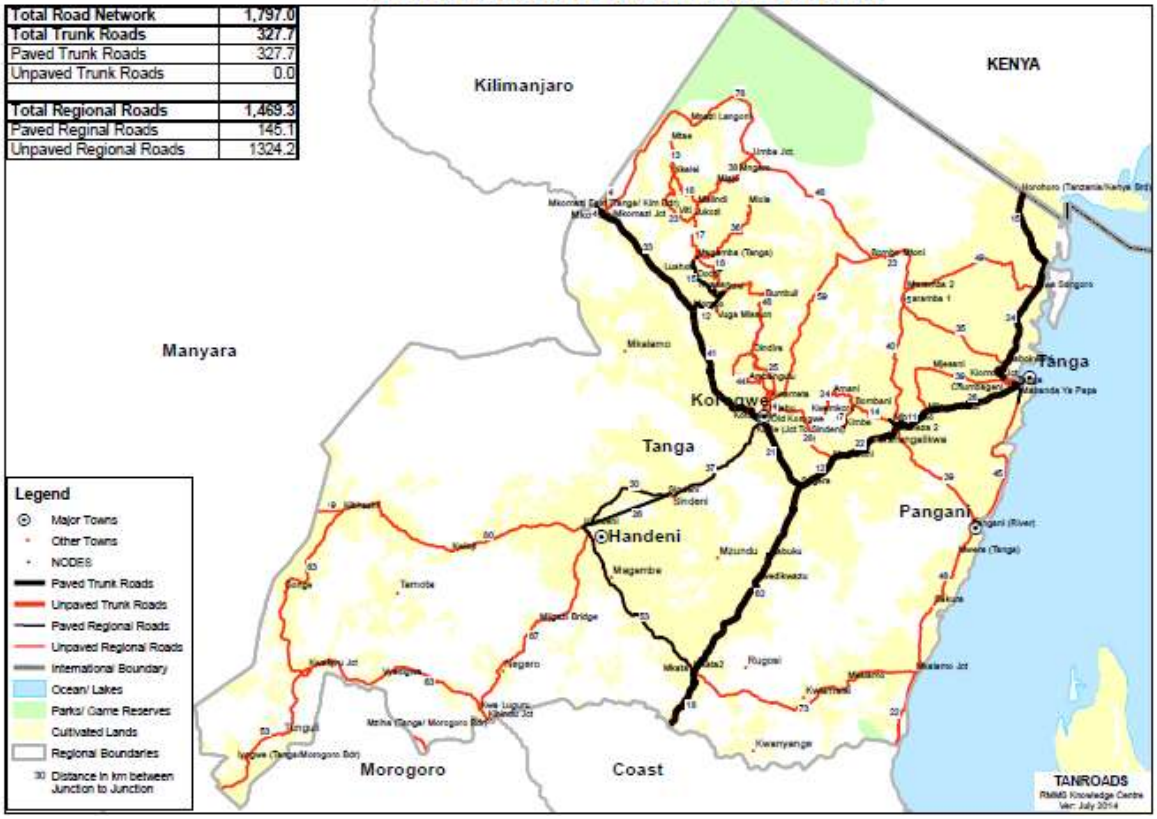
TABORA REGION ROADS NETWORK

Total Road Network	1,843.2
Total Trunk Roads	965.9
Paved Trunk Roads	153.1
Unpaved Trunk Roads	812.8
Total Regional Roads	877.3
Paved Reginal Roads	11.0
Unpaved Regional Roads	866.3

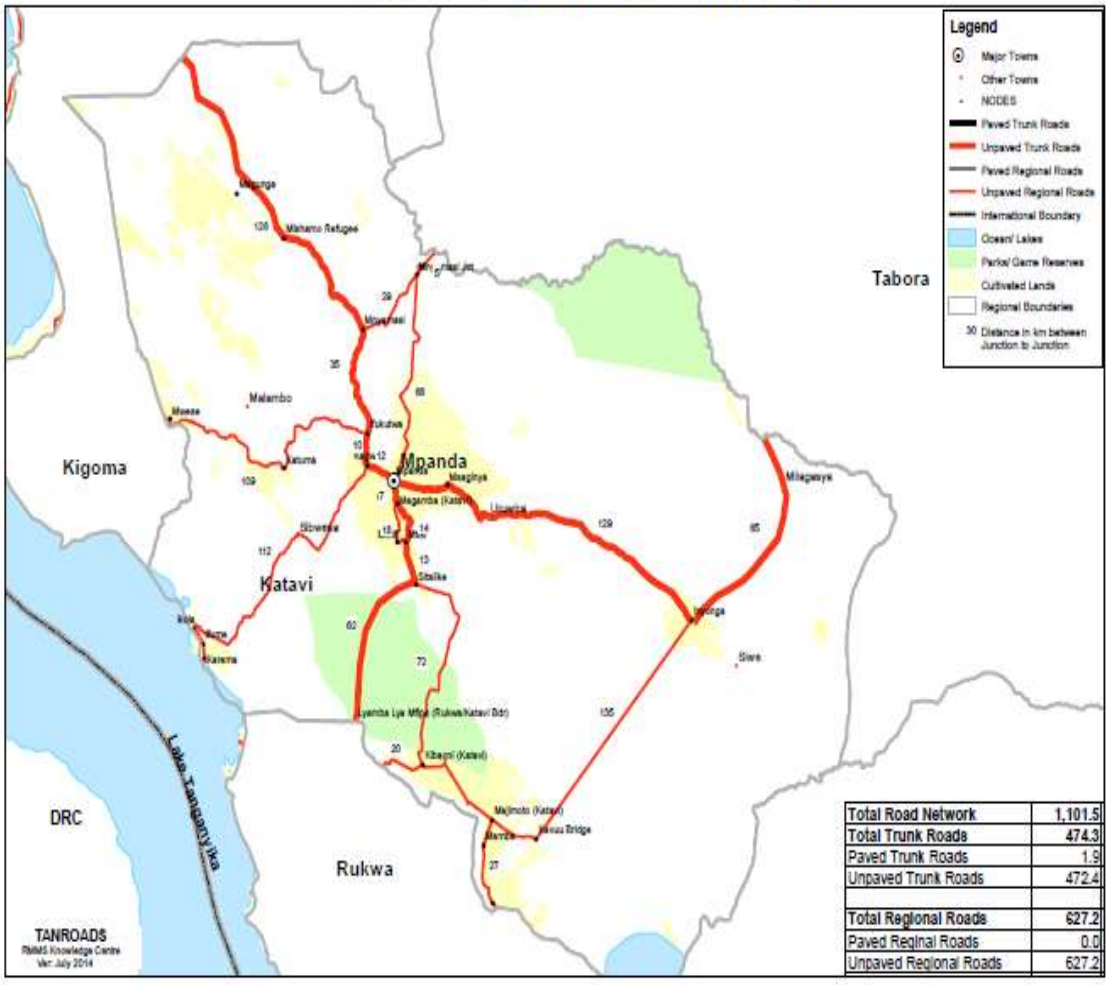


TANGA REGION ROADS NETWORK

Total Road Network	1,797.0
Total Trunk Roads	327.7
Paved Trunk Roads	327.7
Unpaved Trunk Roads	0.0
Total Regional Roads	1,469.3
Paved Reginal Roads	145.1
Unpaved Regional Roads	1324.2

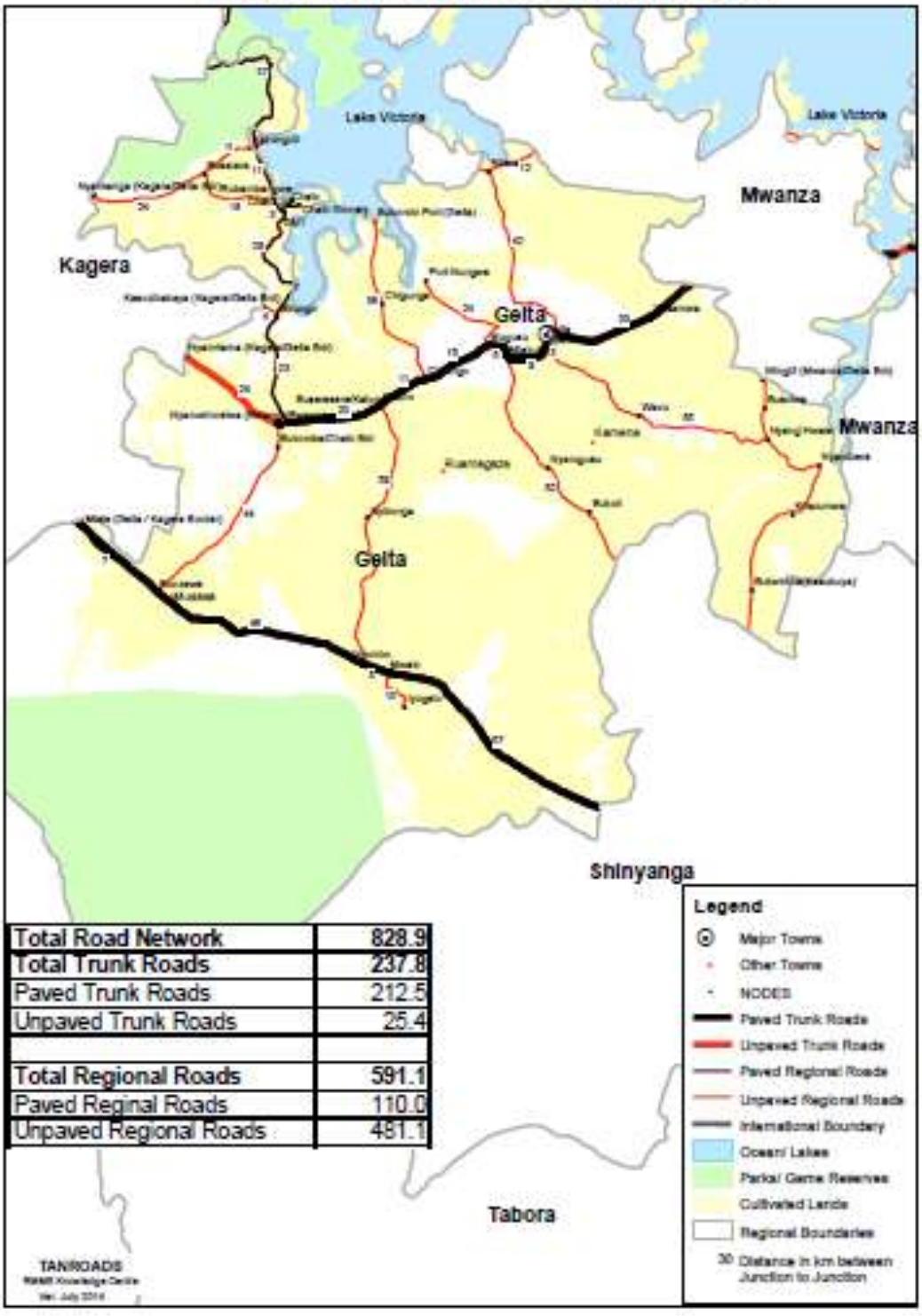


KATAVI REGION ROADS NETWORK



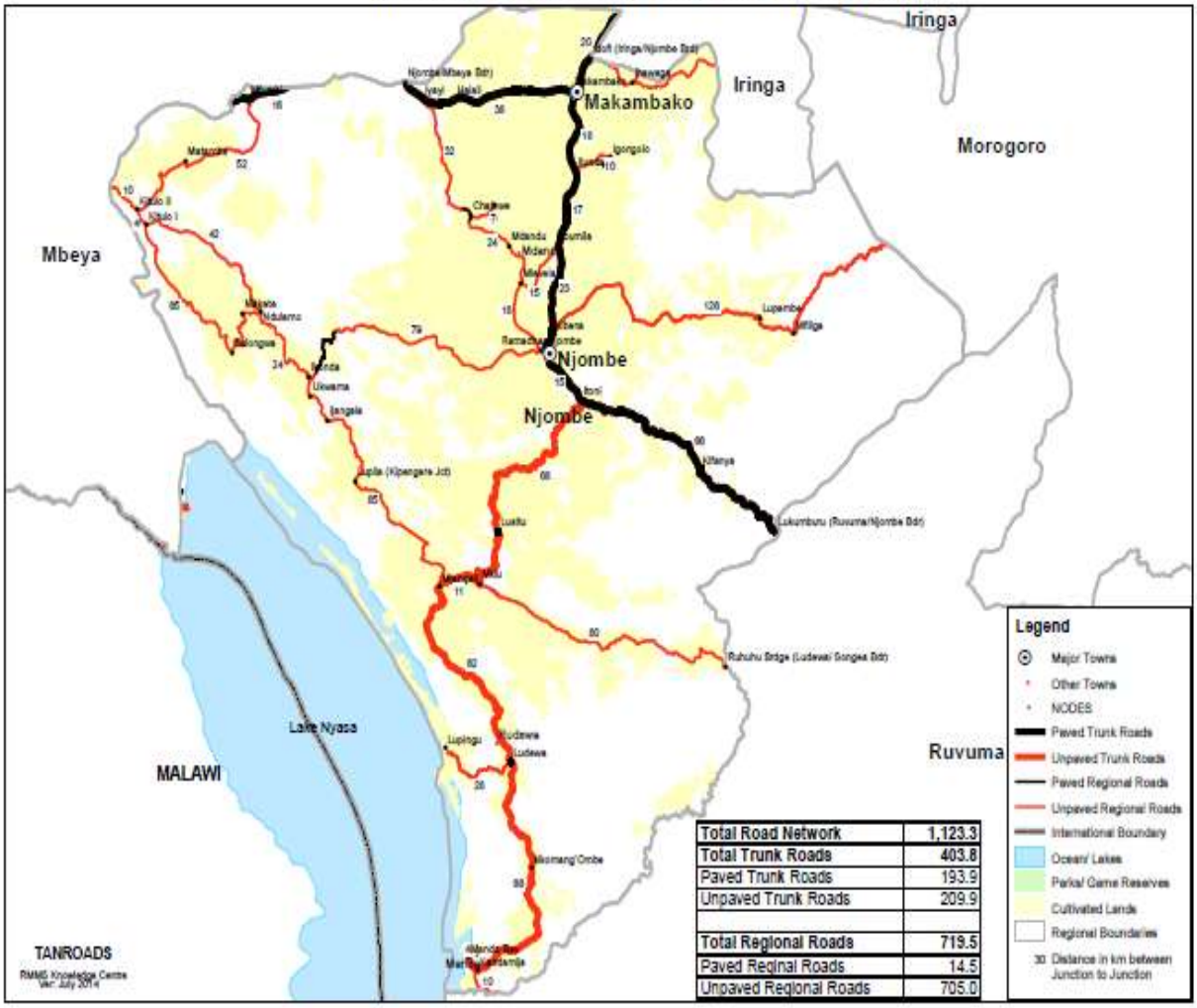
Total Road Network	1,101.5
Total Trunk Roads	474.3
Paved Trunk Roads	1.9
Unpaved Trunk Roads	472.4
Total Regional Roads	627.2
Paved Reginal Roads	0.0
Unpaved Regional Roads	627.2

GEITA REGION ROADS NETWORK



Total Road Network	828.9
Total Trunk Roads	237.8
Paved Trunk Roads	212.5
Unpaved Trunk Roads	25.4
Total Regional Roads	591.1
Paved Reginal Roads	110.0
Unpaved Regional Roads	481.1

NJOMBE REGION ROADS NETWORK



Total Road Network	1,123.3
Total Trunk Roads	403.8
Paved Trunk Roads	193.9
Unpaved Trunk Roads	209.9
Total Regional Roads	719.5
Paved Reginal Roads	14.5
Unpaved Regional Roads	705.0

SIMIYU REGION ROADS NETWORK