



Annual InfoComm and Transport Statistical Bulletin

(5th Edition, March 2014)



Ministry of Information and Communications

Royal Government of Bhutan

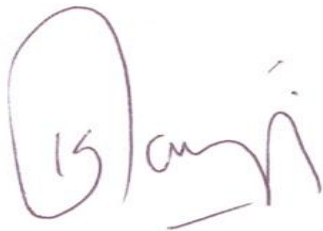
FORWARD

The Ministry of Information and Communications (MoIC) is pleased to publish the fifth edition of the Annual InfoComm and Transport Statistical Bulletin 2014. The data and other information provided in this Bulletin pertain to the year 2013.

This Bulletin provides statistical information and related data on ICT, Media, Postal, Surface Transport and Civil Aviation sectors in the country. The information has been compiled from various sources and MoIC wishes to thank all the agencies for their cooperation. It has been formatted for easy understanding and the information may be used freely. Every effort has been made to ensure consistency of the data with the Statistical Yearbook of Bhutan and other similar publications.

For easier, wider and better access to information provided in this bulletin, MoIC is posting this publication online with no printed copies. As usual, MoIC welcomes feedback and suggestions on the content, structure or design of this bulletin from our partner agencies and users.

TASHI DELEK.



Kinley Dorji

Secretary

Ministry of Information and Communications

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I. About the Annual InfoComm and Transport Statistical Bulletin

The Annual InfoComm and Transport Statistical Bulletin, fifth in series after the establishment of the Ministry of Information & Communications (MoIC) in 2003, is aimed at disseminating up-to date information covering ICT, Media, Postal and Transport sector i.e. Civil Aviation and Surface Transport sectors.

The data(s) in this report were collected and compiled by the Policy and Planning Division of MoIC with support from the Departments/Corporations/Private sector agencies such as the Department of Information Technology & Telecom (DITT), Department of Information & Media (DoIM), Department of Civil Aviation (DCA), Road Safety & Transport Authority (RSTA), Bhutan Telecom Limited (BTL), Tashi Info-Comm. Limited (TICL), Druk Air Corporation, Tashi Air, Traffic Division of the Royal Bhutan Police, Bhutan InfoComm and Media Authority (BICMA), Bhutan Postal Corporation, Bhutan Broadcasting Service Corporation Limited, etc as the direct source of these information concerning their respective areas.

The information bulletin has been prepared based on 2013 data collected until December 2013, and therefore, valid as of that year. Although, attempt has also been made to provide detailed statistical information keeping most parameters into account, MoIC will continue its endeavor to improve and include missing or inadequate information in subsequent publications.

This bulletin is divided into two chapters. Chapter one provides information on Information Society broadly dealing with ICT, Media and Postal sectors. Chapter two deals with Transport sector focusing on Civil Aviation and Surface Transport activities.

It is hoped that the information provided in this publication will prove useful for use by Government agencies, general public, development partners, training institutions and students alike.

II. Summary of MoIC Indicators

Sector	Data (as of December 2013)
ICT:	
➤ Internet subscribers ¹	251,441(133,289 in 2012)- 88.6% increase
➤ Fixed Line telephone subscribers	26,485 (27,005 in 2012) –1.9% decrease
➤ Number of Dzongkhags HQ's with Fixed Line connections and access to Mobile Services	All 20 Dzongkhags
➤ Mobile Cellular subscribers	544,337 (560,890 in 2012) –2.95% decrease ²
➤ Number of Geog HQ's with access to Mobile network	All 205 Geogs
➤ Number of Community Centers	185 (63 CCs are connected with internet)
➤ % of population availing Mobile services	74.3% (77.8% in 2012)- 4.5% decrease
Media:	
➤ Television Stations	1 (BBS Channel 1 & 2)
➤ Radio Stations	7 (including Sherubtse FM): New Dzongkha radio channel launched by BBS on 21/02/2013
➤ Number of Newspapers	12 (3 daily, 8 weekly/bi-weekly, 1 online)
➤ Number of cable television operators	63 (58 ³ in 2012)

¹ Internet subscribers here refer to those household/offices/individuals connected by Fixed Broadband, GPRS/EDGE/3G/4G and Lease line only. The figure does not take into account the actual number of internet users via their Offices, community centers, Internet Cafes.

² Reasons for decrease despite more villages covered by mobile services, may be due to construction workers leaving Bhutan with construction activities, subscribers cancelling double SIM cards, operators cancelling inactive subscribers

³ Source Media Impact Study

Surface Transport:	
➤ Vehicle Number	67,926 (67,449 in 2012) – 0.71% increase
➤ Number of Taxis	5,191 (5,354 in 2012) – 3.04% decrease
➤ Number of Motor Vehicle Crashes	1,023 (1,350 in 2012) – 24.22% decrease
➤ Number of deaths due to vehicle crashes	59 (96 in 2012) – 38.54% decrease
➤ Number of injuries due to vehicle crashes	601 (611 in 2012) – 1.64% decrease
➤ Passenger flow from June 2012- July 2013	986,139 (1,010,924 in 2011-2012)- 2.5% decrease
Aviation:	
➤ Domestic Airports ⁴	3
➤ International Airport	1
➤ No. of Airlines operating domestic routes ⁵	2
➤ No. of Airlines operating international routes	2
➤ International air services ⁶	10 routes in five countries
➤ No. of Air Passengers (international route)	213,995 (181,427 in 2012)- 17.95% increase
➤ No. of Air Passengers (domestic route)	2,725 (881 in 2012)- 209% increase

⁴ Scheduled services to Gelephu and Yonphula domestic airports are currently suspended for further up-gradation

⁵ Bhutan Airlines, a subsidiary of Tashi Air Private Ltd has suspended domestic air service since May 2013

⁶ Air services to Yangon in Myanmar currently suspended

Chapter 1- Information Society

This Chapter deals with basic information relating to the Information Society such as Telecommunication services, Internet, ICT in general, Postal and the Media.

1.1. ICT and Telecommunication Development

Bhutan Telecom Limited (BTL), Tashi InfoComm Limited (TICL), Samden Tech and Drukcom are the four Internet Service Providers (ISPs) in the country. Bhutan Telecom Limited is the sole provider of fixed-line telecommunication services while cellular mobile services are provided by B-Mobile (Bhutan Telecom Limited) and Tashi-Cell. With the exception of Bhutan Telecom, all other ISPs are private sector ventures.

Table 1.1: Key ICT indicators- as of December, 2013

Sl. No.	Indicators	Number
1	Fixed line subscribers	26,485
2	Cellular mobile subscribers	544,337
3	Internet subscribers ⁷ :	251,441
	i. Lease line subscribers	403
	ii. Fixed Broadband subscribers, of which:	20,481
	a. ADSL subscribers	20278
	b. Fiber optic subscribers	203
	iii. GPRS/EDGE subscribers	112,898
	iv. Mobile broadband subscribers, of which:	117,659
	a. 4G subscribers	110 (not fully active)
	b. 3G subscribers	117549
4	No. of Dzongkhags with 4G connections	1 ⁸
5	No. of Dzongkhags with 3G connections	15 ⁹
6	No. of Geogs with access to mobile services	All 205 Geogs
7	No. of Dzongkhags head-offices with fixed line and mobile services	All 20 Dzongkhags
8	No. of community centers	185 (63 CCs are connected with internet)

⁷ Dial up internet connection discontinued by all ISP providers

⁸ 4G available only around Thimphu DHI Office area in Motithang and Bhutan Telecom office in Chubachu

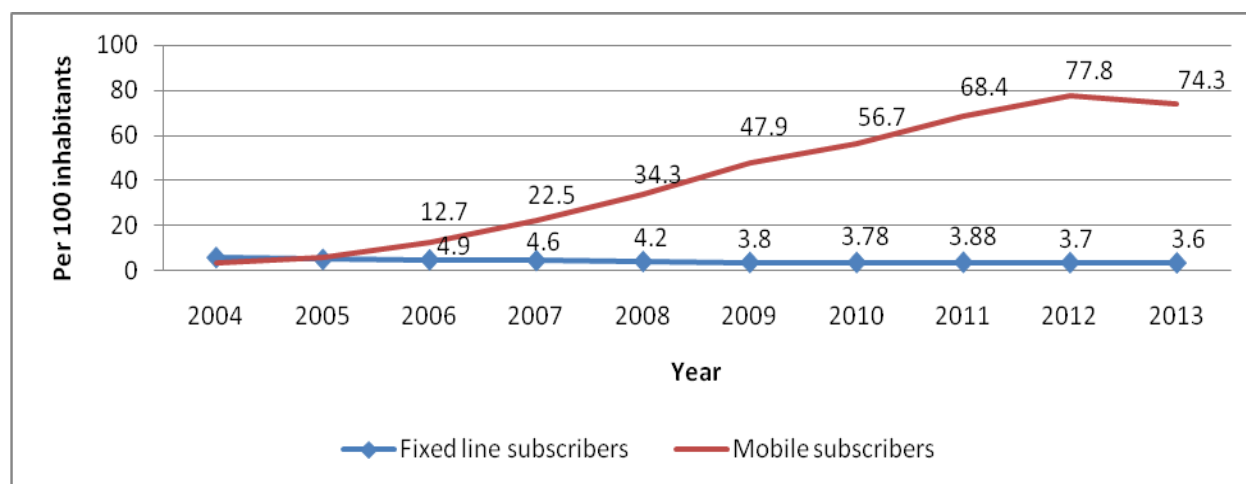
⁹ Only few areas under this 15 Dzongkhags are effectively covered

1.2. ICT uptake in Bhutan

Information & Communication Technology (ICT) broadly refers to telecommunication (fixed-line and cellular mobile) and internet services. Over the past one year, ICT uptake in the country has continued to grow. While mobile cellular penetration rate continues to be remarkable, it did experience a decrease of 2.9% in the total number of subscribers compared to 2012 as explained in the relevant section below. According to the latest International Telecommunication Union (ITU) publication¹⁰, global average mobile subscription per 100 inhabitants is estimated to be 96.2 while it is 74.3 in Bhutan.

On the other hand, with technology advancement and various modes to access internet, the number of Internet subscribers has increased by 88.64% compared to 2012. Since its introduction, Mobile broadband (3G+4G¹¹) subscribers have been increasing at a rapid speed. In 2013, Mobile broadband subscribers' base rose by 529%. According to ITU estimates, there are 29.5 and 19.8 mobile broadband subscribers per 100 inhabitants at the world stage and developing countries respectively. For the same period, Bhutan's mobile broadband of 16 subscribers per 100 inhabitants is very close to the developing countries average. In contrast however, fixed-line user base is declining steadily in Bhutan and the world at large. ITU estimates the world average fixed-line subscribers of 16.5 per 100 inhabitants against 3.6 in case of Bhutan. Comparisons of various ICT/Telecommunications indicators are shown below:

Chart 1.1: Showing mobile and fixed- line penetration rate, 2004-2013

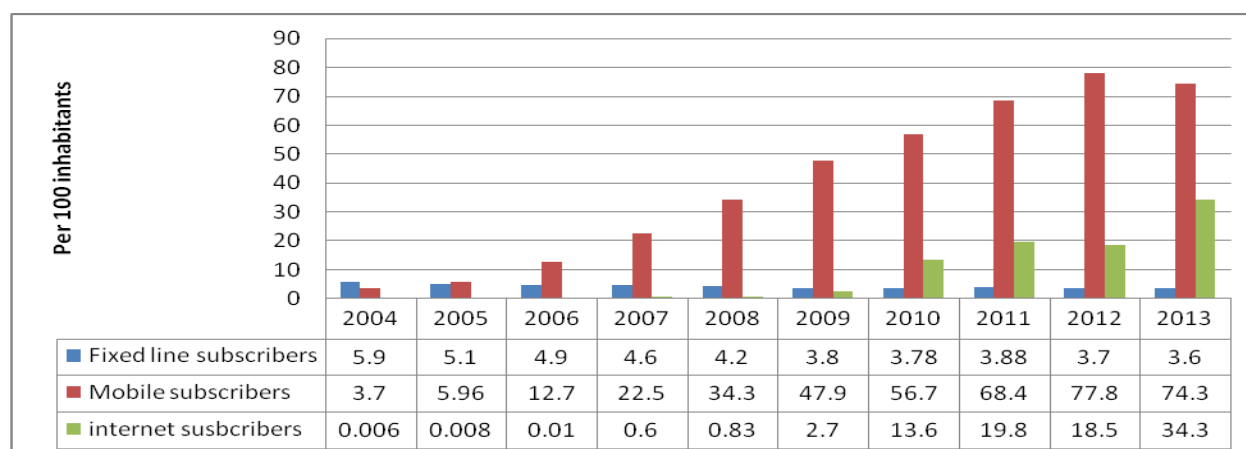


Source: Bhutan Telecom, Tashi-Cell

¹⁰ International Telecommunication Union's Measuring the Information Society, 2013 publication

¹¹ 4G was introduced in the later part of 2013

Chart 1.2: Telecommunication/ICT penetration in Bhutan, 2004-2013



Source: Bhutan Telecom, Tashi-Cell, BICMA

Table 1.2: Showing total ICT/Telecommunication subscribers and subscribers per 100 inhabitants

Year	Fixed line subscribers		Internet subscribers ¹²		Mobile cellular subscribers	
	Total subscribers	Per 100 inhabitants	Total subscribers	Per 100 inhabitants	Total subscribers	Per 100 inhabitants
2004	30,285	5.9	35	0.006	18,995	3.7
2005	32,709	5.1	48	0.008	37,842	5.96
2006	31,526	4.9	61	0.01	82,078	12.7
2007	30,279	4.6	4,040	0.6	148,179	22.5
2008	27,937	4.2	5,548	0.83	228,347	34.3
2009	26,348	3.8	18,542	2.7	327,052	47.9
2010	26,292	3.78	94,285	13.6	394,316	56.7
2011	27,490	3.88	139,896	19.8	484,189	68.4
2012	27,005	3.7	133,289	18.5	560,890	77.8
2013	26,485	3.6	251,441	34.3	544,337	74.3

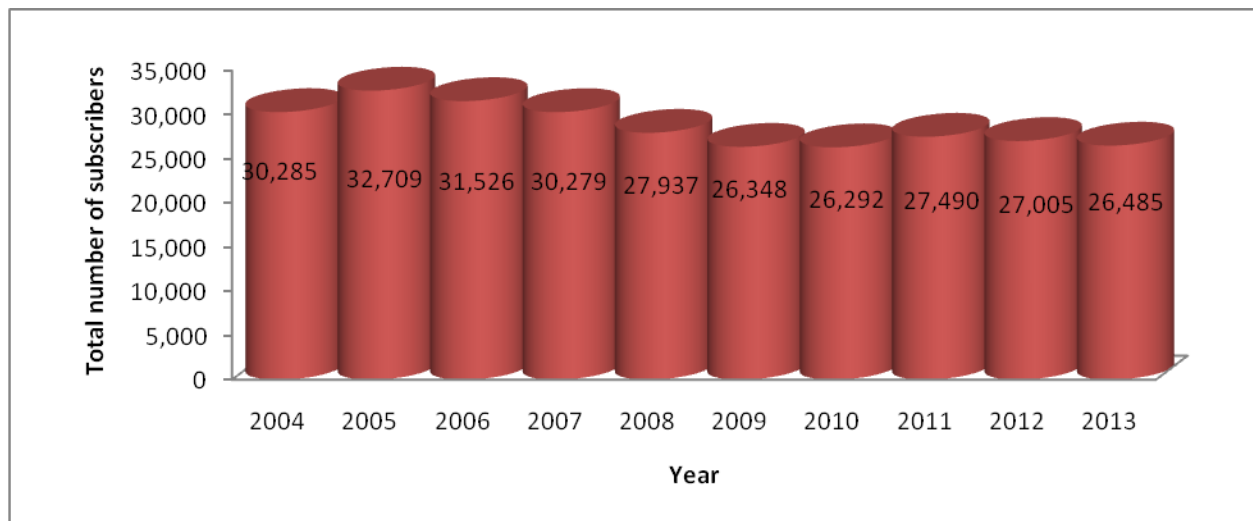
Source: Bhutan Telecom, Tashi-Cell, BICMA

¹² Internet subscribers refer to the number of registered individuals, households, corporate houses and government offices connected with internet by any modem and not the actual number of people using internet from any source mentioned above or other sources.

1.3. Fixed-Line Telephony:

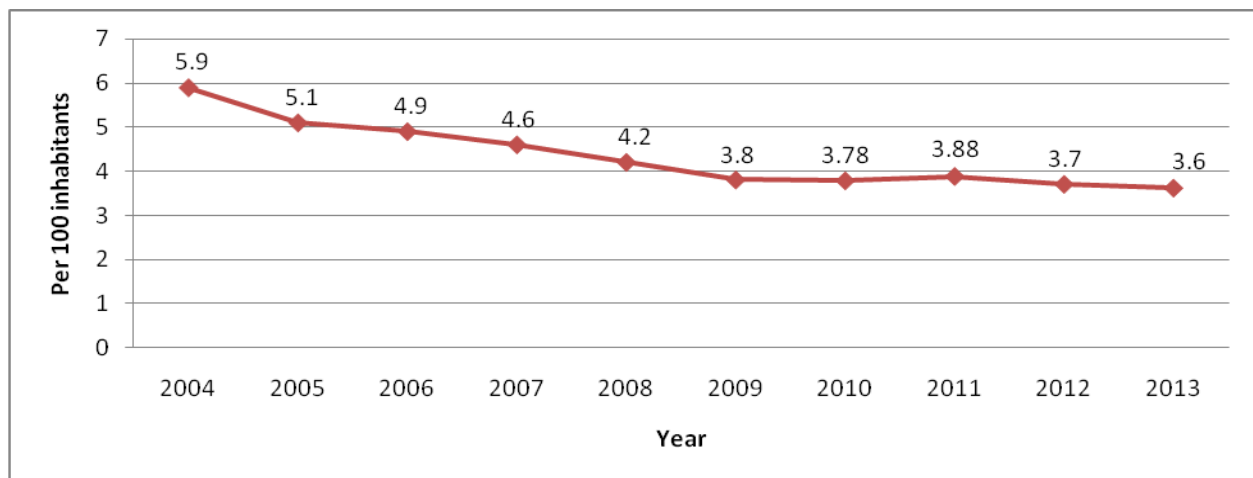
All countries in the world are experiencing decline in Fixed-line subscriptions¹³ and Bhutan is no different. Fixed-line subscription peaked in 2005 with 32,700 subscribers, but since then the number of subscribers kept declining with the number reaching 26,485 by December, 2013.

Chart 1.3: Showing fixed-line subscribers trend, 2004-2013



Source: Bhutan Telecom

Chart 1.4: Showing fixed-line subscribers per 100 inhabitants, 2004-2013



Source: Bhutan Telecom

¹³ Based on Information Society publication published by ITU

Table 1.3: Showing detailed Fixed-line subscribers, by Month, Dzongkhags and Telephone Exchange, 2013

Dzongkhag/Telephone Exchange	Months											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Bumthang Dzongkhag												
Jakar RLU	563	557	573	563	584	575	569	552	553	552	554	560
Chumey SAU	165	165	167	168	167	167	167	167	134	147	150	152
Total Connections	728	722	740	731	751	742	736	719	687	699	704	712
Chukha Dzongkha												
Phuntsholing NEC	2690	2701	2678	2698	2695	2694	2669	2670	2651	2637	2617	2607
Sinckekha SAU	135	134	122	122	120	121	120	120	122	121	121	121
Pasakha SAU	147	147	146	146	144	144	141	141	142	142	142	142
Gedu SAU	344	340	348	347	346	265	264	267	282	283	279	272
Tshimasham SAU	270	273	293	298	304	307	306	309	318	317	315	310
Chukha SAU	181	185	191	184	187	186	187	187	181	183	174	179
Chapcha SAU	31	26	31	33	34	33	32	32	34	32	31	31
Total Connections	3798	3806	3809	3828	3830	3750	3719	3726	3730	3715	3679	3662
Dagana Dzongkhag												
Dagana SAU (Gelephu)	109	109	109	109	110	108	108	113	113	113	113	117
Drujegang SAU (Gelephu)	24	25	24	34	38	38	38	38	39	48	39	40
Dagapela SAU (Gelephu)	46	46	47	47	48	44	46	46	48	46	48	51
Dagana CORVAN	11	12	11	12	0	0	0	0	0	0	0	0
Total Connections	190	192	191	202	196	190	192	197	200	207	200	208
Gasa Dzongkhag												
Gasa SAU	12	12	16	20	25	30	30	31	31	32	30	30
Damji SAU	17	17	17	17	18	18	18	18	18	18	18	17
Lunana	2	2	2	2	2	2	2	2	2	2	2	2
Laya epost	1	1	1	1	1	1	1	1	1	1	1	1
Total Connections	32	32	36	40	46	51	51	52	52	53	51	50
Haa Dzongkhag												
Haa RLU	391	336	351	351	348	353	352	356	356	350	347	342
Damthang SAU (Paro base)	38	38	38	39	45	45	46	46	47	47	47	48
Jengkana SAU(Paro base)	13	15	15	15	15	15	15	14	14	13	12	12

Sombekha Epost	1	1	1	1	1	1	1	1	1	1	1	1
Total Connections	443	390	405	406	409	414	414	417	418	411	407	403
Lhuntse Dzongkhag												
Lhuntse SAU	113	107	113	111	112	114	105	108	112	110	109	108
Total Connections	113	107	113	111	112	114	105	108	112	110	109	108
Mongar Dzongkhag												
Mongar CSN	555	529	553	530	552	529	532	537	557	547	513	502
Gepshing SAU	228	216	227	219	243	240	238	233	244	245	232	231
Mongar corVAN (Kanglung base)	95	83	83	80	80	77	75	61	64	63	59	60
Total Connections	878	828	863	829	875	846	845	831	865	855	804	793
Paro Dzongkhag												
Paro NEC	1529	1561	1521	1602	1632	1651	1620	1624	1640	1650	1658	1585
Paro corVAN100	94	91	91	84	81	81	77	73	71	67	67	67
Satsam SAU	249	251	250	255	256	256	256	256	257	258	258	258
Total Connections	1872	1903	1862	1941	1969	1988	1953	1953	1968	1975	1983	1910
Pema Gatshel Dzongkhag												
Pema Gatshel SAU	285	278	287	281	282	282	268	276	275	264	269	265
Total Connections	285	278	287	281	282	282	268	276	275	264	269	265
Punakha Dzongkhag												
Punakha RLU	429	435	448	422	434	437	431	442	439	442	438	440
Lobesa SAU	192	196	198	197	197	208	207	208	210	210	210	210
Total Connections	621	631	646	619	631	645	638	650	649	652	648	650
Sarpang Dzongkhag												
Gelephu NEC	977	939	947	963	949	981	951	942	958	944	984	959
Bhur SAU	1	1	4	7	7	7	7	7	14	15	15	15
Sarpang RLU	281	290	279	291	300	296	291	303	314	315	305	303
Surey DVM	13	13	15	19	19	19	19	18	18	18	17	17
Gelephu corDECT	21	30	28	27	26	25	25	18	0	0	0	0
Total Connections	1293	1273	1273	1307	1301	1328	1293	1288	1304	1292	1321	1294

Samtse Dzongkha												
Samtse NEC	452	456	468	481	486	496	486	493	499	499	496	499
Samtse corVAN	25	24	23	24	17	16	0	0	0	0	0	0
Gomtu SAU	199	201	208	200	208	210	200	199	199	203	191	192
Sipsu SAU	74	75	76	72	81	83	75	70	70	69	70	73
Total Connections	750	756	775	777	792	805	761	762	768	771	757	764
Samdrupjongkhar Dzongkhag												
Samdrupjongkhar CSN	700	652	686	662	684	678	674	670	688	670	677	662
S/jongkhar corVAN	181	180	180	102	102	102	72	70	80	68	65	61
Deothang SAU	149	143	154	148	151	155	150	150	152	149	150	140
Nganglam SAU	144	132	151	156	166	172	162	162	161	161	157	153
Tshenkhar SAU	26	25	26	26	26	24	24	24	25	26	44	44
Jomo Tshangkha SAU	49	45	53	51	53	54	51	50	46	48	52	52
Total Connections	1249	1177	1250	1145	1182	1185	1133	1126	1152	1122	1145	1112
Thimphu Dzongkhag												
Thimphu NEC	8883	8540	8666	8631	8664	8718	8791	8799	8741	8703	8666	8476
Simtokha ELU	522	484	507	609	622	625	608	641	610	611	623	608
Ngabiphu, RTC (SAU)	37	37	41	44	44	44	44	45	46	52	52	51
Khasadrapchu SAU	195	197	211	216	218	218	218	222	225	226	227	231
Dechencholing ELU	433	403	410	413	404	410	421	445	433	442	441	438
Thimphu corVAN100	98	98	96	96	94	94	92	89	89	88	88	88
Thimphu FTTC	777	784	799	808	823	830	838	822	825	850	852	853
Total Connections	10945	10543	10730	10817	10869	10939	11012	11063	10969	10972	10949	10745
Trongsa Dzongkhag												
Trongsa NEC	372	365	365	367	373	376	375	385	384	413	412	414
Trongsa corVAN	202	206	200	163	163	163	163	163	163	156	150	152
Bubja SAU	21	21	21	24	24	25	25	25	25	25	25	25
Tshangkha	34	33	36	38	39	39	41	42	38	39	39	38
Tashidenkha	8	8	8	8	8	8	8	8	8	8	8	8
Chendebeji	8	7	7	7	7	7	7	7	7	7	7	7
Total Connections	645	640	637	607	614	618	619	630	625	648	641	644
Trashigang Dzongkhag												
Kanglung (E10)	219	202	241	229	243	216	249	215	223	218	208	177

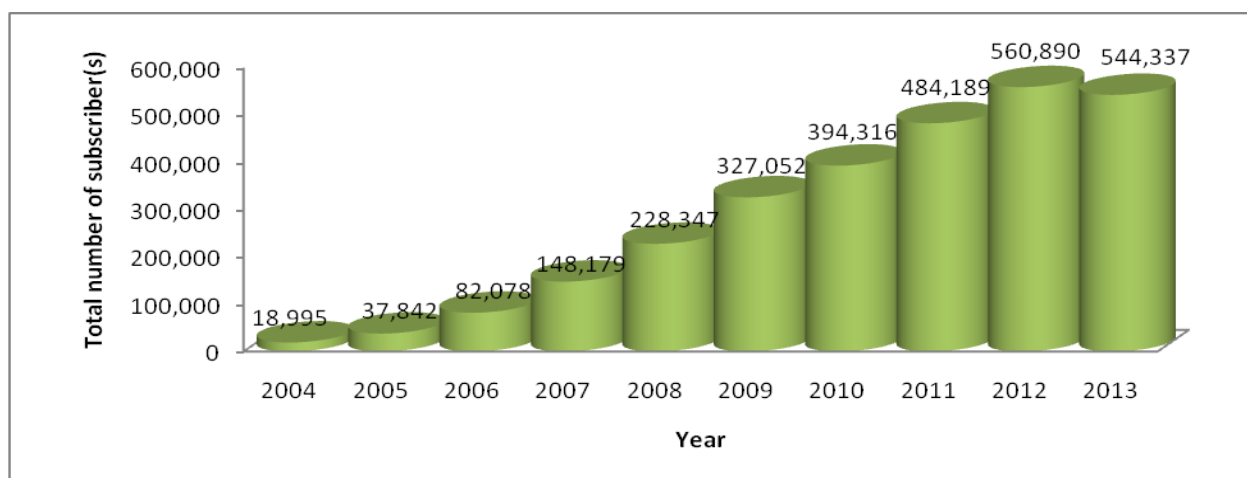
Trashigang SAU	325	307	324	306	318	309	298	313	334	322	311	305
Kanglung (corVAN)	220	151	170	159	160	131	143	119	125	118	105	103
Ranjung SAU	75	68	70	66	74	71	71	70	70	80	78	74
Wamrong SAU	75	71	76	69	72	70	63	62	66	65	62	64
Khaling SAU	40	39	40	35	37	44	40	42	47	46	45	43
Bartsham SAU	30	29	32	31	31	28	27	29	30	31	32	32
Yangphula SAU	29	29	26	22	27	29	30	28	28	28	22	26
Total Connections	1013	896	979	917	962	898	921	878	923	908	863	824
Trashy Yangtse Dzongkhag												
Tashi Yangtse SAU	146	142	157	149	154	159	154	149	151	153	150	140
Total Connections	146	142	157	149	154	159	154	149	151	153	150	140
Tsirang Dzongkhag												
Damphu SAU	343	342	345	342	345	348	348	348	350	350	350	347
Damphu (corVAN)	21	22	17	17	0	0	5	0	0	0	0	0
Total Connections	364	364	362	359	345	348	353	348	350	350	350	347
Wangdue phodrang Dzongkhag												
Wangdue E10	423	422	432	437	429	423	415	412	417	414	414	413
Wangdi V5P	343	342	345	342	344	348	347	347	350	350	350	347
Bajo FTTC	396	397	403	409	417	421	424	431	433	452	455	455
Hebesa SAU	4	4	4	4	4	4	4	4	4	4	4	4
Kamichu SAU	57	63	65	67	67	65	66	69	69	69	88	102
Rurichu SAU	72	72	82	83	82	84	86	86	86	86	86	86
Wangdue corVAN	419	93	94	94	94	95	95	95	94	94	94	94
Total Connections	1714	1393	1425	1436	1437	1440	1437	1444	1453	1469	1491	1501
Zhemgang Dzongkhag												
Zhemgang RLU	233	231	227	230	233	233	239	237	237	233	233	222
Zemgang corDECT	77	69	89	83	80	84	67	64	71	70	70	70
Zemgang corVAN	133	133	120	119	119	112	109	106	95	61	61	61
Total Connections	443	433	436	432	432	429	415	407	403	364	364	353
Grand Total	27522	26506	26976	26934	27189	27171	27019	27024	27054	26990	26885	26485

Source: Bhutan Telecom

1.4. Mobile Cellular Telephony

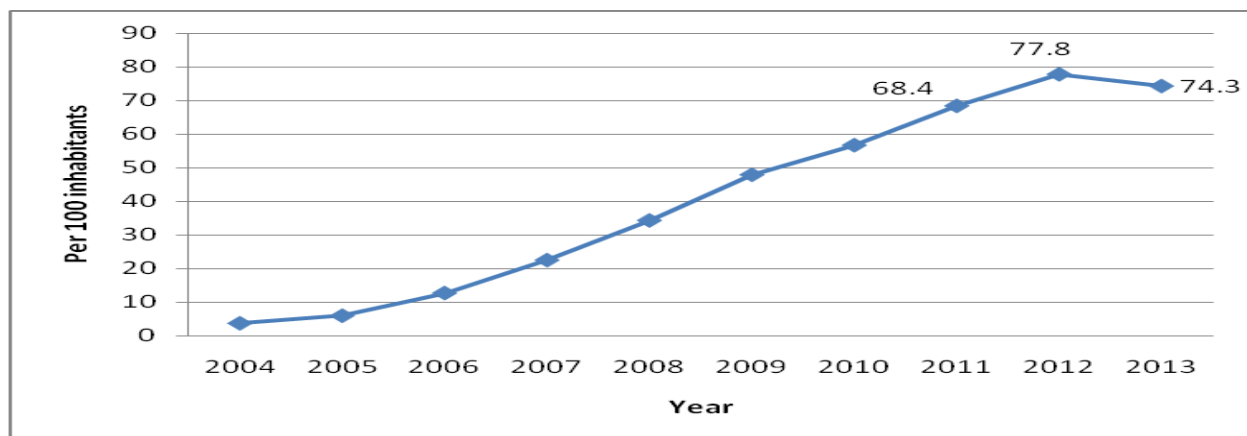
Bhutan Telecom (B-Mobile) and Tashi-Cell (T-Cell) mobile services are now available in all the 20 Dzongkhags. By December 2013, the two operators had a combined subscriber base of 544,337, a decrease of 2.95% from 2012. Of the total mobile cellular subscribers, Bhutan Telecom had 406,353 subscribers (or 74.7% market share) and Tashi-Cell had 137,984 subscribers (or 25.3% market share). For the same period, Bhutan Telecom's market share decreased by 0.5% and Tashi Cell's market share rose by 0.5%. While spatial coverage has improved, the number of subscribers seems to have decreased as proven by the data below. Some of the likely reasons could be due to construction workers leaving Bhutan, subscribers cancelling double SIM cards, operators cancelling inactive subscribers, etc.

Chart 1.5: Showing mobile cellular subscribers, 2004-2013, Bhutan



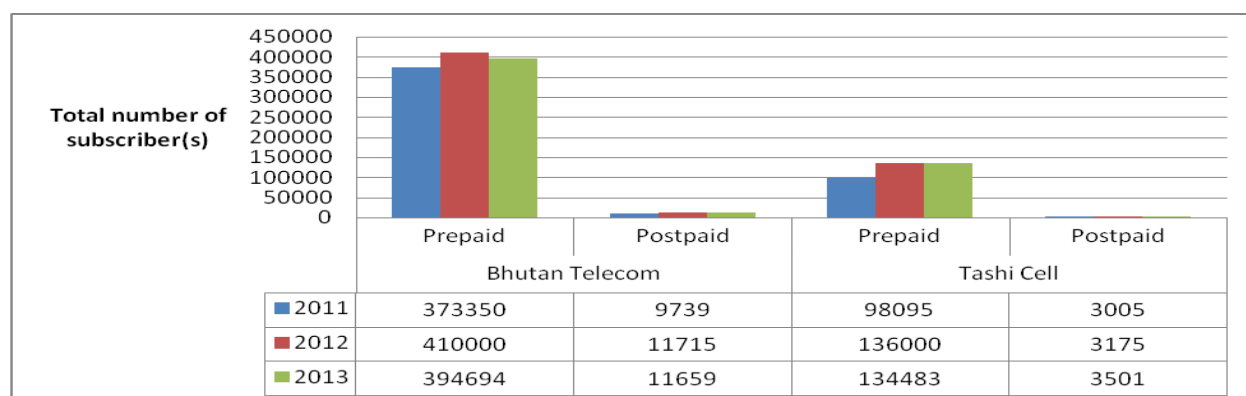
Source: Bhutan Telecom and Tashi-Cell

Chart 1.6: Showing mobile cellular subscribers per 100 inhabitants, 2004-2013



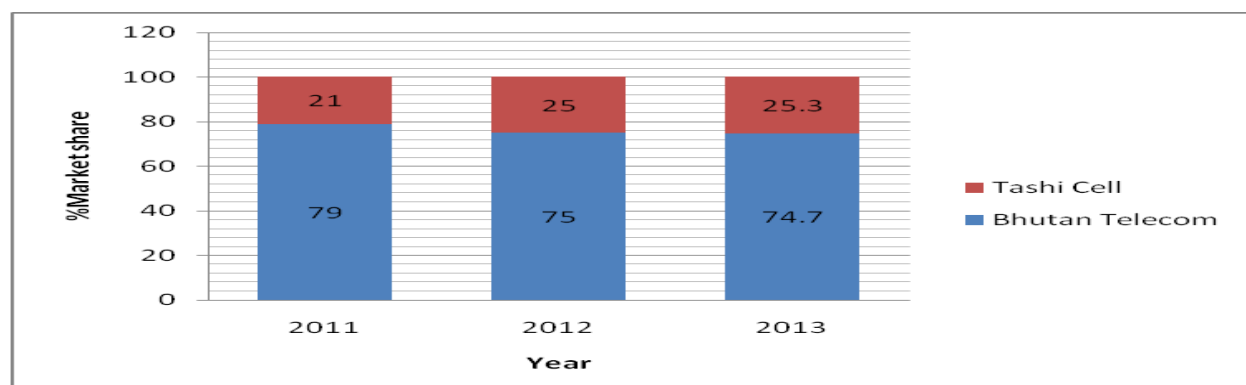
Source: Bhutan Telecom and Tashi-Cell

Chart 1.7: Showing mobile cellular subscribers, by Type and Operator, 2011-2013



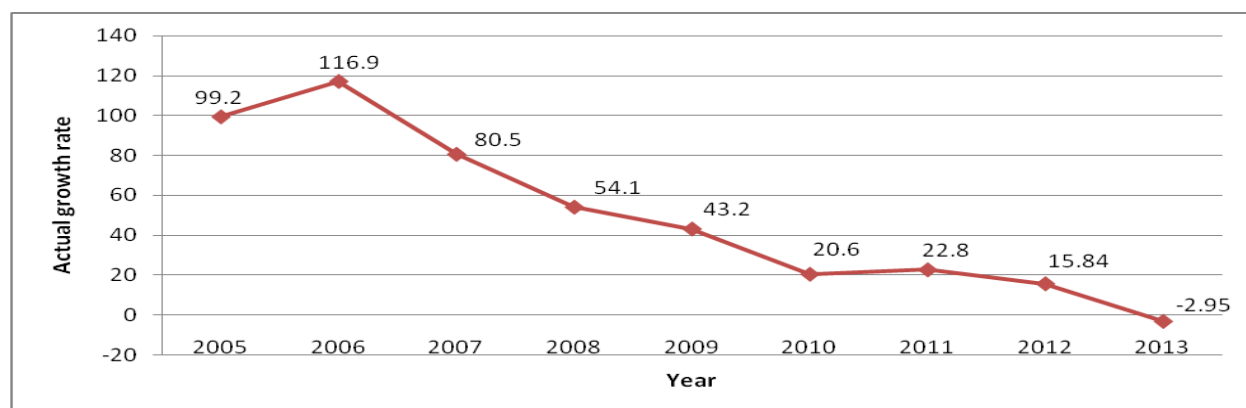
Source: Bhutan Telecom and Tashi-Cell

Chart 1.8: Showing % market share of mobile subscribers, by Operator, 2011-2013



Source: Bhutan Telecom and Tashi-Cell

Chart 1.9: Showing mobile subscriber's actual growth/decrease rate, 2005-2013



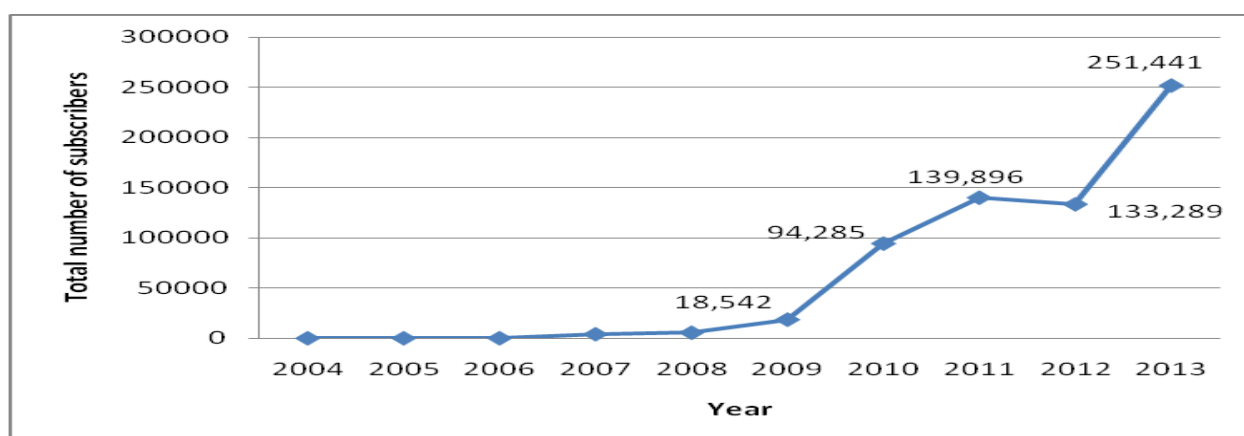
Source: Bhutan Telecom and Tashi-Cell

1.5. Internet Services

Druknet (Bhutan Telecom), Samden Tech, Drukcom and Tashi Cell are the Internet Service Providers (ISP) in the country providing range of internet services as indicated below:

Operators	Type of services provided	Coverage
1. Druknet, Bhutan Telecom Limited	<ul style="list-style-type: none"> Lease line Fixed broadband EDGE/GPRS 3G 4G 	<ul style="list-style-type: none"> Country- wide Selected places 20 Dzongkhags (where mobile services are accessible) 15 Dzongkhags¹⁴ Thimphu only¹⁵
2. Tashi Cell	<ul style="list-style-type: none"> EDGE/GPRS 3G Lease line 	<ul style="list-style-type: none"> 20 Dzongkhags 4 Dzongkhags
3. Samden Tech.	<ul style="list-style-type: none"> Lease line 	<ul style="list-style-type: none"> Thimphu only
4. Drukcom	<ul style="list-style-type: none"> Lease line Broadband (ADSL) 	<ul style="list-style-type: none"> Thimphu only Thimphu only

Chart 1.10: Showing total internet subscribers, on actual subscription basis, 2004-2013¹⁶



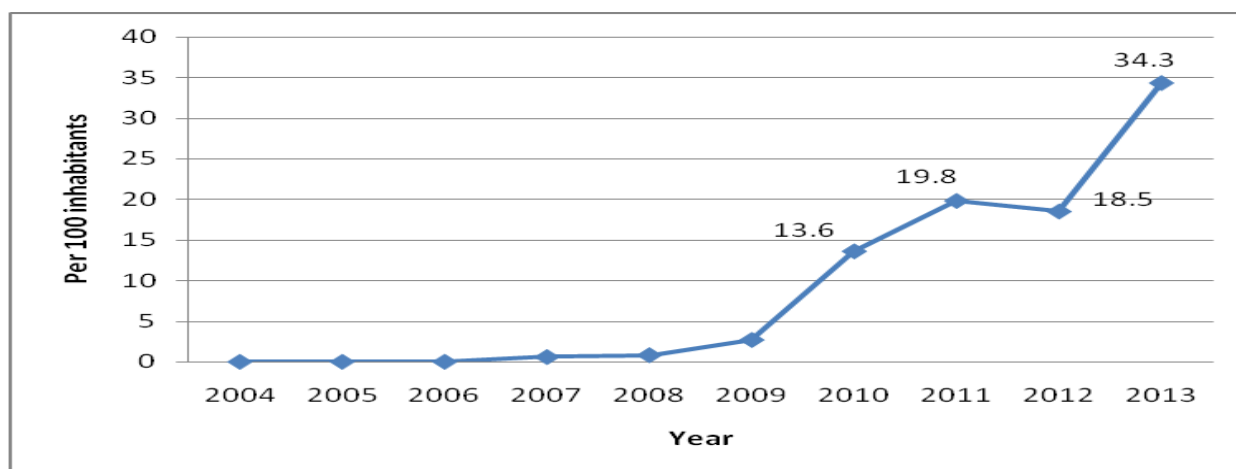
Source: Bhutan Telecom, Tashi-Cell, Samden, Drukcom

¹⁴ Dzongkhag wise connection details is attached

¹⁵ Around DHI and Bhutan Telecom's office only

¹⁶ It refers to only the actual numbers of Households/individual internet subscribers of Bhutan Telecom, Tashi Cell, Samden and Drukcom.

Chart 1.11: Showing total internet subscriber per 100 inhabitants, Bhutan, 2004-2013¹⁷

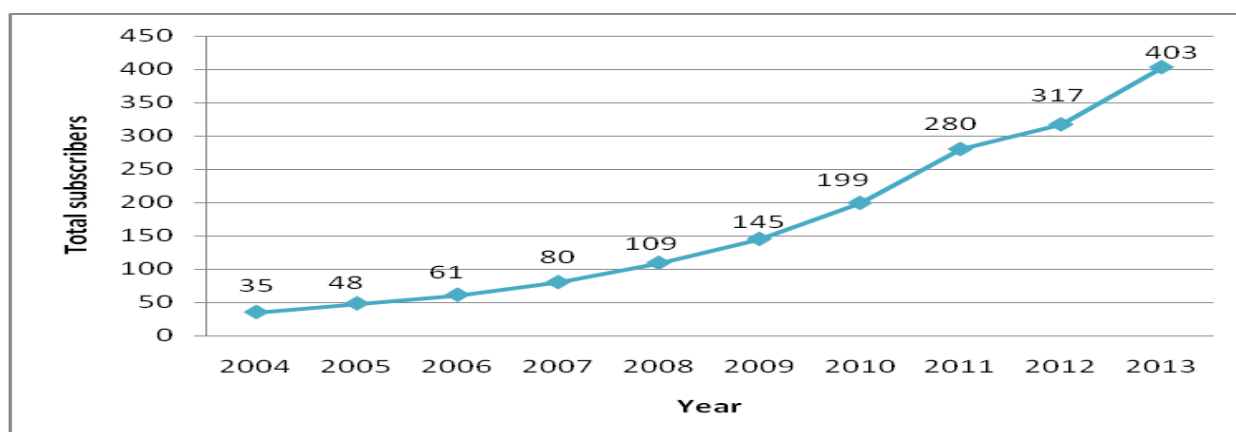


Source: Bhutan Telecom, Tashi-Cell

Types of internet¹⁸ services provided by ISPs are:

Lease Line Connection: Over the past one decade, lease line segment has been experiencing a very steady growth despite the phenomenal growth of fixed and mobile broadband. During 2013, 86 new lease line subscribers were added to the subscriber base, taking the total number of lease line subscribers to 403.

Chart 1.12: Showing lease-line subscribers trend, 2004-2013



Source: Bhutan Telecom, Tashi-Cell, Samden Tech and Drukcom

¹⁷ It refers to only the actual numbers of Households/individual internet subscribers of Bhutan Telecom, Tashi Cell, Samden and Drukcom.

¹⁸ Registered lease line, fixed broadband and mobile broadband subscribers are taken as “total internet subscribers” as it is difficult to calculate the actual number of internet users via internet café, home or offices.

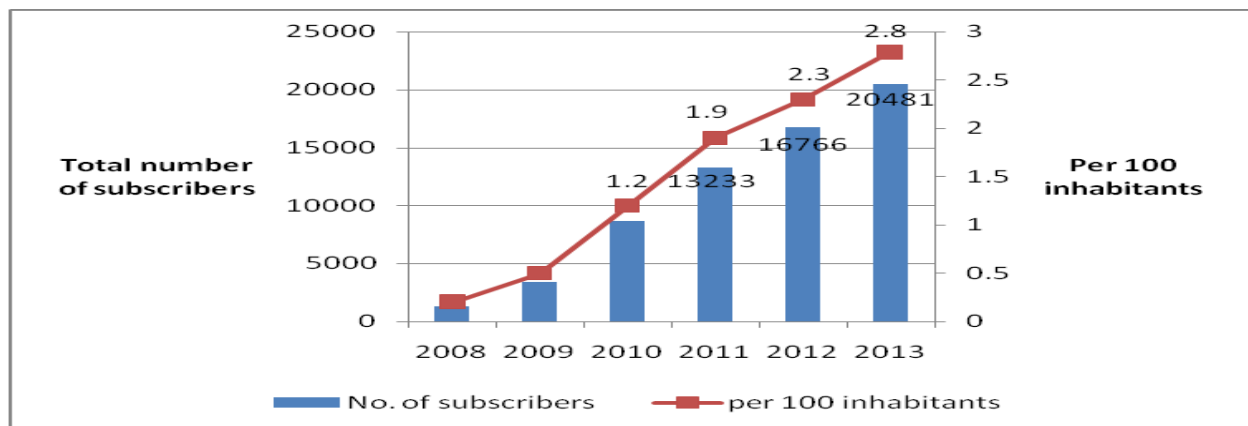
Broadband Connection:

Broadband Internet services were first introduced in the country in 2008. Broadband connections are generally classified into two - Fixed Broadband Connections (ADSL and Fiber Optic) and Mobile Broadband Connections (3G and 4G).

1. Fixed Broadband:

Fixed broadband Internet connections are provided through ADSL or Fiber Optic. By 2013, fixed broadband internet subscribers have reached 20,481: an increase of 22.2% or 3,715 over 2012. Currently, there are 2.8 Fixed Broadband subscribers per 100 inhabitants in the country compared to ITU's estimate of 9.8 and 6.1 per 100 inhabitants' world average and developing countries average respectively.

Chart 1.13: Showing total fixed broadband subscribers and subscribers per 100 inhabitants 2008-2013



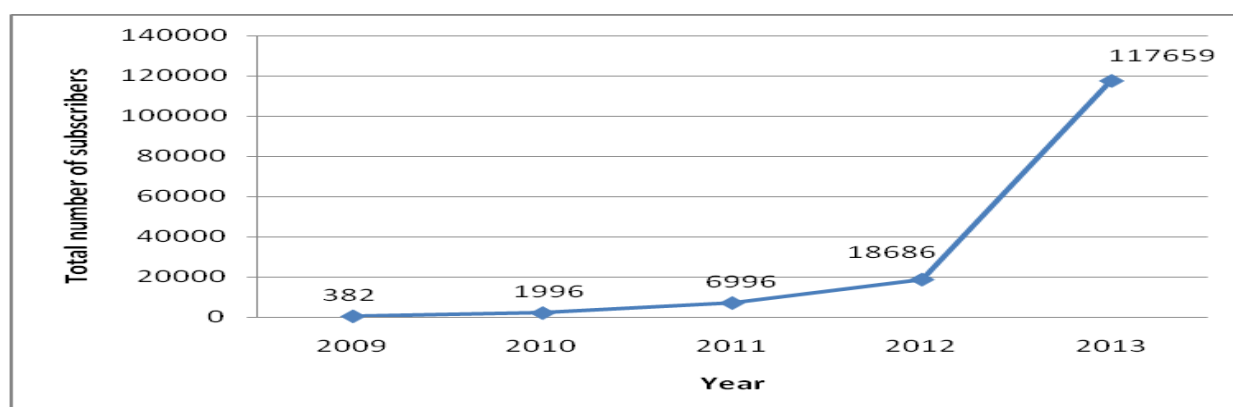
Source: Bhutan Telecom, Drukcom

2. Mobile Broadband:¹⁹

Mobile Broadband connections are generally classified into those connections which have 3G or 4G connections. Since its introduction, mobile broadband has been growing rapidly. In 2013, there was a sharp increase in mobile broadband subscriptions reaching 117,659 subscribers i.e. an increase of 529.66% from 2012. According to ITU's 2013 estimates, there are 29.5 and 19.8 mobile broadband subscribers per 100 inhabitants at the world stage and in the developing countries respectively. Within this same period, Bhutan had 16.1 mobile broadband subscribers per 100 inhabitants, which is closely comparable to other developing countries.

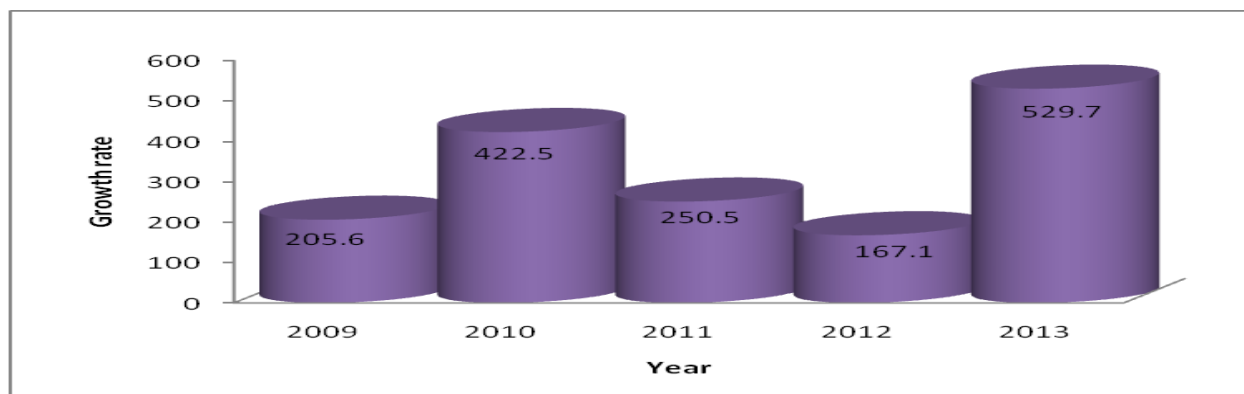
¹⁹ Refers to all devices such as mobile phone, laptops, tablets and others which have 3G/4G internet connections

Chart 1.14: Showing mobile broadband subscribers' trend, 2009-2013



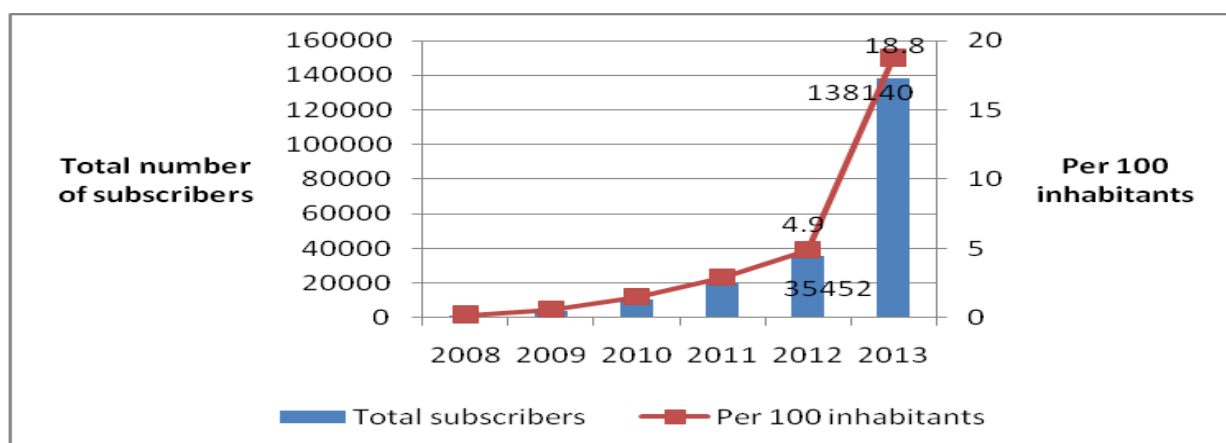
Source: Bhutan Telecom, Tashi-Cell

Chart 1.15: Showing mobile broadband growth rate, 2009-2013



Source: Bhutan Telecom, Tashi-Cell

Chart 1.16: Showing broadband (Fixed and Mobile) total subscribers and subscriber per 100 inhabitants, 2008-2013

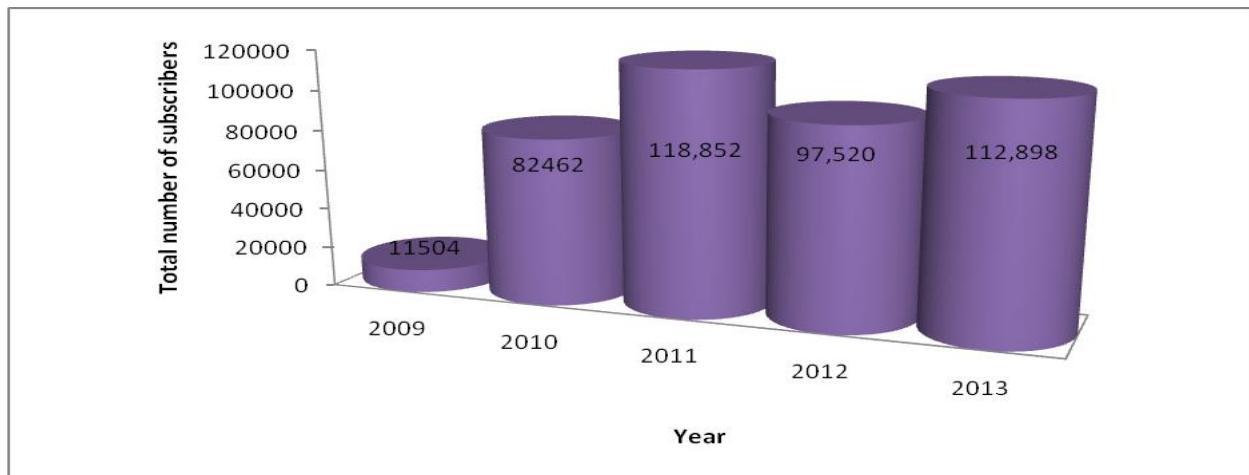


Source: Bhutan Telecom, Tashi-Cell, Drukcom

Mobile Internet (GPRS/EDGE)

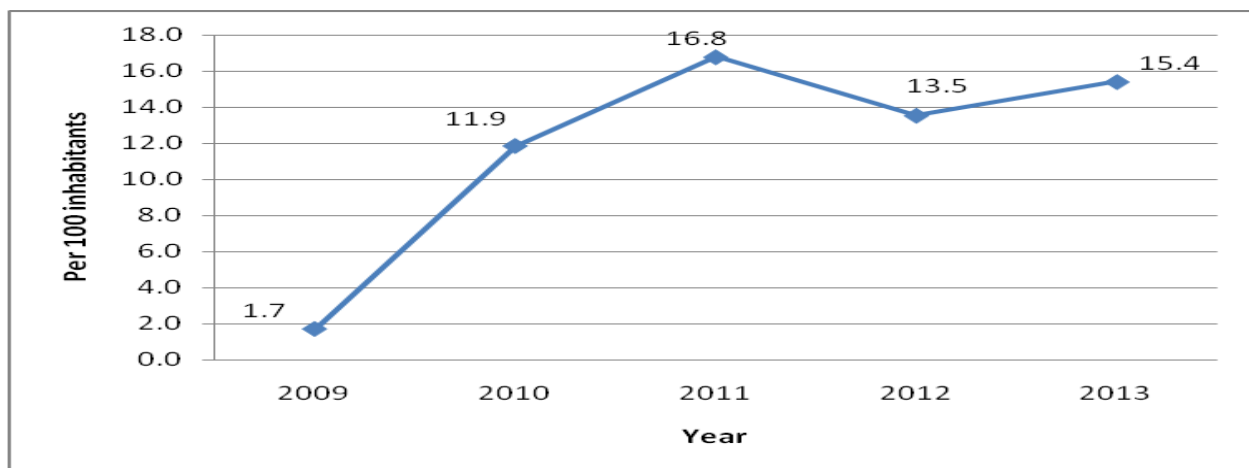
Mobile Internet (GPRS/EDGE) connections saw its subscriber base increase from 97,520 subscribers in 2012 to almost 112,898 subscribers in 2013 i.e. an increase of 15.8%.

Chart 1.17: Showing mobile internet (GPRS/EDGE) subscriber trend, 2009-2013



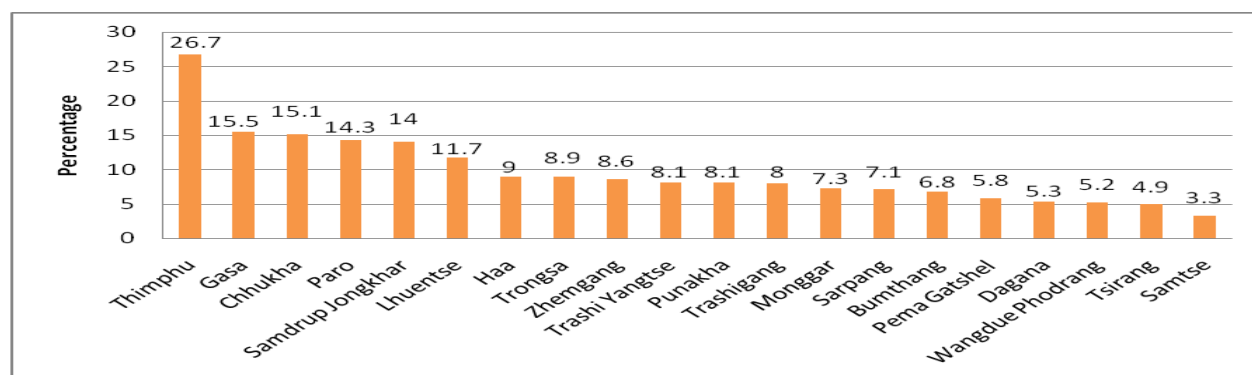
Source: Bhutan Telecom and Tashi-Cell

Chart 1.18: Showing mobile internet (EDGE/GPRS) subscribers per 100 inhabitants, 2009-2013



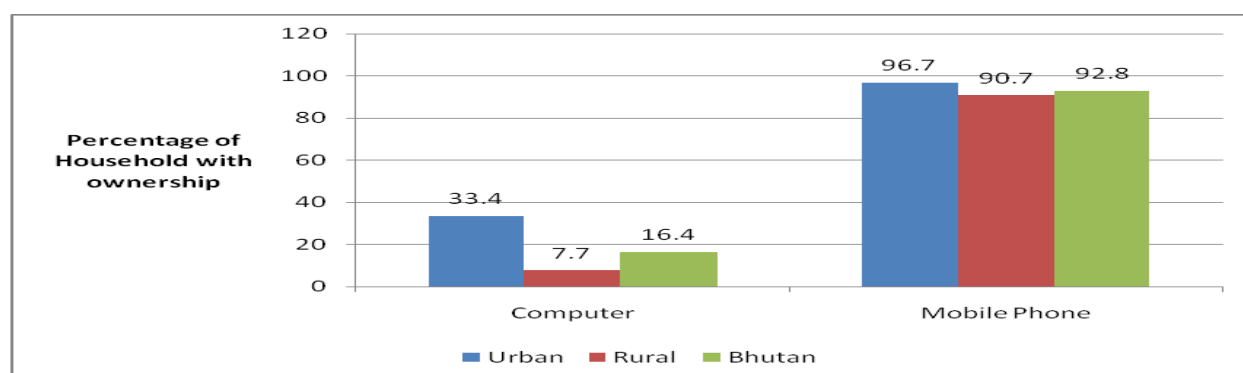
Source: Bhutan Telecom and Tashi-Cell

Chart 1.19: Internet penetration rates by Dzongkhag (Source: Bhutan Living Standard Survey Report 2012, NSB/ADB)



Note: Survey data pertains to 2012 only

Chart 1.20: Distribution of Household Owning Computers and Mobile Phones by Area (Urban or Rural) (Source: Bhutan Living Standard Survey Report 2012, NSB/ADB)



Note: Survey data pertains to 2012 only

1.6. Basic Postal Infrastructure Information

Table 1.4: Postal infrastructure, 2008-2013 Bhutan

Postal Infrastructures	2008	2009	2010	2012	2013
General Post Offices	2	2	4	4	4
Post Offices	41	41	40	39	40
Community Mail Offices	47	32	30	41	30
Total	127	112	114	128	74

Source: Bhutan Postal Corporation

1.7. Media Profile: Current scenario

Print media in Bhutan comprises mainly of newspapers, magazines and other publications. Currently, there are 12 licensed newspapers (three daily, eight weekly/ bi- weekly and one online). Since 1st August, 2013 Bhutan Observer discontinued its print version and is available online only. There are seven licensed radio broadcasters, including BBS (Bhutan Broadcasting Service) – a state owned broadcaster, which also provides television services. A new Dzongkha radio channel was launched by BBS on 21st February 2013. Following provides a chronology in the evolution of print media:

Print Media:

- i. Kuensel, launched in 1967 as an internal Government bulletin
- ii. Bhutan Times, launched on 30th April, 2006
- iii. Bhutan Observer, launched on 2nd June, 2006- only online version available now
- iv. Bhutan Today, launched on 30th October, 2008
- v. Business Bhutan, launched on 26th September, 2009
- vi. The Journalist, launched on 21st December, 2009
- vii. Druk Nyetshuel launched on 2nd August, 2010
- viii. Druk Yoezer launched on 19th February, 2011
- ix. Druk Gyalyong Sharshog, launched in 2011
- x. Bhutan Youth, launched on 21st February, 2012
- xi. The Bhutanese, launched on 21st February, 2012
- xii. Druk Melong, launched on 20th May, 2012

Radio Broadcasters:

- i. Bhutan Broadcasting Services (BBS), launched on November, 1973. Dzongkha only channel launched on 21st February, 2013
- ii. Kuzoo FM launched, on 1st September, 2006
- iii. Radio Valley launched, on 12th April, 2007
- iv. Centennial Radio, launched on 21st September, 2008
- v. Sherubtse Community Radio, launched on 8th May, 2009
- vi. Radio High, launched on 5th August, 2010
- vii. Radio Wave, launched on 12th October, 2010

Television:

- i. Bhutan Broadcasting Services (BBS) launched on 2nd June 1999 and currently has two Channels: BBS 1 and BBS 2.

1.7.1. Cable Television services

Table 1.5: Showing cable television operators, Bhutan, 2013

Dzongkhag	Number of Operator(s)	Name
Bumthang	3	<ol style="list-style-type: none"> 1. T.D Cable Network 2. Tashi Rabten Cable (Chumey) 3. USD Cable
Chhukha	4	<ol style="list-style-type: none"> 1. Kharung Cable TV Network (Gedu) 2. Cable Sat Club (Phuentsholing) 3. Tshela Cable Service (Phuentsholing) 4. Karma Cable
Dagana	4	<ol style="list-style-type: none"> 1. Kalikhola Cable (Kalikhola) 2. T and T Cable 3. CT Cable (Dagapela) 4. Nima Cable (Drujegang)
Gasa	0	
Haa	1	<ol style="list-style-type: none"> 1. Lekey Cable Network
Lhuentse	1	<ol style="list-style-type: none"> 1. Namsel Norbu Cable Service
Monggar	4	<ol style="list-style-type: none"> 1. K.R Cable TV Service 2. Sonam Dhendup Cables 3. Yiwong Cable Service (Sangore) 4. Yeshe Darjeeling Cable (Yadi)
Paro	2	<ol style="list-style-type: none"> 1. Sigma Cable Service 2. TD Metho Cable
Punakha	4	<ol style="list-style-type: none"> 1. Punab Cable 2. Tshochay Cables (Thinleygang) 3. Damchen Cable Service (Lobesa) 4. Tee Dee Cable (Kabesa)
Pema Gatshel	4	<ol style="list-style-type: none"> 1. Nima Cable 2. Dawa Cable Network 3. Deojung Cable, Rinchenhang (Nganglam) 4. Menjong Cable, Tshengkari (Nganglam)

Sarpang	5	<ol style="list-style-type: none"> 1. SNS Cable Network (Gelephu) 2. J Choda Cable 3. Nima Cable Network (Gelephu) 4. Yoezer Cable (Jigmeling) 5. Yoedsel cable
Samtse	3	<ol style="list-style-type: none"> 1. SKD Cable TV Service 2. R.G Cable Service (Gomtu) 3. Namkhair Cable Service (Dorokha)
Samdrup Jongkhar	4	<ol style="list-style-type: none"> 1. Phakpa Cable Services 2. Anjan & Bro Cable 3. S.T Cable 4. Tashi Wangmo Cable (Jomotshangkha)
Thimphu	3	<ol style="list-style-type: none"> 1. Norling Cable TV 2. Nakchung Cable Service (Khasadrupchu) 3. Etho Metho Cable Service
Trashigang	5	<ol style="list-style-type: none"> 1. Tshering Norbu Cable 2. N.P Cable Service (Kanlung) 3. S.C Cable Service (Khaling) 4. Tshering Lhamo Cable 5. Kinga Cable (Bartsham)
Trashy Yangtse	2	<ol style="list-style-type: none"> 1. Damnyen Cable Service 2. Gaki Phuntsho (Doksum)
Tsirang	2	<ol style="list-style-type: none"> 1. Yuden Cable Service 2. Migma Cable (Mendeygang)
Trongsa	2	<ol style="list-style-type: none"> 1. J.N Cable Service 2. Tshodak Cable
Wangdue Phodrang	6	<ol style="list-style-type: none"> 1. TT Cable Service 2. Damchen Cable Service 3. Namgay Cable Service 4. Dragon Cable Service 5. Phuntsho Ngaden Cable 6. Kuenphen Cable Services (Nobding)
Zhemgang	4	<ol style="list-style-type: none"> 1. Kezang Cable 2. Dawa Cable (Yebilaptsha) 3. D.D Cable Service (Buli) 4. Uphel Pelring Cable (Panbang)
Grand Total	63	

Source: Bhutan InfoComm and Media Authority

1.7.2. Bhutan Broadcasting services

Bhutan Broadcasting Service (BBS) is the sole nationwide television network operator in the country. BBS also provides nationwide FM/ radio services. As of date, it has 40-50% television network coverage and about 60-70% FM network coverage in the country.

Table 1.6: Showing stations around the country having Television/FM stations

SL	Name of station	Dzongkhag	Equipment
1	Dopchula	Thimphu	TV and FM
2	Jabjipeak	Paro	TV and FM
3	Jamtoegyompa	HAA	TV and FM
4	Khujula	Wangdi	TV and FM
5	Darjei dangra	Tsirang	TV and FM
6	Dungkarling	Sarpang	TV and FM
7	Sherpadangra	Dagana	TV
8	Gyompong	Zhemgang	TV and FM
9	Bubja	Trongsa	TV and FM
10	Kikela	Bumthang	TV and FM
11	Ponchula	Mongar	TV and FM
12	Thrima	Lhuntse	TV and FM
13	Dungar	Lhuntse	TV
14	Yangneer	Trashigang	TV and FM
15	Khentong mani	Trashigang	TV
16	Zorchen	Trashiyangtse	FM
17	Wamrong	Trashigang	TV
18	Chophugyompa	Pemagatshel	TV
19	Thonphu	Pemagatshel	TV and FM
20	Dala	Chukha	TV and FM
21	Saureni	Samtse	TV and FM
22	Tsenkharla	Trashiyangtse	TV
23	Thimphu	Studio	TV and FM
24	Ngalamdung	Lhunste	FM
25	Rametey	Chukha	Fm
26	Yotongla	Bumthang	FM
27	Lamsorong	S/Jongkhar	FM

Source: Bhutan Broadcasting Service

Chapter Two – Aviation and Surface Transport

1. Aviation Sector:

1.1. Airlines in Bhutan, by History, Aircraft fleet and Route:

Name of the Airline	Establishment Date	Aircraft fleet	Current operational routes	
			International	Domestic ²⁰
Druk Air, Royal Bhutan Airlines (Druk Air Corporation Limited)	5 th April, 1981 International services launched on 11 th February, 1983 Domestic services launched on 17 th December 2011	Airbus A319 – 3 (each with a seating capacity of 114 passengers). ATR- 42 - 1 (with seating capacity of 48 passengers).	New Delhi, India Kolkata, India Guwahati, India Bagdogra, India Gaya, India Dhaka, Bangladesh Kathmandu, Nepal Bangkok, Thailand Singapore Yangon, Myanmar ²¹	Yonphula Bumthang Gelephu
Bhutan Airlines (Tashi Air Private limited)	4 th December, 2011 International services began on 10 th October, 2013. Domestics services to Yonphula and Bumthang launched on 17 th December, 2011 but suspended since May 2012	Airbus A320 – 1 (seating capacity of 150)	Bangkok, Thailand via Kolkata, India	Yonphula Bumthang Gelephu

²⁰ Domestic air services to Gelephu and Yonphula currently suspended for up-gradation works

²¹ Currently suspended

1.2. Airport Details

Type of airport(s) ²²	Place	Altitude / Elevation above MSL	Runway length	Runway width	Aerodrome Reference classification
International airport	Paro	2237 M	2265 m	30 m	4C
Domestic	Yonphula	2780 M	1300 m	30m	2B
Domestic	Bumthang	2550 M	1200 m	30m	2B
Domestic	Gelephu	300 M	1500m	30m	2B

Source: Department of Civil Aviation, 2013

1.3. Number of Helipads²³: 61

Table 2.1: Showing information on Helipads

Sl. No	Dzongkhag	Location name	No. of Helipad	Sl. No	Dzongkhag	Location name	No. of Helipad
1	Bumthang	Bumthang	2	12	Samtse	Samtse	6
		Kakthang				Duktengang	
2	Chhukha	Phuentsholing	4			Tendu	
		Chimakoti				Sibsoo	
		Chapcha				Gomtu	
		Sinchinajal (Tala)				Chamchu	
3	Dagana	Dagana	1	13	Samdrup Jongkhar	Samdrup Jongkhar	7
4	Gasa	Gasa	2			Deothang	
		Lunana				Diafam	
5	Haa	Haa	4			Nanglam	
		Damthang				Bhangtar	
		Takha				Samrang	

²² Gelephu and Yonphula domestic airport under up-gradation work

²³ Helipads in this context includes those areas where a helicopter can land and it does not necessarily mean a black topped surface especially dedicated for helicopter landing

		Sarithang				Manas	
6	Lhuentse	Lhuntse	3	14	Thimphu	Thimphu (Luntenu)	3
		Tangmachu				Thimphu	
		Takpong				Lingshi Makang	
7	Mongar	Mongar	4	15	Trashigang	Tashigang	5
		Singur				Tobrang	
		Gyelposhing				Saktang	
		Kheng-yanmari				Kanglung	
8	Paro	Gunichawa	3			Yonphula	
		Sooe		16	Trashiyangtse		0
		Chekha		17	Tsirang	Tsirang	2
9	Punakha	Punakha	3			Goshi	
		Takshikha		18	Trongsa	Trongsa	1
		Koina		19	Wangdue phodrang	Wangdi Phodrang	1
10	Pema Gatshel		0	20	Zhemgang	Zhemgang	2
11	Sarpang	Gelephu	8			Panbang	
		Batasu		Grand Total			61
		Beteni					
		Kalikhola					
		Sarpang					
		Gongkhula					
		Piping					
		Hatisar (Lodrai)					

Source: Department of Civil Aviation

1.4. International Air Services:

Points/Country	Services launched	Remarks
Kolkata, India	11 th February, 1983	
New Delhi, India	26 th November, 1988	
Gaya, India	26 th October, 2003	
Bagdogra, India	26 th October, 2010	Inaugural flight on 18 th June, 2009
Guwahati, India	31 st October, 2010	Inaugural flight on 26 th October, 2010
Kathmandu, Nepal	April, 1989	Flight test familiarization on 25 th October, 1987
Bangkok, Thailand	28 th June, 1989	
Dhaka, Bangladesh	30 th October, 1986	
Yangon, Myanmar	6 th January, 1997	Suspended since 15 th December, 2004
Singapore	1 st September, 2012	

1.4.1. International Air Passengers

The national airline Druk Air and the country's first privately owned airline Bhutan Airlines, together carried 2,13,995 air passengers, showing an increase of 17.95% compared to 2012.

Table 2.2: Passenger (international route) flow, segregated by Airline and Sector, 2013

Sector	Druk Air	Bhutan Airlines	Sub-Total
From Paro			
Bangkok	34136	1724	35860
Dhaka	3548	0	3548
Singapore	3878	0	3878
Kathmandu	18876	0	18876
New Delhi	18850	0	18850
Bagdogra	2186	0	2186
Guwahati	1092	0	1092

Kolkata	11640	97	11737
Gaya	519	0	519
To Paro			
Bangkok	32938	1721	34659
Dhaka	3617	0	3617
Singapore	3789	0	3789
Kathmandu	19201	0	19201
New Delhi	17884	0	17884
Bagdogra	2218	0	2218
Guwahati	840	0	840
Kolkata	11004	0	11004
Gaya	481	0	481
Other connecting sectors:			
Kathmandu - New Delhi	2660	0	2660
New Delhi- Kathmandu	1398	0	1398
Gaya- Bangkok	555	0	555
Bangkok-Gaya	0	0	0
Dhaka- Bangkok	2667	0	2667
Bangkok- Dhaka	2299	0	2299
Bagdogra- Bangkok	2297	0	2297
Bangkok-Bagdogra	1916	0	1916
Guwahati-Bangkok	1526	0	1526
Bangkok- Guwahati	1465	0	1465
Kolkata-Singapore	3248	0	3248
Singapore-Kolkata	3295	0	3295
Kolkata-Dhaka	183	0	183
Dhaka-Kolkata	247	0	247
Grand Total Passenger Flow			213,995

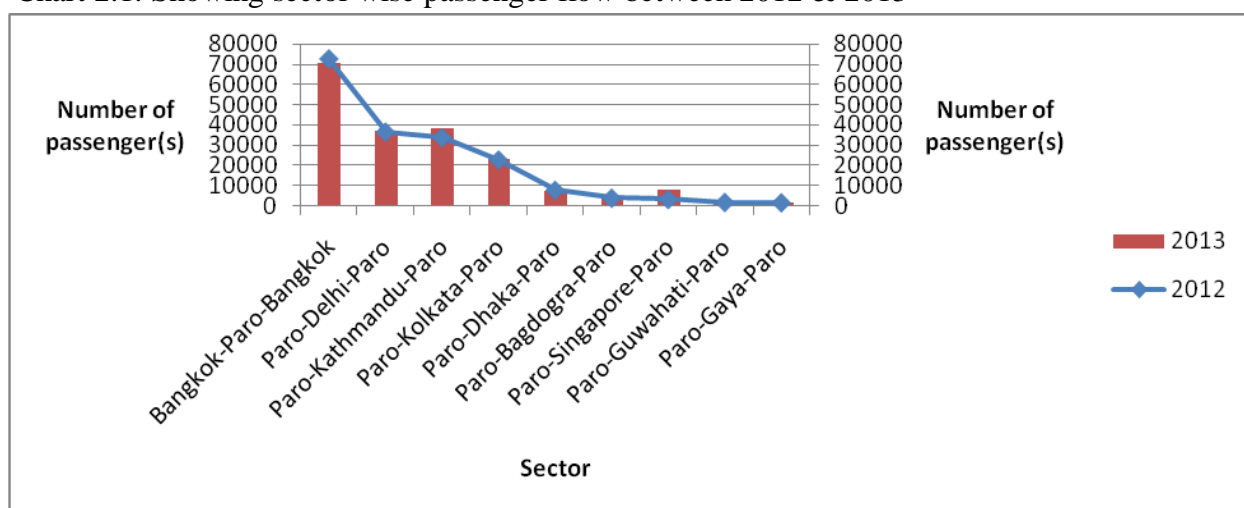
Source: Druk Air and Bhutan Airlines

Table 2.3: Sector wise passenger flow share, 2013

Sector(s)	No. of passengers	% share among sectors
Paro-Bangkok-Paro	70,519	32.95%
Paro-New Delhi-Paro	36,734	17.17%
Paro-Kathmandu-Paro	38,077	17.79%
Paro-Kolkata-Paro	22,741	10.63%
Paro-Dhaka-Paro	7,165	3.35%
Paro-Bagdogra-Paro	4,404	2.06%
Paro-Singapore-Paro	7,667	3.58%
Paro-Guwahati-Paro	1,932	0.90%
Paro-Gaya-Paro	1000	0.47%
Connecting sector ²⁴	23,756	11.1%

Source: Druk Air and Bhutan Airlines

Chart 2.1: Showing sector wise passenger flow between 2012 & 2013



Source: Druk Air and Bhutan Airlines

²⁴ Sector included are Kathmandu-New Delhi sector, Bagdogra-Bangkok Sector, Gaya-Bangkok Sector, Guwahati-Bangkok Sector, Dhaka-Bangkok Sector, Kolkata-Dhaka Sector, Kolkata-Singapore Sector

Chart 2.2: Number of passengers (Departure and Arrival) handled by Paro International Airport, 2009-2013

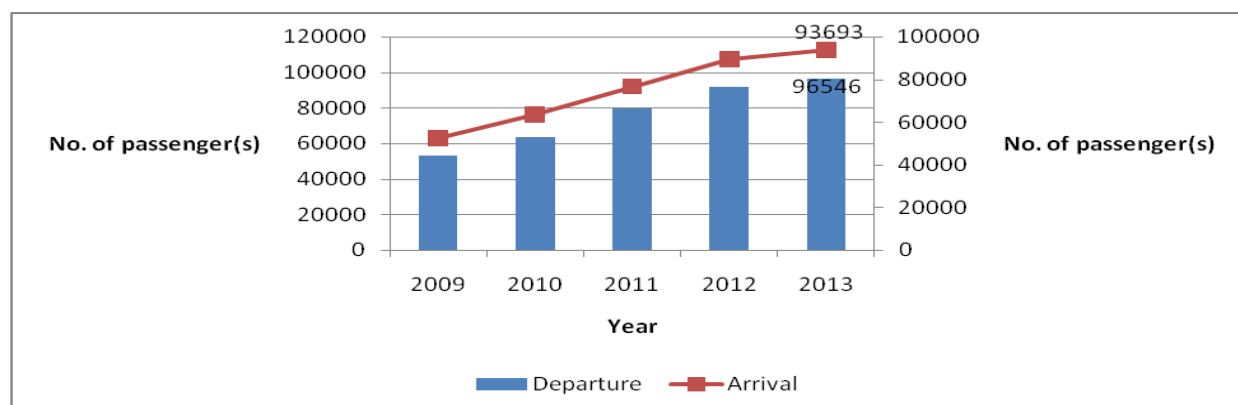
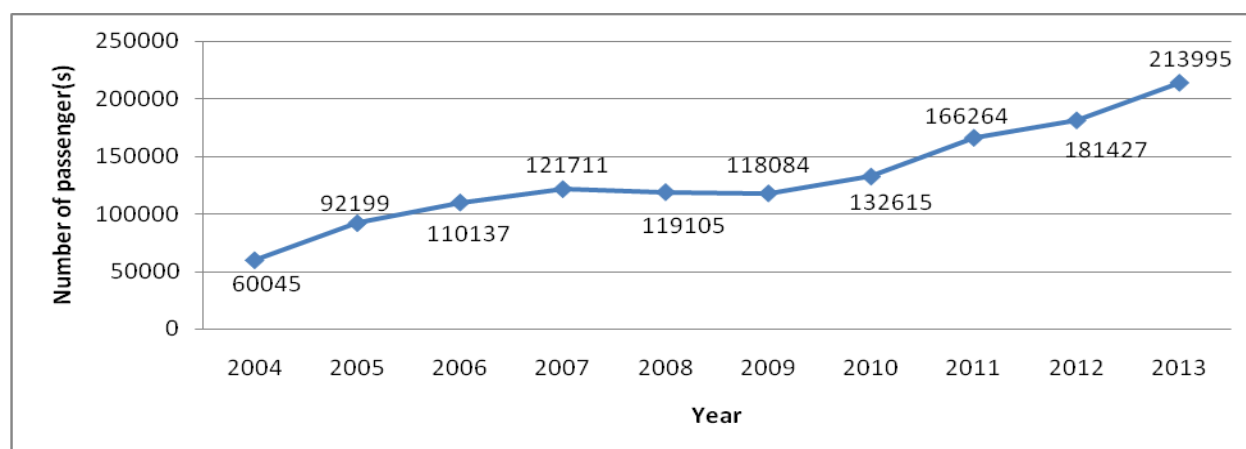


Chart 2.3: Annual air passenger flow (international routes), 2004-2013



Source: Druk Air and Bhutan Airlines

1.5. Domestic Air Services

Domestic Air Services in Bhutan started on 17th December, 2011 with flights to Bumthang and Yonphula and then to Gelephu on 25th October, 2012. Druk Air, the national airline and Bhutan Airline, a subsidiary of Tashi Air Private Limited are currently the two operators. However, Bhutan Airline has currently suspended its domestic operations. Scheduled flights to Yonphula and Gelephu have also been suspended for up-gradation works at the Yonphula and Gelephu domestic airports.

Table 2.4: Showing domestic passenger flow, 2013

SECTOR	Number of flights	No. of Passengers
Paro-Bumthang	118	1099
Bumthang-Yonphula	24	141
Yonphula-Paro	23	273
Bumthang-Paro	95	1145
Paro-Gelephu	1	22
Gelephu-Bumthang	1	1
Yonphula-Gelephu	1	12
Gelephu-Paro	1	32
Total	264	2725

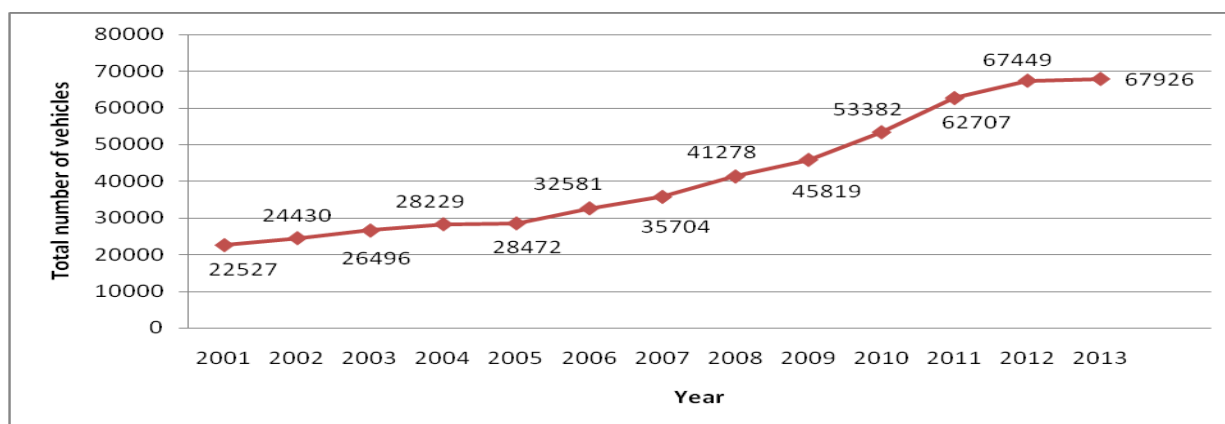
Source: Druk Air

2. Surface Transport

2.1. Trend in motor vehicle growth

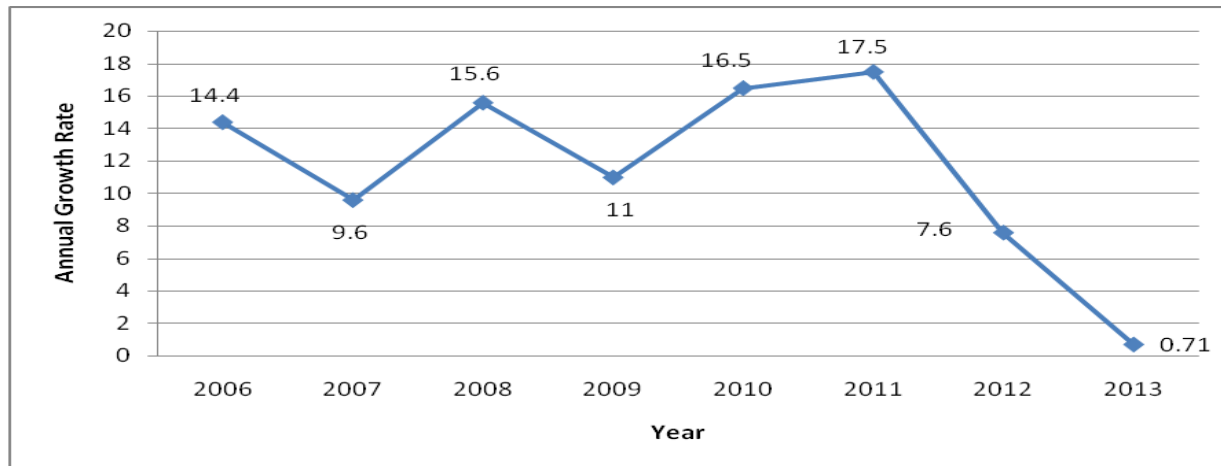
Motor vehicle number has almost tripled since 2001 with the addition of 45,399 new vehicles on the Bhutanese roads as of December 2013. Despite the temporary prohibition on the import of vehicles, 477 new vehicles were added in 2013 alone, taking the total vehicle number to 67,926 from 67,449 in 2012. Vehicle numbers in Bhutan has been steadily increasing at an average annual growth rate of 11% from 2001 to 2011, however due to the temporary prohibition on the importation of vehicles since March 2012, the vehicle growth rate has decreased to 7.6% in 2012 and further to 0.71% in 2013.

Chart 2.4: Showing vehicle growth trend, 2001-2013



Source: Road Safety and Transport Authority

Chart 2.5: Showing annual vehicle growth rate, 2006-2013



Source: Road Safety and Transport Authority

Table 2.5: Total number of vehicles, by Type, 2001-2013

Year	Category									Total vehicles
	Heavy	Medium	Light	Two wheeler	Taxi	Power Tiller	Tractor	EME	Other	
2001	2863	697	9915	8165	201	n.a	n.a	408	278	22527
2002	2747	770	10199	8371	1423	n.a	n.a	464	456	24430
2003	4841	308	11575	7507	1560	n.a	n.a	321	384	26496
2004	4345	n.a	12425	7707	1682	n.a	n.a	1682	388	28229
2005	4352	n.a	14365	6703	2050	n.a	n.a	511	491	28472
2006	4176	343	17355	7903	2038	79	109	555	23	32581
2007	4547	467	19798	7458	2218	109	474	633	n.a	35704

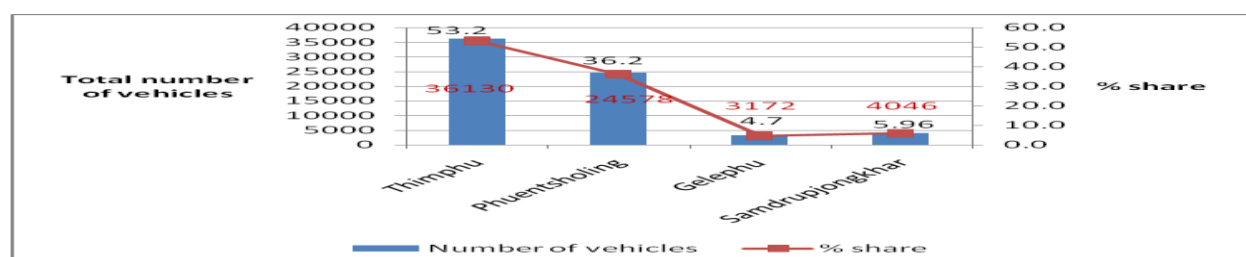
2008	4624	659	24244	7734	2511	151	611	744	n.a	41278
2009	5198	786	27145	8027	2859	692	183	929	n.a	45819
2010	6568	1007	31162	8820	3599	756	210	1260	n.a	53382
2011	7996	1261	36150	9434	4856	1030	278	1702	n.a	62707
2012	8443	1330	39254	9739	5354	1128	283	1918	n.a	67449
2013	8544	1347	39596	9750	5191	1209	318	1971	n.a	67926

Source: Road Safety and Transport Authority

2.2. Vehicle distribution and ownership pattern

In terms of regional vehicle distribution, 53.2% of total vehicles are registered under Thimphu²⁵ region, 36.2% under Phuentsholing²⁶ region, 4.7% under Gelephu²⁷ region and 5.96% under Samdrupjongkar²⁸ region. In terms of ownership, about 8.5% (increase of 0.1% from 2012) of the total vehicles are registered in the name of government agencies²⁹ and public sector corporations, 91.3% (decrease of 0.1% from 2012) by private organizations/individuals and the remaining 0.17% in the name of Diplomatic missions and BHT.

Chart 2.6: Showing total number of vehicles, by region and % share, 2013



Source: Road Safety and Transport Authority

²⁵ Covers six Dzongkhags: Thimphu, Paro, Haa, Wangdue, Punakha and Gasa

²⁶ Covers two Dzongkhags: Chhukha and Samtse

²⁷ Covers six Dzongkhags: Gelephu, Zhemgang, Trongsa, Bumthang, Tsirang and Dagana

²⁸ Covers six Dzongkhags: Samdrupjongkar, Pema Gatshel, Trashigang, Trashiyangtse, Monggar and Lhuentse

²⁹ The number excludes vehicles owned by armed forces

Table 2.6: Showing total number of registered vehicles, by region, % share between 2012 and 2013

Region/Year	Total number of vehicles		% share of registered vehicles	
	2013	2012	2013	2012
Thimphu	36130	35965	53.2	53.3
Phuentsholing	24578	24416	36.2	36.2
Gelephu	3172	3102	4.7	4.6
Samdrup Jongkhar	4046	3966	5.9	5.9
Total	67,926	67,449	100	100

Source: Road Safety and Transport Authority

Table 2.7: Vehicles owned by government and public sector corporations, 2001-2013

Year	Category									Total
	Heavy	Medium	Light	Two Wheeler	Power Tiller	Tractor	EME	Taxi	other	
2001	618	193	1262	467	0	0	126	0	0	2666
2002	490	189	1234	560	0	0	131	0	0	2604
2003	692	78	1176	484	0	0	63	0	0	2493
2004	871	0	1267	506	0	0	63	0	0	2707
2005	952	0	1472	640	0	0	127	0	0	3191
2006	922	72	1517	1277	3	69	156	0	15	4031
2007	914	108	1604	715	30	13	168	0	0	3552
2008	903	139	1820	806	40	16	173	0	0	3897
2009	952	170	2000	839	40	17	192	0	0	4210
2010	992	192	2133	1047	43	17	198	0	0	4622
2011	1099	211	2278	1406	56	21	238	0	0	5309
2012	1132	226	2531	1460	58	21	241	0	0	5669
2013	1176	226	2510	1463	58	89	250	0	0	5772

Source: Road Safety and Transport Authority

Table 2.8: Vehicles owned by private organizations/individuals, 2001-2013

Year	Category									Total
	Heavy	Medium	Light	Two Wheeler	Power Tiller	Tractor	EME	Taxi	other	
2001	2244	505	7515	5989	0	0	282	1199	201	17935
2002	2255	581	8837	7811	0	0	333	1423	381	21621
2003	2799	230	10252	7023	0	0	258	1560	356	22478
2004	3474	0	11371	7201	0	0	258	1682	356	24342
2005	3400	0	12790	5998	0	0	382	2050	312	24932
2006	3236	271	15739	6626	76	40	399	2038	8	28433
2007	3633	359	18069	6743	79	460	465	2218	0	32026
2008	3721	520	22297	6928	111	595	561	2511	0	37244
2009	4246	616	25018	7180	143	675	737	2859	0	41474
2010	5576	815	28898	7769	167	739	1062	3599	0	48625
2011	6897	1050	33737	8023	222	1009	1478	4856	0	57272
2012	7311	1104	36588	8274	225	1107	1677	5354	0	61640
2013	7368	1121	36973	8282	1151	229	1721	5191	0	62036

Source: Road Safety and Transport Authority

Table 2.9: Total number of vehicles, Month wise, 2013

Months	Heavy	Medium	Light	Two Wheeler	Power Tiller	Tractor	EME	Taxi	Total
January	8458	1335	39265	9782	1130	283	1928	5353	67534
February	8476	1339	39277	9782	1132	283	1935	5351	67575
March	8491	1339	39301	9783	1136	283	1942	5332	67607
April	8533	1341	39336	9791	1167	285	1950	5314	67717
May	8533	1349	39361	9786	1183	296	1951	5290	67749
June	8571	1349	39403	9792	1209	318	1954	5273	67869

July	8571	1347	39426	9785	1209	318	1962	5254	67872
August	8551	1348	39475	9769	1209	318	1960	5235	67865
September	8536	1346	39534	9761	1209	318	1962	5223	67889
October	8549	1346	39551	9760	1209	318	1963	5214	67910
November	8548	1344	39578	9760	1209	318	1965	5204	67926
December	8544	1347	39596	9750	1209	318	1971	5191	67926

Source: Road Safety and Transport Authority

Table 2.10: Total number of vehicles-by region, month, type and ownerships, 2013:

January

January										
Region	Owner-ship	Heavy	Medium	Light	TW	PT	Tractor	EME	Taxi	Total
Thimphu	Govt.	546	40	1504	533	12	20	115	0	2770
Phuentsholing		481	133	642	581	0	17	51	0	1905
Gelephu		58	18	162	114	0	6	35	0	393
Samdrupjongkhar		48	38	227	235	9	15	40	0	612
Thimphu	Pvt.	2169	259	22106	3661	699	68	500	3616	33078
Phuentsholing		4544	733	11875	2588	66	123	1096	1514	22539
Gelephu		264	74	1171	899	103	8	47	160	2726
Samdrupjongkhar		348	40	1443	1166	241	26	44	63	3371
Thimphu	BHT	0	0	70	0	0	0	0	0	70
Phuentsholing		0	0	0	0	0	0	0	0	0
Gelephu		0	0	0	0	0	0	0	0	0
Samdrupjongkhar		0	0	0	0	0	0	0	0	0
Thimphu	Diplo-mat	0	0	65	5	0	0	0	0	70
Phuentsholing		0	0	0	0	0	0	0	0	0
Gelephu		0	0	0	0	0	0	0	0	0
Samdrupjongkhar		0	0	0	0	0	0	0	0	0
Grand Total		8458	1335	39265	9782	1130	283	1928	5353	67534

February

Region	Owner-ship	Heavy	Medium	Light	TW	PT	Tractor	EME	Taxi	Total
Thimphu	Govt.	546	40	1504	533	12	20	115	0	2770
Phuentsholing		483	136	644	581	0	17	51	0	1912

Gelephu		59	18	162	114	0	6	35	0	394
Samdrupjongkhar		48	38	227	235	9	15	40	0	612
Thimphu	Private	2175	260	22114	3661	701	68	500	3614	33093
Phuentsholing		4553	733	11875	2588	66	123	1103	1514	22555
Gelephu		264	74	1173	899	103	8	47	160	2728
Samdrupjongkhar		348	40	1443	1166	241	26	44	63	3371
Thimphu	BHT	0	0	70	0	0	0	0	0	70
Phuentsholing		0	0	0	0	0	0	0	0	0
Gelephu		0	0	0	0	0	0	0	0	0
Samdrupjongkhar		0	0	0	0	0	0	0	0	0
Thimphu	Diplo- mat	0	0	65	5	0	0	0	0	70
Phuentsholing		0	0	0	0	0	0	0	0	0
Gelephu		0	0	0	0	0	0	0	0	0
Samdrupjongkhar		0	0	0	0	0	0	0	0	0
Grand Total		8476	1339	39277	9782	1132	283	1935	5351	67575

March

Region	Owner- ship	Heavy	Medium	Light	TW	PT	Tractor	EME	Taxi	Total
Thimphu	Govt.	545	40	1507	533	12	20	115	0	2772
Phuentsholing		483	136	644	581	0	17	51	0	1912
Gelephu		59	18	163	114	0	6	35	0	395
Samdrupjongkhar		48	38	227	235	9	15	40	0	612
Thimphu	Private	2184	260	22130	3666	705	68	501	3597	33111
Phuentsholing		4560	733	11872	2585	66	123	1110	1512	22561
Gelephu		265	74	1180	900	103	8	47	160	2737
Samdrupjongkhar		347	40	1444	1164	241	26	43	63	3368
Thimphu	BHT	0	0	69	0	0	0	0	0	69
Phuentsholing		0	0	0	0	0	0	0	0	0
Gelephu		0	0	0	0	0	0	0	0	0
Samdrupjongkhar		0	0	0	0	0	0	0	0	0
Thimphu	Diplo- mat	0	0	65	5	0	0	0	0	70
Phuentsholing		0	0	0	0	0	0	0	0	0
Gelephu		0	0	0	0	0	0	0	0	0
Samdrupjongkhar		0	0	0	0	0	0	0	0	0
Grand Total		8491	1339	39301	9783	1136	283	1942	5332	67607

April

Region	Owner- ship	Heavy	Medium	Light	TW	PT	Tractor	EME	Taxi	Total
Thimphu	Govt.	550	37	1492	530	37	22	116	0	2784
Phuentsholing		498	136	645	586	0	17	53	0	1935
Gelephu		59	18	164	114	0	5	36	0	396
Samdrupjongkhar		48	38	226	235	9	15	40	0	611

Thimphu	Private	2189	260	22167	3670	711	68	502	3585	33152
Phuentsholing		4577	738	11879	2587	66	123	1113	1508	22591
Gelephu		265	74	1182	900	103	9	47	158	2738
Samdrupjongkhar		347	40	1447	1164	241	26	43	63	3371
Thimphu	BHT	0	0	69	0	0	0	0	0	69
Phuentsholing		0	0	0	0	0	0	0	0	0
Gelephu		0	0	0	0	0	0	0	0	0
Samdrupjongkhar		0	0	0	0	0	0	0	0	0
Thimphu	Diplo- mat	0	0	65	5	0	0	0	0	70
Phuentsholing		0	0	0	0	0	0	0	0	0
Gelephu		0	0	0	0	0	0	0	0	0
Samdrupjongkhar		0	0	0	0	0	0	0	0	0
Grand Total		8533	1341	39336	9791	1167	285	1950	5314	67717

May

Region	Owner-ship	Heavy	Medium	Light	TW	PT	Tractor	EME	Taxi	Total
Thimphu	Govt.	555	38	1487	528	41	32	117	0	2798
Phuentsholing		498	138	649	586	0	17	54	0	1942
Gelephu		60	19	164	114	0	5	37	0	399
Samdrupjongkhar		50	38	227	235	9	15	40	0	614
Thimphu	Private	2191	260	22191	3668	722	68	502	3569	33171
Phuentsholing		4586	740	11876	2586	66	123	1110	1503	22590
Gelephu		265	76	1184	900	103	10	48	156	2742
Samdrupjongkhar		348	40	1451	1164	242	26	43	62	3376
Thimphu	BHT	0	0	68	0	0	0	0	0	68
Phuentsholing		0	0	0	0	0	0	0	0	0
Gelephu		0	0	0	0	0	0	0	0	0
Samdrupjongkhar		0	0	0	0	0	0	0	0	0
Thimphu	Diplo- mat	0	0	64	5	0	0	0	0	69
Phuentsholing		0	0	0	0	0	0	0	0	0
Gelephu		0	0	0	0	0	0	0	0	0
Samdrupjongkhar		0	0	0	0	0	0	0	0	0
Grand Total		8553	1349	39361	9786	1183	296	1951	5290	67769

June

Region	Owner- ship	Heavy	Medium	Light	TW	PT	Tractor	EME	Taxi	Total
Thimphu	Govt.	555	38	1489	529	49	47	117	0	2824
Phuentsholing		504	137	647	586	0	17	56	0	1947
Gelephu		60	19	162	114	0	5	37	0	397
Samdrupjongkhar		50	38	226	238	9	20	40	0	621

Thimphu	Private	2192	260	22216	3670	740	68	502	3555	33203
Phuentsholing		4587	741	11893	2586	66	124	1111	1501	22609
Gelephu		266	76	1187	900	103	11	48	155	2746
Samdrupjongkhar		357	40	1451	1164	242	26	43	62	3385
Thimphu	BHT	0	0	69	0	0	0	0	0	69
Phuentsholing		0	0	0	0	0	0	0	0	0
Gelephu		0	0	0	0	0	0	0	0	0
Samdrupjongkhar		0	0	0	0	0	0	0	0	0
Thimphu	Diplo- mat	0	0	63	5	0	0	0	0	68
Phuentsholing		0	0	0	0	0	0	0	0	0
Gelephu		0	0	0	0	0	0	0	0	0
Samdrupjongkhar		0	0	0	0	0	0	0	0	0
Grand Total		8571	1349	39403	9792	1209	318	1954	5273	67869

July

Region	Owner-ship	Heavy	Medium	Light	TW	PT	Tractor	EME	Taxi	Total
Thimphu	Govt.	555	38	1487	529	49	47	118	0	2823
Phuentsholing		503	137	655	586	0	17	56	0	1954
Gelephu		60	19	162	114	0	5	37	0	397
Samdrupjongkhar		50	38	226	238	9	20	40	0	621
Thimphu	Private	2192	260	22228	3660	740	68	503	3541	33192
Phuentsholing		4591	740	11893	2590	66	124	1118	1497	22619
Gelephu		263	75	1201	900	103	11	48	154	2755
Samdrupjongkhar		357	40	1458	1163	242	26	42	62	3390
Thimphu	BHT	0	0	55	0	0	0	0	0	55
Phuentsholing		0	0	0	0	0	0	0	0	0
Gelephu		0	0	0	0	0	0	0	0	0
Samdrupjongkhar		0	0	0	0	0	0	0	0	0
Thimphu	Diplo-mat	0	0	61	5	0	0	0	0	66
Phuentsholing		0	0	0	0	0	0	0	0	0
Gelephu		0	0	0	0	0	0	0	0	0
Samdrupjongkhar		0	0	0	0	0	0	0	0	0
Grand Total		8571	1347	39426	9785	1209	318	1962	5254	67872

August

Region	Owner- ship	Heavy	Medium	Light	TW	PT	Tractor	EME	Taxi	Total
Thimphu	Govt.	551	38	1483	521	49	47	118	0	2807
Phuentsholing		501	136	643	586	0	17	56	0	1939
Gelephu		60	19	162	114	0	5	37	0	397
Samdrupjongkhar		50	38	225	238	9	20	40	0	620
Thimphu	Private	2180	263	22254	3650	740	68	502	3531	33188
Phuentsholing		4588	739	11916	2589	66	124	1116	1491	22629

Gelephu		264	75	1214	900	103	11	48	151	2766
Samdrupjongkhar		357	40	1463	1166	242	26	43	62	3399
Thimphu	BHT	0	0	55	0	0	0	0	0	55
Phuentsholing		0	0	0	0	0	0	0	0	0
Gelephu		0	0	0	0	0	0	0	0	0
Samdrupjongkhar		0	0	0	0	0	0	0	0	0
Thimphu	Diplo- mat	0	0	60	5	0	0	0	0	65
Phuentsholing		0	0	0	0	0	0	0	0	0
Gelephu		0	0	0	0	0	0	0	0	0
Samdrupjongkhar		0	0	0	0	0	0	0	0	0
Grand Total		8551	1348	39475	9769	1209	318	1960	5235	67865

September

Region	Owner- ship	Heavy	Medium	Light	TW	PT	Tractor	EME	Taxi	Total
Thimphu	Govt.	551	34	1481	521	49	47	118	0	2801
Phuentsholing		501	134	642	586	0	17	56	0	1936
Gelephu		60	18	162	114	0	5	37	0	396
Samdrupjongkhar		50	38	225	238	9	20	40	0	620
Thimphu	Private	2178	268	22279	3646	740	68	502	3523	33204
Phuentsholing		4574	738	11922	2589	66	124	1118	1488	22619
Gelephu		264	76	1224	898	103	11	48	151	2775
Samdrupjongkhar		358	40	1486	1164	242	26	43	61	3420
Thimphu	BHT	0	0	55	0	0	0	0	0	55
Phuentsholing		0	0	0	0	0	0	0	0	0
Gelephu		0	0	0	0	0	0	0	0	0
Samdrupjongkhar		0	0	0	0	0	0	0	0	0
Thimphu	Diplo- mat	0	0	58	5	0	0	0	0	63
Phuentsholing		0	0	0	0	0	0	0	0	0
Gelephu		0	0	0	0	0	0	0	0	0
Samdrupjongkhar		0	0	0	0	0	0	0	0	0
Grand Total		8536	1346	39534	9761	1209	318	1962	5223	67889

October

Region	Owner- ship	Heavy	Medium	Light	TW	PT	Tractor	EME	Taxi	Total
Thimphu	Govt.	552	34	1482	520	49	47	118	0	2802
Phuentsholing		511	134	642	586	0	17	56	0	1946
Gelephu		60	18	162	114	0	5	37	0	396
Samdrupjongkhar		50	38	225	238	9	20	40	0	620

Thimphu	Private	2179	269	22290	3645	740	68	502	3519	33212
Phuentsholing		4575	737	11924	2590	66	124	1119	1484	22619
Gelephu		264	76	1222	898	103	11	48	151	2773
Samdrupjongkhar		358	40	1491	1164	242	26	43	60	3424
Thimphu	BHT	0	0	55	0	0	0	0	0	55
Phuentsholing		0	0	0	0	0	0	0	0	0
Gelephu		0	0	0	0	0	0	0	0	0
Samdrupjongkhar		0	0	0	0	0	0	0	0	0
Thimphu	Diplo- mat	0	0	58	5	0	0	0	0	63
Phuentsholing		0	0	0	0	0	0	0	0	0
Gelephu		0	0	0	0	0	0	0	0	0
Samdrupjongkhar		0	0	0	0	0	0	0	0	0
Grand Total		8549	1346	39551	9760	1209	318	1963	5214	67910

November

November

Region	Owner-ship	Heavy	Medium	Light	TW	PT	Tractor	EME	Taxi	Total
Thimphu	Govt.	551	34	1484	522	49	47	117	0	2804
Phuentsholing		516	134	642	586	0	17	57	0	1952
Gelephu		60	18	162	114	0	5	37	0	396
Samdrupjongkhar		49	38	226	240	9	20	40	0	622
Thimphu	Private	2175	267	22308	3642	740	68	502	3510	33212
Phuentsholing		4576	737	11925	2589	66	124	1120	1483	22620
Gelephu		264	76	1225	898	103	11	49	151	2777
Samdrupjongkhar		357	40	1492	1164	242	26	43	60	3424
Thimphu	BHT	0	0	56	0	0	0	0	0	56
Phuentsholing		0	0	0	0	0	0	0	0	0
Gelephu		0	0	0	0	0	0	0	0	0
Samdrupjongkhar		0	0	0	0	0	0	0	0	0
Thimphu	Diplo- mat	0	0	58	5	0	0	0	0	63
Phuentsholing		0	0	0	0	0	0	0	0	0
Gelephu		0	0	0	0	0	0	0	0	0
Samdrupjongkhar		0	0	0	0	0	0	0	0	0
Grand Total		8548	1344	39578	9760	1209	318	1965	5204	67926

December (2013 vehicle statistics)

Region	Owner-ship	Heavy	Medium	Light	TW³⁰	PT³¹	Tractor	EME³²	Taxi	Total
Thimphu	Govt.	550	35	1480	523	49	47	116	0	2800
Phuentsholing		517	135	642	586	0	17	57	0	1954
Gelephu		60	18	163	114	0	5	37	0	397
Samdrupjongkhar		49	38	225	240	9	20	40	0	621
	Sub-total	1176	226	2510	1463	58	89	250	0	5772
Thimphu	Private	2169	269	22319	3636	740	68	503	3508	33212
Phuentsholing		4577	736	11934	2587	66	124	1125	1475	22624
Gelephu		265	76	1226	895	103	11	50	149	2775
Samdrupjongkhar		357	40	1494	1164	242	26	43	59	3425
	Sub-total	7368	1121	36973	8282	1151	229	1721	5191	62036
Thimphu	BHT	0	0	56	0	0	0	0	0	56
Phuentsholing		0	0	0	0	0	0	0	0	0
Gelephu		0	0	0	0	0	0	0	0	0
Samdrupjongkhar		0	0	0	0	0	0	0	0	0
	Sub-total	0	0	56	0	0	0	0	0	56
Thimphu	Diplomat	0	0	57	5	0	0	0	0	62
Phuentsholing		0	0	0	0	0	0	0	0	0
Gelephu		0	0	0	0	0	0	0	0	0
Samdrupjongkhar		0	0	0	0	0	0	0	0	0
	Sub-total	0	0	57	5	0	0	0	0	62
	Grand Total	8544	1347	39596	9750	1209	318	1971	5191	67926

Source: Road Safety and Transport Authority

³⁰ TW refers to Two Wheeler

³¹ PT refers to Power Tiller

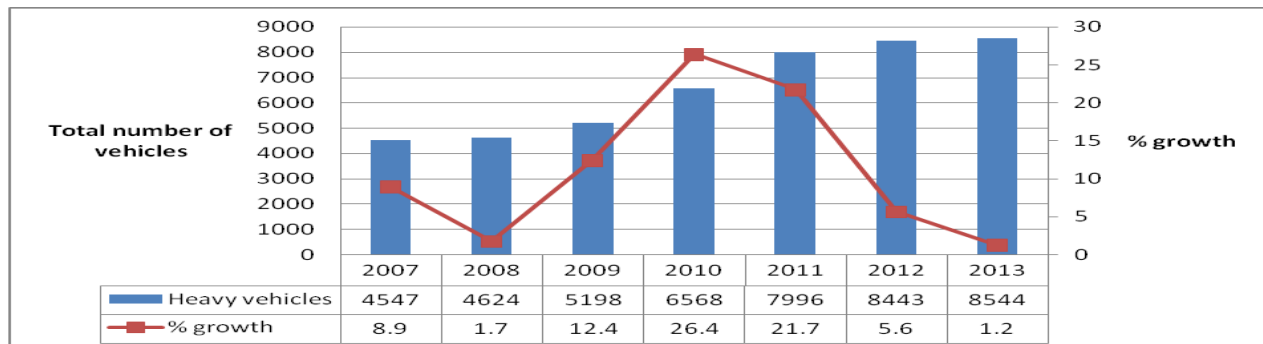
³² EME refers to Earth Moving Equipments

2.3. Growth trend by type of vehicles:

2.3.1. Heavy Vehicles³³:

In 2013, the heavy vehicles category saw an increase of 1.2% or 101 new vehicles, thereby taking its total to 8,544. This category of vehicles were mainly for hydropower projects currently under construction in different parts of the country

Chart 2.7: Showing total number of heavy vehicles and % annual growth, 2007-2013

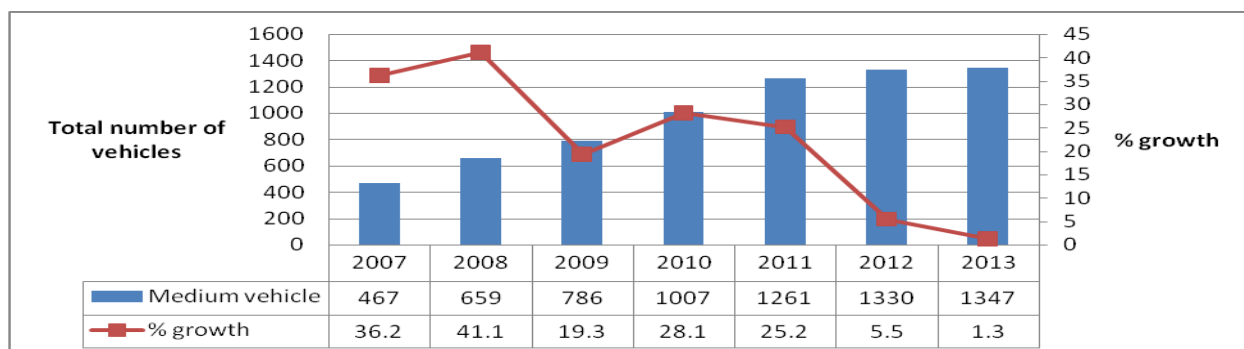


Source: Road Safety and Transport Authority

2.3.2. Medium Vehicles³⁴:

Medium vehicles in 2013 saw its total number reach 1,347 i.e. an increase by 17 numbers or 1.3% compared to 2012. As in the case of heavy vehicles, this category comprised of trucks used by hydropower projects

Chart 2.8: Showing total number of medium vehicles and % annual growth, 2007-2013



Source: Road Safety and Transport Authority

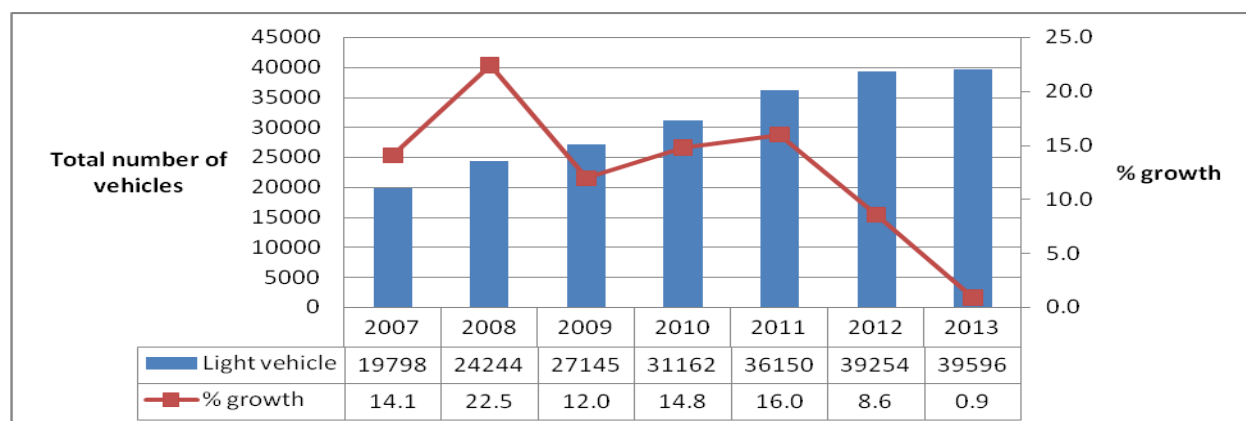
³³ Heavy vehicle is defined as motor vehicles exceeding 10 tons gross vehicle weight or a bus seating more than 25 adults (including the driver) and these are generally trucks for freight and passenger buses

³⁴ Medium vehicles means a motor vehicle exceeding 3 tons but not exceeding 10 tons gross vehicle weight or a bus seating between 13 and 24 passengers

2.3.3. Light Vehicles³⁵:

342 new light vehicles were added on the Bhutanese roads in 2013 i.e. an increase of 0.9% from 2012, taking the total number of light vehicles to 39,596.

Chart 2.9: Showing total number of light vehicles and % annual growth, 2007-2013

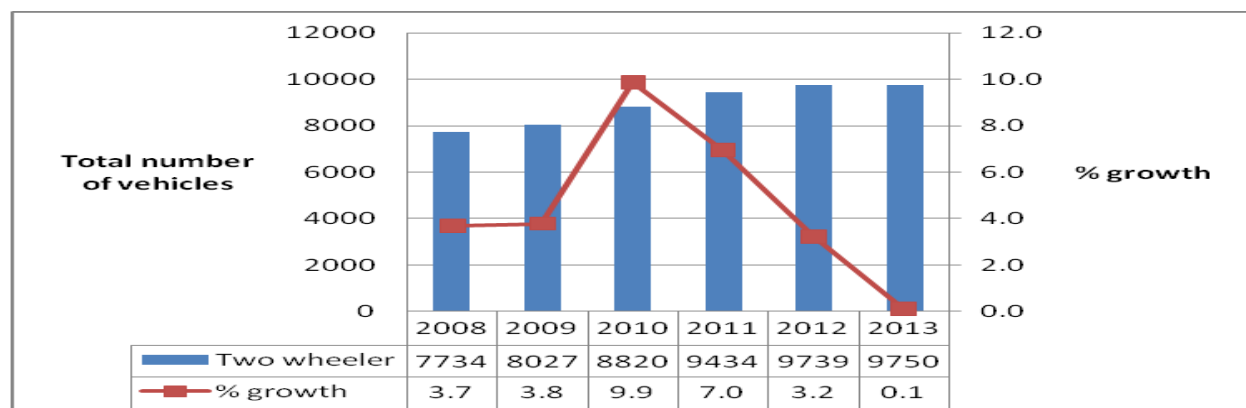


Source: Road Safety and Transport Authority

2.3.4. Two Wheelers³⁶:

In 2013, the two-wheelers segment saw a slight increase of 11 numbers or 0.1%, thereby taking the total number of two-wheelers to 9,750.

Chart 2.10: Showing total number of two-wheelers and % growth, 2008-2013



Source: Road Safety and Transport Authority

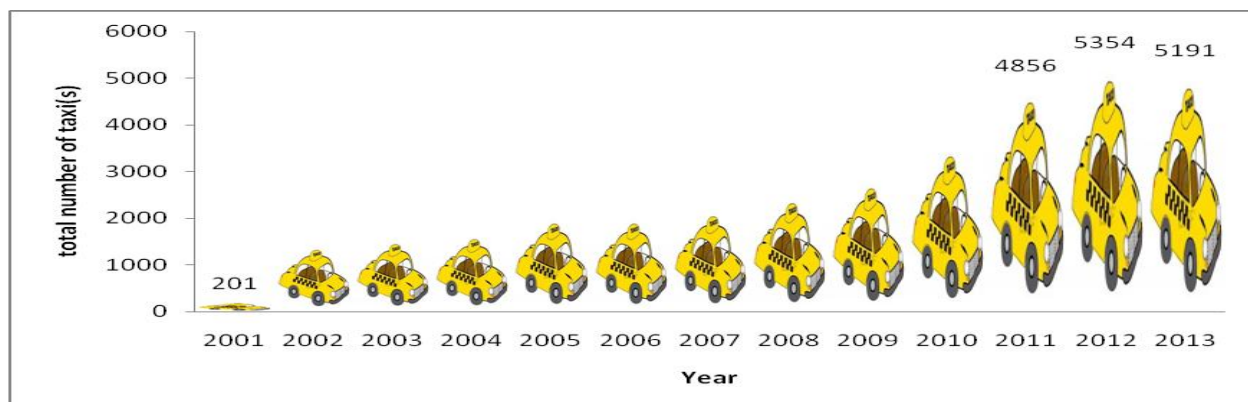
³⁵ Light vehicles means a motor vehicle (which is not a two-wheeler) seating not more than 12 adults (including the driver) and not exceeding 3 tones gross vehicle weight

³⁶ Two wheelers means a two-wheeled motor vehicle which has its own motive power but not human or animal power

2.3.5. Taxi:

Total number of Taxis in the country decreased by about 3% in 2013 or by 163 numbers compared to 2012. Gelephu region saw the maximum drop in the number of taxis in the country i.e. by 6.9% followed by Samdrupjongkhar, Thimphu and Phuentsholing region respectively.

Chart 2.11: Total number of taxis, 2001-2013.



Source: Road Safety and Transport Authority

Table 2.11: Showing taxi distribution, by region and year, 2009-2013

Sl. No.	Region	Number of Taxis				
		2009	2010	2011	2012	2013
	National Wide	2859	3599	4856	5354	5191
	% Growth	13.9	25.9	34.9	10.3	-3.04
1	Thimphu	1983	2488	3305	3617	3508
	% Growth	13.44	25.47	32.84	9.4	-3.01
	% Share (region wise)	69.4	69.1	68.1	67.6	67.6
2	Phuentsholing	773	976	1343	1514	1475
	% Growth	17.84	26.26	37.6	12.7	-2.6
	% Share (region wise)	27	27.12	27.7	28.3	28.4
3	Gelephu	60	97	151	160	149
	% Growth	30.4	61.67	55.67	6	-6.9
	% Share (region wise)	2.1	2.7	3.11	3	2.9
4	Samdrupjongkhar	43	38	57	63	59
	% Growth	38.71	-11.63	50	10.5	-6.3
	% Share (region wise)	1.5	1.1	1.17	1.2	1.1

Source: Road Safety and Transport Authority

2.4. Motor Vehicle Crashes and Casualties

2.4.1. Motor Vehicle Crashes and Casualties:

Table 2.12: Motor vehicle crashes and casualties, 2005-2013

Year	Number of motor vehicle crashes	Death	Injured
2005	696	39	247
2006	940	71	389
2007	523	40	335
2008	995	92	488
2009	1436	77	579
2010	1260	79	611
2011	1374	104	623
2012	1350	96	611
2013	1023	59	601

Source: Traffic Police, Royal Bhutan Police

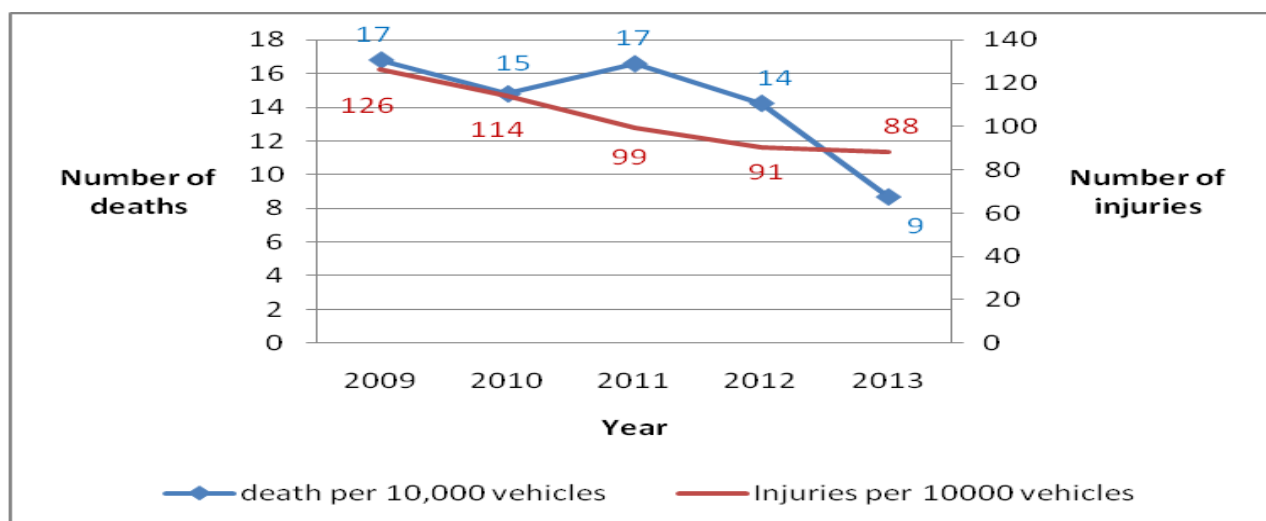
Table 2.13: Showing detailed motor vehicle crashes and casualties, by police station, 2013

Name of Division/ Name of Police Stations	Motor vehicle crashes	Deaths	Injured	Pedestrian accidents	Student accidents
Traffic Police Stations, Thimphu	741	6	391	57	29
Paro Police Stations	30	3	15	4	0
Haa Police Station	1	0	1	0	0
Punakha Police Station	5	4	6	1	0
Wangdue Police Station	38	9	27	16	0
Gasa Police Station	1	1	0	0	0
Phuentsholing Police Station	50	3	22	14	0
Pasakha Police Station	8	0	5	1	0
Gedu Police Station	41	6	44	16	0
Tsimasham Police Station	59	1	16	2	0
Samtse Police Station	2	1	1	0	0
Gomtu Police Station	0	0	0	0	0
Sipsoo Police Station	0	0	0	0	0
Chengmari Police Station	2	1	4	0	0
Dorakha Police Station	3	1	9	0	0
Gelephu Police Station	4	2	4	0	0
Zhemgang Police Station	1	1	0	1	0

Sarpang Police Station	5	5	4	0	0
Pangbang Police Station	2	0	5	0	0
Tsirang Police Station	4	1	4	0	0
Dagapela Police Station	0	0	0	0	0
Dagana Police Station	1	0	1	0	0
Trongsa Police Station	7	3	4	0	0
Bumthang Police Station	1	2	1	0	0
Samdrup Jongkhar Police Station	2	1	5	0	0
Pema Gatshel Police Station	1	1	2	0	0
Nganglam Police Station	1	0	1	0	0
Jomotshangkha Police Station	0	0	0	0	0
Trashigang Police Station	8	5	18	0	0
Wamrong Police Station	2	1	3	0	0
Trashhi Yangtse Police Station	0	0	0	0	0
Monger Police Station	0	0	0	0	0
Lhuntse Police Station	2	1	7	0	0
Gyelposhing Police Station	1	0	1	0	0
Total	1023	59	601	112	29

Source: Traffic Division, Royal Bhutan Police

Chart 2.12: Showing number of deaths and injuries per 10,000 vehicles, 2009-2013



Source: Traffic Division, Royal Bhutan Police

2.5. Causes of Motor Vehicles Crashes

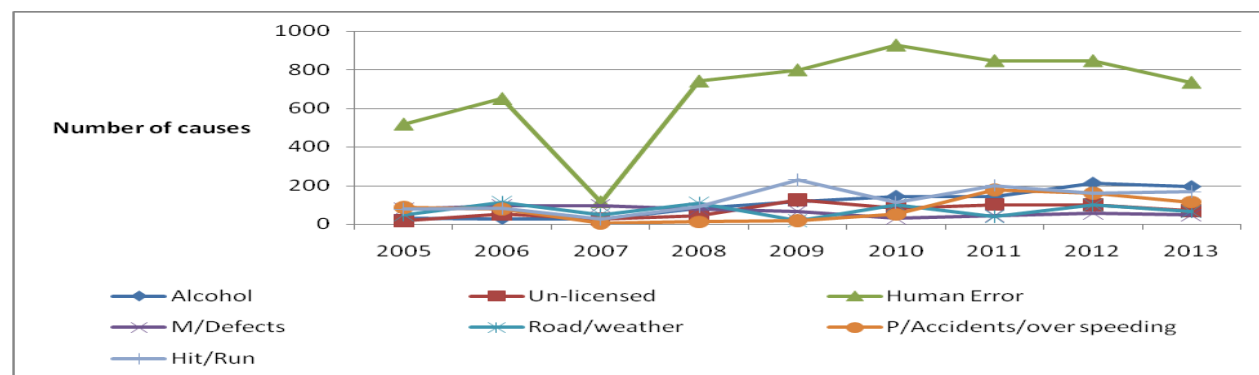
Table 2.14: Showing causes of motor vehicle crashes, 2013

Name of Division/ Name of Police Stations	Causes of the crashes						
	Alcohol	Un- Licensed	Mechani- cal defects	Hit & Run	Speeding	Road / Weather	Human Error
Traffic Police Stations, Thimphu	171	57	13	157	82	13	605
Paro Police Stations	4	3	5	1	4	4	8
Haa Police Station	0	0	0	0	0	0	0
Punakha Police Station	0	0	0	1	0	2	2
Wangdue Police Station	4	2	3	2	10	6	15
Gasa Police Station	0	0	0	0	0	1	0
Phuentsholing Police Station	6	0	2	3	5	6	40
Pasakha Police Station	0	0	1	0	0	2	5
Gedu Police Station	3	0	1	1	2	8	23
Tsimasham Police Station	3	1	13	0	3	17	25
Samtse Police Station	0	1	0	0	1	1	0
Gomtu Police Station	0	0	0	0	0	0	0
Sipsoo Police Station	0	0	0	0	0	0	0
Chengmari Police Station	0	0	1	0	1	0	1
Dorakha Police Station	0	0	1	0	0	1	1
Gelephu Police Station	0	1	1	0	1	1	0
Zhemgang Police Station	0	0	0	0	0	0	1
Sarpang Police Station	0	0	0	2	2	0	0
Pangbang Police Station	2	0	1	0	0	0	0
Tsirang Police Station	0	1	1	0	2	0	1
Dagapela Police Station	0	0	0	0	0	0	0

Dagana Police Station	0	0	1	0	0	0	0
Trongsa Police Station	1	0	0	0	2	2	2
Bumthang Police Station	0	0	1	0	0	0	0
Samdrup Jongkhar Police Station	0	0	0	0	0	1	1
Pema Gatshel Police Station	0	0	0	0	0	0	0
Nganglam Police Station	0	1	0	0	0	0	0
Jomotsangkha Police Station	0	0	0	0	0	0	0
Trashigang Police Station	0	2	1	0	0	0	2
Wamrong Police Station	0	1	0	0	0	0	1
Trashy Yangtse Police Station	0	0	0	0	0	0	0
Monger Police Station	0	0	0	0	0	0	0
Lhuntse Police Station	0	0	0	0	0	1	1
Gyelposhing Police Station	0	0	0	1	0	0	1
Total	194	70	46	168	115	66	735

Source: Traffic Division, Royal Bhutan Police

Chart 2.13: Showing causes of motor vehicle crashes, 2005-2013



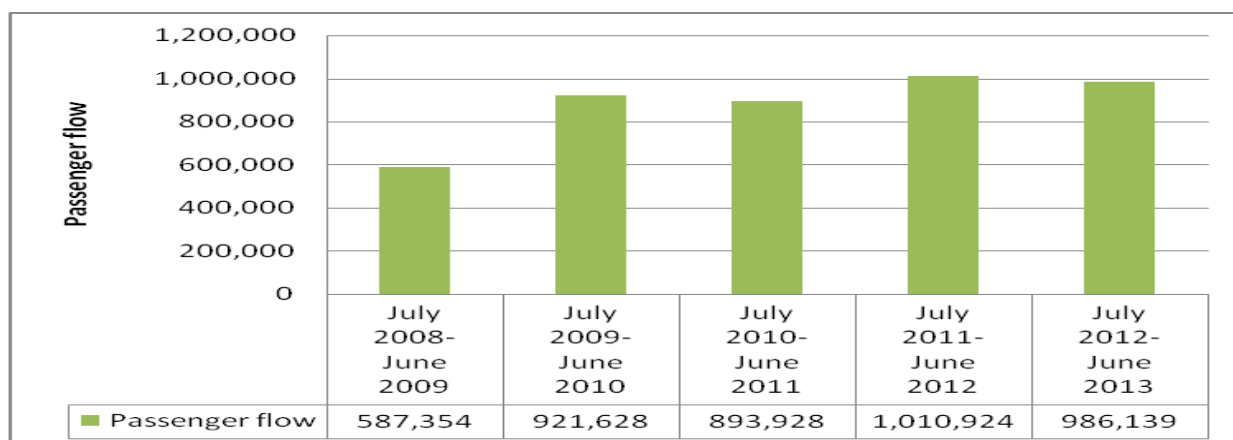
Source: Traffic Division, Royal Bhutan Police

As shown in chart 2.13, “Human Error” remains the main cause of motor vehicle crashes in the country.

2.6. Other useful information

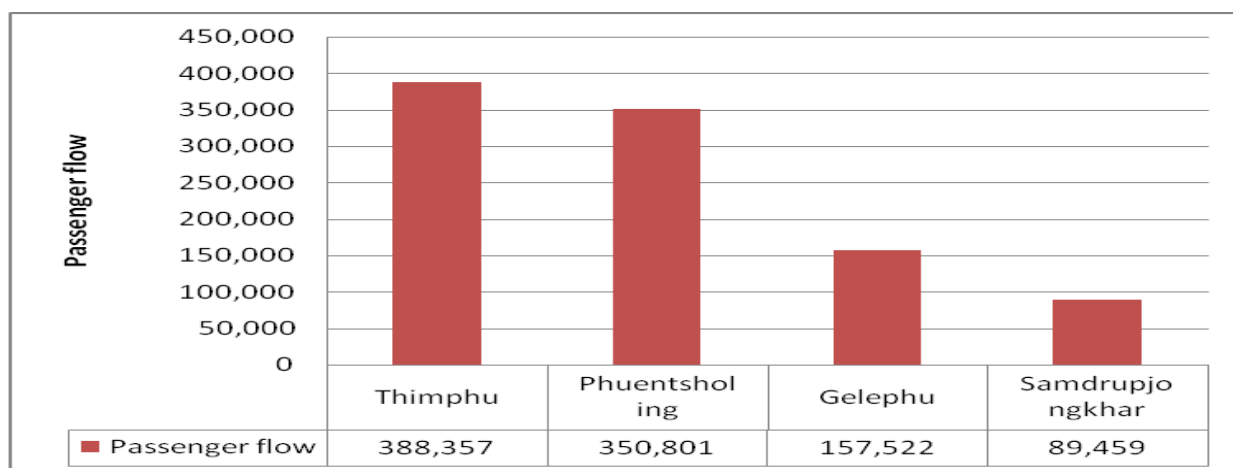
2.6.1. Passenger Flow:

Chart 2.14: Showing passengers carried by public transport buses on inter-city routes, July 2008-June 2013



Source: Road Safety and Transport Authority, MoIC

Chart 2.15: Showing region wise passenger flow, July 2012-June 2013



Source: Road Safety and Transport Authority

2.6.2. Driving license issued:

Table 2.15: Showing driving licenses issued, month wise, 2013

Driving License till 31st January 2013

Sl.No	Region	Ordinary License	Professional Driving license (PD)	Total (Exclusive of PD)
1	Thimphu	229	108	44017
2	Phuentsholing	39	32	9123
3	Gelephu	134	17	9741

4	Samdrupjongkhar	124	6	7756
	Total (Monthly)	526	163	
	Grand Total	70637	13615	84252

Driving License till 28th February 2013

Sl.No	Region	Ordinary License	Professional Driving license (PD)	Total (Exclusive of PD)
1	Thimphu	296	85	44313
2	Phuentsholing	24	20	9147
3	Gelephu	78	14	9819
4	Samdrupjongkhar	75	5	7831
	Total (Monthly)	473	124	
	Grand Total	71110	13737	84847

Driving License till 31st March 2013

Sl.No	Region	Ordinary License	Professional Driving license (PD)	Total (Exclusive of PD)
1	Thimphu	399	162	44711
2	Phuentsholing	134	31	9281
3	Gelephu	117	52	9936
4	Samdrupjongkhar	49	13	7880
	Total (Monthly)	699	258	
	Grand Total	71808	13992	85800

Driving License till 30th April 2013

Sl.No	Region	Ordinary License	Professional Driving license (PD)	Total (Exclusive of PD)
1	Thimphu	273	85	44984
2	Phuentsholing	52	24	9332
3	Gelephu	125	41	10061
4	Samdrupjongkhar	93	8	7973
	Total (Monthly)	543	158	
	Grand Total	72350	14145	86495

Driving License till 31st May 2013

Sl.No	Region	Ordinary License	Professional Driving license (PD)	Total (Exclusive of PD)
1	Thimphu	276	85	45260
2	Phuentsholing	98	13	9430
3	Gelephu	148	14	10209
4	Samdrupjongkhar	94	8	8067
	Total (Monthly)	616	120	
	Grand Total	72966	14264	87230

Driving License till 30th June 2013

Sl.No	Region	Ordinary License	Professional Driving license (PD)	Total (Exclusive of PD)
1	Thimphu	55	72	45314

2	Phuentsholing	24	12	9454
3	Gelephu	38	14	10247
4	Samdrupjongkhar	100	4	8167
	Total (Monthly)	217	102	
	Grand Total	73182	14363	87545

Driving License till 31st July 2013

Sl.No	Region	Ordinary License	Professional Driving license (PD)	Total (Exclusive of PD)
1	Thimphu	121	86	45433
2	Phuentsholing	33	17	9487
3	Gelephu	101	17	10347
4	Samdrupjongkhar	41	14	8208
	Total (Monthly)	296	134	
	Grand Total	73475	14496	87971

Driving License till 31st August 2013

Sl.No	Region	Ordinary License	Professional Driving license (PD)	Total (Exclusive of PD)
1	Thimphu	347	55	45780
2	Phuentsholing	63	15	9550
3	Gelephu	125	15	10472
4	Samdrupjongkhar	81	26	8289
	Total (Monthly)	616	111	
	Grand Total	74091	14607	88698

Driving License till 30th September 2013

Sl.No	Region	Ordinary License	Professional Driving license (PD)	Total (Exclusive of PD)
1	Thimphu	130	62	45910
2	Phuentsholing	68	10	9618
3	Gelephu	148	15	10620
4	Samdrupjongkhar	43	21	8332
	Total (Monthly)	389	108	
	Grand Total	74480	14715	89195

Driving License till 31st October 2013

Sl.No	Region	Ordinary License	Professional Driving license (PD)	Total (Exclusive of PD)
1	Thimphu	294	49	46204
2	Phuentsholing	162	73	9780
3	Gelephu	143	31	10763
4	Samdrupjongkhar	62	19	8394
	Total (Monthly)	661	172	
	Grand Total	75141	14887	90028

Driving License till 30th November 2013

Sl.No	Region	Ordinary License	Professional Driving license (PD)	Total (Exclusive of PD)
1	Thimphu	213	31	46417
2	Phuentsholing	26	22	9806
3	Gelephu	153	12	10916
4	Samdrupjongkhar	54	5	8448
	Total (Monthly)	446	70	
	Grand Total	75587	14957	90544

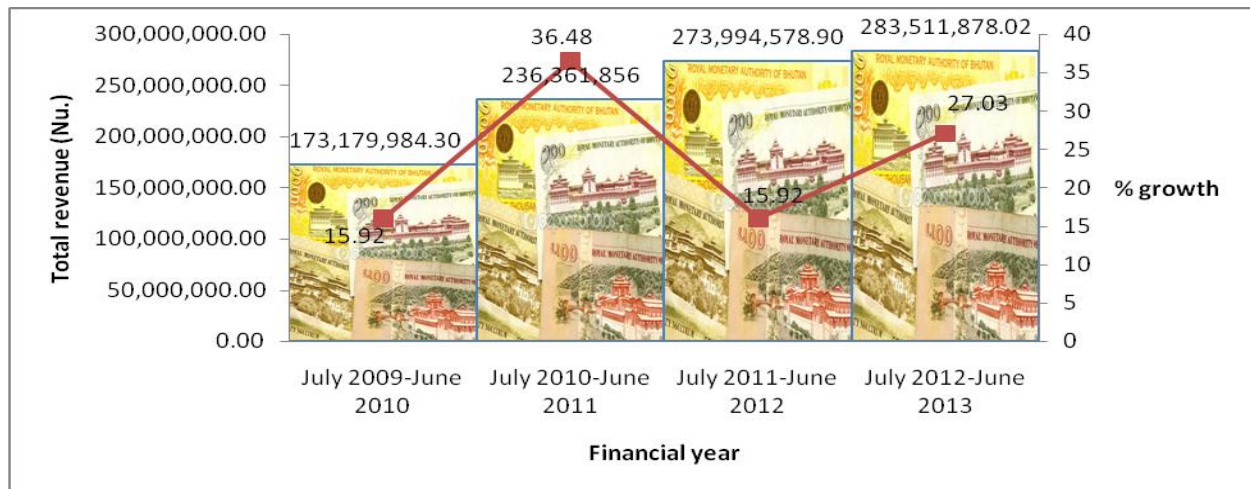
Driving License till 31st December 2013

Sl.No		Ordinary License	Professional Driving license (PD)	Total (Exclusive of PD)
1	Thimphu	171	48	46588
2	Phuentsholing	96	15	9902
3	Gelephu	86	1	11002
4	Samdrupjongkhar	48	1	8496
	Total (Monthly)	401	65	
	Grand Total	75988	15022	91010

Source: Road Safety and Transport Authority

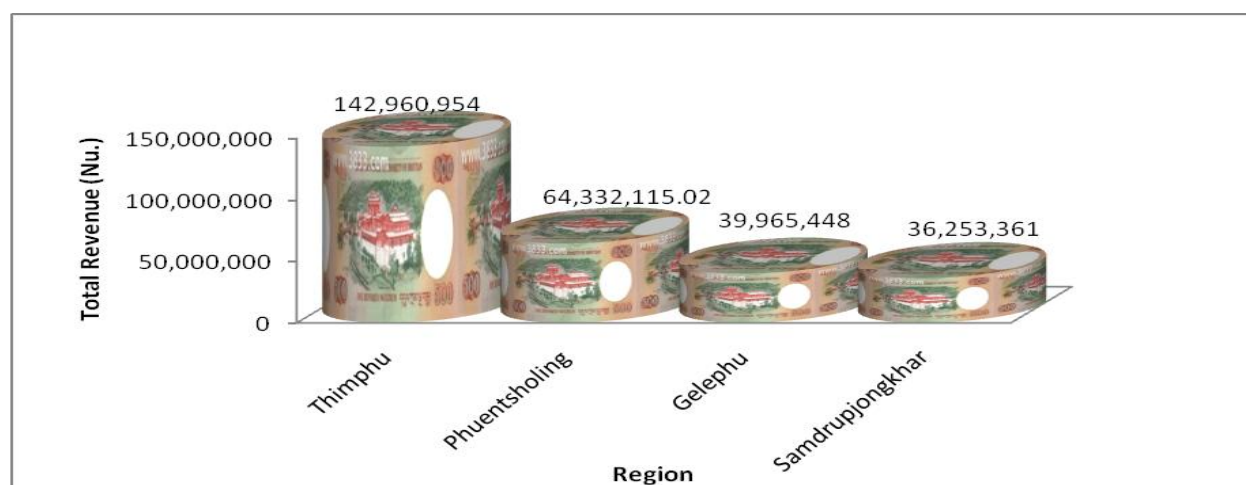
2.6.3. Revenue from motor vehicles and related sources:

Chart 2.16: Showing total revenue collected by RSTA with % growth, July 2008-June 2013



Source: Road Safety and Transport Authority

Chart 2.17: Showing total revenue collected by RSTA, region wise, July 2012-June 2013



Source: Road Safety and Transport Authority

2.6.4. MoIC staff strength

Category	Secretariat ³⁷						DoIM ³⁸	DITT ³⁹	RSTA ⁴⁰	DCA ⁴¹
	Minister's Office	Secretary's Office	AFD	PPD	HRD	ICT				
Minister	1									
Executive & (EX3 and above)	0	1	0	0	0	0	1	1	1	1
Specialist (ES3 and above)	0	0	0	0	0	0	0	0	0	0
P1 Level	0		0	1	1	0	2	2	5	3
P2 Level	0		3	1	0	1	0	4	1	6
P3 Level	0		0	2	1	0	0	7	4	4
P4 Level	0		1	2	0	1	0	24	4	14

³⁷ Secretariat: AFD: Administrative and Finance Division, PPD: Policy and Planning Division, HRD: Human Resource Division, ICT: ICT Section

³⁸ Department of Information and Media

³⁹ Department of Information Technology and Telecom

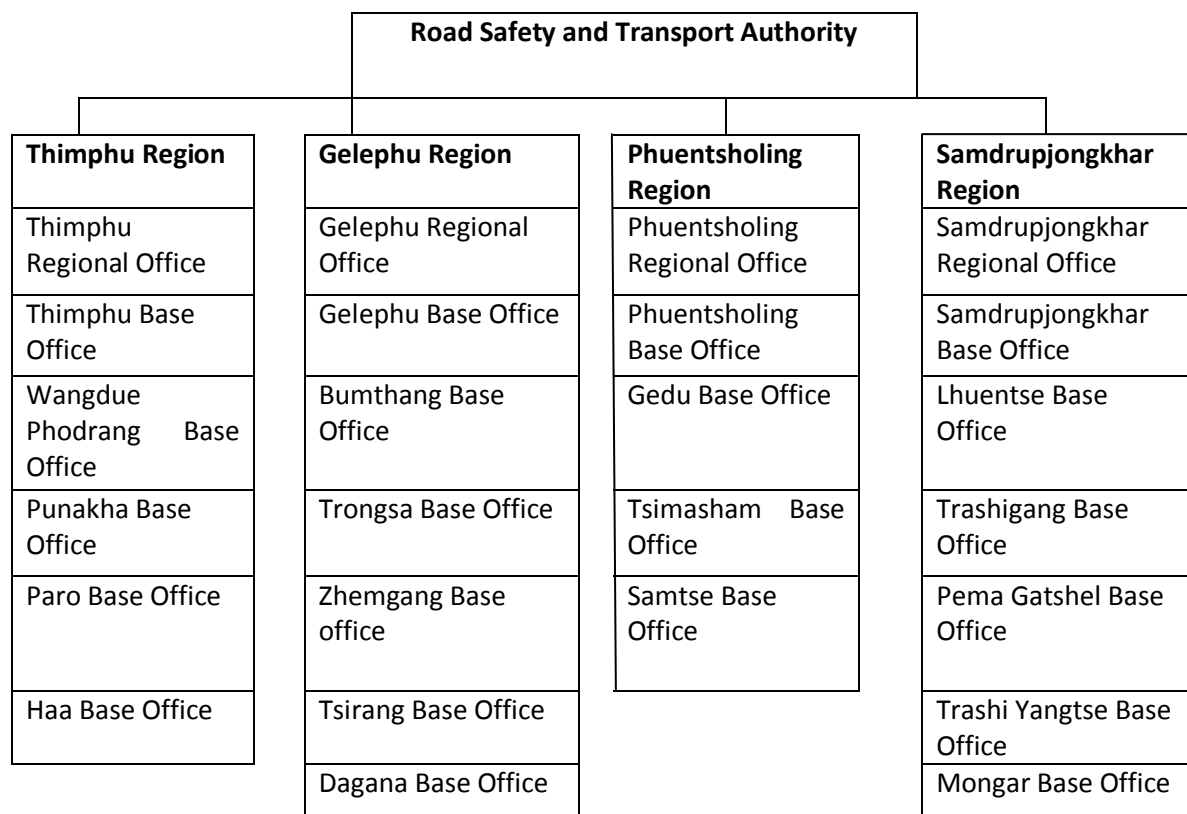
⁴⁰ Road Safety and Transport Authority

⁴¹ Department of Civil Aviation

P5 Level	0		4	1	3	1	5	6	8	5
S1 Level			4	1	0	0	3	0	15	10
S2 Level			0	0	0	0	0	2	18	25
S3 Level	1		1	0	0	0	0	0	24	8
S4 Level			1	0	0	0	2	0	17	40
S5 Level	1		1	0	1	0	1	2	14	105
O1 Level			0	0	1	0	1	0	3	5
O2 Level		1	0	0	0	0	0	1	2	0
O3 Level			2	0	0	0	0	2	4	9
O4 Level	1		3	1	0	0	1	1	5	4
GSP	1	1	2	0	0	0	2	1	5	3
ESP			3	0	0	0	0	1	12	16
Total	5	3	25	9	7	3	18	54	142	258
Grand Total										524

2.6.5. Information on Road Safety and Transport Authority structure

Details on regional and base office under Road Safety and Transport Authority are given below:



Technical Notes

1. Fixed Telephone Lines per 100 Inhabitants

Fixed Telephone lines refer to telephone lines connecting a customer's equipment i.e. telephone set to Public Switched Telephone Network and which have a dedicated port on public payphones. Fixed telephone line per 100 inhabitants is calculated by dividing the number of fixed lines by the population and multiplying by 100.

2. Mobile cellular per 100 inhabitants.

Mobile cellular per 100 inhabitants is obtained by dividing the number of mobile cellular subscriptions by number of mobile cellular subscriptions by the population and multiplying by 100.

3. Internet users per 100 inhabitants

Internet users in the bulletin refers only to those who are connected with either lease line or dial up connections. Internet users per 100 inhabitants is calculated number of users with internet connections by total population multiplied by 100.

4. Fixed Broadband Internet subscribers

Fixed broadband Internet subscribers refers to subscribers who pay for high speed access to the public Internet at speeds equals to, or greater than, 256 kbps. Fixed broadband internet subscribers per 100 inhabitants is calculated by dividing the population of the country and by multiplying by 100.

5. Mobile Broadband Subscriber per 100 inhabitants

Mobile broadband internet subscribers per 100 inhabitants is calculated by dividing the population of the country and by multiplying by 100.

Annexure 1

3G coverage, Bhutan Telecom
<u>1. Thimphu</u>
<i>Effective coverage areas:</i> Taba, Dechenphodrang, Lanjophakha, Mothitang, Town, NPP Colony, Kalabazar, Changzamto, Changjiji, Lungtenphu, Olakha, Simtokha, Hospital, IT Park (Almost all part of Thimphu)
<i>Partial coverage areas:</i> Above Dechencholing Army Camp, Beyond Thimphu gate Babesa.
<u>2. Phuentsholing</u>
<i>Effective coverage areas:</i> Whole Town Area, Omchu, Damdara, Exchange Area, etc.
<i>Partial coverage areas:</i> Kabetar, Adjacent area to the above mentioned sites
<u>3. Paro</u>
<i>Effective coverage areas:</i> Town, Bondey, Airport, Sansam, Tsendona
<i>Partial coverage areas:</i> Area adjacent to the above mentioned sites
<u>4. Wangdue</u>
<i>Effective coverage areas:</i> Bajo Town, Army Colony
<i>Partial coverage areas:</i> Beyond Old Wangdue Town, Dzong Area
<u>5. Rinchending & CST</u>
<i>Effective coverage areas:</i> CST college, Army Quarters, Resort at Rinchending , Checkpost
<i>Partial coverage areas:</i> Road leading to Pasakha , Road leading to Rametey
<u>6. Gedu</u>
<i>Effective coverage areas:</i> College Area (Hostel and Adm. area), Town, Exchange
<i>Partial coverage areas:</i> Beyond the upper and lower town
<u>7. Gelephu</u>
<i>Effective coverage areas:</i> Town, Rabdeling, Zomlingthang
<i>Partial coverage areas:</i> Area adjacent to above mentioned sites
<u>8. Samdrupjongkhar</u>
<i>Effective coverage areas:</i> Town Area, Hospital Area, Dzong Area
<i>Partial coverage areas:</i> Daranga India
<u>9. Kanglung</u>
<i>Effective coverage areas:</i> Town, College Area, Dantak Camp
<i>Partial coverage areas:</i>

<u>10. Mongar</u>
<i>Effective coverage areas:</i> Town, Hospital Area, Dzong Area, Wangchuk Resort, Exchange, RSTA office, School Area (High school as well as LSS)
<u>11. Damphu</u>
<i>Effective coverage areas:</i> Damphu town, Damphu Higher Secondary school, Damphu lower secondary school, Tsirang Dzong, Dhajey, Tsirang rabdey dratshang and residential areas below it.
<u>12. Samtse</u>
<i>Effective coverage areas:</i> Samtse town, College of Education, Gurung Basti, RBA, Devithang, Hospital, AWP & BFPL, Main Checkpost, VIP Residence, RRCO and Dzong Area
<i>Partial Coverage areas:</i> Gairigoan and BPC colony, and Bhudhuni
<u>13. Trongsa</u>
<i>Effective coverage areas:</i> Sherubling, Trongsa town and the Dzong area
<u>14. Jakar</u>
<i>Effective Coverage areas:</i> New Court Area, Whole Chamkhar town, Jalikhar Area, Bathpalathang, Domestic airport, Kenchosum Lhakhang, RNR-CE, Kharchu Dratshang, Wangdicholing Resort Area, Garpang Power substation, Jakar Village & Police colony, Jakar Dzong, Jakar High School, Lamoigonpa (UWICE), Wangdicholing Middle Secondary School, Wangdicholing Dzong and New Town & Hospital area.
<u>15. Trashigang</u>
<i>Effective Coverage areas:</i> Main town, RSTA office, MoLHR office, Upper market, Police station, Telecom exchange
<i>Partial Coverage areas:</i> Dzong area