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Statistical Yearbook of Bhutan 2015

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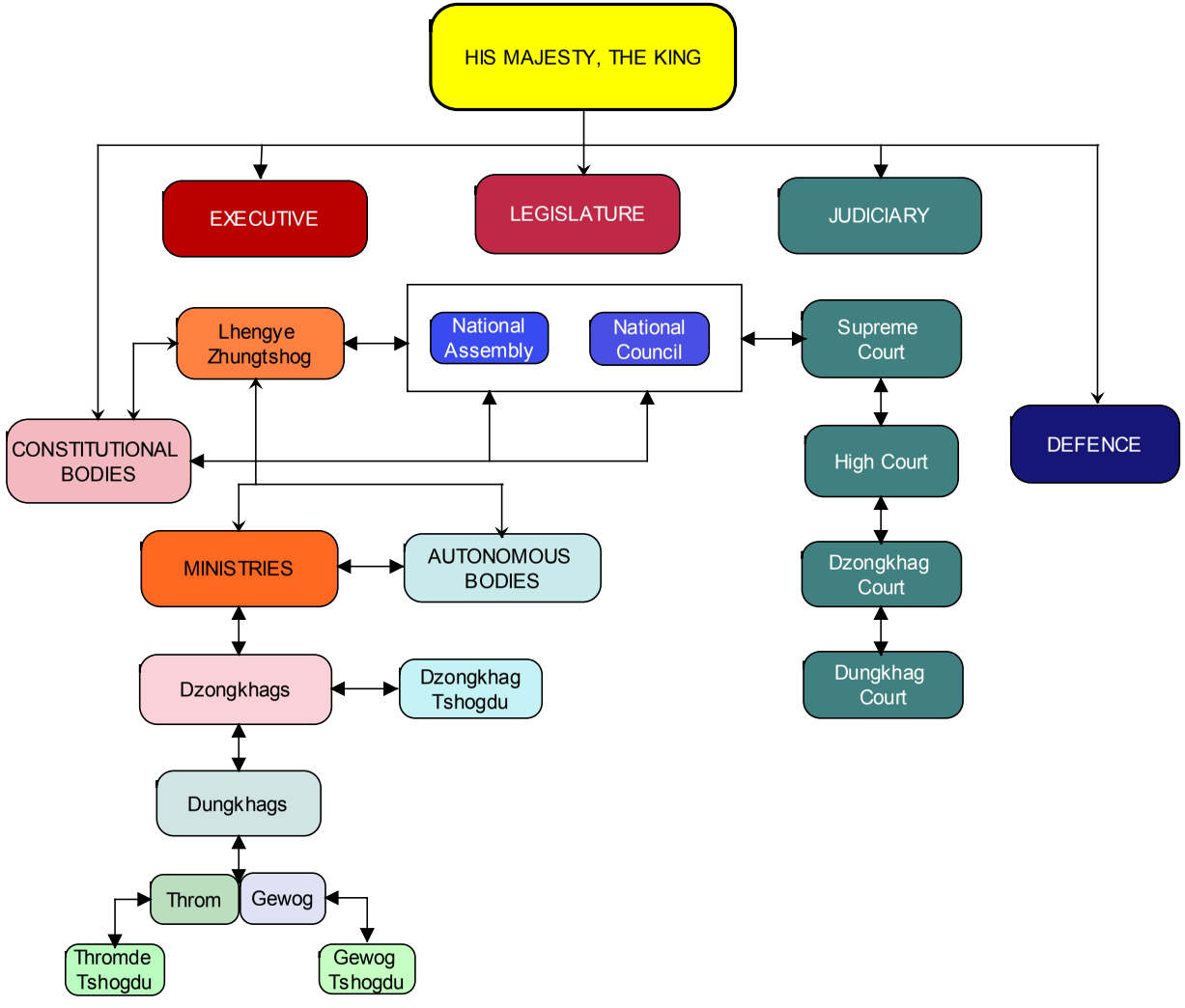
ORGANOGRAM OF THE ROYAL GOVERNMENT OF BHUTAN



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PREFACE

This Statistical Yearbook of Bhutan (SYB) 2015 publication is the 33rd edition. It is a comprehensive and systematic compendium of basic statistical information on the country's socio-economic conditions.

The SYB is expected to serve as the principal source of information for planners, policy makers, researchers and academicians both within and outside Bhutan. The compilation is based on information gathered through periodic statistical censuses and surveys, as well as from administrative data maintained by various ministries, agencies, corporations and private organizations. This publication is also available through electronic services at www.nsb.gov.bt

Every effort has been made to ensure that this publication meets acceptable statistical standards. Data validation, compilation and updating protocols have been strictly observed with all the data disseminating/providing agencies. New data series on topics of interest are included as and when available. Brief explanatory notes on coverage and data sources, wherever possible, have also been provided for the benefit of the users.

Therefore, the NSB would like to acknowledge the contribution of different ministries, agencies, corporations and private organizations that provided data and information for SYB 2015. In order to improve the quality of the forthcoming issues, we solicit comments and suggestions from the users of this yearbook.

Director General
National Statistics Bureau

NOTES FOR USERS

1. Unless otherwise indicated, the present issue of the Yearbook contains statistics available as of December, 2014.
2. For some tables, there are footnotes indicating information specific to each figure in the table.
3. The following notations are used in the tables:

...	not available/not applicable
()	negative figures
CY	calendar year (from January to December)
FY	fiscal year (from July to June, example: 2013/14)

4. Detail figures in the tables may not add up to the totals because of rounding.
5. When contents of this book are to be quoted or copied in other publication/report, please give due credit by referring the title of this yearbook *(Example)* ***Source: Statistical Yearbook of Bhutan 2015, National Statistics Bureau.***
6. For additional information on data or for any other queries, please refer to the original source or National Statistics Bureau.

Numbering and Scientific notations

Hundred	=	10^2
Thousand	=	10^3
Million	=	10^6
Billion	=	10^9
Trillion	=	10^{12}

A. Length Measurement

Metric Equivalents

10 mm	=	1 cm
10 cm	=	1 dm
10 dm	=	1 m
10 m	=	1 dkm
10 dkm	=	1 hm
10 hm	=	1 km

Abbreviations

mm	=	millimeter
cm	=	centimeter
m	=	meter
dm	=	decimeter
dkm	=	dekameter
hm	=	hectometer

I. British Units

12 inches	=	1 foot
3 feet	=	1 yard
5.5 yards	=	1 rod, pole
4 poles	=	1 chain
10 chains	=	1 furlong
8 furlongs	=	1 mile

II. Conversion from British to Metric Units (lengths)

1 inch	=	2.539998 cm	1 m	=	39.3370113 inches
1 foot	=	0.3047997 m	1 m	=	3.280843 feet
1 yard	=	0.9143992 m	1 m	=	1.093614 yard
1 mile	=	1.609343 km	1 k	=	0.6213717 miles
1 nautical mile	=	1.853182 km			

B. Area Measurements

I. British Units

144 square inches	=	1 square foot
9 square feet	=	1 square yard
30 1/4 yards	=	1 square rod, pole
40 square rod	=	1 rood
4 roods	=	1 acre
640 acres	=	1 square miles

II. Metric Units

100 square mm	=	1 square cm
100 square cm	=	1 square dm
100 square dm	=	1 square m
100 square m	=	1 acre
100 square acres	=	1 hectare
100 hectares	=	1 square km

III. Conversion from British to Metric Units (Area)

1 square yard	=	0.836 square m
1 square feet	=	0.093 square m
1 square inch	=	6.452 square cm
1 square m	=	1.196 square yard
1 square cm	=	0.155 square inch
1 square mile	=	2.590 square km
1 square km	=	0.386 square mile

C. Weight Measurements

I. British Units

16 dram	=	1 ounce
16 ounces	=	1 pound
112 pounds	=	1 cwt (hundredweight)
20 cwt	=	1 ton
14 pounds	=	1 stone

II. Metric Units

10 mg	=	1 cg
10 cg	=	1 dg
10 dg	=	1 g
10 g	=	1 dkg
10 dkg	=	1 hg
10hg	=	1 kg
100 kg	=	1 quintal
200 m	=	1 carat

III. Conversion from British to Metric Units

1 grain	=	0.0648 g
1 ounce	=	31.103 g
1 g	=	15.432 grains
1 pound	=	0.373 kg
1 tone	=	1.016 metric tones

D. Conversion of Air Temperatures

I. Degree Celsius to degree Fahrenheit.
(9 x T)/5 + 32, where ***"T"*** is temperature in degree Celsius.

II. Fahrenheit to degree Celsius.
5 x (T - 32)/9, where ***"T"*** is temperature in Fahrenheit.

KEY FACTS ABOUT BHUTAN

Land Area (Sq. km)	38,394
Forest Cover (percent)	70.5%
Projected Population (in nos.), 2015	757,042
Natural Population Growth Rate (percent), PHCB 2005	1.3
Average Household Size, (BMIS, 2010)	4.6
National Language	Dzongkha
National Currency	Ngultrum (Nu.)
Number of Hospitals, 2014	31
Number of Doctors, 2014	244
Number of Civil Servants, (as of 31st December 2014)	26,320
Number of Schools, Institutes, Daycare & NFE Centers, 2014	1,948
Number of Teachers (Including Institutes & NFE), 2014	10,561
Number of Students (Including Institutes & NFE), 2014	218,778
Labour Force Participation Rate, (LFS 2014)	62.6
Unemployment Rate, (LFS 2014)	2.6
Telephone Sets in Use, 2014	26,952
B-Mobile Subscriber (Nos.), 2014	454,543
Tashicell Subscriber (Nos.), 2014	161,993
Postal Infrastructure (Nos.), 2014	128
Total Road Length (Km.), 2014	10,712.9
Number of Registered Vehicles, 2014	69,602
Electricity Generation (MU), 2014	7,164.16
Electricity Exports (MU), 2014	5,146.60
Tourist Arrivals (dollar paying tourist), 2014	57,431
Revenue Earned from Tourism (million US $), 2014	73.20
Total Industrial Establishments, 2014	69,847
Balance of Trade (million Nu.), 2014	(31,614.16)
Exchange Rate (Calendar Year), Nu. Per US $, 2014	61.47
Gross International Money Reserves (million US $), 2013/14	997.89
Total Eleventh Plan Budgetary Outlay (million Nu.) 2013-2018	213,291.46
GDP at Current Price (million Nu.), 2014	119,545.75
Annual Average Inflation Rate (percent), 2014	8.27
Purchasing Power of Nu. 2014 (Base Year =2012)	86.36

Location and Extent

Bhutan is a small and landlocked country, situated between China *(Tibet)* and India. It has an area of 38,394 square kilometers. It has east-west dimension (longest) stretching around 300 kilometers and 170 kilometers at its maximum north-south dimension. Bhutan is located in the eastern Himalayas and is mostly mountainous and heavily forested. It shares 470 kilometers long border with Tibet *(China's Xizang Autonomous Region)* in the north and northwest, 605 kilometers with the Indian state of Sikkim in the west, West Bengal in the southwest, Assam in the south and southeast, and Arunachal Pradesh in the east.

About 70 percent of the Kingdom is covered with forests; 7 percent with year-round snow and glaciers; nearly 3 percent is cultivated or agriculture areas; and 4 percent as meadows and pastures, while rest of the land is either barren, rocky or scrubland.

Relief and Surface Features

Bhutan is one of the most rugged mountain terrains in the world. It has elevations ranging from 160 meters to more than 7,000 meters above sea level. Bhutan's highest peak Jhomo Lhari, overlooking the Chumbi Valley in the west, is 7,314 meters above sea level.

In the north, the snowcapped Great Himalayan Range reaches heights of over 7,500 meters above sea level and extends along the Bhutan-China border. The northern region consists of an arc of glaciated mountain peaks with an arctic climate at the highest elevations. Alpine valleys in this region provide pasturage for livestock tended by a sparse population practicing transhumance.

The Inner Himalayas are southward spurs of the Great Himalayan Range. The Black Mountains, in central Bhutan, form a watershed between two major river systems, the Mo Chhu and the Drangme Chhu. Peaks in the Black Mountains range between 1,500 meters and 2,700 meters above sea level, and the fast-flowing rivers have carved out spectacular gorges in the lower mountain areas. The woodlands of the central region provide most of Bhutan's valuable forest production. Eastern Bhutan is divided by yet another southward spur. Western Bhutan has fertile, cultivated valleys and terraced river basins.

In the south, the Southern Hills, or Siwalik Hills, the foothills of the Himalayas, are covered with dense deciduous forest, alluvial lowland river valleys, and mountains that reach to around 1,500 meters above sea level. The foothills descend into the subtropical plain.

Climate and Vegetation

The country is divided into three distinct climatic zones: alpine, temperate and subtropical zone. Bhutan's climate is as varied as its altitudes and, like most of Asia, it is affected by the monsoons. The climate is humid and subtropical in the southern plains and foothills, temperate in the inner Himalayan valleys of the central regions, and cold in the north, with year-round snow on the main Himalayan range.

Temperatures vary according to elevation. Most of the central portion of the country experiences a cool, temperate climate year round. In the south, a hot, humid climate helps maintain a fairly even temperature range of between 15° C and 30° C year-round, although temperatures sometimes reach beyond 35° C in the valleys during the summer.

Annual precipitation ranges widely in various parts of the country. In the severe climate of the north, there is only about forty millimeters of annual precipitation--primarily snow. In the temperate central regions, a yearly average of around 1,000 millimeters is more common, and 7,800 millimeters per year has been registered at some locations in the humid, subtropical south, ensuring the thick tropical forest. Thimphu experiences dry winter months (December through February) and almost no precipitation until March, when rainfall averages 20 millimeters a month and increases steadily thereafter to a high of 220 millimeters in August for a total annual rainfall of nearly 650 millimeters.

Bhutan's generally dry spring starts in early March and lasts until mid-April. Summer weather commences in mid-April with occasional showers and continues through the early monsoon rains of late June. The summer monsoon lasts from late June through late September with heavy rains from the southwest. The monsoon weather, blocked from its northward progress by the Himalayas, brings heavy rains, high humidity, flash floods and landslides, and numerous misty, overcast days. Autumn, from late September or early October to late November, follows the rainy season. It is characterized by bright, sunny days and some early snowfalls at higher elevations. From late November until March, winter sets in, with frost throughout much of the country and snowfall common above elevations of 3,000 meters. The winter northeast monsoon brings gale-force winds down through high mountain passes.

There is a pronounced difference in the vegetation cover in three different zones of the country and it is mostly due to the prevalence of varied climatic conditions across the kingdom. The southern foothills are mostly covered by the dense and thick deciduous trees while the inner regions are dotted by an infinite variety of plants, flowers and trees including birch, pine, chestnut, oak, apples, peaches and plums are also grown in the fertile valleys. The northern part with the tundra type of climate allows the growth of coniferous trees and other alpines growths like magnolia, rhododendrons, birch, fir, spruce etc… The vegetation is overall expression of various ecological factors, and it is one of the basic analytical tools for developing and understanding the mountain environment.

Drainage Pattern

Fed by fresh snow each winter and slow melting in the summer, the glaciers bring millions of liters of fresh water to Bhutan and downriver areas each year. Bhutan has four major river systems: the Drangme Chhu; the Puna Tsang Chhu; the Wang Chhu; and the Amo Chhu. Each flows swiftly out of the Himalayas, southerly through the Duars to join the Brahmaputra River in India. The largest river system, the Drangme Chhu, flows southwesterly from India's state of Arunachal Pradesh and has three major tributaries: the Drangme Chhu, Mangde Chhu, and Chamkhar Chhu. These rivers form the Drangme Chhu basin. In the Duars, where eight tributaries join, the Drangme Chhu is called the Manas Chhu. The 320-kilometer-long Puna Tsang Chhu rises in northwestern Bhutan as the Mo Chhu and Pho Chhu, which are fed by the snows and glaciers from the Great Himalayan Range. They flow southerly to Punakha, where they join to form the Puna Tsang Chhu, which flows southerly into India's state of West Bengal. The Wang Chhu, which is 370 kilometers flows southeasterly through west-central Bhutan, drains the Ha, Paro, and Thimphu valleys, and continues through the foothills, before it finally drains into West Bengal. The smallest river system, the Torsa Chhu, known as the Amo Chhu in its northern reaches, flows swiftly through western Bhutan before broadening near Phuntsholing and then flowing into India. Glaciers in northern Bhutan, which cover about 10 percent of the total surface area, are an important renewable source of water for Bhutan's rivers.

Government

On 17th December 1907, the civil and monastic representatives unanimously crowned Ugyen Wangchuck as the first hereditary monarch of Bhutan. It was the strength and the farsightedness of Ugyen Wangchuck that for the first time Bhutan was united under a central authority providing the country with stability and opportunity for development. In 1926 his son Jigme Wangchuck succeeded Ugyen Wangchuck. The third Druk Gyalpo, Jigme Dorji Wangchuck began a campaign of modernization and expansion of Bhutan's government and society based on the accomplishments of his two predecessors in uniting the country under a strong central authority. Hence, the National Assembly consisting of representatives of the people, the Monastic order and civil administration was established in 1953.

The fourth Druk Gyalpo, Jigme Singye Wangchuk became the King in 1972. There had been steady decentralization of decision-making and institute building since then. His Majesty's philosophy of Gross National Happiness guided Bhutan into the 21st century. The most momentous change in the structure of the government came in 1998 after the devolution of the executive power by His Majesty the King to the Council of Ministers. The Fourth Druk Gyalpo initiated the drafting of Bhutan's first Constitution in 2001 and was eventually enacted in 2008. The King abdicated the throne in favour of the crown prince in 2006.

The fifth Druk Gyalpo, His Majesty King Jigme Khesar Namgyel Wangchuck acceded to the throne on December 14, 2006 and was crowned on November 6, 2008. The head of government is the Prime Minister, who is elected from the ruling political party.

Administrative System

The administrative system in the country consists of Central Government and Local Government. The Central Government comprises of Ministries, Departments and Autonomous bodies. The Local Government comprises of Dzongkhag Tshogdu, Gewog Tshogde and the Dzongkhag Thromde Tshongde.

In order to plan and review the development activities most efficiently in the Dzongkhag, the Dzongkhag Tshogdu was established in 1981. The Dzongkhag Tshogdu compromises of elected representatives of the people with its chairman elected among the Gups. Similarly, the Gewog Tshogde was established in 1991 to further decentralize the decision making process. The Gewog Tshogde comprises of Gup, Mangmi and Tshogpas. The main role of the Gewog Tshogde is to plan, prioritize and implement the developmental activities in their respective Gewogs.

The National Assembly

The National Assembly (Gyelyong Tshogdu) consists of 47 members who are elected representatives from the 47 Constituencies. The main functions of the National Assembly are to enact, amend or repeal laws and approve the national budget. The National Assembly also reviews and approves the Five Year Plans which are formulated by the government in consultation with the people of every Dzongkhag. It also deliberates on issues that affect the security and well-being of the country and promotes the welfare and happiness of the people. The National Assembly meets twice a year. However, if an important and emergency matter demands, special sessions of the National Assembly may be convened by the speaker. The duration of the National Assembly session is governed by the nature and scope of the points for discussion received from the people. A session normally lasts about three weeks. The speaker is the presiding officer of the House and is assisted by a Deputy Speaker. The day to day administration of the National Assembly rests with the secretariat which is headed by a secretary.

The National Council

The National Council was established in 2008 under Article 11 of the Constitution of Bhutan. There are 25 members of which 20 are elected by the people from 20 Dzongkhags and the remaining 5 are nominated by His Majesty, the Druk Gyalpo. Their tenure is for five years which commences from the date of the first sitting. The main functions of the National Council are to:

i. Ensure that the government safeguards the interest of the nation and fulfills the aspirations of the people through public review of polices and issues, bills and other legislation, and scrutiny of state functions.
ii. Act as the house of review on matters affecting the security and sovereignty of the country and the interests of the nation and people that need to be brought to the notice of His Majesty, the Druk Gyalpo, the Prime Minister and the National Assembly.

The National Council meets twice a year. However, special sessions may also be convened depending upon the needs. The chairperson, who is elected from 25 members of the National Council is the Presiding Officer of the House, and is assisted by a Deputy Chairperson. The National Council has seven working committees; namely the *House Committee, the Legislative Committee, the Economic Affairs Committee, the Social & Cultural Affairs Committee, the Natural Resources and Environment Committee, the Good Governance Committee and the Foreign Relation Committee*. Each committee has a minimum of seven members headed by a Chairperson who is elected from the seven members. The National Council is assisted in the discharge of its parliamentary functions by a secretariat which is headed by a Secretary General.

The Monastic Body

The Monastic Body comprises of the Central Monastic Body and the Rabdeys (Dzongkhag Monastic Body). The Central Monastic Body receives annual subsidy from the Government to manage and run its day to day affairs. The Monastic Body is the sole arbiter on religious matters. The Je-Khenpo (Chief Abbot) is the head of the monastic body and is responsible for the nation's religious affairs. He is chosen from among high ranking monks. Apart from being thoroughly versed in all branches of religious scholarship and practice, the candidate must also have undergone prolonged mediation. The present Je-Khenpo Trulku Jigme Chhoeda is the 70th in succession. He was appointed in 1996.

The Je-Khenpo is assisted by five high-ranking Lopens (Masters) viz. Dorji Lopen *acts as Deputy Je-Khenpo and the Chief of all Lopens (Masters)*, Yangbi Lopen *heads the liturgical division inclusive of Sacred Dances, Rituals Arts, and Metrical Ryhme*, Drabi Lopen *heads Lexicographical division that includes literature, grammar, lexicon, metrics and prosody*, Tshenyi Lopen *heads the division of Metaphysics and Logic* and Tsugla Lopen *is responsible for the higher studies of the monastic Body*. There are also monastic bodies in the Dzongkhags headed by Lam Neeten. He is assisted by Umzey, Kudrung and the lopens (teachers) of different areas.

CHAPTER 1 POPULATION

This chapter contains statistics on the basic attributes of population such as the size and the growth of population, its geographical distribution, its structure by sex and age etc. The principle source of data on population is the population and housing census of Bhutan 2005 (PHCB), which is conducted every ten years. The Population and Housing Census in Bhutan is first conducted in May 2005 as per the UN standards and had been enumerated using both *de facto* and *de jure* method. The census provides a complete count of the population according to a range of characteristics such as demography, health, education and other social aspects. It is useful not only because they provide a range of current population data but also used as a benchmark for making population estimates in non-census years and for population projections.

Fig. 1.1: Population pyramid, Bhutan 2005

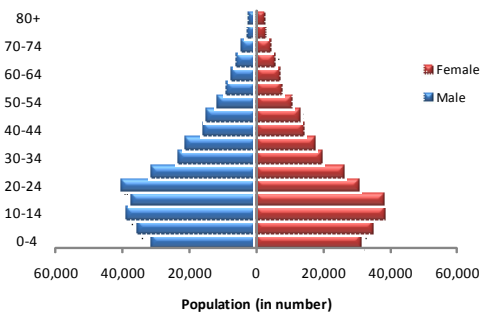
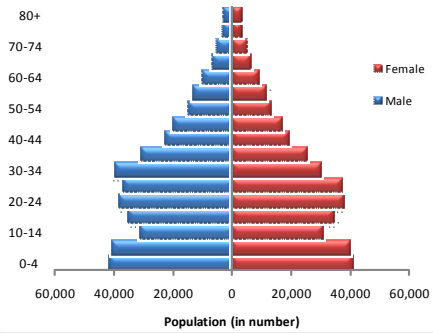


Fig. 1.2: Population pyramid, Bhutan 2015



The Population and Housing Census of Bhutan 2005 enumerated 634,982 persons out of which 333,595 persons are male and 301,387 are females. The urban population consists of 196,111 persons while 438,871 are in the rural areas.

The average annual rate of population growth is expected to decline from 1.8 percent in 2005-2010 to around 1.0 percent in 2020-2030.

The interpretations of demographic indicators are:

Crude Birth Rate: *Number of live births in a year per thousand population.*

General Fertility Rate: *Number of live births in a year per thousand women in the childbearing age (15 to 49).*

General Marital Fertility Rate: *A ratio of number of births to 1000 married women in the reproductive ages.*

Total Fertility Rate: *Average number of children born by women during their reproductive span of life.*

Crude Death Rate: *Number of deaths in a year per thousand population.*

Infant Mortality Rate: *Number of deaths during first year of life per thousand live births.*

Rate of Natural Increase: *The difference between the crude birth rate and the crude death rate.*

Index of Aging: *It is the number of persons aged 65 and over as a percentage of the number of persons aged 0 to 14.*

Table 1.1: Projected Population by Sex, Bhutan (2010 - 2030)

Year	Persons			Percent		
	Male	Female	Total	Male	Female	Total
2010	363,383	332,439	695,822	52.2	47.8	100
2011	369,476	338,789	708,265	52.2	47.8	100
2012	375,554	345,125	720,679	52.1	47.9	100
2013	381,582	351,422	733,004	52.1	47.9	100
2014	387,520	357,633	745,153	52.0	48.0	100
2015	393,324	363,718	757,042	52.0	48.0	100
2016	398,948	369,629	768,577	51.9	48.1	100
2017	404,347	375,319	779,666	51.9	48.1	100
2018	409,474	380,741	790,215	51.8	48.2	100
2019	414,293	385,861	800,154	51.8	48.2	100
2020	418,760	390,637	809,397	51.7	48.3	100
2021	423,085	395,285	818,370	51.7	48.3	100
2022	427,250	399,788	827,038	51.7	48.3	100
2023	431,247	404,132	835,379	51.6	48.4	100
2024	435,058	408,305	843,363	51.6	48.4	100
2025	438,679	412,297	850,976	51.6	48.4	100
2026	442,200	416,210	858,410	51.5	48.5	100
2027	445,626	420,036	865,662	51.5	48.5	100
2028	448,965	423,794	872,759	51.4	48.6	100
2029	452,224	427,483	879,707	51.4	48.6	100
2030	455,409	431,114	886,523	51.4	48.6	100

Source: Population Projections of Bhutan, 2005-2030, NSB

Table 1.2: Projected Population by Age Group and Sex, Bhutan, (2014 - 2015)

(Numbers)

Age group	2014			2015		
	Male	Female	Total	Male	Female	Total
0-4	41,835	41,166	83,001	41,693	41,023	82,716
5-9	37,859	37,518	75,377	40,533	39,803	80,336
10-14	32,309	31,348	63,657	31,097	30,588	61,685
15-19	36,039	35,413	71,452	35,253	34,569	69,822
20-24	38,239	38,256	76,495	38,303	37,896	76,199
25-29	37,516	36,136	73,652	36,963	37,233	74,196
30-34	38,683	28,763	67,446	39,547	29,811	69,358
35-39	28,790	24,254	53,044	30,689	25,411	56,100
40-44	21,811	18,414	40,225	22,491	19,035	41,526
45-49	19,405	16,327	35,732	20,163	16,906	37,069
50-54	14,522	12,765	27,287	14,919	13,088	28,007
55-59	13,021	11,419	24,440	13,329	11,694	25,023
60-64	9,447	8,531	17,978	9,927	8,981	18,908
65-69	6,572	6,064	12,636	6,747	6,189	12,936
70-74	5,065	4,989	10,054	5,122	5,070	10,192
75-79	3,323	3,165	6,488	3,368	3,226	6,594
80+	3,084	3,105	6,189	3,180	3,195	6,375
Total	**387,520**	**357,633**	**745,153**	**393,324**	**363,718**	**757,042**

Source: Population Projections of Bhutan, 2005-2030, NSB

Table 1.3: Crude Birth Rate by Area and Dzongkhag, 2005

Dzongkhag	Urban	Rural	Both
Bumthang	21.2	16.5	**17.7**
Chhukha	16.6	16.9	**16.8**
Dagana	18.6	24.5	**23.8**
Gasa	24.9	22.8	**23.1**
Haa	16.4	17.9	**17.6**
Lhuentse	13.6	21.6	**20.9**
Monggar	19.6	23.1	**22.4**
Paro	20.5	16.5	**16.8**
Pema Gatshel	23.9	17.3	**18.3**
Punakha	12.7	20.5	**19.8**
Samdrup Jongkhar	28.5	18.4	**21.4**
Samtse	21.2	19.4	**19.7**
Sarpang	20.9	17.2	**19.5**
Thimphu	19.1	17.2	**19.8**
Trashi Yangtse	21.5	24.5	**24.0**
Trashigang	21.5	21.8	**21.3**
Trongsa	19.3	24.5	**21.8**
Tsirang	32.4	19.4	**20.6**
Wangdue Phodrang	23.3	20.1	**20.9**
Zhemgang	14.8	21.5	**20.3**
Bhutan	**19.6**	**19.8**	**19.7**

Source: Socio-Economic and Demographic Indicators 2005, NSB

Table 1.4: General Fertility Rate (GFR), General Marital Fertility Rate (GMFR) and Total Fertility Rate (TFR) by Area and Dzongkhag, 2005

Dzongkhag	GFR (per 1000 women)			GMFR (per 1000 women)			TFR (per women)		
	Urban	Rural	Both	Urban	Rural	Both	Urban	Rural	Both
Bumthang	89.9	73.0	77.5	142.9	133.9	136.6	2.6	2.4	2.5
Chhukha	58.7	81.2	69.5	95.7	118.0	107.1	1.7	2.5	2.1
Dagana	68.1	100.9	96.5	144.5	140.5	140.8	3.0	3.2	3.1
Gasa	116.3	100.3	102.3	172.4	148.7	151.6	2.7	3.1	3.1
Haa	56.2	78.6	72.8	125.4	117.6	119.1	2.5	2.5	2.5
Lhuentse	52.9	94.0	89.7	103.6	146.7	143.0	2.1	3.2	3.1
Monggar	69.5	95.5	89.9	139.6	145.0	144.0	2.5	3.1	3.0
Paro	82.9	64.2	65.6	134.2	117.3	118.7	2.2	2.1	2.1
Pema Gatshel	95.9	74.3	77.7	173.6	121.0	128.6	3.4	2.7	2.8
Punakha	39.8	84.0	78.5	127.2	139.6	138.8	1.8	2.8	2.7
Samdrup Jongkhar	112.1	77.5	88.1	150.0	112.6	124.7	2.9	2.6	2.8
Samtse	72.2	78.1	77.0	111.2	115.2	114.4	2.0	2.4	2.3
Sarpang	78.0	76.5	77.0	117.1	107.4	110.5	2.2	2.3	2.3
Thimphu	68.9	79.6	70.2	119.8	126.3	120.7	2.0	2.4	2.0
Trashigang	64.3	91.1	86.8	146.3	138.8	139.7	2.4	3.1	3.0
Trashi Yangtse	78.9	107.1	101.5	171.5	164.2	165.3	3.1	3.7	3.5
Trongsa	77.6	96.5	92.5	123.8	162.7	154.1	2.3	3.1	3.0
Tsirang	114.6	78.0	81.7	166.2	118.0	123.0	3.2	2.6	2.7
Wangdue Phodrang	97.2	83.4	86.7	146.3	137.2	139.6	2.9	2.8	2.8
Zhemgang	54.6	95.3	86.8	112.1	140.2	135.7	2.0	3.2	3.0
Bhutan	**71.5**	**83.5**	**79.4**	**121.7**	**19.8**	**19.7**	**2.1**	**2.7**	**2.5**

Source: Socio-Economic and Demographic Indicators 2005, NSB

Table 1.5: Age Specific Fertility Rate (Per 1000 Women) by Age Group and Dzongkhag, 2005

Dzongkhag	15-19	20-24	25-29	30-34	35-39	40-44	45-49
Bumthang	26.7	134.3	138.0	103.3	63.1	27.4	9.4
Chhukha	32.8	121.0	114.0	69.6	39.3	28.8	6.2
Dagana	58.7	193.5	138.3	114.4	64.0	45.8	11.8
Gasa	37.3	240.3	138.5	106.8	54.1	49.2	0.0
Haa	28.1	144.4	147.7	74.9	40.9	47.8	8.4
Lhuentse	37.9	193.8	137.4	103.4	89.4	37.0	14.7
Monggar	44.4	153.4	172.4	108.7	70.2	35.5	11.2
Paro	22.0	107.2	129.3	86.7	45.8	19.5	7.0
Pema Gatshel	28.2	169.2	139.3	88.5	75.2	48.2	10.1
Punakha	29.0	149.2	145.1	115.6	65.9	35.6	7.3
Samdrup Jongkhar	45.1	161.8	146.6	99.4	52.5	40.2	15.4
Samtse	50.5	138.1	131.7	73.0	40.2	23.7	9.2
Sarpang	45.6	147.9	135.0	74.8	34.6	10.9	7.7
Thimphu	22.4	101.3	139.9	74.9	41.3	19.6	6.0
Trashigang	35.9	151.6	168.2	100.4	73.0	46.5	14.8
Trashi Yangtse	38.7	182.8	190.9	138.8	92.5	50.1	9.6
Trongsa	55.5	168.5	147.2	97.7	72.8	33.9	21.9
Tsirang	48.3	148.2	145.4	89.2	59.4	27.0	13.7
Wangdue Phodrang	35.3	168.1	151.7	107.3	65.5	24.6	4.6
Zhemgang	39.2	170.2	153.1	103.0	64.7	51.8	16.6
Urban	22.1	115.3	138.8	78.1	39.5	18.8	7.1
Rural	44.9	154.4	143.2	95.3	61.3	35.3	10.7
Bhutan	**36.5**	**138.9**	**141.6**	**89.4**	**54.5**	**31.3**	**9.9**

Source: Socio-Economic and Demographic Indicators 2005, NSB

Table 1.6: Crude Death Rate (CDR) by Area and Dzongkhag, 2005

Dzongkhag	Urban	Rural	Both
Bumthang	5.5	7.3	**6.8**
Chhukha	5.6	7.5	**6.6**
Dagana	4.8	7.9	**7.5**
Gasa	12.4	11.4	**11.6**
Haa	4.4	8.1	**7.3**
Lhuentse	2.7	8.9	**8.3**
Monggar	4.1	8.6	**7.7**
Paro	10.9	6.5	**6.9**
Pema Gatshel	3.9	8.6	**7.9**
Punakha	4.8	8.0	**7.7**
Samdrup Jongkhar	5.9	6.5	**6.3**
Samtse	8.2	7.7	**7.8**
Sarpang	4.1	5.9	**5.3**
Thimphu	5.3	8.3	**5.7**
Trashigang	3.7	9.4	**8.6**
Trashi Yangtse	8.6	9.4	**9.2**
Trongsa	1.9	9.1	**7.7**
Tsirang	4.8	6.9	**6.7**
Wangdue Phodrang	5.6	8.3	**7.7**
Zhemgang	3.0	7.2	**6.4**
Bhutan	**5.3**	**7.9**	**7.1**

Source: Socio-Economic and Demographic Indicators 2005, NSB

Table 1.7: Natural Population Growth Rate by Area and Dzongkhag, 2005

Dzongkhag	Urban	Rural	Both
Bumthang	1.6	0.9	**1.1**
Chhukha	1.1	0.9	**1.0**
Dagana	1.4	1.7	**1.6**
Gasa	1.3	1.1	**1.2**
Haa	1.2	1.0	**1.0**
Lhuentse	1.1	1.3	**1.3**
Monggar	1.6	1.5	**1.5**
Paro	1.0	1.0	**1.0**
Pema Gatshel	2.0	0.9	**1.0**
Punakha	0.8	1.3	**1.2**
Samdrup Jongkhar	2.3	1.2	**1.5**
Samtse	1.3	1.2	**1.2**
Sarpang	1.7	1.3	**1.4**
Thimphu	1.4	0.9	**1.3**
Trashigang	1.4	1.2	**1.3**
Trashi Yangtse	1.3	1.5	**1.5**
Trongsa	1.7	1.3	**1.4**
Tsirang	2.8	1.3	**1.4**
Wangdue Phodrang	1.8	1.2	**1.3**
Zhemgang	1.2	1.4	**1.4**
Bhutan	**1.4**	**1.2**	**1.3**

Source: Socio-Economic and Demographic Indicators 2005, NSB

Table 1.8: Infant Mortality (IMR), Child Mortality Rate (CMR) and Under 5 Mortality Rate (U5MR) by Dzongkhag, 2005

Dzongkhag	IMR (< 1 yr)	CMR (1-4 yr)	U5MR (< 5 yr)
Bumthang	28.1	10.5	38.6
Chhukha	30.4	58.5	88.9
Dagana	46.3	25.9	72.2
Gasa	0	13.9	13.9
Haa	14.6	39	53.7
Lhuentse	49.8	12.5	62.3
Monggar	50.5	20.4	70.9
Paro	21.2	6.5	27.7
Pema Gatshel	36.8	12.3	49
Punakha	28	6.5	34.5
Samdrup Jongkhar	69.1	18	87
Samtse	33.8	22.8	56.7
Sarpang	51	22.1	73.1
Thimphu	30.8	13.7	44.5
Trashigang	64.5	24.1	88.6
Trashi Yangtse	30.5	11.7	42.3
Trongsa	41.1	3.4	44.5
Tsirang	23.4	13	36.5
Wangdue Phodrang	53.8	18.5	72.3
Zhemgang	34.4	23.8	58.2
Bhutan	**40.1**	**21.5**	**61.6**

Source: Socio-Economic and Demographic Indicators 2005, NSB

Guided by the national development philosophy of Gross National Happiness, the health sector envisions building "a healthy and happy nation through a dynamic professional health system with attainment of highest standard of health for the people within the broader framework of overall national development, in the spirit of social justice and equity."

Since the early years (1960s) of the introduction of modern health care development in Bhutan (Allopathic), the health programmes and interventions have focused on the preventive aspects of health care and services including, the prevention of morbidity, the promotion of positive determinants of health, and the control of infectious disease. These measures were further being reinforced after being signatory to the Alma Ata declaration in 1978.

There have been a continuous efforts and remarkable strides in improving the modern health care systems and services since then. The Ministry of Health has now a wide spread network of Health Facilities covering around 95 percent of the total population within three hours walking distance of the health facility. Institutional health facilities were earlier concentrated in the urban agglomerated centers, but today the emphasis has shifted to the rural areas where the majority of the population live.

Health Care is delivered in a totally integrated three-tiered system with National Referral Hospital at the apex, regional referral hospitals, district hospitals, and Basic Health Units (BHUs) at the Community Level. BHUs serve remote populace and are staffed by well-trained health personnel who are equipped to treat minor ailments and advice on preventive measures to avoid the spread of communicable diseases. Extended Health Centers such as Out Reach Clinics (ORCs) and Sub-posts support these BHUs.

There are also a number of special health programs in Bhutan administered by the Ministry of Health. These mainly cover Expanded Program on Immunization (EPI), Reproductive Health (RH), Acute Respiratory Infection (ARI) later upgraded to Integrated Management of Neonatal and Childhood Illness (IMNCI), National HIV/AIDS & STIs Control Program (NACP), National Tuberculosis Control Program (NTCP), National Leprosy Program, Rural Water Supply & Sanitation Program (RWSS), Village Health Workers Program (VHW), Vector Borne Disease Control Program (VDCP), Mental Health Program, among others.

As of 2014, there were 31 hospitals, 206 BHUs and over 562 ORCs spread across 20 Dzongkhags and 205 Gewogs providing primary health care services. Besides the allopathic system, there exists a well established network of Indigenous medical facilities and services integrated within the main

health systems. The Institute of Traditional Medicine Services (ITMS) serves as the institution for the promotion of traditional medicine such as providing training and research of the Indigenous Physicians (Drungtshos) and sMenpas (Sowa Menpas).

The main indicators of the health status of the population are morbidity and mortality. Morbidity refers to the type of illness people suffer from, while mortality relates to deaths and causes of death. The National Health Survey (NHS) 2012 is the source for mortality statistics. Over-all the Infant mortality rate per 1000 live birth is 30 estimated from the NHS 2012, but causes of death data have not yet become available. Efforts are under way to improve the vital registration system. Morbidity data are obtained from the patients' routine records maintained in hospitals and BHUs whose data are ultimately presented in the annual publication "Annual Health Bulletin Series", published by Ministry of Health.

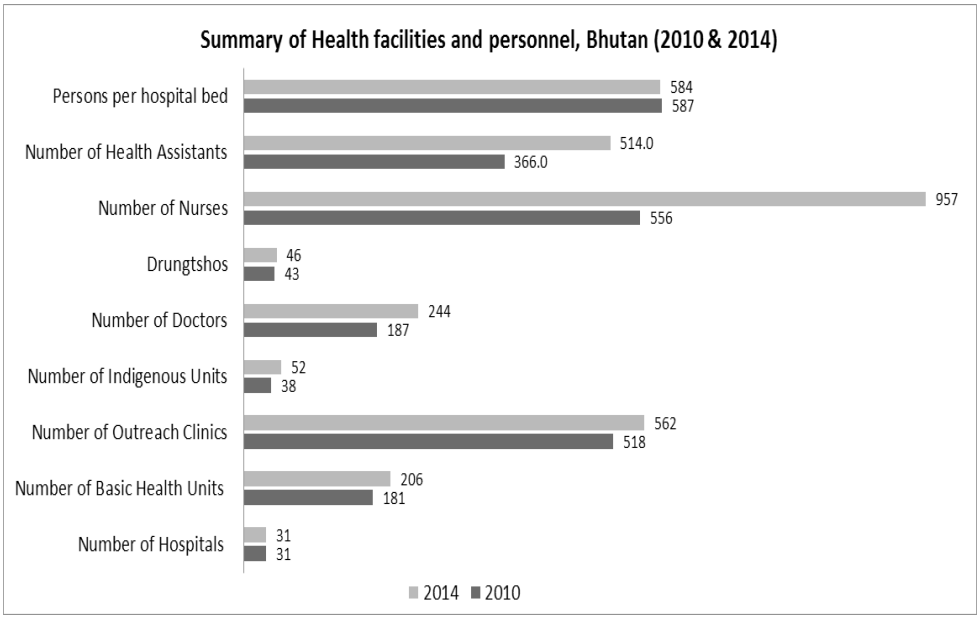


Table 2.1: Summary of Health Facilities and Personnel, Bhutan, (2010-2014)

(Numbers)

Facilities	2010	2011	2012	2013	2014
Number of Hospitals[1]	31	31	32	32	31
Number of Basic Health Units[2]	181	184	192	205	206
Number of Outreach Clinics	518	517	550[3]	519	562
Number of Indigenous Units	38	46	48	49	52
Persons per doctor	3,844	3,849	3,754	3,670	3,054
Ratio of beds per nurse	2.3	1.8	1.7	1.6	1.3
Ratio of nurses per doctor	3.0	4.0	3.8	3.9	3.9
Doctors per 10,000 persons	2.7	2.6	2.7	2.8	3.3
Nurses per (10,000) persons	8.0	10.2	10.2	10.7	12.8
Persons per hospital bed	587	555	564	574	584
Number of hospital beds available	1,186	1,277	1,277	1,277	1,277
Hospital bed per 10,000 persons	17	18	18	17	17
proportion of population within 3 hrs walking distance of a health facility (%)	>90	>90	>90	>90	>90
Population access to safe drinking water (%)	88.0	88.0	94.0	95.5	95.0
Deliveries attended by trained personnel(%)	70	70	81	89	89

Note: [1] *Indigenous hospital included under hospital*
[2] *Satellite Clinics included under BHU*
[3] *Including 82 ORCs without shed*

Source: Annual Health Bulletin 2014, MoH, Thimphu.

Table 2.2: Type of Health Facilities by Dzongkhag, Bhutan, 2014

(Numbers)

District	Facility Type					ORC with shed	ORC without shed
	Hospital	BHU I	BHU	Sub-post	Ind. Unit		
Bumthang	1	0	5	0	3	12	0
Chhukha	3	2	12	1	4	38	6
Dagana	1	2	7	0	3	30	2
Gasa	0	1	3	0	1	5	1
Haa	1	0	4	0	1	8	9
Lhuntse	1	0	14	0	2	31	1
Monggar	1	1	22	5	4	53	0
Paro	1	0	3	0	1	17	5
Pema Gatshel	1	1	11	7	4	34	5
Punakha	1	0	7	1	1	11	0
Samdrup Jongkhar	2	3	7	0	5	28	4
Samtse	2	1	13	0	3	45	4
Sarpang	2	0	12	1	2	12	1
Thimphu	5[1]	1	12[2]	0	1	5	13
Trashigang	3	4	15	4	4	55	1
Trashi Yangtse	1	1	7	2	2	21	2
Trongsa	1	0	6	3	3	21	0
Tsirang	1	0	7	0	1	14	5
Wangdue Phodrang	2	1	8	2	3	24	5
Zhemgang	1	2	11	2	4	30	4
Total	**31**	**20**	**186**	**28**	**52**	**494**	**68**

Note: [1] *Indigenous hospital included under hospital,* [2] *Satellite Clinic included under BHU*
Source: Annual Health Bulletin 2014, MoH, Thimphu.

Table 2.3: Health Personnel by Category, Bhutan ,(2010-2014)

(Numbers)

Health personnel	2010	2011	2012	2013	2014
Doctors (MBBS/Specialist) [1]	187	181	194	203	244
Assistant Clinical Officers (ACO)	44	41	39	38	36
Nurses (Assistant Nurse/GNM/B.Sc. Nurse)	556	723	736	799	957
Health Assistant	366	408	416	455	514
Basic Health Worker	169	164	162	153	118
Drungtshos (Indigenous Physicians)	43	38	35	35	46
sMenpas (Sowa Menpas)	63	56	63	82	90
Pharmacists	11	11	11	9	14
Medical Lab. Technologists	14	14	27	22	20
Physiotherapists	6	6	10	10	12
Technicians	679	681	780	738	884

Note: [1] *Includes all medical doctors registered and certified by the Bhutan Medical and Health Council.*
Source: Annual Health Bulletin 2014, MoH, Thimphu.

Table 2.4: Top Ten Morbidity, Bhutan, 2014

(Numbers)

Diseases	2014
Common Cold	298,044
Skin Infections	99,515
Other Musculo-skeletal disorders	95,400
Other Diseases of the Digestive System	90,787
Other Disorders of Skin & Subcutaneous-tissues	90,210
Acute Pharyngitis/Tonsilitis	69,107
Peptic Ulcer Syndrome	69,046
Other Nervous including Peripheral Disorders	64,471
ANC, Immunization & Other counseling	58,867
Diarrhoea	58,114

Source: Annual Health Bulletin 2014, MoH, Thimphu.

Table 2.5: Top Ten Inpatient Hospital Mortality, Bhutan, 2014

(Numbers)

Diseases	2014
Alcohol Liver Diseases	156
Other Circulatory Diseases	97
Other Respiratory & Nose Diseases	87
Other Infections (excluding ear, brain, STI)	69
Other Diseases of the Digestive System	59
Pneumonia	57
Other Kidney, UT/ Genital Disorders	53
Other Cancers	44
Neonatal Death	43
Meningitis/Encephalitis	31

Source: Annual Health Bulletin 2014, MoH, Thimphu.

Table 2.6: Total Morbidity by Sex, Bhutan, 2014

(Numbers)

Name of Diseases	Under 1 Yr		1 – 4 Yrs		5 – 14 Yrs		15 – 49 Yrs		50 - 64 Yrs		65 + Yrs		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Infections													
Diarrhoea	2,865	2,526	7,145	6,093	7,091	6,375	9,763	9,644	1,985	2,012	1,310	1,305	**58,114**
Dysentery	274	277	881	808	980	940	2,716	2,491	727	576	492	409	**11,571**
Tuberculosis	0	3	2	4	17	20	399	376	122	83	95	66	**1,187**
Genital Ulcer/Bubo	0	0	6	1	6	0	197	167	46	47	41	47	**558**
Urethal/Vaginal Discharges	3	2	2	5	13	31	1,288	1,756	119	162	39	70	**3,490**
Other Sexually Transmitted Disease, excluding HIV/AIDS	4	3	2	0	11	19	517	578	79	79	13	11	**1,316**
Rickettsial Disease	3	4	23	15	36	36	132	145	23	15	9	9	**450**
Viral, Protozoal & Helminthic disease													
Chicken Pox	32	21	222	225	806	761	385	340	18	20	7	13	**2,850**
Viral Hepatitis	21	18	30	33	87	67	227	174	35	29	15	10	**746**
Plasmodium falciparum malaria	0	0	2	1	5	1	18	8	4	1	2	1	**43**
Other Malaria	0	0	2	3	4	5	22	8	6	0	5		**55**
Visceral Leishmaniasis	0	0	2	6	13	13	35	11	6	4	8	0	**0**
Intestinal Worms	24	32	399	525	921	837	1,554	1,642	394	387	197	179	**7,091**
Scabies	57	145	423	429	1,981	1,402	2,182	1,755	436	309	273	224	**9,616**
Streptococcus Group A	1	1	6	10	16	28	65	50	25	6	2	5	**215**
Other Infections (excluding ear, brain, STI)	413	433	923	957	1,951	1,885	3,617	4,175	881	714	458	369	**16,776**

cont...

Table 2.6 cont...

Name of Diseases	Under 1 Yr		1 – 4 Yrs		5 – 14 Yrs		15 – 49 Yrs		50 - 64 Yrs		65 + Yrs		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Neoplasm													
Cervical Cancer	0	0	0	0	0	0	0	26	0	16	0	7	**49**
Other Cancers	0	0	0	0	2	13	88	119	112	118	108	96	**656**
Blood diseases													
Neoplasm (benign + CIS)	0	0	4	2	14	13	43	73	19	23	35	7	233
Nutritional Anaemia	55	50	286	322	569	841	2,363	6,934	848	1,347	639	733	**14,987**
Blood & Immune Disorders	21	9	10	12	39	55	181	348	101	108	95	85	**1,064**
Endocrine, Metabolic & Nutritional													
Diabetes	2	2	11	7	8	5	1,371	1,861	2,129	2,079	1,331	1,170	**9,976**
Malnutrition (exclude child clinic attendance)	7	16	35	43	39	40	51	68	10	17	8	16	**350**
Other Nutritional & Metabolic Disorders	17	34	73	59	184	178	745	1,152	272	397	184	197	**3,492**
Mental disorders													
Mental and behavioral disorder due to alcohol	0	0	0	0	2	1	687	224	128	50	19	10	**1,121**
Mental and behavioral disorder due to multiple drug use & other use of psychoactive substances	0	0	0	0	0	1	109	18	0	0	0	1	**129**
Psychosis	0	0	1	0	2	5	194	177	20	36	4	8	**447**
Depression	0	0	0	0	1	8	185	291	29	29	13	8	**564**
Anxiety	0	0	1	1	11	15	265	531	77	93	28	22	**1,044**
Other Mental Disorders	1	0	1	3	44	75	593	1,134	96	116	33	50	**2,146**

cont...

Table 2.6 cont...

Name of Diseases	Under 1 Yr		1 – 4 Yrs		5 – 14 Yrs		15 – 49 Yrs		50 - 64 Yrs		65 + Yrs		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Disease of Nervous system													
Meningitis/Encepha-litis	30	40	11	18	18	14	48	55	26	12	13	7	**292**
Epilepsy	9	17	48	64	102	127	464	499	69	51	22	24	**1,496**
Other Nervous inlcuding Peripheral Disorders	105	116	430	510	3,442	4,086	14,984	28,080	3,900	4,929	1,826	2,063	**64,471**
Eye & Ear Diseases													
Conjunctivitis	794	837	1,626	1,715	4,198	4,025	9,733	11,580	2,190	2,433	1,566	1,529	**42,226**
Cataract	5	7	19	40	51	83	183	291	223	273	208	234	**1,617**
Other Eye Disorders	507	517	1,054	1,023	3,566	4,078	11,724	15,965	3,696	4,396	2,710	2,950	**52,186**
Otitis Media	369	414	929	953	2,473	2,215	2,975	3,061	411	367	203	171	**14,541**
Other Ear Disorders	171	216	729	905	2,353	2,163	4,052	4,488	986	800	478	385	**17,726**
Diseases of Circulatory System													
Rheumatic Heart Disease	8	1	5	10	26	32	283	435	265	197	185	182	**1,629**
Hypertension	0	0	0	0	43	48	6,021	8,259	5,639	6,101	4,476	4,354	**34,941**
Ischaemic Heart Diseases	0	0	0	0	1	2	119	173	151	184	221	218	**1,069**
Cerebro-vascular Diseases	0	0	2	0	5	5	69	107	98	87	138	114	**625**
Other Circulatory Diseases	76	54	131	134	434	503	1,984	2,875	724	827	810	761	**9,313**
Respiratory diseases													
Common Cold	10,119	10,067	22,012	22,211	35,099	36,097	58,231	67,252	12,004	12,178	6,608	6,166	**298,044**
Acute Pharyngitis/ Tonsilitis	707	761	2,508	2,644	8,142	8,718	16,992	20,214	3,065	2,778	1,426	1,152	**69,107**
Pneumonia	1,974	1,712	3,063	2,697	839	675	597	643	199	224	261	207	**13,091**

cont...

Table 2.6 cont...

Name of Diseases	Under 1 Yr		1 – 4 Yrs		5 – 14 Yrs		15 – 49 Yrs		50 - 64 Yrs		65 + Yrs		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Other Respiratory & Nose Diseases	1,842	1,607	3,114	2,923	4,918	4,930	11,340	13,937	3,453	3,658	3,148	2,740	**57,610**
Diseases of the Digestive system													
Diseases of Teeth & Gums	30	37	527	579	2,543	2,543	5,516	6,443	1,725	1,502	877	692	**23,014**
Dental Caries	47	52	1,108	1,184	5,982	6,434	12,846	16,553	3,553	3,157	1,831	1,318	**54,065**
Peptic Ulcer Syndrome	20	19	193	225	1,807	2,578	21,351	26,237	5,085	6,044	2,670	2,817	**69,046**
Acute Appendicitis	0	0	5	9	58	45	427	385	86	100	81	52	**1,248**
Alcohol Liver Diseases	0	0	0	0	0	0	1,087	750	499	376	254	174	**3,140**
Gall Bladder Diseases	2	1	4	8	10	28	338	534	110	182	79	136	**1,432**
Other Diseases of the Digestive System	1,002	1,018	3,194	3,438	7,433	8,606	21,477	28,025	5,257	5,175	3,230	2,932	**90,787**
Skin Diseases													
Skin Infections	1,919	1,864	6,746	6,236	15,220	12,591	22,895	20,363	4,282	3,462	2,353	1,584	**99,515**
Other Disorders of Skin & Subcutaneous-tissues	1,702	1,796	4,810	4,595	10,408	9,871	22,149	21,972	4,427	3,895	2,585	2,000	**90,210**
Diseases of Musculo-skeletal system & Cogenital Deformities													
Arthritis & Arthrosis	8	6	48	45	231	224	3,130	3,414	1,745	1,822	1,238	1,144	**13,055**
Other Musculo-skeletal disorders	69	109	528	539	3,185	2,856	28,727	30,889	9,591	9,276	5,142	4,489	**95,400**
Genito-Urinary diseases													
Cystitis	12	10	34	40	81	102	816	2,334	298	329	170	208	**4,434**
Infection of Breasts, including Puerperium	0	0	0	0	0	20	0	650	0	70	0	14	**754**
Other Disease of the Breast	1	0	1	2	8	20	52	1,404	18	99	4	18	**1,627**

cont...

Table 2.6 cont...

Name of Diseases	Under 1 Yr		1 – 4 Yrs		5 – 14 Yrs		15 – 49 Yrs		50 - 64 Yrs		65 + Yrs		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Pelvic Inflammatory Disease	0	0	0	0	0	13	0	915	0	129	0	9	**1,066**
Menstrual Disturbances	0	0	0	0	0	129	0	4,523	0	265	0	65	**4,982**
Other Kidney, UT/ Genital Disorders	105	106	541	547	1,137	1,412	6,394	19,861	1,565	2,520	1,037	1,038	**36,263**
Pregnancy, Childbirth and Puerperium													
Abortions	0	0	0	0	0	1	0	1,426	0	0	0	0	**1,427**
Pregnancy Induced Hypertension	0	0	0	0	0	0	0	524	0	0	0	0	**524**
Ante-Partum Haemorrhage & Placenta Previa	0	0	0	0	0	0	0	119	0	0	0	0	**119**
Malpresentation	0	0	0	0	0	0	0	76	0	0	0	0	**76**
Prolonged Labour	0	0	0	0	0	0	0	275	0	0	0	0	**275**
Obstructed Labour	0	0	0	0	0	0	0	48	0	0	0	0	**48**
Post Partum Haemorrhage	0	0	0	0	0	0	0	126	0	0	0	0	**126**
Retained Placenta	0	0	0	0	0	0	0	133	0	0	0	0	**133**
Puerperal Sepsis	0	0	0	0	0	0	0	111	0	0	0	0	**111**
Other complications of pregnancy	0	0	0	0	0	12	0	10,201	0	0	0	0	**10,213**
Perinatal Conditions													
Low Birth Weight	123	118	0	0	0	0	0	0	0	0	0	0	**241**
Foetal Death & Stillbirth	15	13	0	0	0	0	0	0	0	0	0	0	**28**
Neonatal Death	40	22	0	0	0	0	0	0	0	0	0	0	**62**

cont...

Table 2.6 cont...

Name of Diseases	Under 1 Yr		1 – 4 Yrs		5 – 14 Yrs		15 – 49 Yrs		50 - 64 Yrs		65 + Yrs		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Conditions Orginating in the Perinatal Period	1,090	1,040	0	0	0	0	0	0	0	0	0	0	**2,130**
Malformations													
Malformations	65	39	34	23	29	24	35	36	2	4	1	7	**299**
Injuries & Trauma													
Mushroom Poisoning (Toxic effect of other unspecified susbstances)	1	3	20	21	33	35	149	166	26	30	17	9	**510**
Transport Accidents	4	2	42	38	174	129	1,161	445	172	68	80	29	**2,344**
Accidental Falls	30	23	382	286	1,395	646	2,526	1,312	506	417	312	237	**8,072**
Other Bites & Stings	19	15	282	235	681	508	1,076	1,112	238	226	79	75	**4,546**
Dog Bite	8	6	350	234	1,195	780	1,841	1,366	396	319	188	108	**6,791**
Drowning & Submersion	0	0	7	8	19	8	44	35	15	9	4	7	**156**
Exposure to Electric Current	0	0	3	4	7	8	32	8	5	3	0	1	**71**
Contact with Heat & Hot substances & exposure to smoke, fire, flames	51	48	352	286	370	260	591	522	115	96	45	52	**2,788**
Snake Bite	1	0	2	7	9	6	65	65	11	24	10	10	**210**
Contact with Venomous animals (excluding Snake bite)	1	0	12	10	15	7	43	34	16	9	14	6	**167**
Intentional Self Harm	3	2	5	13	34	36	174	177	39	16	9	5	**513**
Work Related Injuries	13	14	400	299	3,585	1,720	13,883	5,830	2,494	1,111	902	413	**30,664**

cont...

Table 2.6 cont...

Name of Diseases	Under 1 Yr		1 – 4 Yrs		5 – 14 Yrs		15 – 49 Yrs		50 - 64 Yrs		65 + Yrs		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Others (injuries other than above & unknown cause of injury)	73	75	945	664	3,960	1,919	7,754	4,541	1,321	751	523	327	**22,853**
Other Conditions													
Complications of Health Care	64	64	95	85	138	135	334	701	79	63	36	20	**1,814**
ANC, Immunisation & Other counseling	2,150	2,049	2,803	2,985	1,571	1,763	22,329	20,667	1,129	795	354	272	**58,867**
Total	**29,184**	**28,493**	**69,646**	**68,056**	**141,881**	**136,940**	**369,033**	**449,498**	**90,651**	**90,712**	**53,887**	**48,653**	**1,576,634**
Total Old Cases all causes (Includes total Old & repeated visit/episode cases)													**724,505**

Source: Annual Health Bulletin 2015, MoH, Thimphu.

Table 2.7: Inpatient Cases in all Hospitals, Bhutan 2014

(Numbers)

Indicators	Under 1 Yr		1 – 4 Yrs		5 – 14 Yrs		15 – 49 Yrs		50 - 64 Yrs		65 + Yrs		Total	Death
	M	F	M	F	M	F	M	F	M	F	M	F		
Infections														
Diarrhoea	126	91	289	206	162	136	259	385	56	107	73	87	**1,977**	2
Dysentery	7	10	40	20	13	24	62	57	10	12	15	9	**279**	8
Tuberculosis	0	1	1	1	9	10	231	215	62	29	38	20	**617**	16
Genital Ulcer/Bubo	0	0	0	0	0	0	5	2	0	0	0	0	**7**	0
Urethal/Vaginal Discharges	0	1	0	0	0	1	10	12	0	0	0	0	**24**	24
Other Sexually Transmitted Disease, excluding HIV/AIDS	3	3	0	0	1	1	10	18	1	2	3	0	**42**	2
Rickettsial Disease	2	4	19	9	25	21	57	76	12	10	6	8	**24**	0
Viral, Protozoal & Helminthic disease														
Chicken Pox	2	1	6	4	14	10	8	5	0	1	0	0	**51**	0
Viral Hepatitis	4	2	9	9	32	20	67	47	9	8	5	5	**217**	2
Plasmodium falciparum malaria	0	0	0	0	2	0	14	1	2	0	1	0	**20**	0
Other Malaria	0	0	0	0	1	0	8	3	3	0	3	0	**18**	0
Visceral Leishmaniasis (Kala-azar)	0	0	0	0	1	0	2	0	0	1	0	0	**4**	0
Intestinal Worms	0	0	0	0	1	2	1	13	2	1	0	1	**21**	0
Scabies	0	0	2	1	14	5	8	5	0	2	2	3	**42**	1
Streptococcus Group A	0	1	0	0	0	1	0	0	0	1	1	1	**5**	0
Other Infections (excluding ear, brain, STI)	154	145	153	148	215	145	395	496	108	101	80	71	**2,211**	69

cont...

Table 2.7 cont...

Indicators	Under 1 Yr		1 – 4 Yrs		5 – 14 Yrs		15 – 49 Yrs		50 - 64 Yrs		65 + Yrs		Total	Death
	M	F	M	F	M	F	M	F	M	F	M	F		
Neoplasm														
Cervical Cancer	0	0	0	0	0	0	0	19	0	7	0	6	**32**	3
Other Cancers	0	0	0	0	2	2	56	75	77	76	63	50	**401**	44
Blood diseases														
Neoplasm (benign + CIS)	0	0	2	1	1	2	9	31	7	12	18	3	**86**	5
Nutritional Anaemia	14	10	23	25	14	31	98	277	33	45	58	47	**675**	5
Blood & Immune Disorders	16	9	4	2	6	14	16	49	8	14	5	10	**153**	7
Endocrine, Metabolic & Nutritional														
Diabetes	0	0	0	0	0	1	91	122	102	103	97	105	**621**	7
Malnutrition (exclude child clinic attendance)	2	5	9	11	1	3	2	3	2	1	1	2	**42**	0
Other Nutritional & Metabolic Disorders	4	11	7	6	4	8	37	61	12	23	5	12	**190**	2
Mental disorders														
Mental and behavioral disorder due to alcohol	0	0	0	0	1	0	303	90	44	15	8	7	**468**	1
Mental and behavioral disorder due to multiple drug use & other use of psychoactive substances	0	0	0	0	0	1	60	10	0	0	0	1	**72**	0
Psychosis	0	0	1	0	0	3	24	19	2	3	1	0	**53**	1
Depression	0	0	0	0	0	3	49	67	3	3	1	4	**130**	1
Anxiety	0	0	1	0	3	4	22	71	2	3	1	0	**107**	0
Other Mental Disorders	0	0	0	1	7	21	79	124	8	8	5	6	**259**	0

cont...

Table 2.7 cont...

Indicators	Under 1 Yr		1 – 4 Yrs		5 – 14 Yrs		15 – 49 Yrs		50 - 64 Yrs		65 + Yrs		Total	Death
	M	F	M	F	M	F	M	F	M	F	M	F		
Disease of Nervous system														
Meningitis/Encephalitis	28	35	10	12	7	3	17	19	7	2	7	6	**153**	31
Epilepsy	7	9	14	16	16	20	77	66	5	15	6	5	**256**	3
Other Nervous including Peripheral Disorders	17	12	18	24	50	36	422	527	70	70	108	53	**1,407**	20
Eye & Ear Diseases														
Conjunctivitis	3	5	1	8	7	6	25	28	4	3	8	10	**108**	0
Cataract	2	1	0	0	0	1	12	12	31	40	41	56	**196**	0
Other Eye Disorders	9	8	17	9	30	22	122	73	23	34	31	19	**397**	0
Otitis Media	5	8	7	8	16	10	37	26		2	0	1	**120**	0
Other Ear Disorders	3	1	10	15	19	12	45	52	6	2	8	3	**176**	0
Diseases of Circulatory System														
Rheumatic Heart Disease	4	0	0	1	6	7	25	52	9	10	22	13	**149**	10
Hypertension	0	0	0	0	2	3	267	271	230	203	276	271	**1,523**	11
Ischaemic Heart Diseases	0	0	0	0	1	0	14	19	10	11	36	26	**117**	9
Cerebro-vascular Diseases	0	0	0	0	3	2	30	26	33	20	58	59	**231**	25
Other Circulatory Diseases	32	29	18	19	38	19	208	246	106	99	241	207	**1,262**	97
Respiratory diseases														
Common Cold	189	138	222	269	211	146	362	352	50	54	31	26	**2,050**	0
Acute Pharyngitis/ Tonsilitis	36	54	101	104	207	203	321	407	27	30	15	11	**1,516**	2
Pneumonia	433	371	472	375	185	118	126	150	64	57	116	113	**2,580**	57
Other Respiratory & Nose Diseases	428	292	438	378	230	176	422	620	240	247	518	465	**4,454**	87

cont...

Table 2.7 cont...

Indicators	Under 1 Yr		1 – 4 Yrs		5 – 14 Yrs		15 – 49 Yrs		50 - 64 Yrs		65 + Yrs		Total	Death
	M	F	M	F	M	F	M	F	M	F	M	F		
Diseases of the Digestive system														
Diseases of Teeth & Gums	2	7	14	14	21	18	49	49	9	9	7	10	**209**	0
Dental Caries	0	0	3	3	20	23	44	38	7	5	3	5	**151**	0
Peptic Ulcer Syndrome	2	2	4	3	21	43	551	786	112	117	117	81	**1,839**	4
Acute Appendicitis	0	0	2	3	32	24	172	124	23	26	8	5	**419**	1
Alcohol Liver Diseases	0	0	0	0	0	0	471	302	195	143	103	56	**1,270**	156
Gall Bladder Diseases	2	1	2	2	3	6	163	292	53	98	34	71	**727**	0
Other Diseases of the Digestive System	131	115	225	178	244	189	981	1,106	255	253	225	181	**4,083**	59
Skin Diseases														
Skin Infections	75	58	86	77	103	99	249	240	65	36	39	17	**1,144**	0
Other Disorders of Skin & Subcutaneous-tissues	46	44	109	75	192	140	489	357	130	101	61	52	**1,796**	1
Diseases of Musculo-skeletal system & Cogenital Deformities														
Arthritis & Arthrosis	1	1	4	3	14	7	126	111	41	39	31	22	**400**	1
Other Musculo-skeletal disorders	7	5	33	25	179	82	744	573	192	136	105	104	**2,185**	8
Genito-Urinary diseases														
Cystitis	4	4	3	14	10	18	85	301	23	36	33	42	**573**	2
Infection of the Breasts, including Puerperium	0	0	0	1	1	2	0	79	0	0	0	1	**84**	0
Other Disease of the Breast	0	0	0	0	0	0	4	50	0	2	1	1	**58**	0

cont...

Table 2.7 cont...

Indicators	Under 1 Yr		1 – 4 Yrs		5 – 14 Yrs		15 – 49 Yrs		50 - 64 Yrs		65 + Yrs		Total	Death
	M	F	M	F	M	F	M	F	M	F	M	F		
Pelvic Inflammatory Disease	0	0	0	0	0	1	0	57	0	1	0	3	**62**	0
Menstrual Disturbances	0	0	0	0	0	0	0	161	0	28	0	3	**192**	0
Other Kidney, UT/ Genital Disorders	25	19	59	36	140	91	629	1,492	161	243	206	132	**3,233**	53
Pregnancy, Childbirth and Puerperium														
Abortions	0	0	0	0	0	1	0	938	0	0	0	0	**939**	0
Pregnancy Induced Hypertension	0	0	0	0	0	0	0	291	0	0	0	0	**291**	0
Ante-Partum Haemorrhage & Placenta Previa	0	0	0	0	0	0	0	89	0	0	0	0	**89**	0
Malpresentation	0	0	0	0	0	0	0	64	0	0	0	0	**64**	0
Prolonged Labour	0	0	0	0	0	0	0	215	0	0	0	0	**215**	0
Obstructed Labour	0	0	0	0	0	0	0	25	0	0	0	0	**25**	0
Post Partum Haemorrhage	0	0	0	0	0	0	0	79	0	0	0	0	**79**	0
Retained Placenta	0	0	0	0	0	0	0	97	0	0	0	0	**97**	1
Puerperal Sepsis	0	0	0	0	0	0	0	85	0	0	0	0	**85**	0
Other complications of pregnancy	0	0	0	0	0	8	0	7,707	0	1	0	0	**7,716**	2
Perinatal Conditions														
Low Birth Weight	93	85	0	0	0	0	0	0	0	0	0	0	**178**	10
Foetal Death & Stillbirth	9	8	0	0	0	0	0	0	0	0	0	0	**17**	17
Neonatal Death	26	17	0	0	0	0	0	0	0	0	0	0	**43**	43
Conditions Originating in the Perinatal Period	796	765	0	0	0	0	0	0	0	0	0	0	**1,561**	16

cont...

Table 2.7 cont...

Indicators	Under 1 Yr		1 – 4 Yrs		5 – 14 Yrs		15 – 49 Yrs		50 - 64 Yrs		65 + Yrs		Total	Death
	M	F	M	F	M	F	M	F	M	F	M	F		
Malformations														
Malformations	48	27	24	16	14	8	10	16	2	1	0	2	**168**	5
Injuries & Trauma														
Mushroom Poisoning (Toxic effect of other unspecified substances)	1	1	7	10	11	9	54	57	8	13	5	4	**180**	2
Transport Accidents	3	0	12	12	41	22	396	135	46	20	14	13	**714**	12
Accidental Falls	17	6	53	40	119	49	298	144	80	76	69	43	**994**	5
Other Bites & Stings (excluding dog bite)	1	1	11	8	20	19	65	56	15	12	4	2	**214**	0
Dog Bite	0	0	30	23	106	65	228	137	34	33	24	10	**690**	0
Drowning & Submersion	0	0	0	1	1	0	9	0	0	1	0	0	**12**	2
Exposure to Electric Current	0	0	0	0	0	0	8	1	2	1	0	0	**12**	0
Contact with Heat & Hot substances & exposure to smoke, fire, flames	10	3	38	26	28	12	50	48	11	10	4	11	**251**	3
Snake Bite	1	0	1	2	3	3	37	27	4	10	3	7	**98**	0
Contact with Venomous animals (excluding Snake bite)	0	0	1	0	1	0	3	1	2	0	1	1	**10**	1
Intentional Self Harm	0	0	0	2	1	1	32	61	5	3	1	0	**106**	3
Work Related Injuries	2	0	8	5	19	9	527	165	69	24	25	7	**860**	2

cont...

Table 2.7 cont...

Indicators	Under 1 Yr		1 – 4 Yrs		5 – 14 Yrs		15 – 49 Yrs		50 - 64 Yrs		65 + Yrs		Total	Death
	M	F	M	F	M	F	M	F	M	F	M	F		
Others (injuries other than above & unknown cause of injury)	17	15	90	94	317	119	984	594	209	107	95	89	**2,730**	15
Other Conditions														
Complications of Health Care	5	8	1	2	0	0	16	46	2	2	1	0	**83**	4
ANC, Immunization & Other counseling	18	12	19	11	19	24	244	516	54	46	46	37	**1,046**	2
Total	**2,872**	**2,461**	**2,733**	**2,368**	**3,237**	**2,345**	**12,233**	**23,011**	**3,289**	**3,120**	**3,277**	**2,814**	**61,324**	**982**
Total Old Cases all causes (Includes total Old & repeated visit/episode cases)														**5,827**

Note: *Inpatient = those patients admitted to bed overnight (records deaths related to particular disease) in hospitals & BHU-I.*

Source: Annual Health Bulletin 2015, MoH, Thimphu.

Table 2.8: Outpatient Cases in all Hospitals, Bhutan, 2014

(Numbers)

Name of Diseases	Under 1 Yr		1 – 4 Yrs		5 – 14 Yrs		15 – 49 Yrs		50 - 64 Years		65 + Yrs		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Infections													
Diarrhoea	1,735	1,516	4,070	3,382	3,318	2,966	5,520	5,382	983	959	615	511	**30,957**
Dysentery	173	157	452	411	435	416	1,214	1,042	273	208	154	118	**5,053**
Tuberculosis	0	2	1	1	7	10	161	147	55	47	55	42	**528**
Genital Ulcer/Bubo	0	0	5	1	0	0	126	127	38	39	34	38	**w408**
Urethal/Vaginal Discharges	3	1	1	1	9	26	943	1,320	88	143	39	64	**2,638**
Other Sexually Transmitted Disease, excluding HIV/AIDS	1	0	1	0	5	15	259	293	42	50	2	4	**672**
Rickettsial Disease	1	0	2	6	9	10	73	67	6	3	3	1	**181**
Viral, Protozoal & Helminthic disease													
Chicken Pox	18	12	147	161	333	283	274	200	15	14	6	11	**1,474**
Viral Hepatitis	15	14	13	21	44	30	147	119	24	19	10	5	**461**
Plasmodium falciparum malaria	0	0	2	1	3	0	4	6	1	0	0	1	**18**
Other Malaria	0	0	2	3	1	4	6	5	3	0	2	0	**26**
Visceral Leishmaniasis	0	0	2	6	11	10	31	9	5	3	8	0	**85**
Intestinal Worms	20	29	240	348	524	453	841	731	198	165	100	75	**3,724**
Scabies	40	42	302	305	811	625	1,212	1,007	243	172	153	130	**5,042**
Streptococcus Group A	0	0	3	6	11	15	42	40	23	2	0	0	**142**
Other Infections (excluding ear, brain, STI)	139	192	486	452	995	936	2,121	2,275	460	353	224	145	**8,778**
Neoplasm													
Cervical Cancer	0	0	0	0	0	0	0	7	0	8	0	1	**16**
Other Cancers	0	0	0	0	0	11	32	44	35	42	45	46	**255**

cont...

Table 2.8 cont...

Name of Diseases	Under 1 Yr		1 – 4 Yrs		5 – 14 Yrs		15 – 49 Yrs		50 - 64 Years		65 + Yrs		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Blood diseases													
Neoplasm (benign + CIS)	0	0	2	1	13	11	34	42	12	11	17	4	**147**
Nutritional Anaemia	24	21	161	193	334	517	1,342	3,926	471	581	286	332	**8,188**
Blood & Immune Disorders	1	0	1	1	4	11	58	100	53	45	41	22	**337**
Endocrine, Metabolic & Nutritional													
Diabetes	2	1	9	6	6	1	1,262	1,714	2,003	1,960	1,221	1,043	**9,228**
Malnutrition (exclude child clinic attendance)	4	4	13	15	13	15	12	11	0	2	4	6	**99**
Other Nutritional & Metabolic Disorders	12	18	54	40	86	69	536	742	210	278	143	133	**2,321**
Mental disorders													
Mental and behavioral disorder due to alcohol	0	0	0	0	1	1	358	112	72	29	8	3	**584**
Mental and behavioral disorder due to multiple drug use & other use of psychoactive substances	0	0	0	0	0	0	46	5	0	0	0	0	**51**
Psychosis	0	0	0	0	2	1	167	157	18	33	3	7	**388**
Depression	0	0	0	0	1	4	135	217	26	26	11	3	**423**
Anxiety	0	0	0	1	8	11	235	455	73	87	25	19	**914**
Other Mental Disorders	0	0	1	1	26	19	400	780	64	76	12	16	**1,395**
Disease of Nervous system													
Meningitis/ Encephalitis	2	5	1	6	9	3	16	12	0	3	2	1	**60**

cont...

Table 2.8 cont...

Name of Diseases	Under 1 Yr		1 – 4 Yrs		5 – 14 Yrs		15 – 49 Yrs		50 - 64 Years		65 + Yrs		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Epilepsy	2	8	34	47	80	96	364	385	59	31	11	18	**1,135**
Other Nervous inlcuding Peripheral Disorders	32	44	169	180	787	904	5,447	8,631	1,120	1,398	521	528	**19,761**
Eye & Ear Diseases													
Conjunctivitis	516	549	1,032	1,103	2,182	2,188	6,641	7,124	1,285	1,135	720	535	**25,010**
Cataract	3	6	19	40	51	82	171	279	192	233	167	178	**1,421**
Other Eye Disorders	339	329	719	672	2,068	2,434	7,946	10,139	2,294	2,459	1,590	1,466	**32,455**
Otitis Media	197	198	500	537	1,205	1,128	2,080	2,118	284	246	135	102	**8,730**
Other Ear Disorders	122	170	534	692	1,598	1,363	3,127	3,409	789	579	343	258	**12,984**
Diseases of Circulatory System													
Rheumatic Heart Disease	4	1	5	9	20	25	258	384	256	187	163	169	**1,481**
Hypertension	0	0	0	0	23	26	4,465	5,819	4,394	4,632	3,316	3,095	**25,770**
Ischaemic Heart Diseases	0	0	0	0	0	2	105	154	141	173	185	192	**952**
Cerebro-vascular Diseases	0	0	2	0	2	3	39	81	65	67	81	55	**395**
Other Circulatory Diseases	32	19	78	86	187	214	986	1,216	403	459	407	387	**4,474**
Respiratory diseases													
Common Cold	6,480	6,311	13,151	12,758	16,494	16,357	31,238	32,254	5,828	5,339	3,051	2,589	**151,850**
Acute Pharyngitis/ Tonsilitis	547	580	1,841	1,960	4,638	4,568	10,656	11,293	1,855	1,483	814	624	**40,859**
Pneumonia	576	475	984	889	429	355	386	370	104	112	108	62	**4,850**
Other Respiratory & Nose Diseases	1,120	1,048	1,975	1,867	2,775	2,790	7,000	8,173	2,026	2,056	1,702	1,378	**33,910**
Diseases of the Digestive system													
Diseases of Teeth & Gums	19	18	348	412	1,551	1,582	3,806	4,152	1,257	989	617	471	**15,222**

cont...

Table 2.8 cont...

Name of Diseases	Under 1 Yr		1 – 4 Yrs		5 – 14 Yrs		15 – 49 Yrs		50 - 64 Years		65 + Yrs		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Dental Caries	39	46	938	1,013	4,832	5,215	10,626	13,355	2,865	2,429	1,434	1,008	**43,800**
Peptic Ulcer Syndrome	13	13	139	165	849	1,250	13,327	15,087	2,912	3,277	1,355	1,374	**39,761**
Acute Appendicitis	0	0	3	6	26	21	255	261	63	74	73	47	**829**
Alcohol Liver Diseases	0	0	0	0	0	0	519	354	265	205	131	100	**1,574**
Gall Bladder Diseases	0	0	2	6	7	22	175	242	57	84	45	65	**705**
Other Diseases of the Digestive System	572	593	1,807	1,911	3,451	3,908	12,308	16,052	2,850	2,620	1,638	1,351	**49,061**
Skin Diseases													
Skin Infections	1,108	1,106	3,893	3,602	6,578	5,225	13,126	11,221	2,388	1,850	1,264	858	**52,219**
Other Disorders of Skin & Subcutaneous-tissues	1,087	1,096	2,871	2,648	4,430	4,209	12,489	11,843	2,275	1,953	1,371	1,050	**47,322**
Diseases of Musculo-skeletal system & Cogenital Deformities													
Arthritis & Arthrosis	5	3	36	28	99	122	1,744	1,798	939	983	664	670	**7,091**
Other Musculo-skeletal disorders	22	65	296	314	1,712	1,485	17,323	17,430	4,969	4,578	2,509	1,981	**52,684**
Genito-Urinary diseases													
Cystitis	8	6	31	26	71	84	731	2,033	275	293	137	166	**3,861**
Infection of Breasts, including Puerperium	0	0	0	0	0	14	0	338	0	63	0	13	**428**
Other Disease of the Breast	0	0	1	2	5	12	34	725	14	68	2	11	**874**
Pelvic Inflammatory Disease	0	0	0	0	0	12	0	858	0	128	0	6	**1,004**
Menstrual Disturbances	0	0	0	0	0	74	0	2,632	0	171	0	54	**2,931**
Other Kidney, UT/ Genital Disorders	54	68	316	367	540	755	3,681	10,854	840	1,248	487	511	**19,721**

Table 2.8 cont...

Name of Diseases	Under 1 Yr		1 – 4 Yrs		5 – 14 Yrs		15 – 49 Yrs		50 - 64 Years		65 + Yrs		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Pregnancy, Childbirth and Puerperium													
Abortions	0	0	0	0	0	0	0	397	0	0	0	0	**397**
Pregnancy Induced Hypertension	0	0	0	0	0	0	0	212	0	0	0	0	**212**
Ante-Partum Haemorrhage & Placenta Previa	0	0	0	0	0	0	0	15	0	0	0	0	**15**
Malpresentation	0	0	0	0	0	0	0	8	0	0	0	0	**8**
Prolonged Labour	0	0	0	0	0	0	0	21	0	0	0	0	**21**
Obstructed Labour	0	0	0	0	0	0	0	18	0	0	0	0	**18**
Post Partum Haemorrhage	0	0	0	0	0	0	0	26	0	0	0	0	**26**
Retained Placenta	0	0	0	0	0	0	0	5	0	0	0	0	**5**
Puerperal Sepsis	0	0	0	0	0	0	0	11	0	0	0	0	**11**
Other complications of pregnancy	0	0	0	0	0	4	0	2,155	0	0	0	0	**2,159**
Perinatal Conditions													
Low Birth Weight	26	26	0	0	0	0	0	0	0	0	0	0	**52**
Foetal Death & Stillbirth	1	3	0	0	0	0	0	0	0	0	0	0	**4**
Neonatal Death	10	2	0	0	0	0	0	0	0	0	0	0	**12**
Conditions Orginating in the Perinatal Period	287	272	0	0	0	0	0	0	0	0	0	0	**559**
Malformations													
Malformations	17	9	10	6	14	12	24	19	0	3	1	2	**117**
Injuries & Trauma													
Mushroom Poisoning (Toxic effect of other unspecified susbstances)	0	2	8	8	10	11	44	68	10	6	5	0	**172**
Transport Accidents	1	1	20	16	76	80	479	244	101	35	56	10	**1,119**

cont...

Table 2.8 cont...

Name of Diseases	Under 1 Yr		1 – 4 Yrs		5 – 14 Yrs		15 – 49 Yrs		50 - 64 Years		65 + Yrs		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Accidental Falls	10	8	188	158	603	286	1,482	747	246	220	120	111	**4,179**
Other Bites & Stings	7	3	143	134	270	211	505	504	82	90	28	31	**2,008**
Dog Bite	5	6	173	137	559	377	977	760	193	144	73	44	**3,448**
Drowning & Submersion	0	0	5	6	13	7	26	30	14	5	4	6	**116**
Exposure to Electric Current	0	0	1	2	1	1	10	1	1	0	0	0	**17**
Contact with Heat & Hot substances & exposure to smoke, fire, flames	13	13	117	108	104	83	259	217	40	31	9	8	**1,002**
Snake Bite	0	0	0	4	1	1	13	13	2	1	4	0	**39**
Contact with Venomous animals (excluding Snake bite)	0	0	3	4	3	1	17	24	11	6	10	4	**83**
Intentional Self Harm	3	2	3	8	8	15	69	51	12	5	3	2	**181**
Work Related Injuries	8	6	172	123	964	521	5,243	2,281	830	370	272	127	**10,917**
Others (injuries other than above & unknown cause of injury)	42	43	500	302	1 534	821	4,009	2,212	546	310	199	123	**10,641**
Other Conditions													
Complications of Health Care	2	1	5	3	19	23	111	125	21	16	10	4	**340**
ANC, Immunisation & Other counseling	175	187	159	153	113	162	19,828	5,472	194	143	66	26	**26,678**
Total	**15,694**	**15,350**	**39,202**	**37,881**	**66,467**	**65,614**	**221,756**	**237,794**	**50,861**	**48,345**	**29,124**	**24,651**	**854,273**
Total Old Cases all causes (Includes total Old & repeated visit/episode cases)													**513,996**

Note: *Outpatient = those patients who receives treatment at hospitals & BHU-I without staying overnight.*

Source: Annual Health Bulletin 2015, MoH, Thimphu.

Table 2.9: Number of Patient Admissions & Average Length of Stay in Dzongkhag Hospitals, Bhutan, (2010-2014)

Dzongkhag	2010		2011		2012		2013		2014	
	Total Admissions	Patient Days	Total Admissions	Patient Days	Total Admissions	Patient Days	Total Admissions	Patient Days	Total Admissions	Patient Days
Bumthang	697	2,789	591	1,970	858	3,187	730	2,010	716	2,505
Chhukha	5,223	9,266	4,682	17,025	4,724	18,055	4,460	20,649	4,582	16,795
Dagana	593	982	763	2,107	1,192	3,492	1,059	2,918	976	4,678
Gasa	0	0	0	0	0	0	6	4	37	95
Haa	407	1,337	382	1,021	387	1,415	315	1,011	570	1,353
Lhuentse	1,137	4,423	612	2,361	966	3,586	878	2,602	778	2,331
Monggar	3,758	23,518	4,536	26,226	4,727	27,684	3,917	24,743	4,575	26,779
Paro	3,195	8,144	2,962	7,532	2,200	5,550	2,524	6,606	2,596	9,090
Pema Gatshel	970	3,186	1,325	4,354	1,818	5,596	1,700	5,440	1,709	3,527
Punakha	1,878	8,670	2,346	5,632	2,166	5,244	1,609	3,491	2,447	5,388
Samdrup Jongkhar	1,479	9,081	2,908	13,804	3,079	14,061	2,966	10,226	2,151	8,245
Samtse	3,304	13,434	3,429	15,225	3,054	12,889	3,117	13,825	3,683	13,875
Sarpang	4,135	18,165	4,093	16,955	4,147	17,097	3,747	16,583	4,390	16,697
Thimphu	14,532	113,358	15,538	103,965	15,811	100,466	17,354	106,765	13,125	92,758
Trashigang	3,508	15,257	3,373	14,514	3,138	12,946	3,023	12,380	844	3,492
Trashi Yangtse	699	3,319	657	2,452	731	3,114	867	3,378	4,417	16,399
Trongsa	541	1,768	626	2,070	736	2,295	805	2,086	686	2,275
Tsirang	1,021	2,016	1,177	3,715	1,229	5,739	1,528	6,273	1,287	5,214
Wangdue Phodrang	1,485	4,258	1,760	5,131	2,500	7,455	2,351	9,037	2,584	8,939
Zhemgang	1,269	4,443	1,334	4,072	1,282	3,495	1,855	4,552	921	4,819
Bhutan	**49,831**	**247,414**	**53,094**	**250,131**	**54,745**	**253,366**	**54,811**	**254,579**	**53,074**	**245,254**

Source: Annual Health Bulletin 2015, MoH, Thimphu.

Table 2.10: Immunization Status by Dzongkhag, Bhutan, 2014

(Numbers)

Dzongkhag	Antigen				
	BCG	Measles	OPV3	DPT-Hep B3	OPV 0
Bumthang	187	322	319	319	176
Chhukha	1,210	1,174	1,162	1,161	1,192
Dagana	251	387	389	394	240
Gasa	25	59	47	48	19
Haa	108	168	165	165	101
Lhuentse	169	300	294	295	150
Monggar	1,108	787	852	820	1,058
Paro	463	671	634	685	445
Pema Gatshel	299	411	438	424	277
Punakha	520	482	432	432	498
Samdrup Jongkhar	468	601	574	573	428
Samtse	753	1,064	1,060	1,060	677
Sarpang	826	640	668	669	794
Thimphu	3,994	2,203	2,165	2,165	3,918
Trashigang	273	351	331	331	237
Trashi Yangtse	895	787	895	895	725
Trongsa	158	324	296	296	132
Tsirang	269	357	338	340	260
Wangdue Phodrang	407	790	775	775	386
Zhemgang	266	377	358	357	238
Bhutan	**12,649**	**12,255**	**12,192**	**12,204**	**11,951**

Source: Annual Health Bulletin 2015, MoH, Thimphu.

Table 2.11: Nutritional and Vitamin A Status of Children Attending Clinics, Bhutan, (2010-2014)

(Numbers)

Details	2010		2011		2012		2013		2014	
Child Attendances	**New**	**Old**	**New**	**Old**	**New**	**Old**	**New**	**Old**	**New**	**Old**
Infants: <1 Year	13,808	108,871	13,670	112,069	14,356	116,535	13,792	117,807	14,006	108,486
Child: 1 to <5 Years	1,058	99,387	869	108,667	1,324	119,849	1,918	135,164	1,097	145,058
Total	14,866	208,258	14,539	220,736	15,680	236,384	15,710	252,971	15,103	253,544
Weight										
Over Weight	12,443		5,584		4,607		4,522		4,241	
Normal Weight	196,455		217,904		236,251		253,775		248,774	
Under Weight	12,951		10,243		9,259		8,939		9,002	
All malnourished [1]	25,394		15,827		13,866		13,461		13,243	
Vitamin A Supplements										
Infants: <1 Year	15,676		17,089		18,092		17,065		15,491	
Child: 1 to <5 Years	36,820		41,276		46,014		52,665		56,822	
PP Mother [2]	12,220		12,655		13,161		12,518		12,244	

Note: [1] *All malnourished includes over weight and under weight*

[2] *Post-partum mother*

Source: Annual Health Bulletin 2015, MoH, Thimphu.

Table 2.12: Details of Maternal & Child Health Care Activities, Bhutan, (2010-2014)

(Numbers)

Type of care	2010	2011	2012	2013	2014
Antenatal care attendance	**61,282**	**65,528**	**72,384**	**71,464**	**74,613**
1st visit	13,123	12,953	13,376	12,500	12,844
2nd visit	12,791	12,589	12,981	12,549	12,228
3rd visit	11,605	11,637	12,212	11,955	11,999
4th visit	9,803	10,056	10,726	10,843	10,701
5+ visit	13,960	18,293	23,089	23,617	26,841
Deliveries attended by trained health personnel (b)	**9,230**	**8,934**	**10,792**	**11,158**	**10,873**
Home	710	662	623	1,010	582
Facility	8,520	8,272	10,169	10,148	10,291
Post-natal care attendance	11,474	14,174	17,924	20,942	26,166
1st visit	7,227	7,740	8,966	9,462	9,440
2+ visit	4,247	6,434	8,958	11,480	16,726

Source: Annual Health Bulletin 2015, MoH, Thimphu.

Table 2.13: Family Planning Methods by Type, Bhutan, (2010-2014)

(Numbers)

Method	2010	2011	2012	2013	2014
Female Sterilisation	3,642	3,825	4,292	4,751	4,855
Male Sterilisation	9,436	9,601	9,531	9,607	8,773
Intra uterine device (IUD) inserted [1]	2,631	1,427	1,445	2,492	1,530
Pills (OCP) [2]	52,234	70,929	81,673	92,730	72,543
Condoms [3]	1,050,891	1,117,983	1,427,260	1,474,942	1,703,299
Injection DMPA [4]	89,797	89,250	88,009	77,524	79,290

Note: [1] IUD = No. Inserted. [2] Pills = No. of cycles. [3] Condoms = No. of pieces distributed.
[4] DMPA = No. of Injections.
Source: Annual Health Bulletin 2014, MoH, Thimphu.

Table 2.14: Details of Maternal & Child Health Care Activities by Dzongkhag, Bhutan, (2010-2014)

(Numbers)

Dzongkhag	Details	2010	2011	2012	2013	2014
Bumthang	Antenatal	1,420	1,599	1,614	1,806	1,789
	Reported deliveries	324	332	338	304	369
	Trained deliveries	165	210	196	189	170
Chhukha [1]	Antenatal	7,770	9,245	11,419	11,148	10,085
	Reported deliveries	707	693	772	769	794
	Trained deliveries	1,208	1,118	1,073	1,271	1,192
Dagana	Antenatal	1,509	1,689	1,882	1,609	2,173
	Reported deliveries	425	378	449	398	453
	Trained deliveries	131	152	175	107	1,362
Gasa	Antenatal	152	163	144	190	286
	Reported deliveries	62	154	47	84	51
	Trained deliveries	15	9	6	7	6
Haa	Antenatal	860	771	994	813	1,926
	Reported deliveries	160	213	209	75	132
	Trained deliveries	73	38	110	189	97
Lhuentse	Antenatal	1,148	1,307	1,463	1,379	1,367
	Reported deliveries	282	258	305	310	334
	Trained deliveries	78	100	156	203	191
Monggar	Antenatal	3,362	3,675	4,030	4,125	4,567
	Reported deliveries	879	808	741	877	801
	Trained deliveries	799	950	929	994	1,362
Paro	Antenatal	3,961	3,611	3,973	4,292	4,357
	Reported deliveries	772	828	782	935	1,048
	Trained deliveries	491	486	442	393	387
Pema Gatshel	Antenatal	1,816	1,727	1,829	1,705	2,340
	Reported deliveries	419	380	355	418	428
	Trained deliveries	167	167	230	270	231
Punakha	Antenatal	2,610	2,263	2,261	2,532	2,098
	Reported deliveries	370	410	447	446	416
	Trained deliveries	358	476	666	317	510
Samdrup Jongkhar	Antenatal	2,741	3,088	3,143	2,906	3,318
	Reported deliveries	785	785	615	682	715
	Trained deliveries	456	369	450	296	347

Table 2.14 cont...

Dzongkhag	Details	2010	2011	2012	2013	2014
Samtse	Antenatal	5,382	5,964	6,136	5,844	5,385
	Reported deliveries	986	1,048	982	1,124	1,069
	Trained deliveries	475	399	491	491	584
Sarpang	Antenatal	3,621	4,543	4,405	4,107	4,589
	Reported deliveries	1,187	634	634	595	651
	Trained deliveries	686	683	951	944	1,065
Thimphu [1]	Antenatal	13,168	12,935	14,597	14,508	14,482
	Reported deliveries	307	303	257	392	229
	Trained deliveries	3,082	2,396	3,418	3,932	3,122
Trashigang	Antenatal	3,428	3,671	3,649	3,694	4,318
	Reported deliveries	861	884	911	909	346
	Trained deliveries	430	453	567	539	746
Trashi Yangtse	Antenatal	1,441	1,480	1,576	1,740	1,613
	Reported deliveries	386	425	403	382	802
	Trained deliveries	125	103	109	135	136
Trongsa	Antenatal	989	1,250	1,444	1,573	1,600
	Reported deliveries	309	265	217	282	275
	Trained deliveries	106	94	113	128	115
Tsirang	Antenatal	1,338	1,413	1,783	1,754	2,479
	Reported deliveries	269	409	319	309	347
	Trained deliveries	94	233	217	229	208
Wangdue Phodrang	Antenatal	3,323	3,837	4,532	4,149	4,072
	Reported deliveries	506	640	640	662	843
	Trained deliveries	395	351	336	376	314
Zhemgang	Antenatal	1,243	1,297	1,510	1,509	1,769
	Reported deliveries	378	344	369	354	519
	Trained deliveries	130	147	156	148	165

Note: 1 Phuntsholing & Thimphu urban areas are not covered by Annual Household Survey.

[a] Trained delivery refers to deliveries attended by trained health personnels in hospitals/BHUs and at home.

[b] Reported deliveries refers to total reported deliveries during Annual Household Survey 2012.

Source: Annual Health Bulletin 2014, MoH, Thimphu.

Table 2.15: Number of Users of Family Planning Methods by Type, by Dzongkhag, Bhutan, 2014

(Number)

Dzongkhag	Family planning methods					
	New IUD Inserted	Oral pills (No. of Cycles issued)	DMPA[3] (No. Injected)	Vasectomy [1]	Tubectomy [1]	No. of Condom issued (In pieces)
Bumthang	17	1,929	2,551	84	109	76,766
Chhukha	149	9,995	7,630	702	332	110,332
Dagana	3	5,741	4,156	563	184	29,339
Gasa	3	222	648	26	23	8,213
Haa	1	1,969	988	157	97	25,771
Lhuentse	43	1,802	1,989	236	113	36,315
Monggar	198	2,461	6,669	491	282	153,235
Paro	52	2 422	4 069	702	818	64 773
Pema Gatshel	15	1,412	2,691	450	68	79,737
Punakha	60	3,797	3,345	351	360	62,997
Samdrup Jongkhar	6	3,385	4,385	364	192	482,585
Samtse	31	11,985	7,212	2,049	561	83,969
Sarpang	57	5,665	6,504	501	401	93,767
Thimphu	588	7,185	8,256	164	181	150,323
Trashigang	27	1,247	2,076	106	71	36,133
Trashi Yangtse	110	3,531	6,574	636	224	94,532
Trongsa	54	2,008	2,347	166	131	40,657
Tsirang	7	3,868	4,143	339	162	27,326
Wangdue Phodrang	36	2,718	4,203	603	456	75,005
Zhemgang	73	1,623	2,923	83	90	36,297
Bhutan	**1,530**	**72,543**	**79,290**	**8,773**	**4,855**	**1,703,299**

Note: [1] Cumulative figures, collected from Annual Household Survey [2]
Oral pills = 1 user is equal to12 cycles or 13 cycles
[3] DMPA = 1 user is equal to 4 injections
Source: Annual Health Bulletin 2015, MoH, Thimphu.

Table 2.16: Number of Malaria Cases by Type and Deaths, Bhutan, (2010-2014)

(Numbers)

Details	2010	2011	2012	2013	2014
Plasmodium vivax	255	91	47	31	28
Plasmodium falciparum	139	88	33	13	15
Mixed infections	32	15	2	1	0
Deaths due to malaria (numbers)	1	1	1	0	0

Source: Annual Health Bulletin 2015, MoH, Thimphu.

Table 2.17: Number of Tuberculosis Cases by Type and Deaths, Bhutan, (2010-2014)

(Numbers)

Year	Type of TB cases			Total cases	Total deaths
	Pulmonary Positive	Pulmonary Negative	Extra Pulmonary		
2010	539	275	518	1,332	38
2011	452	225	573	1,250	17
2012	499	130	527	1,156	32
2013	524	120	471	1,115	13
2014	454	91	466	1,011	20

Source: Annual Health Bulletin 2015, MoH, Thimphu.

Table 2.18: Types of Water and Sanitation Facility by Dzongkhag, Bhutan ,2014

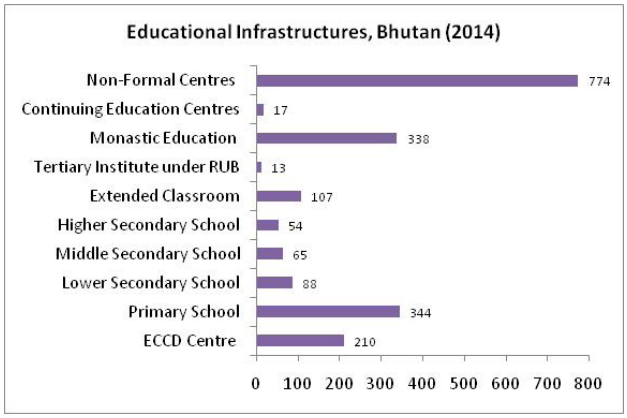
Dzongkhag	Percentage Coverage						
	Latrine	Water Supply	Household with Functional Piped water	Drainage & Footpath	Household with Animal Shed	Household with Vegetable Garden	Household with Garbage Pit
Bumthang	99.5	76.9	76.9	68.4	35.4	57.5	68.4
Chhukha	96.3	95.5	93.8	73.3	43.3	75.6	73.3
Dagana	96.9	95.6	89.4	68.6	57.6	85.2	68.6
Gasa	87.4	97.4	96.6	59.8	43.5	58.2	59.8
Haa	85.3	79.6	78.9	72.3	36.8	62.9	72.3
Lhuentse	99.6	99.6	99.5	84.4	73.7	89.7	84.4
Monggar	96.6	96.6	94.4	81.1	59.4	77.1	81.1
Paro	98.1	95.8	91.5	79.2	24.8	75.3	79.2
Pema Gatshel	99.2	96.4	94.7	49.4	43.6	78.1	49.4
Punakha	96.3	89.0	81.6	73.8	44.3	70.1	73.8
Samdrup Jongkhar	97.7	95.7	95.2	78.0	46.9	77.2	78.0
Samtse	97.1	96.7	96.1	57.2	62.3	73.7	57.2
Sarpang	99.0	98.9	95.5	70.4	71.6	86.3	70.4
Thimphu	96.4	94.9	93.0	55.3	28.5	62.5	55.3
Trashigang	96.6	96.2	93.9	59.3	53.3	79.2	59.3
Trashi Yangtse	94.9	95.8	92.3	74.9	64.3	86.2	74.9
Trongsa	96.5	99.0	97.5	66.9	22.8	65.0	66.9
Tsirang	95.7	97.8	93.2	32.9	63.3	89.3	32.9
Wangdue Phodrang	98.6	97.9	96.1	64.1	46.1	63.5	47.3
Zhemgang	99.6	97.0	95.4	55.1	45.2	86.1	55.1
Bhutan	**97**	**96**	**93**	**66**	**51**	**76**	**65**

Source: Annual Health Bulletin 2015, MoH, Thimphu.

The comprehensive modern education system in Bhutan was introduced with the initiation of economic development plans in 1961. The monastic form of education however existed and continues even today. There are now extensive network of schools and other educational institutions spread throughout the country.

The school-based education structure in Bhutan comprises of 11 years of free basic education from classes PP to X, divided into 7 years of primary education (PP-VI), which starts at the age of 6, and 4 years of secondary education (VII-X). Beyond the 10th standard, students either continue their general education in classes XI and XII in higher secondary schools or join the vocational training institutes or enter the labour market. After completing class XII, graduates either continue their studies at the tertiary level under one of the institutes under the Royal University of Bhutan (RUB) for diploma or bachelor's degree, or enter the job market. Some also go abroad for further studies.

The medium of instructions in the schools are Dzongkha (national language) and English. School curricula also include training in traditional arts, crafts, and agriculture. Besides the modern education system, there are large numbers of traditional institutions offering education to children in Monasteries, Drupdras and Shedras(The Ministry of Education has only recently started collecting information for the Shedras. Collection of information on private Monasteries and Drupdras has not yet been undertaken).



Non-Formal Education (NFE), which is meant for those individuals who are unable to avail the facilities of the formal education, was first established formally in 1992. Basic literacy skills, reading, writing and numeric skills are likewise strengthened through this system. The Ministry of Education maintains an extensive range of statistics on students, schools and teaching personnel.

Many schools provide boarding facilities for students living in areas far from the school with meals provided through the support of World Food Programme (WFP). The WFP also supports mid-day meals for day scholars who come from distant communities.

Table 3.1: Number of Schools, Institutes & Centres, Bhutan, 2014

(Numbers)

School/Institutes/Centres	Government	Private	Total
ECCD Centre	159	51	**210**
Primary School	332	12	**344**
Lower Secondary School	87	1	**88**
Middle Secondary School	63	2	**65**
Higher Secondary School	37	17	**54**
Extended Classroom	107	...	**107**
Special Institute [1]	8	...	**8**
Tertiary Institute under RUB	12	1	**13**
Technical	8	1	**9**
Sanskrit Patshala	1	...	**1**
Monastic Education (Lobdra, Shedra, etc) [2]	388	...	**388**
Continuing Education Centres	6	11	**17**
Non-Formal Centres	774	...	**774**

Note: [1] *Muenselling Institute, Drugyel LSS Deaf Unit, and six regular schools offering special education.*
[2] *The monastic Institutes reflected under Government is based on 2011 data.*

Source: Annual Education Statistics 2014, MoE.

Table 3.2: Number of Students, Learners, Trainees and Novitiates, Bhutan, 2014

(Numbers)

Details	Government			Private			Total		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
Early Childhood Development									
ECCD Centres	1,700	1,795	3,495	696	705	1,401	2,396	2,500	**4,896**
School Education									
Primary Schools	22,422	22,233	44,655	1,094	1,031	2,125	23,516	23,264	**46,780**
Lower Secondary Schools	21,694	21,610	43,304	108	101	209	21,802	21,711	**43,513**
Middle Secondary Schools	21,070	21,679	42,749	758	700	1,458	21,828	22,379	**44,207**
Higher Secondary Schools	13,041	13,511	26,552	4,071	4,359	8,430	17,112	17,870	**34,982**
Extended Classroom	1,482	1,403	2,885	0	0	0	1,482	1,403	**2,885**
Muenselling Institute	12	14	26	0	0	0	12	14	**26**
Sub-Total	79,721	80,450	160,171	6,031	6,191	12,222	85,752	86,641	**172,393**
Bhutanese students studying in India [1]	0	0	0	616	585	1,201	616	585	**1,201**
Sub-Total	79,721	80,450	160,171	6,647	6,776	13,423	86,368	87,226	**173,594**
Special Institutes [2]	228	138	366	0	0	0	228	138	**366**
Continuing Education	106	137	243	856	997	1,853	962	1,134	**2,096**
Tertiary Education									
Tertiary Institutes under RUB [3]	5,702	4,229	9,931	556	602	1,158	6,258	4,831	**11,089**
Tertiary Students abroad	606	289	895	1,672	1,107	2,779	2,278	1,396	**3,674**
Sub-Total	6,414	4,655	11,069	3,084	2,706	5,790	9,498	7,361	**16,859**
Technical institutes	824	487	1,311	36	58	94	860	545	**1,405**
Monastic Education (Lobdra, Shredra,etc)	7,240	...	7,240	5,149	...	5,149	12,389	...	**12,389**
Non-Formal Centres	2,099	5,980	8,079	0	0	0	2,435	7,193	**9,628**
Sanskrit Patshala	5	2	7	0	0	0	5	2	7
Total	**98,003**	**93,369**	**191,372**	**15,576**	**10,187**	**25,763**	**113,951**	**104,827**	**218,778**

Note: [1] Bhutanese Student studying in India in class PP-XII based on BLSS 2012 figures.

[2] All special needs children enrolled in Muenseling Institute as well as in formal school included under this category.

[3] Including Private Tertiary enrolment in Royal Thimphu College.

Source: Annual Education Statistics 2014, MoE.

Table 3.3: Summary of Teachers, Lecturers, Instructors, Trainers and Caregivers, Bhutan, 2014

(Numbers)

Details	Government			Private			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Early Childhood Development									
ECCD Centres	0	235	235	3	197	200	3	432	**435**
School Education									
Primary Schools	1,502	867	2,369	50	103	153	1,552	970	**2,522**
Lower Secondary Schools	1,034	898	1,932	10	8	18	1,044	906	**1,950**
Middle Secondary Schools	1,159	884	2,043	41	64	105	1,200	948	**2,148**
Higher Secondary Schools	890	477	1,367	291	132	423	1,181	609	**1,790**
Extended Classroom	123	27	150	0	0	0	123	27	**150**
Muenselling Institute	10	2	12	0	0	0	10	2	**12**
Sub-Total	4,718	3,155	7,873	392	307	699	5,110	3,462	**8,572**
Special Education Schools [1]	106	107	213	0	0	0	92	83	**175**
Tertiary Institutes under RUB	425	141	566	44	22	66	469	163	**632**
Technical Institutes	102	20	122	2	16	18	111	25	**136**
Sanskirt Patshala	2	0	2	0	0	0	2	0	**2**
Sub-Total	529	161	690	46	38	84	582	188	**770**
Non-Formal Centres	229	555	784	0	0	0	229	555	**784**
Total	**5,476**	**4,106**	**9,582**	**441**	**542**	**983**	**5,924**	**4,637**	**10,561**

Note: [1] *All teachers in Muenselling Institute including teachers who teaches special needs in eight regular schools*

Source: Annual Education Statistics 2014, MoE.

Table 3.4 Number of Schools by Type and Dzongkhag, Bhutan, 2014

(Numbers)

Dzongkhag	ECR	Private HSS	Public HSS	Private LSS	Public LSS	Private MSS	Public MSS	Private PS	Public PS	Total
Bumthang	1	1	1	0	2	0	3	0	12	**20**
Phuentsholing Thromde	0	1	1	1	1	0	2	0	0	**6**
Chhukha	5	0	2	0	3	0	6	0	26	**42**
Dagana	5	0	2	0	5	0	3	0	14	**29**
Gasa	2	0	0	0	1	0	1	0	2	**6**
Haa	3	1	1	0	3	0	0	0	5	**13**
Lhuentse	9	0	1	0	2	0	3	0	12	**27**
Monggar	8	1	3	0	7	0	2	0	37	**58**
Paro	0	4	2	0	6	0	4	3	7	**26**
Pema Gatshel	7	0	2	0	5	0	2	0	19	**35**
Punakha	8	1	1	0	3	0	4	0	10	**27**
Samdrup Jongkhar Thromde	0	0	0	0	0	0	1	1	2	**4**
Samdrup Jongkhar	7	1	2	0	4	0	4	0	15	**33**
Samtse	23	0	3	0	7	0	3	0	19	**55**
Gelephu Thromde	0	1	1	0	1	0	0	0	0	**3**
Sarpang	3	1	1	0	6	0	2	0	11	**24**
Thimphu Thromde	0	4	2	0	4	2	6	7	7	**32**
Thimphu	2	1	0	0	2	0	2	1	5	**13**
Trashigang	10	0	4	0	9	0	6	0	37	**66**
Trashi Yangtse	1	0	1	0	6	0	2	0	20	**30**
Trongsa	0	0	2	0	2	0	1	0	19	**24**
Tsirang	4	0	1	0	2	0	1	0	11	**19**
Wangdue Phodrang	8	0	2	0	3	0	2	0	19	**34**
Zhemgang	1	0	1	0	3	0	3	0	23	**31**
Total	**107**	**17**	**36**	**1**	**87**	**2**	**63**	**12**	**332**	**659**

Source: Annual Education Statistics 2014, MoE.

Table 3.5: Number of Teachers in Schools by Sex, Bhutan, (2010-2014)

(Numbers)

Details	2010			2011			2012			2013			2014		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Community Primary Schools [1]	991	386	1,377	1,072	299	1,371	...	...	...	...	...	...	...	...	...
Pvt Community Primary School	4	3	7	6	3	9	...	...	...	...	...	...	...	...	...
Primary Schools	435	461	896	460	437	897	1,548	787	2,335	1,525	814	2,339	1,502	867	2,369
Pvt Primary Schools	43	82	125	34	68	102	44	88	132	49	107	156	50	103	153
Lower Secondary Schools	919	938	1,857	1,005	944	1,949	1,032	944	1,976	1,106	987	2,093	1,034	898	1,932
Pvt Lower Secondary Schools	19	23	42	18	35	53	8	13	21	10	11	21	10	8	18
Middle Secondary Schools	797	636	1,433	924	696	1,620	954	731	1,685	1,075	822	1,897	1,159	884	2,043
Pvt Middle Secondary School	...	...	...	14	20	34	35	54	89	40	68	108	41	64	105
Higher Secondary Schools	659	387	1,046	699	374	1,073	772	421	1,193	869	478	1,347	890	477	1,367
Pvt Higher Secondary schools	173	111	284	244	85	329	257	98	355	300	132	432	291	132	423
Extended Classroom	...	...	...	101	15	116	125	21	146	114	23	137	123	27	150
Special Institute (Muenseling)	...	...	...	...	...	...	...	...	...	9	3	12	10	2	12
Total	**4,040**	**3,027**	**7,067**	**4,577**	**2,976**	**7,553**	**4,775**	**3,157**	**7,932**	**5,097**	**3,445**	**8,542**	**5,110**	**3,462**	**8,572**

Note: [1] *Community Primary Schools merged with Primary School after 2011.*

Source: Annual Education Statistics 2014, MoE.

Table 3.6: Enrolment in Schools and Institutions, Bhutan, (2010-2014)

(Numbers)

Institutions	2010	2011	2012	2013	2014
Schools	170,405	173,947	176,647	172,391	172,367
Community Primary Schools [1]	30,232	29,569	...	...	...
Primary Schools	24,586	22,510	50,733	47,511	46,780
Lower Secondary Schools	49,375	50,102	49,998	47,246	43,513
Middle Secondary Schools	37,871	40,097	39,963	41,153	44,207
Higher Secondary Schools	28,341	28,799	32,702	33,520	34,982
Extended Classroom	...	2,870	3,251	2,961	2,885
Tertiary Education Institutes (Royal University of Bhutan) [2]	5,243	6,315	7,400	9,350	11,089
College of Natural Resources, Lobesa	151	151	369	416	538
College of Science and Technology, Rinchending	384	477	641	730	788
Institute of Language and Culutural Studies, Simtokha	345	418	550	841	1,133
Jigme Namgyal Polytechnic, Dewathang	320	413	574	703	737
National Institute of Traditional Medicines, Thimphu	42	51	65	61	64
Paro College of Education, Paro	907	849	1,239	1,416	1,545
Royal Institute of Health Sciences, Thimphu	314	355	362	385	422
Samtse College of Education, Samtse	664	657	1,190	1,173	1,162
Sherubtse College, Kanglung	938	1,068	1,229	1,336	1,719
Gaeddu College of Business Studies	861	995	1,181	1,228	1,332
Royal Thimphu College (Pvt)	317	881	...	1,061	1,158
Royal Institute of Management [3]	...	...	...	...	399
Royal Institute for Tourism and Hospitality [3]	...	...	...	...	92
Vocational Institutes	...	...	...	1,102	1,405
TTI-Chumey	...	...	...	164	151
TTI Khuruthang	...	...	...	98	260

cont...

Table 3.6 cont...

Institutions	2010	2011	2012	2013	2014
TTI- Rangjung	...	...	...	234	180
TTI- Samthang	...	...	...	66	165
TTI- Serzhong	...	...	...	94	137
TTI-Thimphu	...	...	...	51	22
IZC- Thimphu	...	...	...	223	243
IZC- Tyangtse	...	...	...	172	153
Rigsum IITM (pvt) [3]	...	...	...	...	94
Special Education Institutes/ School	283	...	343	431	399
Special Education	n.a	...	...	424	392
Sanskrit patshala	n.a	5	...	7	7
Others	13,171	26,877	28,335	25,852	26,913
ECCD Centres	659	1,520	2,586	3,835	4,896
Non-formal Education Centres	12,901	12,968	13,360	9,628	9,628
Monastic education (Lobdra,Shedra etc.)	12,512	12,389	12,389	12,389	12,389

Note: [1] Community Primary Schools merged with Primary School after 2011.
[2] RUB has been delinked from MoE in 2011.
[3] Included after 2014

Source: Annual Education Statistics 2014, MoE.

Table 3.7: Number and Percent Share of Students per Dzongkhag by Type of Schools, Bhutan, 2014

Dzongkhag	ECR		PS		LSS		MSS		HSS		Grand Total	
	Total	%	Total	%	Total	%	Total	%	Total	%	Total	%
Bumthang	25	0.9	1,078	2.3	1,037	2.4	1,159	2.6	759	2.2	**4,058**	**2.4**
Phuentsholing Thromde	0	0	0	0	1,324	3	1,653	3.7	1,543	4	**4,520**	**2.6**
Chhukha	137	4.7	3,656	7.8	1,279	2.9	4,845	11.0	1,707	4.9	**11,624**	**6.7**
Dagana	173	6.0	2,021	4.3	1,601	3.7	2,548	5.8	1,186	3.4	**7,529**	**4.4**
Gasa	39	1.4	143	0.3	161	0.4	427	1.0	0	-	**770**	**0.4**
Haa	73	2.5	983	2.1	1,291	3.0	0	0	1,079	3.1	**3,426**	**2.0**
Lhuentse	179	6.2	1,505	3.2	512	1.2	1,151	2.6	490	1.4	**3,837**	**2.2**
Monggar	148	5.1	3,182	6.8	2,968	6.8	1,065	2.4	2,510	7.2	**9,873**	**5.7**
Paro	0	0	1,857	4.0	3,169	7	2,657	6.0	2,466	7	**10,149**	**5.9**
Pema Gatshel	142	4.9	1,576	3.4	2,256	5.2	989	2.2	1,154	3.3	**6,117**	**3.5**
Punakha	210	7.3	1,503	3.2	1,439	3.3	2,543	5.8	2,107	6.0	**7,802**	**4.5**
Samdrup Jongkhar Thromde	...	...	1,369	2.9	...	...	649	1.5	111	0.3	**2,129**	**1.2**
Samdrup Jongkhar	208	7.2	1,910	4.1	1,648	3.8	2,139	4.8	1,334	3.8	**7,239**	**4.2**
Samtse	905	31.4	3,448	7.4	4,226	9.7	3,469	7.8	3,734	10.6	**15,782**	**9.1**
Gelephu Thromde	0	0	0	0	1,756	4	0	0	1,558	4	**3,314**	**1.9**
Sarpang	136	4.7	1,778	3.8	2,978	6.8	2,356	5.3	884	2.5	**8,132**	**4.7**
Thimphu Thromde	0	0	5669	12.1	4,738	11	8,013	18.1	5,647	16	**24,067**	**13.9**
Thimphu	24	0.8	788	1.7	632	1.5	1,303	2.9	379	1.1	**3,126**	**1.8**
Trashigang	128	4.4	3,542	7.6	3,001	6.9	2,662	6.0	2,265	6.5	**11,598**	**6.7**
Trashi Yangtse	6	0.2	1,310	2.8	2,028	4.7	1,073	2.4	553	1.6	**4,970**	**2.9**
Trongsa	0	0	1,732	3.7	580	1	337	0.8	1,017	3	**3,666**	**2.1**
Tsirang	119	4.1	2,391	5.1	1,668	3.8	683	1.5	810	2.3	**5,671**	**3.3**
Wangdue Phodrang	216	7.5	3,502	7.5	2,193	5.0	1,039	2.3	1,336	3.8	**8,286**	**4.8**
Zhemgang	17	0.6	1,874	4.0	1,028	2.4	1,460	3.3	464	1.3	**4,843**	**2.8**
Total	**2,885**	**100**	**46,817**	**100**	**43,513**	**100**	**44,220**	**100**	**35,093**	**100**	**172,528**	**100**

Source: Annual Education Statistics 2014, MoE.

Table 3.8: Number of Students by Grade, Bhutan, (2010-2014)

(Numbers)

Grade	2010	2011	2012	2013	2014
Primary grade	110,369	111,173	110,575	104,323	101,641
Pre-primary/PP	17,165	15,581	13,464	12,433	13,171
I	16,732	16,746	15,843	13,349	12,486
II	16,246	17,082	16,967	15,537	13,511
III	15,808	16,020	16,721	15,880	15,097
IV	16,363	16,569	16,750	17,096	16,781
V	14,225	15,369	15,773	15,506	16,014
VI	13,830	13,806	15,057	14,522	14,581
Lower Secondary grade	24,904	26,568	27,887	28,018	28,929
VII	13,088	14,150	14,359	14,973	15,186
VIII	11,816	12,418	13,528	13,045	13,743
Middle Secondary grade	21,818	22,266	22,941	23,581	24,400
IX	11,525	11,876	12,408	12,816	12,543
X	10,293	10,390	10,533	10,765	11,857
Higher Secondary school	13,314	13,940	15,244	16,469	17,397
XI	6,446	6,687	7,386	7,870	8,118
XII	6,868	7,253	7,858	8,599	9,279
Total	**170,405**	**173,947**	**176,647**	**172,391**	**172,367**

Source: Annual Education Statistics 2014, MoE.

Table 3.9: Comparative Enrolment by Grade and Type of Schools, Bhutan, (2013-2014)

Class	Private Schools				Extended Classroom				Primary School			
	2013	2014	+or-	%	2013	2014	+or-	%	2013	2014	+or-	%
PP	885	1,011	126	14.2	754	730	(24)	(3.2)	5,479	5,763	284	5.2
I	607	672	65	10.7	771	685	(86)	(11.2)	5,794	5,508	(286)	(4.9)
II	528	459	(69)	(13.1)	916	709	(207)	(22.6)	6,983	6,020	(963)	(13.8)
III	457	438	(19)	(4.2)	520	744	224	43.1	6,854	6,850	(4)	(0.1)
IV	383	393	10	2.6	0	17	17	0	7,876	7,571	(305)	(3.9)
V	285	329	44	15.4	0	0	0	0	6,648	7,031	383	5.8
VI	261	297	36	13.8	0	0	0	0	5,811	5,912	101	1.7
Sub-Total	3,406	3,599	193	5.7	2,961	2,885	(76)	(2.6)	45,445	44,655	(790)	(1.7)
VII	114	164	50	43.9	...	...	...	...	...	...	...	...
VIII	146	138	(8)	(5.5)	...	...	...	...	...	...	...	...
Sub-Total	260	302	42	16.2	...	...	...	...	...	...	...	...
IX	103	141	38	36.9	...	...	...	...	...	...	...	...
X	138	167	29	21.0	...	...	...	...	...	...	...	...
Sub-Total	241	308	67	27.8	...	...	...	...	...	...	...	...
XI	3,471	3,101	(370)	(10.7)	...	...	...	...	...	...	...	...
XII	4,627	4,912	285	6.2	...	...	...	...	...	...	...	...
Sub-Total	8,098	8,013	(85)	(1.0)	...	...	...	...	...	...	...	...
Total	**12,005**	**12,222**	**217**	**1.8**	**2,961**	**2,885**	**(76)**	**(2.6)**	**45,445**	**44,655**	**(790)**	**(1.7)**

Source: Annual Education Statistics 2014, MoE.

Lower & Middle Secondary Schools				Higher Secondary Schools				Total			
2013	2014	+or-	%	2013	2014	+or-	%	2013	2014	+or-	%
5,067	5,424	357	7	248	243	(90)	(26.6)	12,433	13,171	738	5.9
5,937	5,347	(590)	(10)	240	274	(261)	(52.1)	13,349	12,486	(863)	(6.5)
6,787	6,035	(752)	(11)	323	288	(248)	(43.4)	15,537	13,511	(2,026)	(13.0)
7,564	6,716	(848)	(11)	485	349	(26)	(5.1)	15,880	15,097	(783)	(4.9)
8,332	8,285	(47)	(1)	505	515	52	11.5	17,096	16,781	(315)	(1.8)
8,153	8,131	(22)	(0)	420	523	(98)	(18.9)	15,506	16,014	508	3.3
7,963	7,942	(21)	(0)	487	430	(25)	(4.9)	14,522	14,581	59	0.4
49,803	47,880	(1,923)	(4)	2,708	2,622	(696)	(20.4)	104,323	101,641	(2,682)	(2.6)
13,560	13,643	83	1	1,299	1,379	246	23.4	14,973	15,186	213	1.4
11,846	12,320	474	4	1,053	1,285	(118)	(10.1)	13,045	13,743	698	5.4
25,406	25,963	557	2	2,352	2,664	128	5.8	28,018	28,929	911	3.3
6,431	6,445	14	0	6,282	5,957	244	4.0	12,816	12,543	(273)	(2.1)
5,215	5,765	550	11	5,412	5,925	(94)	(1.7)	10,765	11,857	1,092	10.1
11,646	12,210	564	5	11,694	11,882	150	1.3	23,581	24,400	819	3.5
...	...	...	...	4,399	5,017	(270)	(5.8)	7,870	8,118	248	3.2
...	...	...	...	3,972	4,367	(296)	(6.9)	8,599	9,279	680	7.9
...	...	...	...	8,371	9,384	(566)	(6.3)	16,469	17,397	928	5.6
86,855	**86,053**	**(802)**	**(0.9)**	**25,125**	**26,552**	**(984)**	**(3.8)**	**172,391**	**172,367**	**(24)**	**19.0**

Table 3.10: Coefficient of Internal Efficiency in percentage by Grade & Sex, Bhutan, 2013-14

Both Sexes	PP	I	II	III
Promotion rate	94.5%	94.5%	91.1%	98.4%
Repetition rate	3.1%	5.5%	5.8%	6.0%
Dropout rate	2.4%	0.0%	3.1%	-4.4%
Adjusted promotion rate	94.51%	94.46%	91.11%	94.04%
Survivors to the Grade	1,000.0	975.3	974.9	943.2
Average study time at Grade	1.0	1.1	1.1	1.1
Pupil-years invested per Graduate				
Coefficient of Internal Efficiency				
Boys				
	PP	**I**	**II**	**III**
Promotion rate	94.1%	93.2%	89.4%	98.3%
Repetition rate	3.6%	6.4%	6.6%	6.8%
Dropout rate	2.3%	0.4%	4.0%	-5.1%
Adjusted promotion rate	94.12%	93.21%	89.39%	93.20%
Survivors to the Grade	1,000.0	976.0	971.5	929.7
Average study time at Grade	1.0	1.1	1.1	1.1
Pupil-years invested per Graduate				
Coefficient of Internal Efficiency				
Girls				
	PP	**I**	**II**	**III**
Promotion rate	94.9%	95.8%	92.9%	98.5%
Repetition rate	2.6%	4.6%	5.1%	5.1%
Dropout rate	2.5%	-0.4%	2.1%	-3.6%
Adjusted promotion rate	94.92%	95.41%	92.86%	94.89%
Survivors to the Grade	1,000.0	974.5	974.5	953.3
Average study time at Grade	1.0	1.0	1.1	1.1
Pupil-years invested per Graduate				
Coefficient of Internal Efficiency				

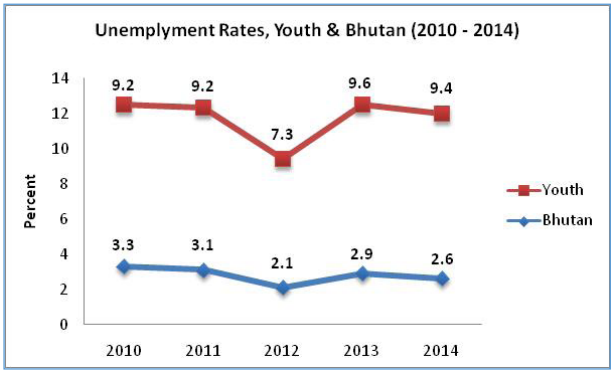
Source: Annual Education Statistics 2014, MoE.

Grade							
IV	V	VI	VII	VIII	IX	X	Graduates
86.7%	88.6%	99.6%	86.4%	92.7%	89.6%	92.9%	
6.8%	8.9%	5.9%	4.8%	6.2%	3.5%	3.5%	
7.6%	2.6%	-5.5%	8.8%	1.1%	6.9%	3.7%	
85.65%	88.60%	94.15%	86.43%	92.73%	89.60%	92.87%	
943.2	866.8	842.6	842.6	764.8	755.6	701.5	674.9
1.1	1.1	1.1	1.1	1.1	1.0	1.0	11.6
							15.1
							73.0%
Grade							
IV	V	VI	VII	VIII	IX	X	Graduates
82.5%	86.0%	98.3%	85.2%	93.3%	90.2%	92.6%	
8.3%	10.3%	6.2%	5.1%	6.1%	3.4%	3.3%	
9.2%	3.7%	-4.5%	9.7%	0.5%	6.4%	4.1%	
82.51%	85.96%	93.85%	85.18%	93.33%	90.21%	92.55%	
929.7	836.1	801.4	801.4	719.6	715.6	668.2	639.7
1.1	1.1	1.1	1.1	1.1	1.0	1.0	11.7
							15.6
							71.0%
Grade							
IV	V	VI	VII	VIII	IX	X	Graduates
88.8%	91.2%	100.9%	87.6%	92.2%	89.1%	93.2%	
5.3%	7.4%	5.6%	4.4%	6.2%	3.6%	3.6%	
5.9%	1.4%	-6.5%	7.9%	1.7%	7.4%	3.2%	
88.84%	91.16%	94.48%	87.63%	92.16%	89.06%	93.17%	
953.3	894.4	880.8	880.8	807.7	793.2	732.6	708.1
1.1	1.1	1.1	1.0	1.1	1.0	1.0	11.6
							14.6
							75.0%

The economy of Bhutan is characterized by the predominance of people engaged in self-employment, particularly those working on their own land. There is also a good deal of small cottage industry often undertaken in the home. The number of person working for wages is relatively small.

Statistics on human resources are designed to measure the involvement of people in economic activities. Economic activities refer to the production of economic goods and services and include people who are self-employed (e.g. farmers operating their own land) as well as persons who work for wages (i.e. employees). Broadly, a statistical system for human resources should cover topics such as size and characteristics of the labour force, employment, wage rate and conditions of work.

The National Statistics Bureau (NSB) conducted two consecutive Labour Force Surveys in 1998 and 2000. At present the Labour Market Information and Research Division (LMIRD) of the Department of Employment (DoE) under the Ministry of Labour and Human Resources (MoLHR) is conducting the Labour Force Surveys. Labour statistics presented in this chapter are mostly from Labour Force Survey (LFS) Report 2014 and Civil Service Statistics, December 2014, published by Royal Civil Service Commission (RCSC).



As per the findings from Labour Force Survey 2014, agriculture sector employs over 56.6 percent of the total employed persons. The employed persons comprise of all those who had performed some work, paid in cash or kind, during the reference period (past one week) for at least one hour or the person has a job or business formally attached but temporally absent from the work.

A total of 339,569 were employed and 9,174 were found to be unemployed out of total projected population of 755,710 in 2014, making unemployment rate at the national level at 2.6 percent as per the Labour Force Survey 2014.

Table 4.1: Type of Employment in Civil Servants by Position Category, Bhutan, (2010-2014)

Position Category & Position Level	31st December 2010			31st December 2011			31st December 2012			31st December 2013			31st December 2014		
	Regular	Contract	Total	Regular	Contract	Total	Regular	Contract	Total	Regular	Contract	Total	Regular	Contract	Total
Executive Position Category															
Constitutional Offices [1]	9		9	9		9	5		5	5	0	5	10		10
EX1	26		26	27		27	28		28	27	0	27	27		27
EX2	26	1	27	23	1	24	34	1	35	37	1	38	45	1	46
EX3	120		120	112		112	89		89	82	0	82	74	1	75
Total	**181**	**1**	**182**	**171**	**1**	**172**	**156**	**1**	**157**	**151**	**1**	**152**	**156**	**2**	**158**
Specialist Position Category															
ES1	4		4	3		3	2		2	3	0	3	1		1
ES2	5		5	5		5	11	1	12	11	1	12	22	1	23
ES3	68	10	78	70	1	71	74	1	75	73	1	74	71	1	72
Total	**77**	**10**	**87**	**78**	**1**	**79**	**87**	**2**	**89**	**87**	**2**	**89**	**94**	**2**	**96**
Professional & Management Position Category															
P1	399	39	438	368	6	374	364	7	371	413	7	420	531	9	540
P2	604	44	648	688	13	701	820	9	829	976	12	988	1,197	18	1,215
P3	1,694	93	1,787	1,733	111	1,844	1,698	82	1,780	1,825	69	1,894	2,017	71	2,088
P4	2,186	321	2,507	2,378	325	2,703	2,963	278	3,241	3,411	235	3,646	4,299	240	4,539
P5	5,490	235	5,725	5,480	213	5,693	5,559	217	5,776	5,583	188	5,771	5,088	187	5,275
Total	**10,373**	**732**	**11,105**	**10,647**	**668**	**11,315**	**11,404**	**593**	**11,997**	**12,208**	**511**	**12,719**	**13,132**	**525**	**13,657**

cont...

Table 4.1 cont...

Position Category & Position Level	31st December 2010			31st December 2011			31st December 2012			31st December 2013			31st December 2014		
	Regular	Contract	Total	Regular	Contract	Total	Regular	Contract	Total	Regular	Contract	Total	Regular	Contract	Total
Supervisory &Support Position Category															
S1	1,718	22	1,740	1,885	31	1,916	2,006	32	2,038	2,117	37	2,154	2,258	43	2,301
S2	2,264	8	2,272	2,290	11	2,301	2,317	13	2,330	2,367	16	2,383	2,391	21	2,412
S3	1,490	7	1,497	1,544	7	1,551	1,675	7	1,682	1,653	6	1,659	1,684	7	1,691
S4	1,387	12	1,399	1,470	16	1,486	1,677	47	1,724	1,756	42	1,798	2,025	32	2,057
S5	2,131	55	2,186	2,020	158	2,178	1,889	151	2,040	1,885	214	2,099	1,517	240	1,757
Total	**8,990**	**104**	**9,094**	**9,209**	**223**	**9,432**	**9,564**	**250**	**9,814**	**9,778**	**315**	**10,093**	**9,875**	**343**	**10,218**
Operational Positon Category															
O1	645	2	647	683	2	685	677	2	679	723	2	725	723	4	727
O2	440		440	428	43	471	459	27	486	442	33	475	430	34	464
O3	457		457	420		420	390		390	349	0	349	389		389
O4	476	24	500	534	43	577	612	51	663	650	54	704	559	52	611
Total	**2,018**	**26**	**2,044**	**2,065**	**88**	**2,153**	**2,138**	**80**	**2,218**	**2,164**	**89**	**2,253**	**2,101**	**90**	**2,191**
Grand Total	**21,639**	**873**	**22,512**	**22,170**	**981**	**23,151**	**23,349**	**926**	**24,275**	**24,388**	**918**	**25,306**	**25,358**	**962**	**26,320**

Note: [1] *Eminent members of the Parliament and Attorney General.*

Source: Civil Service Statistics, December 2014, RCSC.

Table 4.2: Employment in Civil Servants by Working Agency, Bhutan, 2014

Agency	Regular			Contract			Grand Total	% Against Grand Total
	Bhutanese	Non-Bhutanese	Total	Bhutanese	Non-Bhutanese	Total		
His Majesty's Secretariat	74	0	74	16	0	16	90	0.34%
His Majesty the 4th King's Secretariat	16	0	16	13	0	13	29	0.11%
Judiciary								
Royal Court of Justice	517	0	517	2	0	2	519	1.97%
Supreme Court of Bhutan	2	0	2	0	0	0	2	0.01%
Legislative								
National Assembly	50	0	50	0	0	0	50	0.19%
National Council	40	0	40	1	0	1	41	0.16%
Constitutional								
Royal Audit Authority	215	0	215	0	0	0	215	0.82%
Royal Civil Service Commission	80	0	80	2	0	2	82	0.31%
Anti-Corruption Commission	66	0	66		0	0	66	0.25%
Election Commission 1	...	...	...	...	...	...	...	...
Ministries								
Ministry of Agriculture & Forests	2,677	2	2,679	62	1	63	2,742	10.42%
Ministry of Health	1,937	2	1,939	41	23	64	2,003	7.61%
Ministry of Finance	856	0	856	9	1	10	866	3.29%
Ministry of Education	432	0	432	40	18	58	490	1.86%
Ministry of Works & Human Settlement	760	7	767		5	5	772	2.93%
Ministry of Economic Affairs	630	1	631	2	0	2	633	2.41%
Ministry of Home & Cultural Affairs	534	0	534	7	2	9	543	2.06%
Ministry of Information & Communications	491	0	491	0	0	0	491	1.87%

cont...

Table 4.2 cont...

Agency	Regular			Contract			Grand Total	% Against Grand Total
	Bhutanese	Non-Bhutanese	Total	Bhutanese	Non-Bhutanese	Total		
Ministry of Labour & Human Resources	364	2	366	0	0	0	366	1.39%
Ministry of Foreign Affairs	184	2	186	8	0	8	194	0.74%
Autonomous & Other Agencies								
National Land Commission	224	0	224	61	0	61	285	1.08%
Gross National Happiness Commission	74	0	74	0	0	0	74	0.28%
Royal Institute of Management	66	0	66	2	0	2	68	0.26%
Dratshang Lhentshog	57	0	57	4	0	4	61	0.23%
Tourism Council of Bhutan	65	0	65	3	0	3	68	0.26%
National Enviroment Commission	54	0	54	0	0	0	54	0.21%
Office of Attorney General	47	0	47	0	0	0	47	0.18%
Bhutan Standards Bureau	56	0	56	0	0	0	56	0.21%
National Statistical Bureau	45	0	45	0	0	0	45	0.17%
Cabinet Secretariat	41	0	41	2	0	2	43	0.16%
Bhutan Infocomm & Media Authority	32	0	32	1	0	1	33	0.13%
Bhutan Council for School Examination and Assessment	33	0	33	0	0	0	33	0.13%
Dzongkha Development Commission	27	0	27	1	0	1	28	0.11%
Center for Bhutan Studies & GNH Research	26	0	26	1	0	1	27	0.10%
Drug Regulatory Authority	25	0	25	0	0	0	25	0.09%
Bhutan Narcotic Control Agency	20	0	20	0	0	0	20	0.08%
Bhutan National Legal Institute	20	0	20	0	0	0	20	0.08%
National Commission for Women & Children	18	0	18	0	0	0	18	0.07%

cont...

Table 4.2 cont...

Agency	Regular			Contract			Grand Total	% Against Grand Total
	Bhutanese	Non-Bhutanese	Total	Bhutanese	Non-Bhutanese	Total		
Royal Privy Council	10	0	10	2	0	2	12	0.05%
Bhutan Olympic Committee	18	0	18	0	0	0	18	0.07%
Royal Institute of Law	7	0	7	0	0	0	7	0.03%
Civil Society Organization Authority	4	0	4	0	0	0	4	0.02%
Dzongkhags								
Bumthang	537	0	537	4	1	5	542	2.06%
Chhukha	1,006	3	1,009	26	41	67	1,076	4.09%
Dagana	630	0	630	18	7	25	655	2.49%
Gasa	163	0	163	4	0	4	167	0.63%
Haa	357	0	357	5	6	11	368	1.40%
Lhuentse	437	0	437	5	1	6	443	1.68%
Monggar	807	0	807	9	10	19	826	3.14%
Paro	817	1	818	13	11	24	842	3.20%
Pema Gatshel	607	0	607	22	21	43	650	2.47%
Punakha	711	0	711	13	18	31	742	2.82%
Samdrup Jongkhar	668	1	669	18	22	40	709	2.69%
Samtse	975	0	975	23	60	83	1,058	4.02%
Sarpang	739	2	741	7	18	25	766	2.91%
Thimphu	435	0	435	7	5	12	447	1.70%
Trashi Yangtse	481	1	482	7	8	15	497	1.89%
Trashigang	1,124	0	1,124	13	37	50	1,174	4.46%
Trongsa	448	0	448	6	5	11	459	1.74%
Tsirang	533	0	533	5	5	10	543	2.06%
Wangdue Phodrang	723	0	723	8	9	17	740	2.81%
Zhemgang	510	0	510	11	9	20	530	2.01%

cont...

Table 4.2 cont...

Agency	Regular			Contract			Grand Total	% Against Grand Total
	Bhutanese	Non-Bhutanese	Total	Bhutanese	Non-Bhutanese	Total		
Thromdes								
Thimphu	1,121	0	1,121	10	53	63	1,184	4.50%
Phuentsholing	235	1	236	3	29	32	268	1.02%
Gelephu	200	0	200		10	10	210	0.80%
Samdrup Jongkhar	129	0	129	1	8	9	138	0.52%
Non-civil Service Agencies								
Defence 2	18	0	18	0	0	0	18	0.07%
Corporations/Govt. Projects	17	0	17	0	0	0	17	0.06%
Non-Government Organizations	5	0	5	0	0	0	5	0.02%
Royal Education Council	3	0	3	0	0	0	3	0.01%
International Organizations	3	0	3	0	0	0	3	0.01%
Grand Total	**25,333**	**25**	**25,358**	**518**	**444**	**962**	**26,320**	**100.00%**

Note: [1] *Figures on ECB are based on information available with RCSC.*

[2] *Finance and Accounts staff placed in RBG/RBA/RBP.*

Source: Civil Service Statistics, December 2014, RCSC.

Table 4.3: Employment in Civil Servants by Type, Position Category & Sex, Bhutan, 2014

Position Category	Regular						Total Regular	Contract						Total Contract	Total Male	Total Female	Grand Total
	Bhutanese			Non-Bhutanese				Bhutanese			Non-Bhutanese						
	Male	Female	Total	Male	Female	Total		Male	Female	Total	Male	Female	Total				
Executive Position Category																	
Constitutional Offices [1]	6	4	10	0	0	0	10	0	0	0	0	0	0	0	6	4	**10**
EX1	26	1	27	0	0	0	27	0	0	0	0	0	0	0	26	1	**27**
EX2	42	3	45	0	0	0	45	1	0	1	0	0	0	1	43	3	**46**
EX3	68	6	74	0	0	0	74	1	0	1	0	0	0	1	69	6	**75**
Total	142	14	156	0	0	0	156	2	0	2	0	0	0	2	144	14	**158**
Specialist Position Category																	
ES1	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	**1**
ES2	21	1	22	0	0	0	22	1	0	1	0	0	0	1	22	1	**23**
ES3	60	10	70	1	0	1	71		0	0	1	0	1	1	62	10	**72**
Total	82	11	93	1	0	1	94	1	0	1	1	0	1	2	85	11	**96**
Professional & Management Position Category																	
P1	437	94	531	0	0	0	531	7	0	7	1	1	2	9	445	95	**540**
P2	868	326	1,194	3	0	3	1,197	5	1	6	11	2	13	19	887	329	**1,216**
P3	1,394	620	2,014	3	0	3	2,017	6	8	14	47	17	64	78	1,450	645	**2,095**
P4	2,703	1,595	4,298	1	0	1	4,299	15	20	35	160	57	217	252	2,879	1,672	**4,551**
P5	3,303	1,781	5,084	1	3	4	5,088	35		35	77	55	132	167	3,416	1,839	**5,255**
Total	8,705	4,416	13,121	8	3	11	13,132	68	29	97	296	132	428	525	9,077	4,580	**13,657**
Supervisory & Support Position Category																	
S1	1,479	775	2,254	2	2	4	2,258	17	18	35	3	5	8	43	1,501	800	**2,301**
S2	1,579	811	2,390	1		1	2,391	18	2	20		1	1	21	1,598	814	**2,412**
S3	1,036	645	1,681	2	1	3	1,684	4	3	7			0	7	1,042	649	**1,691**
S4	1,148	874	2,022	3		3	2,025	26	4	30		2	2	32	1,177	880	**2,057**
S5	712	803	1,515	1	1	2	1,517	166	73	239	1		1	240	880	877	**1,757**
Total	5,954	3,908	9,862	9	4	13	9,875	231	100	331	4	8	12	343	6,198	4,020	**10,218**

cont...

Table 4.3 cont...

Position Category	Regular						Total Regular	Contract						Total Contract	Total Male	Total Female	Grand Total
	Bhutanese			Non-Bhutanese				Bhutanese			Non-Bhutanese						
	Male	Female	Total	Male	Female	Total		Male	Female	Total	Male	Female	Total				
Operational Position Category																	
O1	557	166	723	0	0	0	723	3	0	3	1	0	1	4	561	166	**727**
O2	376	54	430	0	0	0	430	17	17	34		0	0	34	393	71	**464**
O3	295	94	389	0	0	0	389	0	0	0		0	0	0	295	94	**389**
O4	526	33	559	0	0	0	559	47	3	50	2	0	2	52	575	36	**611**
Total	**1,754**	**347**	**2,101**	**0**	**0**	**0**	**2,101**	**67**	**20**	**87**	**3**	**0**	**3**	**90**	**1,824**	**367**	**2,191**
Grand Total	**16,637**	**8,696**	**25,333**	**18**	**7**	**25**	**25,358**	**369**	**149**	**518**	**304**	**140**	**444**	**962**	**17,328**	**8,992**	**26,320**

Note: [1] *Eminent members of the Parliament & Attorney General are summed up with Executive Position Category.*

Source: Civil Service Statistics, December 2014, RCSC.

Table 4.4: Percentage Distribution of Employed Persons by Major Economic Activity and Sex, Bhutan, 2014

Major Economic Activity	Male	Female	Total
Agriculture & forestry	26.8	29.9	**56.6**
Mining & Quarrying	0.8	0.1	**0.9**
Manufacturing	3.7	3.4	**7.0**
Electricity, gas & water supply	0.7	0.2	**0.9**
Construction	1.8	0.2	**2.0**
Wholesale & retail trade	3.2	4.6	**7.8**
Hotels & restaurants	1.2	1.7	**2.9**
Transport, storage & communications	2.6	0.4	**3.0**
Financial intermediation	0.5	0.3	**0.8**
Real estate, renting & business activities	0.7	0.4	**1.2**
Public Administration & defence	9.3	2.3	**11.5**
Education	1.4	1.0	**2.4**
Health & social work	2.1	0.7	**2.8**
Private households with employed persons	0.1	0.1	**0.2**
Total	**55**	**45**	**100**

Source: Labour Force Survey Report 2014, MoLHR.

Table 4.5: Percentage Distribution of Employed Persons by Major Occupation and Sex, Bhutan, 2014

Major Occupation	Male	Female	Total
Legislators, senior officials & managers	2.1	0.4	**2.5**
Professionals	5.9	3.1	**8.9**
Technicians & associate professionals	2.3	0.9	**3.3**
Clerks	1.5	1.3	**2.7**
Service workers & shop & market sales workers	3.0	5.1	**8.1**
Skilled agricultural & fishery workers	26.8	29.9	**56.6**
Craft & related workers	3.1	2.8	**5.9**
Plant & machine operators & assemblers	4.5	0.2	**4.7**
Elementary occupations	2.1	1.3	**3.4**
Armed Forces	3.5	0.2	**3.7**
Total	**54.8**	**45.2**	**100**

Source: Labour Force Survey Report 2014, MoLHR.

Table 4.6: Percentage Distribution of Employed Persons by Nature of Employment and Sex, Bhutan, 2014

Nature of Employment	Male	Female	Total
Regular paid employee	18.1	6.1	**24.3**
Casual paid employee	2.0	0.4	**2.4**
Contract/Piece paid employee	1.6	0.7	**2.3**
Own account worker (Non agriculture)	5.5	6.0	**11.5**
Own account worker (Agriculture)	13.1	7.5	**20.6**
Family worker (Non-agriculture)	1.1	2.2	**3.3**
Family worker (Agriculture)	13.4	22.1	**35.6**
Total	**54.8**	**45.2**	**100**

Source: Labour Force Survey Report 2014, MoLHR.

Table 4.7: Percentage Distribution of Labour Force Participation, Employment Status by Age Group and Sex, Bhutan, 2014

Age	Labour Force participation rate			Unemployment rate			Employment rate		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
15-19	9.6	9.2	9.4	12.3	4.9	8.6	87.7	95.1	91.4
20-24	45.2	50.3	47.9	7.6	11.1	9.6	92.4	88.9	90.4
25-29	87.5	67.1	76.2	5.7	10.1	7.9	94.3	89.9	92.1
30-34	93.4	66.4	79.1	1.2	2.2	1.6	98.8	97.8	98.4
35-39	95.1	71.3	82.7	0.6	0.6	0.6	99.4	99.4	99.4
40-44	95.3	72.9	83.6	0.3	0.3	0.3	99.7	99.7	99.7
45-49	96.3	73.7	84.6	0.2	0.2	0.2	99.8	99.8	99.8
50-54	92.6	74.5	83.7	0.0	0.5	0.2	100.0	99.5	99.8
55-59	93.2	68.1	81.1	0.1	0.1	0.1	99.9	99.9	99.9
60-64	77.7	63.3	70.9	0.0	0.0	0.0	100.0	100.0	100.0
65+	52.6	25.4	38.7	0.0	0.0	0.0	100.0	100.0	100.0
Total	**71.0**	**54.8**	**62.6**	**1.9**	**3.5**	**2.6**	**98.1**	**96.5**	**97.4**

Source: Labour Force Survey Report 2014, MoLHR.

Table 4.8: Number of Persons Employed by Age Group and Type, Bhutan, 2014

Age	Civil Service		Other Government Agencies		Public/ Government Owned Companies		Private Companies		Armed Forces		Private Business		Agri. Farming		NGO/INGO		Total		Grand total
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
15-19	0	13	52	22	90	9	322	836	18	0	322	836	2,762	2,676	0	0	3,245	3,557	**6,801**
20-24	600	650	459	357	630	450	4,203	4,529	183	90	4,203	4,529	6,633	9,887	6	30	12,713	15,994	**28,707**
25-29	2,840	3,076	2,401	958	2,075	1,216	8,311	8,167	1,452	116	8,311	8,167	8,443	9,673	26	78	25,548	23,284	**48,831**
30-34	3,722	2,214	1,508	590	1,615	715	7,690	6,244	2,653	173	7,690	6,244	8,339	10,335	56	52	25,583	20,323	**45,907**
35-39	2,769	1,187	2,241	456	1,330	546	5,834	5,389	2,727	170	5,834	5,389	9,569	12,255	13	32	24,482	20,034	**44,516**
40-44	2,027	528	1,366	301	1,522	293	4,707	3,107	2,148	0	4,707	3,107	7,711	11,987	0	19	19,481	16,234	**35,715**
45-49	1,949	382	870	253	1,229	224	5,160	3,478	1,620	13	5,160	3,478	9,008	11,966	26	13	19,861	16,329	**36,190**
50-54	1,499	233	1,241	44	796	41	3,491	2,351	442	0	3,491	2,351	10,188	10,946	30	13	17,688	13,627	**31,315**
55-59	508	0	817	42	352	43	2,908	762	86	0	2,908	762	9,160	8,529	0	0	13,830	9,375	**23,205**
60-64	13	0	404	76	187	0	2,247	615	13	0	2,247	615	8,083	7,431	13	0	10,960	8,122	**19,082**
65+	9	0	137	0	6	0	1,572	759	26	0	1,572	759	11,049	5,740	0	0	12,799	6,499	**19,299**
Total	**15,936**	**8,283**	**11,495**	**3,098**	**9,833**	**3,537**	**46,446**	**36,238**	**11,367**	**562**	**46,446**	**36,238**	**90,944**	**101,425**	**169**	**236**	**186,190**	**153,378**	**339,569**

Source: Labour Force Survey Report 2014, MoLHR.

Table 4.9: Total Employed Persons by Age Group and Completed Level of Education, Bhutan, 2014

Age	Level of Education											Total
	Illiterate	Nursery	Primary	Lower Secondary	Middle Secondary	Higher Secondary	Under-graduate	Bachelors Degree	Masters & Above	NFE	Religious Professionals	
15-19	2,490	0	1,319	1,297	709	179	0	13	0	474	320	**6,801**
20-24	8,954	22	3,612	2,449	5,596	4,780	169	871	0	1,452	803	**28,707**
25-29	14,794	0	4,969	3,405	7,380	7,599	109	7,722	208	2,157	488	**48,831**
30-34	18,862	19	5,934	2,878	6,352	4,635	61	3,793	666	2,351	356	**45,907**
35-39	25,321	0	6,243	3,007	3,182	2,502	13	1,721	547	1,326	655	**44,516**
40-44	24,006	16	4,152	1,574	1,868	682	74	830	585	1,364	563	**35,715**
45-49	26,000	0	3,051	1,549	1,477	509	55	891	447	1,050	1,162	**36,190**
50-54	25,656	0	1,922	660	1,128	268	25	651	221	401	382	**31,315**
55-59	19,909	0	1,364	442	553	173	30	204	61	72	396	**23,205**
60-64	16,153	0	1,430	173	67	91	90	136	56	230	657	**19,082**
65+	17,709	0	406	210	97	143	0	17	13	0	705	**19,299**
Total	**199,853**	**57**	**34,402**	**17,644**	**28,409**	**21,560**	**625**	**16,848**	**2,804**	**10,877**	**6,488**	**339,569**

Source: Labour Force Survey Report 2014, MoLHR.

Table 4.10: Total Employed Persons by Level of Education and Dzongkhag, Bhutan, 2014

Dzongkhag	Level of Education											Total
	Illiterate	Nursery	Primary	Lower Secondary	Middle Secondary	Higher Secondary	Under graduate	Bachelors Degree	Masters & Above	NFE	Religious Professionals	
Bumthang	3,959	19	968	581		357	58	126	0	126	39	**7,101**
Chukha	13,129	0	3,355	2,140	4,476	3,525	85	3,465	408	17	17	**30,616**
Dagana	6,897	0	2,112	714	698	403	0	155	0	746	78	**11,803**
Gasa	2,676	0	124	232	237	29	0	5	0	114	5	**3,422**
Haa	5,638	0	509	182	605	182	0	98	0	218	556	**7,988**
Lhuntse	5,026	0	324	224	281	228	0	224	0	253	11	**6,570**
Mongar	16,631	16	1,944	822	1,545	745	0	526	49	1,709	312	**24,300**
Paro	11,407	0	1,449	1,154	1,574	1,381	0	690	0	152	396	**18,204**
Pemagatshel	9,547	0	1,064	707	904	594	0	93	0	821	893	**14,623**
Punakha	11,596	0	2,396	716	1,058	1,370	37	483	12	0	128	**17,796**
Samdrup Jongkhar	11,511	0	1,264	1,081	1,649	692	89	533	12	632	519	**17,981**
Samtse	23,530	22	5,988	1,939	2,594	796	43	598	304	2,758	296	**38,869**
Sarpang	12,605	0	2,160	1,188	1,460	779	129	737	141	655	321	**20,176**
Thimphu	11,159	0	4,181	3,003	6,251	6,808	168	7,792	1,631	311	686	**41,989**
Tashigang	13,668	0	1,093	605	973	867	0	148	31	450	56	**17,891**
Tashiyangtse	5,082	0	725	295	605	677	0	351	154	0	0	**7,890**
Trongsa	6,336	0	662	74	390	160	0	49	0	12	133	**7,817**
Tsirang	5,927	0	972	415	895	229	0	197	22	600	11	**9,268**
Wangdue	13,397	0	2,089	1,262	1,154	1,433	16	457	22	746	1,587	**22,163**
Zhemgang	10,132	0	1,025	310	188	306	0	122	19	559	442	**13,102**
Total	**199,853**	**57**	**34,402**	**17,644**	**28,409**	**21,560**	**625**	**16,848**	**2,804**	**10,877**	**6,488**	**339,569**

Source: Labour Force Survey Report 2014, MoLHR.

Table 4.11: Total Employed Persons by Major Economic Activity and Nature of Employment, Bhutan, 2014

Major Economic Activity	Nature of Employment								Total
	Regular paid employee	Casual paid employee	Contract/ piece paid worker	Own-account workers (Non-agriculture)	Own-account workers (Agriculture)	Family workers (Non-agriculture)	Family workers (Agriculture)	Don't know	
Agriculture and forestry	0	144	68	258	69,964	329	121,518	0	**192,281**
Mining and quarrying	2,849	33	157	46	0	0	0	0	**3,086**
Manufacturing	8,552	2,418	2,163	7,343	170	3,047	164	5	**23,863**
Electricity, gas and water supply	2,863	22	217	0	12	0	0	0	**3,114**
Construction	1,989	1,815	1,814	1,009	13	46	0	0	**6,686**
Wholesale and retail trade	2,754	241	237	17,640	193	5,352	0	0	**26,417**
Hotels and restaurants	3,695	226	391	4,182	12	1,217	9	0	**9,733**
Transport and communications	3,699	1,110	621	4,498	117	65	0	0	**10,108**
Financial intermediation	2,544	6	127	0	0	0	0	0	**2,677**
Real estate, renting & business activities	1,247	168	70	2,410	0	90	0	0	**3,985**
Public administration & defense	37,852	472	682	17	16	12	0	0	**39,051**
Education	7,713	162	259	134	0	0	0	0	**8,267**
Health & social work	6,280	1,093	852	1,082	0	176	0	0	**9,483**
Private households with employed persons	398	218	25	155	0	22	0	0	**818**
Total	**82,436**	**8,129**	**7,680**	**38,773**	**70,497**	**10,356**	**121,692**	**5**	**339,569**

Source: Labour Force Survey Report 2014, MoLHR.

Table 4.12: Employed Persons by Dzongkhag, Sex and Area of Residence, Bhutan, 2014

Dzongkhags	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bumthang	3,801	3,299	7,101	1,426	1,060	2,486	2,375	2,240	4,615
Chhukha	20,332	10,285	30,616	10,550	4,553	15,103	9,782	5,731	15,513
Dagana	6,289	5,514	11,803	849	463	1,313	5,439	5,051	10,490
Gasa	1,320	2,102	3,422	68	54	122	1,252	2,049	3,300
Haa	3,934	4,053	7,988	452	244	696	3,483	3,809	7,292
Lhuntse	3,131	3,440	6,570	288	235	523	2,842	3,205	6,047
Monggar	11,682	12,618	24,300	1,907	1,726	3,634	9,774	10,892	20,666
Paro	8,528	9,676	18,204	1,089	872	1,961	7,439	8,805	16,243
Pema Gatshel	7,622	7,001	14,623	776	419	1,195	6,846	6,582	13,428
Punakha	8,941	8,855	17,796	1,154	1,068	2,222	7,787	7,787	15,574
Samdrup Jongkhar	10,051	7,930	17,981	2,386	878	3,265	7,665	7,052	14,717
Samtse	21,502	17,366	38,869	5,255	2,736	7,991	16,248	14,630	30,878
Sarpang	12,305	7,871	20,176	3,227	1,284	4,511	9,077	6,587	15,665
Thimphu	26,469	15,520	41,989	21,806	11,673	33,479	4,663	3,847	8,510
Trashigang	9,511	8,380	17,891	671	554	1,225	8,840	7,826	16,666
Trashi Yangtse	4,524	3,366	7,890	765	303	1,068	3,759	3,063	6,821
Trongsa	3,533	4,283	7,817	591	332	923	2,942	3,951	6,894
Tsirang	5,202	4,066	9,268	459	284	743	4,743	3,782	8,525
Wangdue Phodrang	10,921	11,242	22,163	1,186	534	1,720	9,735	10,708	20,443
Zhemgang	6,593	6,509	13,102	649	564	1,213	5,945	5,945	11,889
Total	**186,190**	**153,378**	**339,569**	**55,556**	**29,837**	**85,393**	**130,634**	**123,542**	**254,176**

Source: Labour Force Survey Report 2014, MoLHR.

Table 4.13: Employed Persons who Worked During the past one Week Prior to the Survey Period by Major Economic Activity and Hours of Work, Bhutan ,2014

Major Economic Activity	Total Hours Worked							Total
	<30 hrs	30-39 hrs	40-49 hrs	50-59 hrs	60-69 hrs	70-79 hrs	80+hrs	
Agriculture and Forestry	13,165	13,763	71,708	42,127	20,894	18,169	10,686	**192,281**
Mining and Quarrying	88	29	1,327	429	178	483	552	**3,086**
Manufacturing	2,987	3,819	9,975	3,349	1,481	1,589	650	**23,863**
Electricity, Gas and Water Supply	0	130	2,479	232	156	38	80	**3,114**
Construction	324	270	2,286	1,982	534	611	514	**6,686**
Wholesale and Retail trade	1,239	790	7,357	4,302	2,633	5,097	4,714	**26,417**
Hotels and Restaurants	119	542	3,354	2,040	734	1,102	1,692	**9,733**
Transport, Finance and Communications	288	588	4,173	1,275	1,024	1,461	1,184	**10,108**
Financial Intermediation	18	629	1,762	221	18	12	15	**2,677**
Real Estate, Renting and Business Activities	389	396	1,651	485	220	93	137	**3,985**
Public Administration and Defense Activities	840	6,005	22,030	5,969	1,586	1,257	1,338	**39,051**
Education	346	958	4,610	1,098	419	148	135	**8,267**
Health and Social Work	836	1,575	4,603	1,108	350	447	292	**9,483**
Private Households with Employed Persons	227	73	259	25	12	63	159	**818**
Total	**20,866**	**29,566**	**137,573**	**64,641**	**30,239**	**30,569**	**22,151**	**339,569**

Source: Labour Force Survey Report 2014, MoLHR.

Table 4.14: Employed Persons who Worked During The Past One Week Prior to the Survey Period by Nature of Employment and Hours of Work, Bhutan, 2014

Nature of Employment	Total Hours Worked								Total
	<30 hrs	30-39 hrs	40-49 hrs	50-59 hrs	60-69 hrs	70-79 hrs	80+hrs	Missing	
Regular paid employee	1,929	9,991	47,888	12,024	3,545	2,989	3,459	611	**82,436**
Casual paid employee	526	583	2,741	1,713	1,262	794	382	128	**8,129**
Contract/piece paid worker	888	691	2,502	1,128	381	1,150	681	259	**7,680**
Own-account workers (Non-agriculture)	3,143	3,020	10,951	6,071	3,406	6,252	5,469	839	**39,152**
Own-account workers (Agriculture)	4,867	4,859	23,224	15,153	7,155	8,271	6,489	101	**70,118**
Family workers (Non-agriculture)	1,417	1,445	2,696	1,935	882	1,116	1,419	346	**11,256**
Family workers (Agriculture)	8,095	8,977	47,565	26,617	13,607	9,999	4,252	1,680	**120,792**
Total	**20,866**	**29,566**	**137,573**	**64,641**	**30,239**	**30,569**	**22,151**	**3,963**	**339,569**

Source: Labour Force Survey Report 2014, MoLHR.

Table 4.15: Employed Persons by Major Economic Activity and Level of Education, Bhutan, 2014

Major Economic Activity	Completed Level of Education											Total
	Illiterate	Nursery	Primary	Lower Secondary	Middle Secondary	Higher Secondary	Undergraduate	Bachelors Degree	Masters Degree & Above	NFE	Religious Professionals	
Agriculture and forestry	149,779	0	16,504	6,817	6,171	1,397	157	216	0	7,760	3,479	192,281
Mining and Quarrying	1,206	0	294	206	427	379	13	356	13	88	103	3,086
Manufacturing	13,026	0	2,832	1,197	2,538	1,417	39	1,130	162	1,124	397	23,863
Electricity, gas & water supply	465	16	440	174	951	530	19	457	60	0	0	3,114
Construction	2,491	0	1,065	431	911	525	22	646	55	369	171	6,686
Wholesale and retail trade	12,235	22	3,308	1,824	4,039	2,377	59	1,473	69	727	285	26,417
Hotels & restaurants	2,816	0	1,507	890	1,988	1,915	0	520	30	23	43	9,733
Transport communications	3,317	0	1,149	785	1,581	1,498	56	1,333	61	0	330	10,108
Fincancial intermediation	48	0	92	62	240	893	0	1,248	95	0	0	2,677
Real estate, renting & business activities	1,826	0	304	349	538	298	25	425	207	0	13	3,985
Public Administration and defence	9,534	19	5,424	3,843	6,238	5,491	167	6,143	1,296	524	371	39,051
Education	945	0	199	199	1,496	2,864	43	1,818	518	185	0	8,267
Health and social work	1,626	0	1,074	844	1,278	1,976	25	1,082	239	56	1,283	9,483
Private households with employed persons	539	0	209	22	13	0	0	0	0	22	12	818
Total	**199,853**	**57**	**34,402**	**17,644**	**28,409**	**21,560**	**625**	**16,848**	**2,804**	**10,877**	**6,488**	**339,569**

Source: Labour Force Survey Report 2014, MoLHR.

Table 4.16: Unemployed Persons by Age Group, Sex and Area of Residence, Bhutan, 2014

Age	Rural			Urban			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
15-19	406	0	406	54	183	236	459	183	642
20-24	326	831	1,157	713	1,168	1,881	1,039	1,999	3,038
25-29	427	680	1,107	1,127	1,950	3,077	1,553	2,630	4,183
30-34	208	0	208	108	447	556	316	447	763
35-39	117	0	117	37	123	160	153	123	276
40-44	0	0	0	63	54	116	63	54	116
45-49	0	0	0	30	35	65	30	35	65
50-54	0	0	0	0	64	64	0	64	64
55-59	0	0	0	13	13	26	13	13	26
60-64	0	0	0	0	0	0	0	0	0
65+	0	0	0	0	0	0	0	0	0
Total	**1,483**	**1,511**	**2,994**	**2,144**	**4,035**	**6,180**	**3,627**	**5,546**	**9,174**

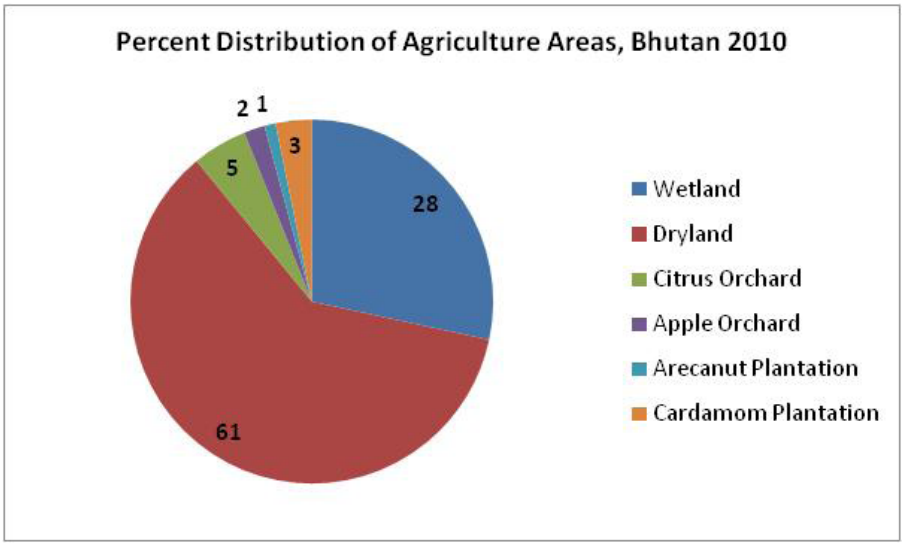
Source: Labour Force Survey Report 2014, MoLHR.

The Ministry of Agriculture and Forests (MoA), over the past four decades, was concerned about "how to grow" by establishing various agriculture infrastructures to produce and distribute the inputs. Currently the MoA established 4 main Renewable Natural Resources (RNR) research centers.

The MoA with the accumulated experiences having accomplished one five year plan to the other, maintains the three basic objectives that are to i) conserve the environment, ii) enhance the rural income and iii) attain self-reliance in cereals and essential oil crops. In 2014, Agriculture contributed 16.77 percent to the total economy i.e. as measured by the Gross Domestic Product. It was also the single largest sector that provides livelihood over 56.7 percent of the population as per Labour Force Survey 2014.

Agricultural practices have changed tremendously over the years. Until a decade ago, agriculture was practiced on a subsistence basis. Whatever was produced on the farm was consumed having little or no marketable surplus. The farm production is supplemented by keeping different kinds of domestic animals such as cattle for draught and milking purpose, chicken for eggs and pigs for meat etc. At higher altitudes, herds of yaks and sheep are also kept for draught and milking.

Owing to the improved communication facilities in the country, there is an increasing tendency to go for cash crops like apples in the temperate north; oranges, areca nut and cardamom in the subtropical south. Other cash crops that are exported include ginger, chilies and vegetables.



Strategies to increase livestock and cereal production include the propagation and practice of double cropping of the paddy production and distribution of high yield varieties. In the livestock sector the artificial insemination covers not only for the Jersey breeds that are high yielding but also for the production of Jatsa and Jatsam that are local high yielding varieties. As a result, increasing number of farms is mechanized with sizable investment on the machinery and other inputs that are subsidized by the government.

The issue is not only to formulate well-balanced agricultural policies and the response shown by the farmers to the designed policies and also to monitor the progress. To do this, a good statistical database, giving the trends or time series is required.

Back in 1988/89, the National Agronomic Survey was carried out in collaboration with the then Department of Agriculture. Though the Ministry of Agriculture and Forests conducted nation-wide sample surveys called RNR Census in 2009, but the major source of data presented in this chapter are from the Bhutan RNR Statistics 2015 and administrative records maintained by different departments under the Ministry of Agriculture and Forests.

Table 5.1: Number of Agriculture Research and Extension Facilities, Bhutan, (2010-2013)

(Numbers)

Infrastructure	2010	2011	2012	2013
RNR (Common services)				
RNR Extension Centers	138	139	139	139
RNR Research Centers	4	4	4	4
RNR Research sub-stations	6	6	6	6
Soil and Plant Analytical Laboratory	1	1	1	1
Agriculture				
Agriculture Extension Centers	40	40	40	40
Agriculture Seed Production Farms	11	11	11	11
Farm Mechanization Centers	3	3	3	3
Farm Mechanization Training Centers	1	1	1	1
National Mushroom Center	1	1	1	1
National Post Harvest Center	1	1	1	1
National Plant Protection Center	1	1	1	1
Livestock				
Regional Hospitals	20	20	20	20
Livestock Extension Centers	42	42	42	42
Regional Veterinary Laboratories	3	3	3	4
Livestock Farms	11	11	11	11
Fodder Seed Production Center	1	1	1	1
Vaccine Production Centre	1	1	1	1
National Artificial Insemination Center	1	1	1	1
National Cold Water Fishery Center	1	1	1	1
National Warm Water Fish Culture Center	1	1	1	1
National Center for Animal Health	1	1	1	1
Forestry				
Territorial Division HQs	12	12	12	12
National Parks	5	5	5	5
Range Offices	55	55	55	55
Beat Offices	80	80	80	80
Nature Conservation Study Center	1	1	1	1
Wildlife Sanctuaries	3	3	3	3
Nature Study Center	1	1	1	1
Percent of Forest cover	72	70.46	70.46	70.46
Percent of Protected Area	51.25	51.4	51.4	51.4

Source: Policy & Planning Division, MoAF, Thimphu.

Table 5.2: Area Proportion by Altitude Zones as Percentage of Total Dzongkhag Area, Bhutan, 2010

Dzongkhag	Altitude Zones (metres)										Total
	Area	< 600	1200-1800	1800-2400	2400-3000	3000-3600	3600-4200	4200-4800	4800-5400	> 5400	
Bumthang	0.00	0.00	0.00	0.31	7.23	25.05	26.58	19.52	19.29	2.03	100
Chhukha	4.80	16.69	21.22	20.19	19.70	13.16	4.08	0.16	0.00	0.00	100
Dagana	12.37	18.86	18.98	18.97	17.82	8.17	3.86	0.98	0.00	0.00	100
Gasa	0.00	0.00	0.03	1.01	3.06	5.90	13.41	28.64	37.50	10.44	100
Haa	0.00	1.72	6.19	10.31	16.74	21.50	23.90	16.48	3.11	0.03	100
Lhuentse	0.00	0.57	5.57	13.81	19.23	17.85	15.35	16.16	10.54	0.93	100
Monggar	1.65	15.29	26.44	25.13	16.88	12.26	2.35	0.00	0.00	0.00	100
Paro	0.00	0.00	0.00	4.15	23.30	25.88	18.73	21.96	5.88	0.09	100
Pema Gatshel	11.20	39.34	35.61	12.82	1.03	0.00	0.00	0.00	0.00	0.00	100
Punakha	0.00	0.00	13.17	27.52	25.04	16.08	11.59	6.41	0.19	0.00	100
Samdrup Jongkhar	18.23	24.13	25.38	18.60	9.52	3.57	0.56	0.02	0.00	0.00	100
Samtse	14.98	28.68	24.26	17.51	10.89	2.78	0.81	0.08	0.00	0.00	100
Sarpang	21.67	26.38	24.18	20.55	5.49	1.29	0.43	0.01	0.00	0.00	100
Thimphu	0.00	0.00	0.00	1.60	15.07	22.92	19.78	25.04	13.86	1.74	100
Trashigang	0.01	4.25	13.90	21.98	21.05	18.35	15.83	4.63	0.00	0.00	100
Trashi Yangtse	0.00	1.75	5.86	15.06	22.90	19.57	15.64	14.35	4.60	0.27	100
Trongsa	0.00	1.74	8.72	17.66	28.24	23.83	12.50	7.14	0.16	0.00	100
Tsirang	4.45	28.18	33.75	20.38	8.85	3.53	0.86	0.00	0.00	0.00	100
Wangdue Phodrang	0.03	2.55	7.92	13.30	17.22	20.18	13.15	11.61	12.89	1.15	100
Zhemgang	8.33	27.53	28.78	17.79	9.41	5.40	2.04	0.71	0.00	0.00	100
Bhutan	**4.08**	**9.70**	**12.94**	**13.92**	**14.78**	**14.29**	**11.23**	**10.16**	**7.64**	**1.27**	**100**

Source: Land Cover Mapping Project 2010, NSSC/PPD MoAF, Thimphu.

Table 5.3: Area Proportion by Altitude Zones as Percentage of Total Country Area, Bhutan, 2010

Dzongkhag	Altitude Zones (metres)										Total
	Area	< 600	1200-1800	1800-2400	2400-3000	3000-3600	3600-4200	4200-4800	4800-5400	> 5400	
Bumthang	0.00	0.00	0.00	0.02	0.51	1.76	1.86	1.37	1.35	0.14	7.01
Chhukha	0.23	0.82	1.04	0.99	0.96	0.64	0.20	0.01	0.00	0.00	4.89
Dagana	0.55	0.84	0.85	0.85	0.80	0.37	0.17	0.04	0.00	0.00	4.48
Gasa	0.00	0.00	0.01	0.08	0.25	0.48	1.08	2.31	3.03	0.84	8.07
Haa	0.00	0.08	0.30	0.50	0.81	1.04	1.16	0.80	0.15	0.00	4.86
Lhuentse	0.00	0.04	0.41	1.01	1.41	1.31	1.13	1.18	0.77	0.07	7.33
Monggar	0.08	0.77	1.33	1.26	0.85	0.62	0.12	0.00	0.00	0.00	5.02
Paro	0.00	0.00	0.00	0.14	0.77	0.85	0.61	0.72	0.19	0.00	3.28
Pema Gatshel	0.29	1.03	0.94	0.34	0.03	0.00	0.00	0.00	0.00	0.00	2.63
Punakha	0.00	0.00	0.38	0.80	0.73	0.47	0.34	0.19	0.01	0.00	2.90
Samdrup Jongkhar	0.88	1.17	1.23	0.90	0.46	0.17	0.03	0.00	0.00	0.00	4.85
Samtse	0.51	0.97	0.82	0.59	0.37	0.09	0.03	0.00	0.00	0.00	3.38
Sarpang	0.93	1.13	1.04	0.88	0.24	0.06	0.02	0.00	0.00	0.00	4.29
Thimphu	0.00	0.00	0.00	0.07	0.69	1.05	0.90	1.14	0.63	0.08	4.57
Trashigang	0.00	0.24	0.80	1.26	1.21	1.05	0.91	0.27	0.00	0.00	5.73
Trashi Yangtse	0.00	0.07	0.22	0.57	0.87	0.74	0.59	0.54	0.17	0.01	3.80
Trongsa	0.00	0.08	0.42	0.84	1.34	1.14	0.60	0.34	0.01	0.00	4.76
Tsirang	0.07	0.47	0.56	0.34	0.15	0.06	0.01	0.00	0.00	0.00	1.65
Wangdue Phodrang	0.00	0.26	0.81	1.36	1.76	2.07	1.35	1.19	1.32	0.12	10.25
Zhemgang	0.52	1.72	1.80	1.11	0.59	0.34	0.13	0.04	0.00	0.00	6.25
Bhutan	**4.08**	**9.70**	**12.94**	**13.92**	**14.78**	**14.29**	**11.23**	**10.16**	**7.64**	**1.27**	**100**

Source: Land Cover Mapping Project 2010, NSSC/PPD MoAF, Thimphu.

Table 5.4: Quantity of Chemical Fertilizers Distribution to Farmers, Bhutan, (2004-2011)

Kg/Ltr

Period	Insecti cides	Fungi cides	Rodenti cides	Herbi cides	Acari cides	Others (Non-toxic)	Total
2004	13.07	2.87	0.07	0.87	0.01	10.05	**26.94**
2005	2.55	2.52	0.04	0.81	0.00	0.18	**6.10**
2006	3.04	2.41	0.04	1.02	0.02	10.73	**17.26**
2007	4.13	4.10	0.04	1.85	0.01	10.04	**20.18**
2008	3.91	2.70	0.05	2.70	0.00	0.00	**9.36**
2009	3.87	0.00	0.05	2.70	0.00	0.00	**6.62**
2010	4.90	3.40	0.05	3.00	0.00	0.00	**11.35**
2011	7.30	5.70	0.08	7.56	0.00	0.00	**20.64**

Source: Bhutan RNR Statistics 2012, MoAF

Table 5.5: Agriculture Land Holdings & Land Types by Dzongkhag, Bhutan, 2010

(Hectares)

Dzongkhag	Wet land	Dry land	Orchard	Total area
Bumthang	24.7	2,883.8	11.5	**2,920.0**
Chhukha	1,799.2	5,119.2	2,322.7	**9,241.1**
Dagana	1,492.8	4,588.4	1,455.5	**7,536.7**
Gasa	143.6	386.3	0.0	**529.9**
Haa	88.5	2,067.8	624.6	**2,780.9**
Lhuentse	1,575.6	4,328.7	0.9	**5,905.2**
Monggar	431.7	5,304.4	3.2	**5,739.3**
Paro	1,753.0	3,561.6	1,025.6	**6,340.2**
Pema Gatshel	302.3	4,333.4	620.4	**5,256.1**
Punakha	5,074.3	262.0	16.7	**5,353.0**
Samdrup Jongkhar	1,147.7	6,732.4	249.2	**8,129.3**
Samtse	5,682.4	8,150.5	3,533.4	**17,366.3**
Sarpang	2,087.6	3,472.7	1,092.5	**6,652.8**
Thimphu	458.3	913.6	902.1	**2,274.0**
Trashigang	1,448.5	4,974.4	0.0	**6,422.9**
Trashi Yangtse	949.3	2,110.6	0.0	**3,059.9**
Trongsa	1,082.3	1,204.9	0.0	**2,287.2**
Tsirang	1,527.1	2,867.4	314.4	**4,708.9**
Wangdue Phodrang	4,202.3	1,742.0	0.1	**5,944.4**
Zhemgang	639.6	3,250.7	211.2	**4,101.5**
Bhutan	**31,910.8**	**68,254.8**	**12,384.0**	**112,549.6**

Source: Land Cover Mapping Project 2010, NSSC/PPD, MoAF, Thimphu.

Table 5.6: Cultivated Area, Production and Yield of Major Crops by Dzongkhag, Bhutan, 2012

Dzongkhag	Wheat			Barley			Paddy		
	Area (Acres)	Production (MT)	Yield (Kg/ Acre)	Area (Acres)	Production (MT)	Yield (Kg/ Acre)	Area (Acres)	Production (MT)	
Bumthang	382	366	960	315	205	650	91	119	
Chhukha	314	236	750	72	46	645	1,888	2,503	
Dagana	67	57	850	95	79	830	3,864	5,669	
Gasa	45	48	1,060	265	195	734	189	285	
Haa	938	1,004	1,070	78	62	792	147	223	
Lhuentse	67	43	645	...	...	...	3,827	5,066	
Monggar	133	104	783	940	611	650	2,025	2,671	
Paro	645	665	1,031	48	48	993	3,950	7,764	
Pema Gatshel	102	96	940	56	35	627	213	255	
Punakha	405	439	1,084	52	51	964	5,095	9,351	
Samdrup Jongkhar	39	29	736	298	221	742	2,468	3,677	
Samtse	254	198	780	66	44	668	7,179	9,844	
Sarpang	13	7	557	4	3	798	5,054	6,874	
Thimphu	151	165	1,091	16	11	703	1,078	1,833	
Trashigang	146	121	831	203	156	771	2,786	3,851	
Trashi Yangtse	18	15	830	2	2	920	2,007	2,484	
Trongsa	348	252	724	317	248	782	1,334	1,906	
Tsirang	92	58	634	34	33	975	3,533	5,191	
Wangdue Phodrang	1,057	939	888	350	268	766	4,208	6,641	
Zhemgang	323	196	606	63	39	620	1,317	1,809	
Bhutan	**5,539**	**5,038**	**910**	**3,274**	**2,357**	**720**	**52,253**	**78,016**	

Note: *Totals may not add up due to rounding.*
Source: Department of Agriculture, MoAF

	Maize			Buckwheat			Millet		
Yield	Area	Production	Yield	Area	Production	Yield	Area	Production	Yield
(Kg/Acre)	(Acres)	(MT)	(Kg/ Acre)	(Acres)	(MT)	(Kg/ Acre)	(Acres)	(MT)	(Kg/ Acre)
1,315	...	...	...	657	407	620	...	...	...
1,326	3,121	2,329	746	647	344	531	911	592	650
1,467	6,556	6,870	1,048	566	361	638	671	554	826
1,510	3	4	1,152	...	...	...	...	...	...
1,517	416	347	835	540	373	690	99	83	840
1,324	2,335	3,228	1,382	...	...	...	75	66	872
1,319	8,481	10,420	1,229	372	208	560	28	18	620
1,965	54	46	850	209	89	428	0	0	500
1,195	5,076	5,903	1,163	307	200	650	223	161	720
1,835	372	208	560	81	56	695	1	1	670
1,490	4,712	6,361	1,350	1,077	827	768	296	151	510
1,371	6,673	6,393	958	183	125	684	1,578	979	620
1,360	6,587	6,890	1,046	211	113	538	1,059	525	496
1,700	2	4	2,171	...	...	...	...	...	...
1,382	5,806	9,113	1,570	530	323	609	108	90	835
1,238	1,619	2,325	1,436	36	26	717	236	207	876
1,428	956	990	1,036	445	230	517	95	72	750
1,469	5,416	5,745	1,061	168	122	727	770	338	439
1,578	369	430	1,167	424	234	551	8	5	671
1,373	4,936	5,419	1,098	400	266	664	303	125	412
1,493	**63,490**	**73,025**	**1,150**	**6,853**	**4,304**	**628**	**6,462**	**3,965**	**614**

Table 5.7: Number of Livestock by Type and Dzongkhag, Bhutan,(2012-2014)

Dzongkhag	Local Cattle			Improved Cattle			Yak			Horses		
	2012	2013	2014	2012	2013	2014	2012	2013	2014	2012	2013	2014
Bumthang	6,185	5,817	4,826	6,185	5,207	5,264	3,232	2,974	3,661	1,311	1,213	1,236
Chhukha	20,391	17,969	18,982	3,437	3,694	4,033	0	0	0	663	592	608
Dagana	13,444	13,121	13,820	2,726	3,501	3,528	0	0	0	338	283	1,348
Gasa	555	393	440	311	412	441	6,313	5,787	5,763	1,755	1,515	1,862
Haa	7,179	6,999	6,207	2,671	2,704	2,783	5,226	5,857	4,683	1,176	1,937	1,144
Lhuentse	11,167	11,860	9,072	2,032	2,286	2,216	241	234	387	1,627	1,725	1,292
Monggar	18,753	18,392	18,806	6,396	6,949	8,070	0	0	0	2,154	1,706	1,702
Paro	7,078	8,811	8,221	4,894	4,248	5,598	1,535	2,632	2,690	1,129	1,293	1,039
Pema Gatshel	3,676	3,521	3,156	4,034	4,308	4,874	0	0	0	1,200	1,048	519
Punakha	9,221	8,168	9,011	2,452	2,876	2,809	0	0	0	547	486	470
Samdrup Jongkhar	12,945	13,113	12,966	4,121	5,191	4,970	25	28	18	815	1,307	1,115
Samtse	31,416	29,774	25,958	4,870	3,662	3,841	0	0	0	442	468	284
Sarpang	14,365	13,848	16,589	4,501	5,977	7,727	0	0	0	422	573	524
Thimphu	2,297	1,616	1,339	2,594	2,297	1,843	10,442	10,984	9,757	1,218	1,303	1,249
Trashigang	20,526	26,608	20,525	6,465	6,689	7,267	7,312	7,153	14,096	3,738	3,687	3,003
Trashi Yangtse	8,040	7,876	8,732	2,184	2,603	2,994	589	541	538	1,100	1,300	1,249
Trongsa	7,725	8,221	8,684	2,514	2,874	3,239	71	80	126	335	428	458
Tsirang	7,541	5,812	6,513	4,678	5,102	6,234	0	0	0	132	108	118
Wangdue Phodrang	18,014	22,037	18,731	3,500	3,518	3,619	3,026	3,273	3,274	1,143	872	808
Zhemgang	6,984	9,440	8,686	1,589	1,953	1,783	0	0	0	1,365	1,496	1,193
Bhutan	**227,502**	**233,396**	**221,264**	**72,154**	**76,051**	**83,133**	**38,012**	**39,543**	**44,993**	**22,610**	**23,340**	**21,221**

Source: Bhutan RNR Statistics 2015, MoAF.

Sheep			Goats			Pigs			Poultry		
2012	2013	2014	2012	2013	2014	2012	2013	2014	2012	2013	2014
286	268	290	2	36	4	0	0	36	1,367	995	2,059
920	556	684	6,153	6,279	6,395	1,521	1,774	1,634	44,571	35,650	33,675
440	374	436	6,152	5,821	16,832	1,820	1,775	1,732	25,391	19,897	17,960
4	2	0	0	0	4	na	na	0	1,073	786	626
98	1	0	185	42	41	434	311	122	7,013	6,065	6,394
101	101	94	82	76	56	209	216	86	11,066	13,666	12,075
13	23	2	87	88	67	2,535	1,021	731	48,704	28,248	31,048
9	12	2	128	118	125	550	510	339	25,756	24,669	16,972
1	1	0	26	21	41	365	625	428	12,985	12,449	12,821
8	15	18	100	115	223	591	378	354	8,650	6,710	8,055
44	23	36	1,607	1,579	1,259	620	523	404	13,772	15,645	21,430
3,726	3,583	3,596	13,959	14,492	11,685	2,845	2,133	1,919	42,931	59,091	48,229
562	562	637	3,792	3,905	4,366	1,535	1,585	2,168	148,356	151,691	170,015
10	9	7	34	41	23	211	412	525	21,369	28,648	28,847
2,145	2,078	2,454	170	189	149	1,406	660	542	21,207	24,211	22,727
17	17	2	108	108	90	556	448	368	11,414	8,652	7,616
290	328	369	32	8	41	53	33	30	8,375	5,463	6,701
286	161	201	5,836	5,839	6,922	1,056	970	1,146	79,719	88,999	74,396
1,823	1,797	1,552	500	430	444	1,983	1,106	916	6,307	7,511	19,366
0	6	398	66	77	97	900	892	706	9,707	12,139	9,703
10,783	**9,917**	**10,778**	**39,019**	**39,264**	**48,864**	**19,190**	**15,372**	**14,186**	**549,733**	**551,185**	**550,715**

Table 5.8: Diary & Livestock Production by Type and Dzongkhag, Bhutan, (2012-2014)

Dzong-khag	Milk			Butter			Cheese			Beef			Pork
	2012	2013	2014	2012	2013	2014	2012	2013	2014	2012	2013	2014	2012
Bumthang	1,798	1,542	1,669	69	58	58	414	460	312	62	21	37	0
Chhukha	2,229	1,580	2,002	97	55	64	144	98	115	12	15	10	29
Dagana	1,306	1,542	1,579	53	56	62	83	80	85	8	13	55	28
Gasa	300	385	391	18	18	20	18	25	32	0	0	2	0
Haa	1,173	1,363	1,895	38	41	63	49	47	96	39	7	34	7
Lhuentse	928	999	899	48	51	44	82	89	77	37	21	34	6
Monggar	2,502	2,632	2,677	130	130	171	319	228	295	54	77	87	20
Paro	1,989	2,072	1,829	76	65	48	141	110	86	32	26	19	23
Pema Gatshel	863	964	1,089	36	41	47	64	74	84	2	5	6	12
Punakha	1,379	1,157	1,050	45	56	48	75	97	82	24	17	17	13
Samdrup Jongkhar	1,444	1,732	1,931	36	44	66	45	79	114	13	19	31	6
Samtse	2,087	2,000	2,401	79	53	73	115	87	125	2	1	74	25
Sarpang	1,386	1,905	2,480	41	55	86	73	97	143	7	10	4	35
Thimphu	1,239	1,172	1,318	39	46	48	24	34	27	76	5	73	8
Trashigang	3,771	3,856	4,613	172	207	209	193	243	384	65	32	24	14
Trashi Yangtse	1,034	1,112	1,408	49	68	67	88	114	120	21	25	14	12
Trongsa	1,093	1,114	1,247	43	77	53	104	129	212	74	75	82	0
Tsirang	913	1,282	1,486	34	45	52	79	92	88	52	41	114	23
Wangdue Phodrang	1,590	1,661	1,977	74	117	94	133	129	164	36	5	25	18
Zhemgang	600	851	865	32	40	37	57	70	60	7	7	11	31
Bhutan	**29,625**	**30,920**	**34,807**	**1,207**	**1,322**	**1,409**	**2,300**	**2,382**	**2,702**	**623**	**421**	**639**	**310**

Source: Bhutan RNR Statistics 2015, MoAF.

		Mutton			Chicken			Fish			Eggs (000'nos)		
2013	2014	2012	2013	2014	2012	2013	2014	2012	2013	2014	2012	2013	2014
0	0	0	0	0	0	0	0	0	0	0	39	62	354
34	43	7	8	8	512	388	268	0	0	0	3,005	3,625	3,947
33	40	12	15	28	47	33	59	1	1	21	1,422	1,597	990
0	0	0	0	0	0	0	0	0	0	0	254	61	89
10	3	0	0	0	0	0	1	0	1	0	514	416	583
6	2	0	0	0	0	0	0	0	0	0	860	1,088	955
20	31	0	0	0	0	0	0	0	0	0	3,106	2,777	4,272
19	10	0	0	0	0	1	0	0	0	0	3,323	3,919	2,429
17	14	0	0	0	0	0	0	0	0	1	1,574	967	1,503
9	11	0	0	0	0	0	1	0	0	0	970	712	1,239
4	8	3	3	2	2	2	16	33	33	37	896	2,948	2,105
26	28	17	18	74	39	85	164	6	5	12	1,139	1,396	2,023
205	91	9	31	29	184	122	215	20	7	40	10,369	24,300	14,301
5	2	0	0	0	8	19	1	0	0	0	767	2,772	5,310
13	10	1	1	0	0	0	0	0	0	0	2,183	3,355	3,061
18	14	0	0	0	0	0	1	2	0	0	2,193	1,459	1,020
2	1	0	0	0	0	0	4	0	0	0	618	649	955
30	38	11	11	19	113	135	202	2	5	5	10,363	12,312	10,338
12	29	3	3	0	2	2	8	0	0	0	448	362	1,902
23	14	0	0	0	1	2	2	1	1	2	591	1,597	1,330
485	**388**	**63**	**90**	**161**	**909**	**789**	**944**	**64**	**55**	**119**	**44,636**	**66,374**	**58,706**

Table 5.9: Fruit Production and Yield, Bhutan, (2009-2013)

Fruits	Production (MT)					(Yield (Kgs/Bearing Tree)				
	2009	2010	2011	2012	2013	2009	2010	2011	2012	2013
Apple	6,931	17,366	20,752	7666	8032	20	30	37	31	...
Mandarin	44,295	52,624	60,993	49490	33470	28	34	35	45	...
Banana	2,155	2,208	2,439	1547	...	11	14	14		...
Mango	321	398	451	743	...	24	30	28	58	...
Guava	942	864	950	732	...	24	23	24	30	...
Peach	1,233	779	1,649	1614	...	37	33	39	51	...
Pear	1,109	758	1,354	2166	...	63	47	49	109	...
Plum	549	357	565	695	...	45	40	39	64	...
Walnut	244	213	474	414	...	16	22	24	31	...
Arecanut	6,373	7,280	9,781	7788	6250	11	10	12	12	...

Source: Bhutan RNR Statistics 2015, MoAF.

Table 5.10: Vegetables, Oilseeds, Spices and Pulses Production, Bhutan, (2009-2013)

(Metric Tones)

Details	2009	2010	2011	2012	2013
Potato	45,476	44,014	52,116	43,000	50,390
Chili	9,144	6,696	8,121	7,726	7,852
Tomato	753	221	559	337	...
Cabbage	1,782	1,299	2,130	3,413	...
Cauliflower	355	328	2,130	829	...
Broccoli	175	122	304	363	...
Asparagus	328	74	280	149	...
Carrot	329	205	458	585	...
Pumpkin	5,319	3,670	5,368	4,796	...
Radish	5,617	3,882	4,865	5,245	...
Turnip	6,238	2,638	7,823	7,994	...
Beans	3,048	2,400	2,690	2,479	...
Rajma Beans	473	471	873	...	...
Peas	695	355	770	779	...
Other Vegetables	8,282	7,168	5,558	...	...
Cardamom	442	1,163	650	643	1,162
Garlic	629	485	584	644	...
Ginger	3,766	4,074	4,533	5,014	3,756
Onion	388	243	285	264	...
Mustard	1,951	1,332	2,344	790	955
Soybean	372	401	826	294	...

Source: Bhutan RNR Statistics 2015, MoAF.

Table 5.11: Volume and Value of Exports by Major Commodities, Bhutan, (2010-2014)

Commodity	Volume (Tones)					Value (Millions)				
	2010	2011	2012	2013	2014	2010	2011	2012	2013	2014
Rice	376.0	116.2	60.0	118.0	7.0	15.2	9.0	6.2	13.1	0.9
Wheat / Barley [1]	...	1857.1	5745.0	6823.0	5,728.0	...	118.2	229.6	124.8	112.0
Other Cereals	7.0	46.9	1039.0	18.0	1.0	0.1	0.7	26.0	0.2	0.2
Apples	7,060.6	5,764.1	3,410.0	4,314.0	5,728.0	116.9	102.9	49.2	98.7	139.1
Oranges	22,484.1	18,928.3	24,432.0	24,975.0	21,148.0	332.3	327.8	452.6	519.1	542.6
Other Fruits	144.6	115.4	9.0	0.0	4.0	5.8	4.2	5.5	0.0	0.1
Betel Nuts	1287.6	654.6	1,145.0	932.0	1830.0	23.5	21.7	32.4	25.6	70.5
Potatoes	18,747.5	24,454.0	20,348.0	21,871.0	26,849.0	197.5	250.3	326.5	360.1	688.8
Chilies	7.9	14.3	...	...	...	0.2	0.4	...	...	...
Vegetables	1,962.7	2,157.9	...	...	...	34.0	30.0	...	...	...
Pulses	4.2	1.4	...	...	...	6.4	3.1	...	...	...
Mushrooms	4.2	1.4	...	...	...	6.4	3.1	...	...	...
Cardamom	476.2	427.0	...	...	...	222.2	384.3	...	...	...
Cordyceps	0.3	0.3	0.0	1.0	1.0	45.3	86.5			
Lemon Grass Oil	0.0	1857.1	...	...	...	15.2	9.0	...	...	...

Note: [1] *After 2012, Wheat/Barley includes only wheat flour*

Source: Bhutan RNR Statistics 2015, MoAF

Table 5.12: Volume and Value of Imports by Major Commodities, Bhutan, (2010-2014)

Commodity	Volume (Tones)					Value (Millions)				
	2010	2011	2012	2013	2014	2010	2011	2012	2013	2014
Rice	52010	54056	68235	69885	79306	848	854	1202	1540	1788
Wheat/Barley	8513	16047	13910	22188	23264	103	188	135	379	416
Other Cereals	4272	4855	566	502	437	85	72	21	8	6
Apples	51	24	...	...	...	2	1	...	...	...
Oranges	31	50	...	...	...	1	2	...	...	...
Other Fruits	1707	1699	...	...	...	21	23	...	...	...
Betel Nuts	296	132	...	...	...	19	9	...	...	...
Potatoes	183	5208	5208	5283	5273	24	40	61	57	81
Chilies	1317	324	...	...	...	24	26	...	...	...
Vegetables	8182	6739	8027	8259	12646	65	80	127	239	411
Pulses	1585	3530	...	...	...	21	27	...	...	...
Mushrooms	11	4	...	...	...	1	...	...	...	...
Oils & Fats	6478	9772	...	...	...	374	561	...	...	...
Eggs (000' Doz)	476	172	...	...	...	22	7	...	...	...
Milk	3048	3191	...	...	...	359	391	...	...	...
Butter	651	0	...	...	...	50	0	...	...	...
Cheese	944	877	...	...	...	171	219	...	...	...
Sugar	7095	8262	10154	10022	9732	169	210	360	322	330
Pork	1423	1385	1890	2314	2165	153	155	225	313	313
Beef	2964	2658	3906	4429	3740	242	252	427	548	501
Chicken	384	567	1	1006	1302	36	54	0.08	116.39	165.83
Fish	1874	2079	2539	2872	3101	135	160	126	284	394
Mutton	24	22	114436	126760	140966	5	5	11	16	8

Source: Bhutan RNR Statistics 2015, MoAF

Table 5.13: Annual Average Price of Agricultural Commodities by Type, Bhutan, (2010-2014)

Commodities	Nu./Kg				
	2010	2011	2012	2013	2014
Wheat	17	19	20	21	22
Rice (Local)	41	52	55	58	60
Potatoes	18	20	20	24	25
Tomatoes	40	45	42	50	50
Onions	37	35	48	44	50
Garlic	73	77	81	82	81
Carrots	32	37	40	47	50
Cauliflower	36	43	41	39	37
Cabbages	24	23	24	25	26
Peas (Green)	37	28	34	40	46
Beans (Green)	40	41	41	41	41
Asparagus	40	47	48	49	50
Eggplants	33	37	34	31	28
Mushrooms	53	56	60	64	68
Chilies	57	62	70	78	86
Spinach	17	31	35	...	...
Bananas	32	55	39	...	...
Pineapples	29	33	41	49	57
Mangoes	69	46	53	60	67
Oranges	46	39	45	51	57
Apples	55	81	87	57	60
Pears	35	37	35	33	31
Peaches	47	47	50	...	...
Plums	24	38	30	...	...
Ginger	80	91	92	93	94
Beef	108	118	120	122	124
Pork	128	130	137	144	151
Mutton	158	172	180	188	196
Chicken	123	127	136	145	154
Eggs (Per Doz)	138	117	145	150	156
Price Index	55	59	63	...	....

Source: Bhutan RNR Statistics 2015, MoAF

Table 5.14: Imports and Sales of Food Items by Food Corporation of Bhutan, (2010-2014)

(Metric tones)

Commodity	2010	2011	2012	2013	2014
Imports					
Rice	5,812.0	5,708.7	7,565.0	7,435.2	7,216.78
Wheat	79.4	65.0	159.9	55.0	...
Sugar	3,948.9	4,155.9	4,033.8	2,634.0	696.31
Salt	508.4	532.6	462.2	732.8	703.19
Edible Oil	939.6	913.3	1,841.9	1,573.2	1,448.64
Pulses	569.6	4,445.7	520.5	511.1	256.52
Maida	193.1	220.2	276.3	373.3	472.50
Atta	111.4	143.4	372.3	299.3	217.56
Sales					
Rice	6,570.7	10,117.7	6,973.8	7,798.2	7,549.00
Wheat	83.5	159.4	153.2	69.4	3.00
Sugar	4,074.0	6,089.0	4,049.9	2,002.4	969.58
Salt	504.1	808.8	643.4	722.1	689.12
Edible Oil	896.1	1,759.7	245.1	1,458.0	1,554.34
Pulses	472.5	848.2	511.6	433.0	350.17
Maida	220.9	339.9	268.9	383.5	472.79
Atta	169.6	269.9	352.6	281.1	227.68

Source: Food Corporation of Bhutan, Phuentsholing.

Table 5.15: Quantity of Agricultural Produce Handled by Food Corporation of Bhutan, (2010-2014)

(Metric tones)

Commodity	2010	2011	2012	2013	2014
Potatoes	24,439.4	23,117.1	22,906.9	26,028.2	26,345.58
Vegetables	1,672.0	1,736.2	2,097.0	2,930.9	2,923.39
Apples	83.8	43.5	58.7	51.7	24.87
Oranges	1,923.8	1,433.6	1,141.6	3,176.1	2,112.97
Cardamom	0.0	0.0	0.0	0.1	0.00
Ginger	484.3	697.0	692.6	412.5	297.25
Garlic	0.1	3.2	0.0	0.1	0.15
Arecanut	661.9	456.3	356.3	213.3	232.33
Supari(dried doma)	0.0	0.0	0.0	0.0	0.00
Dry chili	0.1	0.0	0.0	0.0	0.00
Kidney bean(rajma)	63.5	41.7	11.4	9.6	10.22
Soya bean	24.6	13.1	1.6	14.4	7.20
Pulses	0.4	0.2	12.9	0.0	17.42
Mustard	0.0	0.0	0.0	0.0	0.00
Pipla (wild)	0.0	0.0	0.0	0.0	0.00
Lechi	0.0	0.0	0.0	0.0	0.00
Lemon	0.3	0.3	0.2	1.1	0.65
Apricot	0.0	0.0	0.0	0.0	0.02
Peach	0.5	0.4	0.5	0.2	1.40
Plum	1.4	0.4	1.0	5.1	1.80
Pear	0.4	0.0	0.0	0.1	0.97
Dry bean	0.0	0.0	0.0	0.0	0.00

Source: Food Corporation of Bhutan, Phuentsholing.

The conservation of environment is one of the four pillars of Bhutan's development philosophy of Gross National Happiness (GNH). Accordingly the Royal Government of Bhutan (RGoB) has been putting constant effort in protecting the environment and the priority has been in the sustainable use of natural resources in all its policies, plans and programs.

This chapter presents statistics which are related to environment. The statistics presented here are not so comprehensive particularly from the point that some of the statistics are already presented under other chapters. However, the statistics collected and presented in this chapter are organized based on the broad Framework for Development of Environmental Statistics (FDES) provided by the United Nations Statistics Division. The six components of FDES, namely, environmental conditions & quality, environmental resources & their use, emissions, residuals & waste, extreme events & disasters, human habitat & environmental health, environmental protection, management & engagement have been used to gather statistics from different sources.

The chapter on Environment Statistics gives a general statistics on atmosphere, climate & weather, hydrographic characteristics, geological & geographic information, land cover, biodiversity and forest. It also gives statistics on extraction & trade of mineral, production & use of energy, land use, timber resources & their use, crops, livestock, water resources, emissions of greenhouse gases, occurrence & impact of natural extreme events & disasters, urban & rural population, water & sanitation, other urban habitat concerns and government environmental protection & resource management expenditures.

Table 6.1: Area of Land-Use and Vegetation by Types, Bhutan, 2010

Land Category/Types of Vegetation and Landuse	Land Type	Total Area (Sq. km)	Area (Percent)
Forest Areas	Forest (Total)	27,052.91	70.46
	Blue Pine Forest	783.47	2.04
	Broadleaf Forest	16,850.24	62.29
	Broadleaf with Conifer Forest	348.38	0.91
	Chir Pine Forest	1,137.22	2.96
	Fir Forest	1,804.40	4.70
	Mixed Conifer Forest	6,129.19	15.96
Agriculture Areas	Agricultural (Total)	1,125.50	2.93
	Wetland	319.11	0.83
	Dryland	682.55	1.78
	Citrus Orchard	54.88	0.14
	Apple Orchard	20.81	0.05
	Arecanut Plantation	11.99	0.03
	Cardamom Plantation	36.00	0.09
	Other Horticulture	0.16	0.00
Bare Areas	Bare Areas (Total)	1,229.53	3.20
	Bare Soils	0.27	0.00
	Rock Outcrops	996.58	2.60
	Scree	232.68	0.61
Degraded Areas	Degraded Areas (Total)	206.45	0.54
	Gullies	0.07	0.00
	Landslides	86.46	0.23
	Moraine Deposits	119.93	0.31
Marshy Areas	Marshy Areas	3.20	0.01
Meadows (Pasture)	Meadows	1,575.46	4.10
Shrubs	Shrubs	4,005.25	10.43
Snow Cover	Snow Cover	2,854.35	7.43
Water Bodies	Water Bodies (Total)	276.55	0.72
	Lakes	45.99	0.12
	Reservoirs	2.91	0.01
	Rivers	227.65	0.59
Built up Areas (Settlements)	Built up Areas	61.56	0.16
Non-Built up Areas (waste dump sites, mines, stone quarries and other extraction sites)	Non-Built up Areas	3.30	0.01
Total		**38,394**	**100**

Source: Land Cover Mapping Project 2010, NSSC/PPD, MoAF, Thimphu.

Table 6.2: Area Proportion as Percentage of Total Dzongkhag Area by Type of Land Cover, Bhutan, 2010

Dzongkhag	Forest Areas	Agriculture Areas	Meadows	Shrubs	Water Bodies	Snow Cover	Others	Total
Bumthang	52.06	1.09	10.62	12.67	0.65	12.11	10.80	**100**
Chhukha	85.77	4.92	1.88	4.65	1.01	0.73	1.06	**100**
Dagana	87.06	4.38	0.43	4.81	1.00	1.46	0.87	**100**
Gasa	26.25	0.17	8.02	20.15	0.60	25.90	18.91	**100**
Haa	65.35	1.49	8.34	18.45	0.33	4.72	1.32	**100**
Lhuentse	61.48	2.10	2.69	11.96	0.43	12.72	8.61	**100**
Monggar	91.59	2.95	0.32	4.07	0.44	0.00	0.63	**100**
Paro	60.91	5.07	5.57	22.41	0.40	4.03	1.62	**100**
Pema Gatshel	87.65	5.14	0.06	4.52	1.22	0.00	1.41	**100**
Punakha	75.87	4.82	1.53	9.96	0.52	7.16	0.14	**100**
Samdrup Jongkhar	86.95	4.33	0.22	5.90	1.38	0.00	1.23	**100**
Samtse	78.03	13.31	0.76	3.94	2.67	0.22	1.07	**100**
Sarpang	88.00	3.99	0.03	5.02	2.30	0.00	0.65	**100**
Thimphu	42.86	1.30	10.36	21.39	0.29	15.10	8.70	**100**
Trashigang	81.65	2.91	3.35	9.92	0.35	1.32	0.51	**100**
Trashi Yangtse	70.90	2.11	1.43	13.52	0.50	11.36	0.18	**100**
Trongsa	87.16	1.26	2.87	6.21	0.16	1.78	0.56	**100**
Tsirang	87.34	7.37	0.18	3.29	0.93	0.00	0.88	**100**
Wangdue Phodrang	65.29	1.52	7.16	9.39	0.16	15.91	0.57	**100**
Zhemgang	87.71	1.70	2.25	5.97	0.86	0.17	1.35	**100**
Bhutan	**70.46**	**2.93**	**4.10**	**10.43**	**0.72**	**7.43**	**3.92**	**100**

Source: Land Cover Mapping Project 2010, NSSC/PPD, MoAF, Thimphu.

Table 6.3: Area Proportion as Percentage of Total Country Area by Type of Land Cover, Bhutan, 2010

Dzongkhag	Forest Areas	Agri-culture Areas	Meadows	Shrubs	Water Bodies	Snow Cover	Others	Total
Bumthang	3.62	0.08	0.74	0.88	0.05	0.84	0.75	**6.95**
Chhukha	4.20	0.24	0.09	0.23	0.05	0.04	0.05	**4.90**
Dagana	3.91	0.20	0.02	0.22	0.04	0.07	0.04	**4.49**
Gasa	2.10	0.01	0.64	1.61	0.05	2.07	1.51	**8.01**
Haa	3.17	0.07	0.41	0.90	0.02	0.23	0.06	**4.86**
Lhuentse	4.50	0.15	0.20	0.88	0.03	0.93	0.63	**7.32**
Monggar	4.64	0.15	0.02	0.21	0.02	0.00	0.03	**5.07**
Paro	1.98	0.17	0.18	0.73	0.01	0.13	0.05	**3.26**
Pema Gatshel	2.33	0.14	0.00	0.12	0.03	0.00	0.04	**2.66**
Punakha	2.19	0.14	0.04	0.29	0.01	0.21	0.00	**2.89**
Samdrup Jongkhar	4.25	0.21	0.01	0.29	0.07	0.00	0.06	**4.89**
Samtse	2.65	0.45	0.03	0.13	0.09	0.01	0.04	**3.40**
Sarpang	3.82	0.17	0.00	0.22	0.10	0.00	0.03	**4.34**
Thimphu	1.95	0.06	0.47	0.97	0.01	0.69	0.40	**4.55**
Trashigang	4.69	0.17	0.19	0.57	0.02	0.08	0.03	**5.74**
Trashi Yang-tse	2.68	0.08	0.05	0.51	0.02	0.43	0.01	**3.77**
Trongsa	4.14	0.06	0.14	0.29	0.01	0.08	0.03	**4.75**
Tsirang	1.45	0.12	0.00	0.05	0.02	0.00	0.01	**1.66**
Wangdue Phodrang	6.67	0.15	0.73	0.96	0.02	1.62	0.06	**10.21**
Zhemgang	5.52	0.11	0.14	0.38	0.05	0.01	0.08	**6.29**
Bhutan	70.46	2.93	4.10	10.43	0.72	7.43	3.92	**100**

Source: Land Cover Mapping Project 2010, NSSC/PPD, MoAF, Thimphu.

Table 6.4: Forest Area Under Tree Cover by Dzongkhags, Bhutan, 2010

Dzongkhag	Total area (Sq.km)	Area under tree cover (Sq.km)						Total	
		Blue Pine Forest	Broadleaf Forest	Broadleaf with Conifer Forest	Chir Pine Forest	Fir Forest	Mixed Conifer Forest	Tree Cover Area	Percent
Bumthang	2,668	268	17	6	...	409	688	1,389	52.06
Chhukha	1,879	32	1,382	10	...	2	186	1,612	85.77
Dagana	1,723	...	1,343	...	14	...	143	1,500	87.06
Gasa	3,075	...	111	...	...	406	290	807	26.25
Haa	1,865	56	628	...	...	174	361	1,219	65.35
Lhuentse	2,809	2	847	106	110	367	295	1,727	61.48
Monggar	1,945	4	1,136	6	311	71	254	1,781	91.59
Paro	1,251	221	7	1	...	127	405	762	60.91
Pema Gatshel	1,023	...	799	16	80	...	1	896	87.65
Punakha	1,110	...	574	2	81	6	179	842	75.87
Samdrup Jongkhar	1,878	5	1,598	17	7	1	5	1,633	86.95
Samtse	1,305	...	995	8	...	...	16	1,018	78.03
Sarpang	1,666	...	1,432	0	...	1	33	1,466	88.00
Thimphu	1,749	171	36	17	...	107	418	749	42.86
Trashigang	2,204	...	951	1	228	...	619	1,800	81.65
Trashi Yangtse	1,449	4	557	...	30	...	436	1,027	70.90
Trongsa	1,822	4	869	93	33	36	553	1,588	87.16
Tsirang	639	...	488	...	27	...	43	558	87.34
Wangdue Phodrang	3,920	17	1,243	...	171	30	1,098	2,560	65.29
Zhemgang	2,416	...	1,836	65	44	66	108	2,119	87.71
Bhutan	**38,394**	**783**	**16,850**	**348**	**1,137**	**1,804**	**6,129**	**27,053**	**70.46**

Source: Bhutan RNR Statistics 2012, MoAF

Table 6.5: Monthly Maximum and Minimum Average Temperature by Dzongkhag, Bhutan, 2014

Dzongkhag	Temperature	Month												Average
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Bumthang	max	13.10	13.10	16.90	18.00	19.90	22.70	23.50	22.90	22.90	20.20	15.90	13.60	18.558
	min	(4.60)	(2.40)	2.20	5.60	10.50	14.00	14.80	14.60	12.50	5.70	4.30	(1.50)	6.308
	Ave	4.25	5.35	9.55	11.80	15.20	18.35	19.15	18.75	17.70	12.95	10.10	6.05	12.433
Chhukha	max	17.40	17.70	20.40	23.40	23.90	25.20	25.50	24.60	24.20	24.30	21.60	17.40	22.133
	min	9.90	10.60	13.80	17.00	19.70	21.80	22.40	21.10	20.10	19.30	13.70	9.20	16.55
	Ave	13.65	14.15	17.10	20.20	21.80	23.50	23.95	22.85	22.15	21.80	17.65	13.30	19.342
Dagana	max	13.10	13.00	16.60	20.50	20.80	23.50	23.00	21.60	21.40	19.80	16.60	14.30	18.683
	min	1.80	2.60	5.50	8.80	11.80	17.20	15.00	14.50	13.10	9.10	6.20	3.50	9.092
	Ave	7.45	7.80	11.05	14.65	16.30	20.35	19.00	18.05	17.25	14.45	11.40	8.90	13.888
Gasa	max	15.50	11.20	13.40	15.20	17.00	20.30	20.10	19.10	18.60	17.00	10.00	9.80	15.6
	min	(3.70)	(1.20)	0.80	2.70	8.20	11.50	11.90	11.90	10.40	8.40	0.30	(1.40)	4.983
	Ave	5.90	5.00	7.10	8.95	12.60	15.90	16.00	15.50	14.50	12.70	5.15	4.20	10.292
Haa Namjayling	max	12.60	12.00	13.80	16.00	18.60	21.10	21.70	20.30	19.10	17.10	14.60	12.40	16.608
	min	(7.60)	(4.90)	(1.30)	1.50	7.50	11.50	13.40	12.80	9.90	2.60	0.50	(4.10)	3.483
	Ave	2.50	3.55	6.25	8.75	13.05	16.30	17.55	16.55	14.50	9.85	7.55	4.15	10.046
Khoma, huentse	max	...	...	...	28.40	30.10	32.40	34.00	31.50	31.00	29.20	24.60	23.00	29.356
	min	...	...	...	12.80	16.60	19.50	20.10	19.90	18.30	13.10	12.20	7.50	15.556
	Ave	...	...	...	20.60	23.35	25.95	27.05	25.70	24.65	21.15	18.40	15.25	22.456
Monggar	max	17.80	19.70	23.00	25.80	26.20	27.30	29.80	27.50	26.40	26.20	21.10	18.20	24.083
	min	5.80	6.80	9.60	12.10	15.50	17.70	18.40	18.00	16.40	12.70	10.10	7.50	12.55
	Ave	11.80	13.25	16.30	18.95	20.85	22.50	24.10	22.75	21.40	19.45	15.60	12.85	18.317
Punakha	max	21.60	23.90	27.20	31.10	31.50	33.30	33.90	32.90	32.40	30.30	26.40	24.20	29.058
	min	6.70	7.20	10.70	15.10	18.80	21.40	22.30	21.60	21.20	14.00	10.90	8.10	14.833
		14.15	15.55	18.95	23.10	25.15	27.35	28.10	27.25	26.80	22.15	18.65	16.15	21.946

cont...

Table 6.5 cont...

Dzongkhag	Temperature	Month												Average
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Paro	max	14.60	14.60	17.50	20.30	22.20	24.20	24.40	23.50	21.70	20.10	17.00	15.00	19.592
	min	(4.40)	(2.40)	1.90	4.60	10.00	13.60	14.60	14.00	12.70	6.60	17.00	(0.90)	7.275
	Ave	5.10	6.10	9.70	12.45	16.10	18.90	19.50	18.75	17.20	13.35	17.00	7.05	13.433
Pema Gatshel	max	15.60	15.90	18.10	21.90	22.30	23.70	24.80	23.90	24.30	23.10	19.60	17.40	20.883
	min	4.00	4.40	7.90	11.20	14.90	17.20	18.10	17.70	16.40	13.20	8.00	6.10	11.592
	Ave	9.80	10.15	13.00	16.55	18.60	20.45	21.45	20.80	20.35	18.15	13.80	11.75	16.238
Samdrup Jongkhar	max	20.40	20.60	23.50	27.80	26.10	26.60	28.10	26.90	26.00	26.30	23.60	20.90	24.733
	min	10.90	11.60	15.30	18.70	19.60	21.50	22.50	21.10	19.90	17.90	14.70	12.20	17.158
	Ave	15.65	16.10	19.40	23.25	22.85	24.05	25.30	24.00	22.95	22.10	19.15	16.55	20.946
Sipsu, Samtse	max	21.40	24.40	27.30	31.50	29.90	30.60	31.20	30.20	30.70	30.20	27.70	24.90	28.333
	min	11.00	13.50	15.80	20.20	20.20	21.80	23.00	22.70	22.70	20.50	17.60	14.40	18.617
	Ave	16.20	18.95	21.55	25.85	25.05	26.20	27.10	26.45	26.70	25.35	22.65	19.65	23.475
Bhur, Sarpang	max	24.30	23.90	26.80	31.60	29.30	29.90	31.70	29.90	28.80	29.70	26.50	24.50	28.075
	min	13.30	13.70	16.00	21.50	19.70	21.50	23.40	23.00	24.30	21.60	19.10	14.90	19.333
	Ave	18.80	18.80	21.40	26.55	24.50	25.70	27.55	26.45	26.55	25.65	22.80	19.70	23.704
Simtokha, Thimphu	max	17.10	17.10	20.10	23.20	24.40	26.90	27.20	26.40	26.20	23.30	19.80	17.10	22.4
	min	(3.90)	(2.30)	3.30	5.90	11.40	14.80	15.70	15.90	13.90	6.90	4.00	(0.60)	7.083
	Ave	6.60	7.40	11.70	14.55	17.90	20.85	21.45	21.15	20.05	15.10	11.90	8.25	14.742
Kanglung, Trashigang	max	18.30	19.60	22.80	26.50	27.10	28.70	29.70	28.10	28.00	26.80	22.20	20.00	24.817
	min	3.50	4.10	7.20	10.10	12.90	15.50	16.00	15.50	14.10	10.30	7.50	5.30	10.167
	Ave	10.90	11.85	15.00	18.30	20.00	22.10	22.85	21.80	21.05	18.55	14.85	12.65	17.492
Trashi Yangtse	max	15.90	17.20	20.50	22.90	22.70	25.70	27.80	25.80	25.00	22.90	19.40	16.90	21.892
	min	0.90	2.60	5.60	7.60	12.60	16.00	17.20	16.40	14.60	8.30	7.10	3.40	9.358
	Ave	8.40	9.90	13.05	15.25	17.65	20.85	22.50	21.10	19.80	15.60	13.25	10.15	15.625

cont...

Table 6.5 cont...

Dzongkhag	Temperature	Month												Average
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Trongsa	max	14.30	13.50	17.40	19.70	20.50	22.10	23.60	22.00	22.20	20.90	16.90	15.50	19.05
	min	1.80	3.30	6.10	7.90	12.50	15.50	16.30	16.00	14.10	8.50	7.20	3.30	9.375
	Ave	8.05	8.40	11.75	13.80	16.50	18.80	19.95	19.00	18.15	14.70	12.05	9.40	14.213
Tsirang	max	14.40	14.80	18.10	21.90	22.50	23.10	23.70	23.30	22.80	21.90	18.70	15.60	20.067
	min	5.20	5.90	9.70	13.30	17.00	19.60	20.30	19.80	17.80	13.40	10.30	6.90	13.267
	Ave	9.80	10.35	13.90	17.60	19.75	21.35	22.00	21.55	20.30	17.65	14.50	11.25	16.667
Wangdue Phodrang	max	21.40	21.50	25.30	28.20	29.80	31.00	32.50	30.70	29.90	29.00	25.70	23.80	27.4
	min	4.90	6.50	10.30	12.80	17.80	20.90	21.10	20.80	19.50	13.00	11.00	6.60	13.767
	Ave	13.15	14.00	17.80	20.50	23.80	25.95	26.80	25.75	24.70	21.00	18.35	15.20	20.583
Zhemgang	max	14.40	14.90	17.80	21.10	22.00	24.30	25.10	24.00	23.50	21.80	17.70	15.60	20.183
	min	4.00	4.90	8.00	10.90	14.10	16.70	17.50	17.20	15.50	11.50	8.60	6.00	11.242
	Ave	9.20	9.90	12.90	16.00	18.05	20.50	21.30	20.60	19.50	16.65	13.15	10.80	15.713

Source : Metrology Section, Department of Energy, MoEA,Thimphu.

Table 6.6: Total Monthly Rainfall at Existing Stations in each Dzongkhag, Bhutan, 2014

(Millimeter)

Dzongkhag	Station	Month												Annual total rainfall
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Bumthang	Chamkher	0.0	2.2	22.2	54.8	103.9	114.3	136.7	145.9	80.9	10.8	4.7	1.0	677.4
	Gyetsa	0.0	0.0	15.0	80.0	104.2	140.1	157.9	182.3	115.8	7.5	0.0	0.4	803.2
Chhukha	Chhukha	3.4	27.2	15.0	51.6	228.2	267.2	170.4	485.0	187.3	5.4	0.6	0.0	1441.3
	Gedu	2.4	50.4	130.8	91.0	530.3	483.6	174.4	764.0	565.0	49.4	25.4	0.0	2866.7
Dagana	Dagana Dzong	0.0	14.6	11.4	10.8	171.3	328.6	117.5	355.0	205.5	11.6	0.2	1.4	1227.9
	Drujeygang	2.3	14.0	24.5	4.0	164.0	281.0	145.0	386.7	510.6	5.0	0.0	0.0	1537.1
	Sunkosh	11.0	13.5	...	115.7	274.3	274.3	131.2	356.5	357.8	3.3	0.0	0.0	1537.6
	Tashithang	0.0	0.0	35.4	6.6	...	289.5	309.1	347.7	...	...	0.0	0.0	988.3
Haa	Haa Namjeyling	0.0	0.0	24.5	29.7	133.5	101.6	194.4	195.6	127.3	19.9	0.0	19.0	845.5
	Autsho	...	9.0	21.2	8.2	91.8	155.0	117.6	132.6	194.0	7.8	8.4	0.6	746.2
	Dungkhar	...	18.7	41.2	103.9	160.3	...	100.7	...	...	20.6	12.3	0.0	457.7
Monggar	Monggar (A)	1.0	7.0	11.6	111.8	95.6	182.4	68.4	211.6	213.6	4.6	0.0	0.0	907.6
	Yadi	3.0	10.0	16.0	84.0	...	167.0	75.0	140.8	172.0	2.0	0.0	0.0	669.8
Paro	Paro	0.0	3.4	23.2	15.2	113.0	82.0	73.7	128.8	88.7	20.4	0.0	13.4	561.8
	Drukgyel Dzong	...	0.0	24.0	21.0	136.0	85.0	271.0	200.0	172.0	19.0	0.0	0.0	928.0
Pema Gatshel	Pemagatshel	0.2	24.8	67.2	15.6	200.8	328.6	143.4	328.3	322.3	4.2	2.0	0.4	1437.8
	Yurung	0.0	30.7	75.1	11.5	264.0	302.7	159.6	373.8	325.8	2.2	2.0	0.0	1547.4
	Dechenling	0.0	14.0	111.0	34.0	605.0	701.0	139.5	651.0	489.0	0.0	0.0	0.0	2744.5
Punakha	Punakha Dzong	0.0	...	24.7	1.2	83.7	149.7	115.3	191.1	113.7	6.9	0.0	3.2	689.5
	Deothang	0.0	42.0	56.8	53.2	675.8	858.1	583.7	714.1	386.1	3.8	0.8	0.2	3374.6
Samtse	Tendu	0.0	12.6	14.8	39.2	198.9	490.6	463.2	738.8	222.6	35.2	7.4	0.6	2223.9
	Samtse (NIE)	0.0	29.0	17.1	101.0	281.0	933.0	1122.6	677.0	1111.4	185.0	73.0	...	4530.1
	Sipsu	4.4	0.0	57.5	24.2	618.2	1148.8	445.2	1182.4	566.2	19.2	47.2	0.6	4113.9
	Simtokha	2.6	0.0	20.4	9.7	90.9	151.2	168.2	101.7	120.8	0.0	0.0	6.8	672.3

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Table 6.6 cont...

Dzongkhag	Station	Month												Annual total rainfall
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Sarpang	Surey	3.4	3.0	112.4	6.4	707.4	643.0	608.6	955.8	730.2	113.4	8.8	0.0	3892.4
	Bhur	2.6	51.2	34.4	53.6	385.1	675.0	841.2	1122.1	728.6	12.4	0.0	4.0	3910.2
	Sarpang	0.0	0.0	0.0	0.0	125.0	360.1	477.4	665.2	629.0	0.0	15.0	0.0	2271.7
Trashigang	Chazam	0.0	7.6		11.5	101.8	143.6	...	...	154.2	0.0	1.1	0.3	420.1
	Kanglung	8.0	12.8	38.4	18.2	146.6	183.8	111.0	216.1	199.9	1.6	4.0	4.4	944.8
	Thrimshing	0.0	19.2	30.2	19.8	77.8	109.4	104.8	200.0	191.0	2.2	0.0	1.1	755.5
Trashi Yangtse	Tashi Yangtse	1.2	10.2	48.4	83.6	114.6	133.6	190.4	155.4	197.5	11.9	11.3	1.1	959.2
	Yalang	...	...	...	...	149.7	126.6	118.0	196.0	128.8	0.0	2.6	...	721.7
Trongsa	Bjizam	2.4	4.7	47.2	44.3	175.9	145.6	232.5	173.2	...	1.0	5.8	7.2	839.8
	Langthel	0.0	10.0	...	3.0	30.0	...	141.0	155.0	188.0	0.0	...	0.0	527.0
	Trongsa	3.0	3.3	41.4	102.3	159.3	245.3	217.9	310.4	131.9	17.8	7.7	6.6	1246.9
Tsirang	Tsirang	2.8	16.5	28.0	7.2	160.6	328.0	148.2	466.6	368.4	3.2	0.0	0.0	1529.5
Wangdue Phodrang	Wangdue (RNRRC)	0.0	0.5	36.9	14.7	57.6	71.2	72.9	168.5	74.9	9.5	3.8	2.7	513.2
	Samtengang	...	0.0	0.0	10.0	174.0	228.0	201.3	218.5	284.0	0.0	0.0	...	1115.8
Zhemgang	Zhemgang	3.3	0.0	54.4	56.0	191.5	220.8	228.9	391.5	249.7	6.1	8.3	0.4	1410.9

Source : Metrology Division, Department of Hydromet Services, MoEA,Thimphu.

Table 6.7: Details of Protected Areas in Bhutan, by Year of Establishment and Area, Bhutan, 2014

Name of Area	Establishment year	Area (Sq.km)
Existing Protected Areas		
Wangchuck Centenial Park	...	4,914
Torsa Strict Nature Reserve	...	610
Jigme Dorji National Park	1995	4,316
Jigme Singye Wangchuck National Park	1995	1,730
Thrumshingla National Park	2000	905
Royal Manas National Park	1966	1,057
Sakteng Wildlife Sanctuary	2003	741
Bomdeling Wildlife Sanctuary	1998	1,521
Phibsoo Wildlife Sanctuary	...	269
Khaling Wildlife Sanctuary	...	335
Biological Corridors	...	3,307
Royal Botanical Park	2004	47
Total		**19,751**

Source: Policy and Planning Division, MoAF, Thimphu.

Table 6.8: Disposal of Logwood, Natural Resources Development Corporation Limited, Bhutan, (2005-2010)

Item	Units	2006	2007	2008	2009	2010
Logwood						
Logwood (Urban/ Commercial/Auction)	cft	1,791,035	1,853,056	1,559,657	2,068,852	1,999,407
Logwood (Rural)	cft	304,699	227,261	152,526	180,326	248,115
Firewood	M3	26,826	36,826	33,831	**470795	**529915
Woodchips	M3	...	...	10,510	21,539	16,641
Sand	Truck Load	...	2,470	27,374	17,329	28,646
Stone/ Stonechips/ Gravels	Truck Load	...	...	6,457	21,539	16,641
Poles	Numbers	12,780	18,080	36,710		
Total		**2,135,341**	**2,137,693**	**1,827,066**	**2,309,585**	**2,309,450**

Source: Policy and Planning Division, MoAF, Thimphu.

Table 6.9 : Quantity of Timber Supplied and Royalties Realized by Dzongkhag, Bhutan, (2012-2014)

Division/Park	Quantity of Timber Supplied (M3)			
	2012-2013	Nu. in Millions	2013-2014	Nu. in Millions
Bumthang	24,966	4.93	4,041	0.56
Gedu	7,145	0.25	4,903	0.11
Mongar	14,723	2.25	10,290	0.80
Paro	25,176	1.02	7,299	0.69
Samdrup Jongkhar	4,503	0.08	4,283	0.14
Samtse	7,247	4.29	2,815	1.53
Sarpang	722	4.56	3,282	0.67
Thimphu	6,356	0.15	4,498	0.14
Trashigang	6,013	1.13	4,914	1.61
Tsirang	4,939	16.45	3,362	0.83
Wangdue	8,081	0.73	12,174	0.88
Zhemgang	2,996	0.26	2,080	0.22
Bumdeling Wildlife Sanctury	1,596	0.70	872	0.59
Jigme Dorji National Park	1,968	0.35	7,238	0.35
Jigme Singye Wangchuck National Park	619	0.76	400	0.80
Royal Manas National Park	584	0.80	394	0.95
Sakteng Wildlife Sanctury	5,440	1.20	3,658	17.02
Thrumshingla National Park	2,185	0.08	2,332	1.29
Wangchuck Centinial Park	1,421	0.70	439	0.78
Total	**126,680**	**40.64**	**79,276**	**29.94**

Source: Bhutan RNR Statistics 2015, MoAF

Table 6.10: Supply of Timber at Commercial, Concessional and Free by Royalties, Bhutan, (2010-201

Product Type	2010										
	Commercial	Nu. in Millions	Concessional	Nu. in Millions	Free	Total	Total Nu. in Millions	Commercial	Nu. in Millions	Concessional	
Cham	0.03	0.02	2.27	0.67	0.62	3.37	0.68	0.05	0.03	5.39	
Dangchung	0.07	0.00	0.62	0.02	0.10	0.70	0.02	0.33	0.01	1.05	
Drashing	8.75	0.48	30.26	0.66	1.15	40.16	1.14	7.50	2.32	52.77	
Tsim	0.03	0.00	1.93	0.11	0.02	1.99	0.12	0.25	0.02	3.18	
Shinglep	0.02	0	0.48	0.01	0.00	0.50	0.01	0.10	0.028	0.65	
Sawn Timber	0.82	0.41	0.00	0.00	0.00	0.82	0.41	1.16	0.49	0.56	
Firewood	7.97	0.17	39.79	0.33	1.10	48.87	0.50	32.29	0.71	57.62	
Flag Poles	0.02	0.00	0.03	0.00	0.00	0.05	0.00	1.18	0.06	3.84	
Fencing Posts	1.85	0.06	4.93	0.16	0.00	6.77	0.22	5.64	0.18	9.07	
Other Poles/ Posts	2.07	0.12	6.10	0.13	0.01	8.17	0.25	6.00	0.57	15.02	
Logs	9.21	3.31	0.71	0.02	0.00	9.92	3.33	12.63	21.43	3.32	
Woodchips	3.21	0.20	0.00	0.00	0.00	3.21	0.20	14.62	0.71	0.00	
Others	0.19	0.02	0.85	0.03	0.00	1.04	0.05	2.49	0.31	0.29	
Total	**34.24**	**4.78**	**88.43**	**2.14**	**2.92**	**125.59**	**6.93**	**84.26**	**26.84**	**152.75**	

Source: Bhutan RNR Statistics 2012, MoAF

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(000' M3)

2011				2012						
	Nu. in Millions	Free	Total	Total Nu. in Millions	Com-mercial	Nu. in Millions	Conces-sional	Nu. in Millions	Free	Total	Total Nu. in Millions
	1.20	0.16	5.60	1.23	0.01	0.01	2.66	0.51	0.30	2.97	0.51
	0.02	0.01	1.40	0.04	0.03	0.00	0.38	0.01	0.01	0.41	0.01
	1.32	0.25	60.52	3.63	4.67	2.34	29.40	0.60	0.28	34.35	2.94
	0.21	0.00	3.43	0.23	0.17	0.01	2.32	0.12	0.00	2.49	0.13
	0.01	0.00	0.75	0.04	0.07	0.003	0.31	0.01	0.01	0.38	0.01
	0.22	0.00	1.72	0.70	0.54	0.22	0.23	0.04	0.00	0.77	0.25
	0.56	1.36	91.27	1.27	2.74	0.48	20.68	0.30	0.23	43.65	0.78
	0.08	0.00	5.02	0.13	0.25	0.01	0.67	0.01	0.00	0.92	0.02
	0.20	0.35	15.07	0.38	0.92	0.04	0.17	0.01	0.01	1.10	0.04
	0.21	0.01	21.02	0.78	11.22	0.88	8.99	0.22	0.01	20.21	1.10
	0.11	0.00	15.95	21.53	19.93	17.03	0.01	0.00	0.04	19.97	17.03
	0.00	0.00	14.62	0.71	7.01	0.38	0.02	0.00	0.00	7.02	0.39
	0.01	0.42	3.20	0.31	3.32	0.13	0.78	0.01	2.16	6.26	0.14
	4.15	**2.55**	**239.56**	**30.99**	**70.87**	**21.53**	**66.61**	**1.83**	**3.03**	**140.52**	**23.36**

Table 6.11: Distribution of Geographical Area by Agro-Ecological Zones, Bhutan, 2010

Dzongkhag	Total Area (Sq.km)	Distribution of area (Sq.km) by agro-ecological zones					
		Wet Sub-tropical (100-600)	Humid Subtropi-cal (600-1200)	Dry Sub-tropical (1200-1800)	Warm Temper-ate (1800-2600)	Cool Temper-ate (2600-3600)	Alpine (3600-7500)
Bumthang	2,666.89	0.0	0.0	0.0	1.3	36.1	62.6
Chhukha	1,879.55	7.2	17.8	21.3	27.1	23.7	3.0
Dagana	1,712.70	15.8	19.0	19.1	25.7	16.6	4.0
Gasa	2,951.07	0.0	0.0	0.1	2.2	9.8	87.9
Haa	1,904.65	0.0	2.4	6.9	15.0	35.1	40.6
Lhuentse	2,850.76	0.0	1.0	6.9	20.6	30.6	40.9
Monggar	1,940.26	3.3	17.8	27.0	28.7	21.8	1.5
Paro	1,286.93	0.0	0.0	0.0	13.6	42.2	44.3
Pema Gatshel	1,021.94	20.9	41.7	28.1	9.3	0.0	0.0
Punakha	1,109.57	0.0	0.2	17.6	36.7	29.4	16.2
Samdrup Jongkhar	1,876.62	22.9	23.0	25.6	20.8	7.3	0.4
Samtse	1,256.09	20.9	27.7	22.2	21.0	7.3	0.7
Sarpang	1,655.04	25.9	25.1	24.7	21.2	2.8	0.3
Thimphu	1,791.73	0.0	0.0	0.0	6.2	30.2	63.5
Trashigang	2,197.65	0.1	4.4	14.8	29.2	32.7	18.8
Trashi Yang-tse	1,447.35	0.0	2.5	6.8	24.1	34.4	32.2
Trongsa	1,813.71	0.0	2.7	10.2	28.2	41.4	17.5
Tsirang	637.83	7.4	31.6	30.7	22.7	7.0	0.6
Wangdue Phodrang	3,977.28	0.2	3.2	8.9	19.0	32.4	36.4
Zhemgang	2,416.48	11.9	29.6	26.8	19.5	9.9	2.3
Bhutan	**38,394.09**	**5.6**	**10.2**	**13.1**	**18.6**	**23.9**	**28.6**

Source: Bhutan RNR Statistics 2012, MoAF

Table 6.12: Mineral Production by Type, Bhutan, (2010-2014)

Minerals	2010	2011	2012	2013	2014
Dolomite (metric tonnes)	1,214,619.93	1,082,300.76	1,499,534.68	1,740,015.95	2,040,690.96
Lime stone (metric tonnes)	704,911.60	649,291.20	677,128.94	1,006,234.63	1,122,825.09
Gypsum (metric tonnes)	344,034.49	352,233.95	313,172.96	351,420.64	414,147.54
Coal (metric tonnes)	87,815.42	108,904.47	98,731.18	77,743.58	121,890.58
Marble (square feet)	71,277.95	71,582.49	59,541.68	60,708.49	61,921.10
Slate (square feet)	...	...	...	...	...
Quartzite (metric tonnes)	111,370.67	95,015.79	88,630.78	90,909.28	83,907.14
Talc (metric tonnes)	40,204.18	8,562.14	16,062.59	9,584.24	12,601.37
Stone (metric tonnes)	6,649,977.80	1,842,678.84	1,494,467.05	38,542.28	1,474,394.94
Granite (metric tonnes)	9,396.44	462.80	1,806.78	6,463.81	4,362.21
Phyllite (metric tonnes)	11,699.98	8,208.18	1,016.52	13,818.40	40,076.71
Calc Tufa (metric tonnes)	...	19,897.32	8,872.62	...	...
Iron Ore (metric tonnes)	...	...	3,741.77	20,505.81	18,997.37
Clay	...	...	7,353.40	15,165.66	10,208.95

Source: Department of Geology and Mines, MoEA, Thimphu.

Table 6.13: Mineral Production by Type and Use, Bhutan, (2011-2014)

Minerals	2011			2012			2013			2014		
	Export	Domestic Use	Total	Export	Domestic Use	Total	Export	Domestic Use	Total	Export	Domestic Use	Total
Dolomite (metric tonnes)	1,071,433	8,981	1,080,414	1,498,105	1,429	1,499,535	1,730,644	9,372	1,740,016	2,004,877	35,814	2,040,691
Lime stone (metric tonnes)	39,860	585,675	625,535	47,074	630,054	677,128	49,527	956,707	1,006,235	16,406	1,106,419	1,122,825
Gypsum (metric tonnes)	312,371	41,435	353,806	278,203	34,970	313,173	311,492	39,929	351,421	368,411	45,736	414,148
Coal mines (metric tonnes)	73,354	33,551	106,904	46,608	52,123	98,731	5,202	72,542	77,744	26,574	95,317	121,891
Marble (square feet)	700,013	...	700,013	5,523	54,019	59,542	59,623	1,086	60,708	39,850	22,071	61,921
Slate (square feet)	...	...	...	...	...	...	...	...	...	...	...	...
Quartzite (metric tonnes)	90,468	45	90,513	2,264	86,367	88,631	3,091	87,818	90,909	2,228	81,679	83,907
Talc (metric tonnes)	8,230	...	8,230	1,606	5	1,611	9,503	81	9,584	6,917	5,685	12,601
Stone (metric tonnes	182,761	1,674,460	1,857,221	45,866	1,448,601	1,494,467	11,235	27,308	38,542	28,340	1,446,055	1,474,395
Granite (square feet)	...	427	427	...	1,807	1,807	...	6,464	6,464	0.00	4,362	4,362
Phyllite (metric tonnes)	1,667	6,541	8,208	364	652	1,017	...	13,818	13,818	12	40,065	40,077
Calc Tufa (metric tonnes)	...	19,897	19,897	...	8,873	8,873	...	...	...	...	...	...
Iron Ore (metric tonnes)	...	...	...	...	3,742	3,742	20,506	...	20,506	0.00	18,997	18,997
Clay	...	...	...	...	7,353	7,353	15,166	...	15,166	0.00	10,209	10,209

Source: Department of Geology and Mines, MoEA, Thimphu.

Table 6.14: Length of Roads by Type, Bhutan, (2009-June 2014)

(Length in Km)

Type of Road	Express-way	Primary National Highway	Secondary National Highway	Dzongkhag Road	Feeder Road	Urban Road	Farm Road	Access Road[1]	All road
2009	6.2	...	...	490.7	910.8	206.7	1,361.6	1,296.5	**4,272.5**
Black topped	6.2	...	...	454.2	174.1	190.0	2.7	301.0	**1,128.2**
Non-black topped	0.0	...	...	36.5	736.7	16.7	1,358.9	995.5	**3,144.3**
2010	6.2	...	...	1,066.1	...	295.0	1,980.3	1,313.2	**4,660.7**
Black topped	6.2	...	...	196.5	...	265.8	0.2	291.2	**759.9**
Non-black topped	0.0	...	...	869.6	...	29.2	1,980.1	1,022.0	**3,900.8**
2011	6.2	1,757.2	516.4	1,112.9	...	303.6	3,289.7	1,380.3	**8,366.2**
Black topped	6.2	1,604.2	473.9	203.1	...	272.8	0.7	296.6	**2,857.4**
Non-black topped	0.0	153.0	42.5	909.8	...	30.8	3,289.0	1,083.7	**5,508.8**
2012	6.2	1,768.6	521.2	1,050.9	...	326.9	4,380.9	1,436.7	**9,491.5**
Black topped	6.2	1,627.3	473.9	203.1	...	295.8	0.0	296.7	**2,902.9**
Non-black topped	0.0	141.4	47.3	847.8	...	31.2	4,380.9	1,140.0	**6,588.5**
2013	6.2	1,860.1	578.2	1,178.3	...	349.7	5,255.2	1,350.5	**10,578.2**
Black topped	6.2	1,662.4	510.9	202.1	...	324.5	2.5	266.7	**2,975.3**
Non-black topped	0.0	197.7	67.3	976.2	...	25.2	5,252.7	1,083.8	**7,602.9**
2014[2]	6.2	1,900.1	578.3	1,387.2	...	361.1	5,128.9	1,351.1	**10,712.9**
Black topped	6.2	1,689.0	510.9	219.1	...	335.9	2.5	266.4	**3,030.0**
Non-black topped	0.0	211.0	67.3	1,168.1	...	25.2	5,126.4	1,084.8	**7,682.8**

Note: [1] *Access road includes Forest road and Power tiller road.*

[2] *As of 30th June 2014*

a. The national highway before year 2011 is now primary national highway, the distric road is now secondary national highway and the feeder road is now Dzongkhag road, therefore it is not available for the provious year.

Source: Department of Roads, MoWHS, Thimphu.

Table 6.15: Length of Roads by Type and Dzongkhag, Bhutan, June 2014

(Length in Km)

Dzongkhag	Ex-press-way	Primary National Highway	Secondary National Highway	Dzongkhag Road	Urban Road	Farm Road	Forest Road	Power tiller track	Access Road	Total	%
Bumthang	0.0	148.3	0.0	52.0	1.7	169.1	47.8	0.0	19.7	438.5	4.1
Chhukha	0.0	275.0	0.0	58.6	28.6	334.6	30.9	23.3	177.3	928.3	8.7
Dagana	0.0	17.8	87.0	62.3	1.5	231.1	18.5	28.1	2.2	448.4	4.2
Gasa	0.0	0.0	48.7	7.0	0.0	11.0	0.0	0.0	3.2	69.8	0.7
Haa	0.0	16.0	25.6	34.0	7.9	127.5	56.0	6.1	0.9	274.0	2.6
Lhuentse	0.0	0.0	45.0	69.4	0.8	376.9	7.1	5.5	3.7	508.3	4.7
Monggar	0.0	211.4	20.0	107.5	22.9	540.5	44.8	4.0	26.7	977.8	9.1
Paro	0.0	103.0	64.6	41.1	5.2	353.7	5.2	2.0	25.6	600.4	5.6
Pema Gatshel	0.0	98.2	36.0	116.4	0.0	330.8	17.6	0.0	5.8	604.7	5.6
Punakha	0.0	52.0	35.2	40.3	4.4	312.6	59.0	10.4	21.7	535.7	5.0
Samdrup Jongkhar	0.0	73.8	48.0	41.1	7.3	326.4	11.5	0.0	21.9	537.7	5.0
Samtse	0.0	50.0	49.0	60.4	8.3	213.2	7.0	0.0	8.3	396.2	3.7
Sarpang	0.0	112.6	0.0	40.3	14.6	203.8	111.3	0.0	13.9	496.5	4.6
Thimphu	6.2	74.0	23.5	57.9	216.2	58.0	103.9	0.0	20.5	560.1	5.2
Trashigang	0.0	121.5	5.0	257.3	6.6	560.6	8.5	23.0	41.7	1,016.0	9.5
Trashi Yang-tse	0.0	0.0	40.0	94.8	8.7	149.9	20.7	0.0	4.2	318.3	3.0
Trongsa	0.0	178.2	0.0	29.9	0.6	178.0	0.0	4.6	10.2	397.5	3.7
Tsirang	0.0	77.0	0.0	25.0	3.3	173.9	6.5	0.0	12.4	298.1	2.8
Wangdue Phodrang	0.0	132.0	0.0	110.8	8.5	257.5	117.8	0.0	120.3	746.9	7.0
Zhemgang	0.0	159.3	50.7	81.1	14.1	220.0	2.3	11.6	20.8	559.9	5.2
Bhutan	**6.2**	**1,900.1**	**578.3**	**1,387.2**	**361.1**	**5,128.9**	**676.3**	**118.6**	**560.9**	**10,717.4**	**100.0**

Source: Department of Roads,MoWHS, Thimphu.

Table 6.16 : Import of Petroleum Products by Volumn and Value, (2010-2014)

PoL Products	2010		2011		2012		2013		2014	
	Volume in KL/MT	Value in Nu. Million	Volume in KL/MT	Value in Nu. Million	Volume in KL/MT	Value in Nu. Million	Volume in KL/MT	Value in Nu. Million	Volume in KL/MT	Value in Nu. Million
Diesel (HSD)	88,788.31	2,803.87	105,872.06	3,644.70	124,209.22	4,695.27	126,120.29	5,655.31	117,615.80	5,865.98
Petrol(KL)	23,934.81	969.20	26,877.82	1,369.43	29,316.90	1,636.28	30,272.20	1,750.31	31,458.20	1,826.52
Kerosene (S.K oil)	5,588.03	53.62	5,658.81	70.41	5,567.01	73.86	4,966.01	67.38	24.00	1.25
SKO(Industrial)	240.16	8.06	120.15	5.74	0.00	0.00	0.00	0.00	21.00	1.23
Kerosene type jet fuel(ATF)	1,342.87	48.69	1,455.00	71.96	2,082.02	120.46	3,168.00	197.09	3,585.00	219.69
LPG	24,217.66	145.08	7,458.61	181.45	7,480.71	194.96	6719.48	181.77	7,056.18	183.38
Lubricating Oil	1,564.64	194.34	1,929.99	275.70	2,380.92	365.25	2,573.47	404.56	2,512.93	414.69
Furnance Oil	3,352.04	103.71	13,985.34	95.40	1,363.36	64.97	721.58	34.03	473.35	22.11
LDO	243.00	10.41	322.00	17.09	189.11	11.43	204.00	13.49	3,698.00	198.83
Petroleum Bitumen	3,858.07	128.02	4,956.24	187.91	17,184.00	704.40	5,594.84	260.75	7,563.67	376.85
Others (waste oils)	44.35	4.93	235.48	17.38	225.17	17.51	218.28	21.66	172.03	19.65
Others (containing biodiesel other than waste oils)	5.30	0.29	3.05	0.19	19.33	2.07	58.29	1.70	2.51	0.48

Source: Bhutan Trade Statistics ,DRC, MoF, Thimphu

Table 6.17: Number of Registered Vehicles by Type and Region, (2010-2014)

Region	Government									
	Heavy	Medium	Light	Two-Wheeler	Power Tiller	TR	Earth Mover[1]	Total	Heavy	Medium
2010	1009	183	2117	1342	17	42	202	4912	5,625	830
Thimphu	502	24	1,305	498	8	13	111	2,461	1,816	171
Phuntsholing	438	115	505	541	0	14	46	1,659	3,294	578
Gelephu	30	7	109	98	0	1	10	255	193	48
Samdrup Jongkhar	39	37	198	205	9	14	35	537	322	33
2011	1075	211	2278	1406	21	56	238	5285	6,897	1,050
Thimphu	522	36	1,369	519	12	18	113	2,589	2,093	237
Phuntsholing	456	125	559	554	0	17	51	1,762	4,228	705
Gelephu	54	12	140	107	0	6	35	354	246	68
Samdrup Jongkhar	43	38	210	226	9	15	39	580	330	40
2012	1132	226	2531	1460	21	58	241	5669	7,311	1,104
Thimphu	546	39	1,503	531	12	20	115	2,766	2,165	257
Phuntsholing	481	131	641	581	0	17	51	1,902	4,534	733
Gelephu	57	18	161	113	0	6	35	390	264	74
Samdrup Jongkhar	48	38	226	235	9	15	40	611	348	40
2013	1,176	226	2,510	1,463	58	89	250	5,772	7,368	1,121
Thimphu	550	35	1,480	523	49	47	116	2,800	2,169	269
Phuntsholing	517	135	642	586	0	17	57	1,954	4,577	736
Gelephu	60	18	163	114	0	5	37	397	265	76
Samdrup Jongkhar	49	38	225	240	9	20	40	621	357	40
2014	1,176	231	2,572	1,454	162	91	253	5,939	7,298	1,161
Thimphu	545	39	1,520	520	95	47	118	2,884	2,139	288
Phuntsholing	523	139	668	588	0	17	58	1,993	4,535	752
Gelephu	61	18	162	111	27	6	37	422	267	81
Samdrup Jongkhar	47	35	221	235	40	20	40	638	357	40
Monggar	0	0	1	0	0	1	0	2	0	0

Note: [1] *Earth Movers include bull dozers, road rollers, pay loaders, excavators, cranes, etc.*

a. Excludes vehicles of armed forces.

b. The figures are in cumulative.

Source: Road Safety and Transport Authority, MOIC, Thimphu.

Private								BHT		Diplomats/CD			All Types
	Light	Two-Wheeler	Taxi	Power Tiller	TR	Earth Mover	Total	Light	Total	Light	Two-Wheeler	Total	
	29,446	7,612	3,600	777	174	1,075	49,139	63	63	68	4	72	54,186
	18,129	3,451	2,522	430	58	336	26,913	63	63	68	4	72	29,509
	9,355	2,344	939	59	89	687	17,345	0	0	0	0	0	19,004
	848	818	99	82	3	14	2,105	0	0	0	0	0	2,360
	1,114	999	40	206	24	38	2,776	0	0	0	0	0	3,313
	33,807	8,023	4,856	1,009	222	1,478	57,272	70	70	65	5	70	62,697
	20,561	3,559	3,305	602	67	463	30,817	70	70	65	5	70	33,546
	10,923	2,490	1,343	66	121	939	20,815	0	0	0	0	0	22,577
	1,012	849	151	103	8	33	2,470	0	0	0	0	0	2,824
	1,311	1,125	57	238	26	43	3,170	0	0’	0	0’	0	3,750
	36,658	8,274	5,354	1,107	225	1,677	61,710	70	70	65	5	70	67,519
	22,173	3,656	3,617	697	68	496	33,129	70	70	65	5	70	36,035
	11,874	2,580	1,514	66	123	1,090	22,514	0	0	0	0	0	24,416
	1,170	886	160	103	8	47	2,712	0	0	0	0	0	3,102
	1,441	1,152	63	241	26	44	3,355	0	0	0	0	0	3,966
	36,973	8,282	5,191	1,151	229	1,721	62,036	56	56	57	5	62	67,926
	22,319	3,636	3,508	740	68	503	33,212	56	56	57	5	62	36,130
	11,934	2,587	1,475	66	124	1,125	22,624	0	0	0	0	0	24,578
	1,226	895	149	103	11	50	2,775	0	0	0	0	0	3,172
	1,494	1,164	59	242	26	43	3,425	0	0	0	0	0	4,046
	39,252	8,529	4,109	1,219	238	1,752	63,558	55	55	45	5	50	69,602
	23,530	3,746	2,707	804	70	523	33,807	55	55	45	5	50	36,796
	12,720	2,680	1,192	66	124	1,134	23,203	0	0	0	0	0	25,196
	1,409	900	156	105	17	50	2,985	0	0	0	0	0	3,407
	1,539	1,160	54	244	26	45	3,465	0	0	0	0	0	4,103
	54	43	0	0	1	0	98	0	0	0	0	0	100

Table 6.18: Total Electricity Generation and Supply, Bhutan, (2009/10-2014)

Details	2009/10	2011	2012	2013	2014
Installed capacity (MW)	1,497.29	1,497.29	1,497.29	1,498.83	1,498.83
Chhukha hydro power	336.00	336.00	336.00	336.00	336.00
Kurichu hydro power	60.00	60.00	60.00	60.00	60.00
Basochu - I hydro power	24.00	24.00	24.00	24.00	24.00
Basochu - II hydro power	40.00	40.00	40.00	40.00	40.00
THPA	1,020.00	1,020.00	1,020.00	1,020.00	1,020.00
Other hydro power	8.10	8.10	8.10	8.10	8.10
All diesel generators	9.19	9.19	9.19	10.73	10.73
Electricity generation (MU)	6,997.59	7,066.53	6,823.71	7,550.04	7,164.16
Chhukha hydro power	1,839.91	1,774.13	1,742.10	1,907.44	1,797.83
Kurichu hydro power	368.35	361.80	360.93	378.60	368.03
Basochu - I hydro power	114.39	114.17	105.82	117.74	109.25
Basochu - II hydro power	207.82	208.12	194.00	212.65	197.08
THPA	4,441.24	4,587.99	4,405.48	4,914.59	4,675.03
Other hydro power	25.58	20.01	15.21	18.48	16.93
All diesel generators	0.30	0.31	0.18	0.54	0.01
Exports (MU)	5,352.51	5,283.90	4,924.00	5,624.59	5,146.60
Imports (MU)	19.55	19.87	36.75	36.75	159.15
Total energy requirement (MU)	1,665.00	1,713.93	1,853.76	1,924.24	2,085.46
Total energy sales (MU)	1,498.01	1,619.95	1,769.59	3,346.60	3,959.81
Energy losses (MU)	166.99	93.98	84.17	82.77	80.63
Percentage losses (%)	10.00	5.48	4.54	4.00	4.00
Peak system demand (MW)	237.17	276.24	282.44	313.94	333.41
Length of HT lines (33/11 KV)					
Overhead lines (km)	2,906.79	3,785.99	4,090.35	5,021.27	5,568.40
Underground lines (km)	63.53	71.21	81.45	104.41	108.91
Length of LT lines					
Overhead lines (km)	3,724.52	5,278.72	5,969.28	6,620.85	7,077.35
Underground lines (km)	187.48	189.31	193.35	314.74	360.16

Source: Department of Hydropower & Power Systems, MoEA, Thimphu.

Table 6.19: Consumption of Electricity by Type of Consumer, 2014

Type of Consumer	Energy Sold (MU)	% of Total Sales	No. of Consumers
Total consumption (MU)	**2,004.83**	**100.00**	**159,796.00**
Domestic rural	82.09	4.09	89,377.00
Domestic urban	127.56	6.36	43,536.00
Commercial	51.91	2.59	10,507.00
Industrial	8.35	0.42	368.00
Agriculture	2.41	0.12	980.00
Institutions	55.01	2.74	10,054.00
Street lighting	3.96	0.20	365.00
Power house auxiliaries	1.42	0.07	31.00
Temporary connections	19.20	0.96	3,734.00
LV Bulk	67.94	3.39	778.00
MV Industries	89.20	4.45	51.00
HV Industries	1,495.78	74.61	15.00

Source:Department of Hydropower & Power Systems, MoEA, Thimphu.

Table 6.20: Percentage of Major Attraction to Bhutan, 2014

Attractions	%
Flora and Fauna, General sightseeing, Trekking	1.00
Flora and Fauna, Visiting Dzongs/Temples	1.04
Festival/Tshechu, General sightseeing, Visiting Dzongs/Temples	1.20
Festival/Tshechu, Visiting Dzongs/Temples	1.45
General sightseeing, Textiles, Visiting Dzongs/Temples	1.46
Trekking	1.65
Festival/Tshechu, General sightseeing, Trekking,	1.74
Flora and Fauna, General sightseeing, Visiting Dzongs/Temples	1.91
General sightseeing, Trekking	3.24
Trekking, Visiting Dzongs/Temples	3.91
Festival/Tshechu, General sightseeing, Visiting Dzongs/Temples	4.91
General sightseeing, Trekking, Visiting Dzongs/Temples	6.56
Visiting Dzongs/Temples	6.67
General sightseeing	7.91
General sightseeing, Visiting Dzongs/Temples	6.66

Source: Tourism Council of Bhutan, Thimphu.

Table 6.21: Total Ghg Emissions in Bhutan, 2000

GHG Sources & Sink	Total(CO2, CH4 and N20), CO2 -equiv	GHG, Giga Grams						
		CO2	CH4	N2O	NOx	CO	NMVOC	SO2
1 Energy	270.23	260.31	0.38	0.01	1.76	9	1.3	0.96
2 Industrial Processe	237.76	237.76	0	0	0	0	1.69	0.1
3 Solvent & Other Product Us	0	0	0	0	0	0	0	0
4 Agriculture	1005.3	0	25.85	1.49	0.2	0.41	0	0
5 Land-Use Change and Forestry	-6,309.00	-6,309.00	0	0	0	0	0	0
6 Waste	46.27	0	2	0.01	0	0	0	0
Total GHG Emission, excluding LUCF	**1559.56**	**498.07**	**28.23**	**1.51**	**1.78**	**9.41**	**4.7**	**1.05**
Total GHG Emission, including LUCF	**-4750.04**	**-5810.9**	**28.23**	**1.51**	**1.78**	**9.41**	**4.7**	**1.05**

Source: Second National Communication to the UNFCCC, NEC

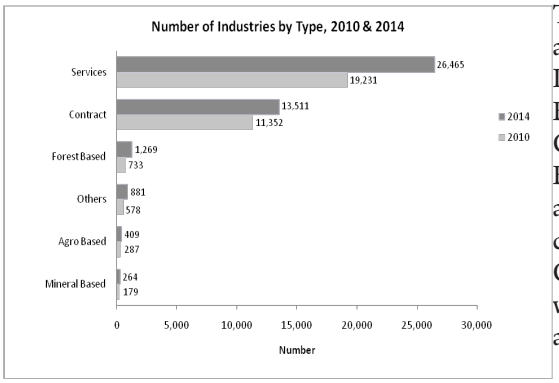
Table 6.22: PM 10 Concentration (Microgram/m3) for Thimphu Dzongkhag, (2010-2014)

Month	2010	2011	2012	2013		2014
	NEC office top	NEC office top	NEC office top	City RBP Office roof top	NEC office roof top	NEC office roof top
January	46.667	57.625	57.595	84.46	66.33	59.65
Febuary	65.366	50.338	50.831	100.92	54.47	67.15
March	80.442	54.859	76.033	98.07	64.87	58.89
April	25.934	40.863	41.374	76.51	49.56	43.99
May	59.350	19.243	38.820	51.27	33.84	41.35
June	10.038	21.044	31.073	39.73	16.06	24.91
July	7.880	12.008	22.510	27.39	7.56	...
August	44.673	...	15.683	33.01	7.95	...
September	44.923	...	17.253	64.18	18.65	14.84
October	31.795	26.992	39.831	47.28	21.75	...
November	188.680	33.598	54.787	97.24	51.10	35.08
December	70.957	41.765	68.862	105.49	57.55	54.63

Source: National Environment Commission, Thimphu

Industries cover the whole range of industrial activities carried out by businesses in all fields including mining, manufacturing, wholesale and retail trade, and other service industries. In Bhutan, the industrial sector has until recently played a relatively small role in the economy.

The mining industry in Bhutan is as yet relatively undeveloped. The kingdom has significant deposits of a number of mineral resources, including limestone, coal, graphite, gypsum, slate and dolomite. Most mining activities are limited to relatively small operations, mainly involved in the mining of dolomite, gypsum, limestone, slate, coal, marbles, quartzite and talc.



The manufacturing industry is dominated by a small number of major operators such as the Penden Cement Authority Ltd., the Bhutan Board Products Ltd., Bhutan Carbide and Chemicals Ltd., the Bhutan Ferro Alloys Ltd. and Bhutan Agro Industries Ltd. Besides these, there are a number of other small manufacturing plants concentrated in the food processing activities. Cottage industry also plays a prominent role with its good timber resources and favorable agricultural conditions.

As the industrial sector grows in Bhutan, statistics on industry will become increasingly important. The Department of Industry keeps a record of all industrial licenses and activities. Besides, Censuses of Manufacturing Industries conducted at regular intervals viz. Industrial Census of 1998 and 2001 have been the source of important information on Industries. For example, information on the number of industries in operation, types of industries, and employment in industries etc. presented in this chapter is the results from those Censuses.

The number of industrial license holders increased from 2,485 in 2013 to 2,823 in 2014, with more than 90 percent of the establishments operated by the private sectors. Most of the existing industrial establishments are small scale or cottage industries.

Table 7.1: Number of Industrial Establishments by Sector, Bhutan, (2010-2014)

Sector	2010	2011	2012	2013	2014
Production & manufacturing	1,777	1,977	2,240	2,485	2,823
New registration	237	221	256	242	335
Existing establishments	1,540	1,756	1,984	2,243	2,488
Services	19,231	20,799	22,365	24,322	26,465
New registration	1,437	1,632	1,583	1,906	2,128
Existing establishments	17,794	19,167	20,782	22,416	24,337
Contract	11,352	11,916	12,677	13,144	13,511
New registration	503	594	756	467	363
Existing establishments	10,849	11,322	11,921	12,677	13,148
Trade	18,892	20,373	19,423	22,331	27,048
New registration	3,371	3,603	3,632	4,801	5,092
Existing establishments	15,521	16,770	15,791	17,530	21,956
All sectors	**51,252**	**55,065**	**56,705**	**62,282**	**69,847**

Source: Department of Industry, Department of Trade, MoEA, Thimphu.

Table 7.2: Number of Licencesed Firms in Manufacturing and Mining Industries by Sub Sector and Ownership, Bhutan, (2011-2014)

Industry	2011				2012				2013				2014			
	Public	Joint	Private	Total	Public	Joint	Private	Total	Public	Joint	Private	Total	Public	Joint	Private	Total
Mining	15	3	71	89	19	3	72	94	19	3	69	91	11	3	78	92
Manufacturing	42	23	1,912	1,977	27	9	2,141	2,177	26	10	2,449	2,485	31	9	2,711	2,751
Food processing/milling	3	2	250	255	7	2	316	325	7	2	339	348	7	2	400	409
Textiles and Clothing	1	2	33	36	0	0	26	26	0	0	23	23	0	0	34	34
Wood and Paper Products	2	6	823	831	3	3	948	954	3	2	1089	1094	5	1	1263	1269
Mineral Products	20	5	184	209	6	3	164	173	6	3	172	181	7	3	182	192
Others	16	8	622	646	11	1	687	699	10	3	759	772	12	3	832	847
Total	**57**	**26**	**1,983**	**2,066**	**46**	**12**	**2,213**	**2,271**	**45**	**13**	**2,518**	**2,576**	**42**	**12**	**2,789**	**2,843**

Source: Department of Industry, Department of Geology & Mines, MoEA, Thimphu.

Table 7.3: Number of Industries by Ownership, Size and Type, Bhutan, (2010-2014)

Industrial Establishments	2010	2011	2012	2013	2014
Ownership	32,360	34,692	37,282	39,951	42,799
Private	32,218	34,550	37,155	39,814	42,634
Joint	46	46	27	29	26
Public	96	96	100	108	139
Size	32,360	34,692	37,282	39,951	42,799
Large scale	114	133	141	162	177
Medium scale	201	220	240	268	296
Small scale	2,878	2,649	3,014	3,053	3,659
Cottage scale	17,815	19,774	21,210	23,324	25,156
Other (Contract)	11,352	11,916	12,677	13,144	13,511
Type	32,360	34,692	37,282	39,951	42,799
Production & Manufacturing	1,777	1,977	2,240	2,485	2,823
Agro based	287	291	325	348	409
Forest based	733	831	954	1,094	1,269
Mineral based	178	209	236	248	264
Others	579	646	725	795	881
Contract	11,352	11,916	12,677	13,144	13,511
Services	19,231	20,799	22,365	24,322	26,465

Source: Department of Industry, MoEA, Thimphu.

Table 7.4: Number of Contract Firms by Size,by Dzongkhag, Bhutan, 2014

Dzongkhag	Size of Contract Firm			Total
	Small	Medium	Large	
Bumthang	315	15	2	**332**
Chhukha	832	165	46	**1,043**
Dagana	357	14	0	**371**
Gasa	48	0	0	**48**
Haa	288	49	1	**338**
Lhuentse	177	25	0	**202**
Monggar	471	70	3	**544**
Paro	640	80	1	**721**
Pema Gatshel	337	37	2	**376**
Punakha	382	10	1	**393**
Samdrup Jongkhar	347	77	21	**445**
Samtse	405	46	1	**452**
Sarpang	637	47	14	**698**
Thimphu	4,161	645	145	**4,951**
Trashi Yangtse	218	36	3	**257**
Trashigang	577	106	7	**690**
Trongsa	237	45	0	**282**
Tsirang	203	7	0	**210**
Wangdue Phodrang	793	24	0	**817**
Zhemgang	332	7	2	**341**
Bhutan	**11,757**	**1,505**	**249**	**13,511**

Source: Department of Industry, MoEA, Thimphu.

Table 7.5: Number of Industrial Firms, by Type, by Dzongkhag, Bhutan, 2014

Dzongkhag	Scale of Industry				Total
	Small	Medium	Large	Cottage	
Bumthang	73	10	3	833	**919**
Chhukha	363	70	63	3,285	**3,781**
Dagana	24	2	1	499	**526**
Gasa	0	0	0	83	**83**
Haa	47	1	0	275	**323**
Lhuentse	13	0	0	224	**237**
Monggar	59	7	2	1,038	**1,106**
Paro	267	35	7	1,801	**2,110**
Pema Gatshel	70	6	7	651	**734**
Punakha	46	10	6	757	**819**
Samdrup Jongkhar	56	6	9	986	**1,057**
Samtse	107	14	10	916	**1,047**
Sarpang	121	7	9	1,600	**1,737**
Thimphu	2,166	99	50	8,375	**10,690**
Trashi Yangtse	35	1	0	361	**397**
Trashigang	55	2	1	952	**1,010**
Trongsa	29	4	1	560	**594**
Tsirang	16	2	0	443	**461**
Wangdue Phodrang	104	18	8	1,051	**1,181**
Zhemgang	8	2	0	466	**476**
Bhutan	**3,659**	**296**	**177**	**25,156**	**29,288**

Source: Department of Industry, MoEA, Thimphu.

Table 7.6: Number of Industries by Type, by Dzongkhag, Bhutan, 2014

Dzongkhag	Agro Based	Forest Based	Mineral Based	Services	Contract	Others	**All Types**
Bumthang	23	82	4	802	332	8	**1,251**
Chhukha	74	76	41	3,463	1,043	127	**4,824**
Dagana	11	11	7	495	371	2	**897**
Gasa	1	1	0	81	48	0	**131**
Haa	2	56	1	260	338	4	**661**
Lhuentse	4	13	1	217	202	2	**439**
Monggar	15	90	6	975	544	20	**1,650**
Paro	21	199	24	1,812	721	54	**2,831**
Pema Gatshel	12	48	19	641	376	14	**1,110**
Punakha	6	26	2	779	393	6	**1,212**
Samdrup Jongkhar	18	45	10	961	445	23	**1,502**
Samtse	31	37	52	908	452	19	**1,499**
Sarpang	64	59	18	1,574	698	22	**2,435**
Thimphu	72	211	34	9,842	4,951	531	**15,641**
Trashi Yangtse	5	139	1	247	257	5	**654**
Trashigang	14	69	9	890	690	28	**1,700**
Trongsa	9	18	4	562	282	1	**876**
Tsirang	14	15	4	426	210	0	**669**
Wangdue Phodrang	5	42	23	1,099	817	12	**1,998**
Zhemgang	8	32	2	431	341	3	**817**
Bhutan	**409**	**1,269**	**264**	**26,465**	**13,511**	**881**	**42,799**

Source: Department of Industry, MoEA, Thimphu.

Table 7.7: Establishments by Ownership and Investments, Bhutan, 2010

(Numbers)

Ownership	Investment				Total
	Large	Medium	Small	Micro	
Privately owned	116	52	346	6,775	**7,289**
Government owned	18	5	10	121	**154**
Foreign control	1	0	0	8	**9**
Joint venture between Foreigner & Bhutanese	8	0	1	13	**22**
Total	**143**	**57**	**357**	**6,917**	**7,474**

Source: Establishment Census - 2010, MoLHR.

Table 7.8: Establishments by Major Economic Activity and Ownership, Bhutan, 2010

(Numbers)

Major Economic Activity	Ownership				
	Privately Owned	Government Owned	Foreign Control	Joint Venture Between Bhutanese & Foreigner	Total
Agriculture, Hunting and Forestry	24	2	0	0	**26**
Mining and Quarrying	22	0	0	0	**22**
Manufacturing	583	12	0	3	**598**
Electricity, Gas and Water Supply	16	21	0	3	**40**
Construction	76	2	2	2	**82**
Wholesale & Retail Trade, Repair of motor vehicles, motorcycles & personal & household goods	4,187	24	3	2	**4,216**
Hotels & Restaurants	1,724	39	3	2	**1,768**
Financial Intermediation	18	38	0	7	**63**
Real Estate, Renting & Business Activities	309	5	0	1	**315**
Public Administration & Defence, Compulsory Social Security	8	2	0	2	**12**
Education	17	2	0	0	**19**
Health and Social Work	16	1	0	0	**17**
Other Community, Social & Personal Service Activities	289	6	1	0	**296**
Total	**7,289**	**154**	**9**	**22**	**7,474**

Source: Establishment Census - 2010, MoLHR.

Table 7.9: Number of Establishment by Nature of Major Economic Activity, Bhutan, 2010

Major Economic Activity	Establishment	%
Agriculture, Hunting and Forestry	26	0
Mining and Quarring	22	0
Manufacturing	598	8
Electricity, Gas and Water Supply	40	1
Construction	82	1
Wholesale & Retail trade, Repair of motor vehicles, Motorcycles and personal and household goods	4,216	56
Hotels and Restaurants	1,768	24
Financial Intermediation	63	1
Real Estate, Renting and Business Activities	315	4
Public Administration and Defense, Compulsory Social Security	12	0
Education	19	0
Health and social work	17	0
Other community, social and Personal Service Activities	296	4
All Activities	**7,474**	**100**

Note: No Establishment Census has been conducted from the year 2011 onwards, therefore the data is of the year 2010 only.

Source: Establishment Census - 2010, MoLHR.

Table 7.10: Establishments by Major Economic Activity by Dzongkhag, Bhutan, 2010

Dzongkhag	Type of Establishment						
	Agriculture, Hunting & Forestry	Mining & Quarring	Manufacturing	Electricity, Gas and Water Supply	Construction	Wholesale & Retail trade,Repair of Motor Vehicles & Personal &Household Goods	
Bumthang	1	0	15	1	1	118	
Chhukha	0	3	61	4	16	481	
Dagana	0	0	5	4	1	111	
Gasa	0	0	0	0	0	14	
Haa	0	0	21	3	0	71	
Lhuentse	0	0	7	2	0	56	
Monggar	1	0	23	2	4	173	
Paro	1	1	56	1	1	339	
Pema Gatshel	0	1	9	0	0	83	
Punakha	1	1	19	1	0	90	
Samdrup Jongkhar	10	2	29	1	9	223	
Samtse	1	3	20	3	14	204	
Sarpang	1	1	48	3	4	347	
Thimphu	6	7	200	5	11	1,282	
Trashigang	2	0	9	3	5	164	
Trashi Yangtse	0	0	8	2	0	31	
Trongsa	0	1	6	1	9	62	
Tsirang	0	0	15	2	0	73	
Wangdue Phodrang	1	2	39	1	5	225	
Zhemgang	1	0	8	1	2	69	
Bhutan	**26**	**22**	**598**	**40**	**82**	**4,216**	

Source: Establishment Census - 2010, MoLHR.

Type of Establishment							Total	Percent
Hotels & Restaurants	Financial Intermediation	Real estate, Renting & Business Activities	Public Adm & Defence, Compulsory Social Security	Education	Health & Social Work	Other community, Social & Personal Service Activities		
59	2	3	0	1	1	10	212	2.8
265	5	70	3	3	2	52	965	12.9
54	0	4	0	1	0	0	180	2.4
1	1	1	0	0	0	0	17	0.2
14	3	2	0	0	0	1	115	1.5
7	2	0	0	0	0	1	75	1.0
43	5	4	0	1	0	5	261	3.5
143	1	27	1	2	1	28	602	8.1
40	5	2	0	0	0	4	144	1.9
33	3	3	0	0	0	3	154	2.1
83	6	37	0	2	2	18	422	5.6
119	1	4	1	0	2	10	382	5.1
168	2	34	0	2	1	21	632	8.5
469	5	94	7	4	7	127	2224	29.8
41	5	7	0	0	0	5	241	3.2
21	3	1	0	0	0	1	67	0.9
63	2	4	0	0	1	4	153	2.0
33	3	15	0	2	0	2	145	1.9
75	5	3	0	0	0	1	357	4.8
37	4	0	0	1	0	3	126	1.7
1,768	**63**	**315**	**12**	**19**	**17**	**296**	**7474**	**100**

Table 7.11: Establishments by Type of Legal Organization and Investments, Bhutan, 2010

(Numbers)

Legal Organization	Investments				Total
	Large	Medium	Small	Micro	
Individual Proprietorship	100	43	323	6,675	7,141
Partnership and Cooperatives	12	6	17	125	160
Private Limited Company	13	6	10	39	68
Public Limited Company	18	2	7	78	105
Total	**143**	**57**	**357**	**6,917**	**7,474**

Source: Establishment Census - 2010, MoLHR.

Table 7.12: Establishments by Major Economic Activity and Type of Legal Organization, Bhutan, 2010

(Numbers)

Major Economic Activity	Legal Organization				Total
	Individual Proprietorship	Partnership & Cooperatives	Private Limited Company	Public Limited Company	
Agriculture, Hunting and Forestry	20	2	1	3	26
Mining and Quarrying	12	4	5	1	22
Manufacturing	552	23	11	12	598
Electricity, Gas and Water Supply	13	6	2	19	40
Construction	70	5	7	0	82
Wholesale & Retail Trade, Repair of motor vehicles, motorcycles & personal & household goods	4,150	48	12	6	4,216
Hotels & Restaurants	1,701	31	14	22	1,768
Financial Intermediation	6	18	4	35	63
Real Estate, Renting & Business Activities	294	13	6	2	315
Public Administration & Defence, Compulsory Social Security	8	1	1	2	12
Education	17	0	2	0	19
Health and Social Work	14	2	1	0	17
Other Community, Social & Personal Service Activities	284	7	2	3	296
Total	**7,141**	**160**	**68**	**105**	**7,474**

Source: Establishment Census - 2010, MoLHR.

Table 7.13: Establishments by Ownership, by Dzongkhag, 2010

(Numbers)

Dzongkhag	Ownership				Total
	Privately Owned	Government Owned	Foreign control	Joint venture between Bhutanese & Foreigner	
Bumthang	204	5	2	1	**212**
Chukha	952	8	1	4	**965**
Dagana	173	5	0	2	**180**
Gasa	16	1	0	0	**17**
Haa	109	6	0	0	**115**
Lhuentse	70	5	0	0	**75**
Mongar	248	13	0	0	**261**
Paro	597	3	0	2	**602**
Pemagatshel	137	3	0	4	**144**
Punakha	150	4	0	0	**154**
Samdrup Jongkhar	409	12	0	1	**422**
Samtse	374	8	0	0	**382**
Sarpang	624	4	2	2	**632**
Thimphu	2,190	31	1	2	**2,224**
Tashigang	230	10	0	1	**241**
Trashiyangtse	60	7	0	0	**67**
Trongsa	147	6	0	0	**153**
Tsirang	139	6	0	0	**145**
Wangdue	347	6	3	1	**357**
Zhemgang	113	11	0	2	**126**
Bhutan	**7,289**	**154**	**9**	**22**	**7,474**

Source: Establishment Census - 2010, MoLHR.

Table 7.14: Establishments by Legal Organization, by Dzongkhag, 2010

(Numbers)

Dzongkhag	Type of Legal Organization				Total
	Individual proprietorship	Pertnership and Cooperatives	Private Limited Company	Public Limited Company	
Bumthang	200	5	3	4	**212**
Chukha	929	20	9	7	**965**
Dagana	173	2	0	5	**180**
Gasa	16	0	0	1	**17**
Haa	108	0	1	6	**115**
Lhuentse	70	3	0	2	**75**
Mongar	243	12	2	4	**261**
Paro	597	3	0	2	**602**
Pemagatshel	135	3	0	6	**144**
Punakha	147	5	2	0	**154**
Samdrup Jongkhar	406	4	5	7	**422**
Samtse	362	7	4	9	**382**
Sarpang	608	13	7	4	**632**
Thimphu	2,129	50	27	18	**2,224**
Tashigang	223	11	4	3	**241**
Trashiyangtse	60	5	0	2	**67**
Trongsa	143	5	0	5	**153**
Tsirang	137	6	0	2	**145**
Wangdue	343	4	4	6	**357**
Zhemgang	112	2	0	12	**126**
Bhutan	**7,141**	**160**	**68**	**105**	**7,474**

Source: Establishment Census - 2010, MoLHR.

Table 7.15: Establishments by Nationality of Ownership, Bhutan, 2010

Ownership	Number of Establishments
Bhutanese	7,188
Foreigner	286
Total	**7,474**

Source: Establishment Census - 2010, MoLHR.

Table 7.16: Establishments by Kind of Raw Materials Used and Ownership, 2010

Raw materials	Ownership				Total
	Privately owned	Government owned	Foreign control	Joint venture between Bhutanese & Foreigner	
Chemicals, paints, glues, cleaning agents, solvents,acids, petroleum, lubricants, gases and related	133	4	1	0	**138**
Minerals, ores, quarry products (boulders, sand, marble, etc)	74	4	0	0	**78**
Cement, steel, glass, rubber	81	2	0	1	**84**
Agricultural, forestry, animal, horticulture, paper products	96	3	1	1	**101**
Others	26	0	0	0	**26**
Total	**410**	**13**	**2**	**2**	**427**

Source: Establishment Census - 2010, MoLHR.

Table 7.17: Establishments by Kind of Raw Materials Used and Legal Organization, Bhutan, 2010

Raw Materials	Legal Organization				Total
	Individual Proprietorship	Partnership & Cooperatives	Private Limited Company	Public Limited Company	
Chemicals, paints, glues, cleaning agents, solvents,acids, petroleum, lubricants, gases and related	130	4	3	1	**138**
Minerals, ores, quarry products (boulders, sand, marble, etc)	73	2	1	2	**78**
Cement, steel, glass, rubber	79	3	1	1	**84**
Agricultural, forestry, animal, horticulture, paper products	95	3	1	2	**101**
Others	25	1	0	0	**26**
Total	**402**	**13**	**6**	**6**	**427**

Source: Establishment Census - 2010, MoLHR.

Table 7.18: Equipment and Machineries Used in Major Economic Activity, Bhutan, 2010

(Numbers)

Type of Establishment	Mechanical with power	Mechanical without power	Hand tools with power	Hand tools without power	Electronic Equipments	Other	Total
Agriculture, Hunting and Forestry	1	0	1	1	0	0	3
Mining and Quarrying	1	1	1	1	1	0	5
Manufacturing	13	11	12	12	5	1	54
Electricity, Gas and Water Supply	1	1	1	1	0	0	4
Construction	0	0	1	0	1	0	2
Wholesale & Retail Trade, Repair of motor vehicles, motorcycles & personal & household goods	97	78	84	78	41	4	382
Hotels & Restaurants	31	26	30	26	13	2	128
Financial Intermediation	1	0	0	0	0	0	1
Real Estate, Renting & Business Activities	3	0	2	2	1	1	9
Public Administration & Defence, Compulsory Social Security	0	3	0	0	0	0	3
Education	0	0	0	0	1	0	1
Health and Social Work	0	0	0	0	0	0	0
Other Community, Social & Personal Service Activities	4	4	5	6	4	0	23
Private households with employed persons	0	0	0	0	0	0	0
Total	**152**	**124**	**137**	**127**	**67**	**8**	**615**

Source: Establishment Census - 2010, MoLHR.

Table 7.19: Number of Employees by Major Occupation, Nationality and Their Status, Bhutan, 2010

Major Occupation	Bhutanese				Total	Foreigners				Total
	Regular	Casual	Contract	Self - employed		Regular	Casual	Contract	Self - employed	
Legislators, Sr.Officials & Managers	1,457	29	39	158	**1,683**	186	27	10	17	**240**
Professionals	1,715	65	126	3,142	**5,048**	129	79	46	125	**379**
Technicians & Associate Professionals	2,014	121	52	33	**2,220**	151	196	24	0	**371**
Clerks	1,963	73	44	28	**2,108**	79	59	5	4	**147**
Service workers & shop and market sales workers	3,094	199	90	2,391	**5,774**	797	216	31	110	**1,154**
Skilled Agriculture & Fishery workers	362	33	16	31	**442**	54	18	4	2	**78**
Craft & related trade workers	1,587	154	52	59	**1,852**	619	717	77	6	**1,419**
Plant & Machine operators & assemblers	1,780	249	59	20	**2,108**	186	750	21	1	**958**
Elementary occupations	2,967	392	89	45	**3,493**	271	1,438	33	6	**1,748**
Armed forces	0	0	0	0	**0**	0	0	0	0	**0**
Not stated	111	7	0	35	**153**	9	2	1	3	**15**
Total	**17,050**	**1,322**	**567**	**5,942**	**24,881**	**2,481**	**3,502**	**252**	**274**	**6,509**

Source: Establishment Census - 2010, MoLHR.

Table 7.20: Number of Employees by Major Occupation and Sex, Bhutan, 2010

Major Occupation	Sex		Total
	Male	Female	
Legislators, Sr.Officials & Managers	1,482	449	**1,931**
Professionals	2,751	2,704	**5,455**
Technicians & Associate Professionals	2,092	510	**2,602**
Clerks	1,375	922	**2,297**
Service workers & shop and market sales workers	3,398	3,590	**6,988**
Skilled Agriculture & Fishery workers	375	144	**519**
Craft & related trade workers	3,032	240	**3,272**
Plant & Machine operators & assemblers	2,971	98	**3,069**
Elementary occupations	4,630	627	**5,257**
Total	**22,106**	**9,284**	**31,390**

Source: Establishment Census - 2010, MoLHR.

Table 7.21: Number of Employees by Dzongkhag and Sex, 2010

Dzongkhag	Sex		Total
	Male	Female	
Bumthang	280	255	**535**
Chukha	3,376	1,257	**4,633**
Dagana	205	157	**362**
Gasa	7	14	**21**
Haa	161	94	**255**
Lhuentse	82	60	**142**
Mongar	596	247	**843**
Paro	762	761	**1,523**
Pemagatshel	240	107	**347**
Punakha	180	182	**362**
Samdrup Jongkhar	941	344	**1,285**
Samtse	1,583	369	**1,952**
Sarpang	940	567	**1,507**
Thimphu	7,143	3,817	**10,960**
Tashigang	296	213	**509**
Trashiyangtse	77	65	**142**
Trongsa	173	160	**333**
Tsirang	168	122	**290**
Wangdue	4,786	404	**5,190**
Zhemgang	110	89	**199**
Bhutan	**22,106**	**9,284**	**31,390**

Source: Establishment Census - 2010, MoLHR.

Table 7.22: Number of Employees Under 18 Years of Age by Dzongkhag, 2010

Dzongkhag	Employees Under 18 Years		Total
	Male	Female	
Bumthang	1	3	**4**
Chhukha	28	27	**55**
Dagana	2	0	**2**
Gasa	0	0	**0**
Haa	1	1	**2**
Lhuentse	1	0	**1**
Monggar	4	6	**10**
Paro	6	11	**17**
Pema Gatshel	0	2	**2**
Punakha	2	1	**3**
Samdrup Jongkhar	11	7	**18**
Samtse	4	9	**13**
Sarpang	11	15	**26**
Thimphu	21	57	**78**
Trashigang	7	7	**14**
Trashiyangtse	1	3	**4**
Trongsa	2	7	**9**
Tsirang	3	8	**11**
Wangdue Phodrang	7	8	**15**
Zhemgang	0	2	**2**
Total	**112**	**174**	**286**

Source: Establishment Census - 2010, MoLHR.

An efficient road system for a landlocked country assumes paramount importance as it plays a crucial role in supporting all development activities and in stimulating domestic and international trade. The first appearance of motor vehicle was in 1962 and surface transport continues to be the main means of transport. The Bhutan Government Transport Service (BGTS) originally entrusted with goods transportation was restructured to concentrate on passenger transport. The gradual privatization of the passenger transport services began in 1985 on pilot basis and was achieved fully by October 1991 with 21 operators managing a fleet of more than 100 buses on 73 routes. As of December 2014, there were 69,602 registered vehicles in Bhutan.

The Government, in order to promote and develop the surface transport, with emphasis on safety, formulated the Roads Safety and Transport Act, which became operational since October 1997. In the last 27 years, tremendous achievements were made in establishing 6920.10 kilometers of motorable roads and several motorable bridges. In the difficult areas where the construction of motorable road has not yet begun, suspension bridges provide the vital transport links. Today the Department of Roads is responsible for the design and planning of roads and in setting standards for quality.

Druk Air, the national airline was founded in April 1981 and was commercialized in February 1983. It is a Government owned airline run by the Druk Holding Investment. Bhutan established its first international air links with Kolkata, followed by six destinations in South Asia, including Bangkok. The Division of Civil Aviation was established in January 1986 to provide infrastructure and air traffic services and to regulate the airline industry and it became the member of ICAO (International Civil Aviation Organization). The Paro International Airport inaugurated on 10th April 1999 has taken the air transport sectors further ahead in providing reliable, safe and comfortable travel services. Druk Air Corporation Limited also introduced domestic flights to Bumthang, Younphula (Trashigang) and to Gelephu (Sarpang) in 2011.

Tashi Air Pvt. Ltd, Bhutan's first Private Airline came into existence after the Tashi Group of Companies, outbid other joint ventures companies and won the License to operate Airline Service both Domestic and International Sectors. On 4th December 2011, Tashi Group of Companies introduced its first aircraft Bhutan Airline for domestic operations. It started its international operation on 10th October 2013. Later on 1st of May 2014, Bhutan Airlines started its fleet with new Airbus A319 with 122 seating capacity.

Since the establishment of first telephone network in 1963 the ICT sector has come a long way. Telecommunication network has changed from physical wire network to a national digital network today. Bhutan's first satellite international link was established in 1990 with the installation of the Earth satellite station and an international gateway switch in Thimphu. By March 1999 all the 20

district headquarters had access to telecommunication services.

The national telecommunication network opened the path to global information network. On 2nd June 1999, the country established the first television network and also started the Internet Services. Since then, the information and communication technology such as Internet provides access to global information and plays an important role in the everyday affairs. Bhutan Telecom Limited (BTL) is the leading provider of telecommunications and Internet services in the Kingdom of Bhutan. Besides fixed line telephony, it provides GSM Mobile services under its flagship brand B-Mobile, and Internet Services under the brand name of DrukNet which was launched on 11 November 2003 coinciding with His Majesty

Fourth Druk Gyalpo's Birthday. Later, Tashi InfoComm Limited, Bhutan's first private mobile company came into existence on October 2006. Now, B-mobile and TashiCell has its services available in all 20 Dzongkhags.

The Postal Service in Bhutan was first launched on 10th October 1962 with the opening of a post office in Phuentsholing. It was called the Department of Posts and Telegraphs under the Ministry of Communications. Initially, the services offered were basic services such as letter mail, postcards and parcels. International mail was only exchanged with India. On 1st October 1996, The Division of Posts and Telegraphs was converted to autonomous Commercial Corporation as Bhutan Post. Bhutan became a member of the Universal Postal Union (UPU) and member of the Asian Pacific Postal Union (APPU) in 1983.

Today, there are in total 128 postal infrastructures in the country. Its portfolio of services also developed and improved over time and an International Express Mail Service (EMS) was introduced in July 1993. Express mail services were introduced into the domestic sector in 1966. Money order services were improved with the introduction of Facsimile Money Order for Bhutan and Express Money Order (EMO) for exchange with India. In 1997, Bhutan Post set up a transport network for the purpose of carrying both passenger and mail. This network presently covers between Thimphu and Phuentsholing and between Phuentsholing and Calcutta.

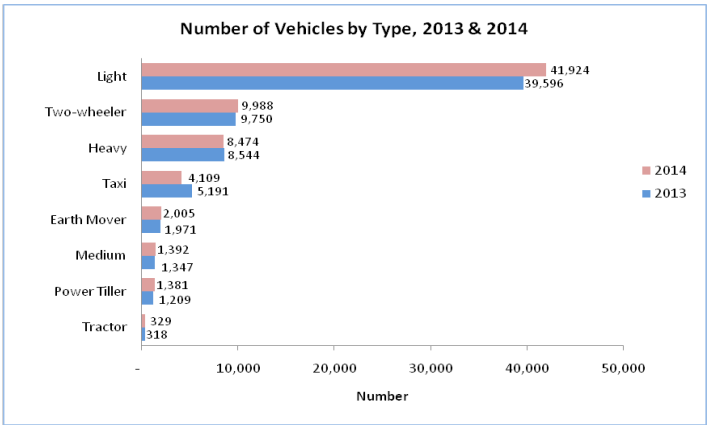


Table 8.1: Number and Length of Motorable Bridges by Type, Bhutan, June 2014

(Length in m)

Type of Bridges	Number	%	Length	%
Permanent bridges	186	55.4	5,536.70	52.1
RCT Beam / T-Girder	70	20.8	1,414.30	13.3
RC Slab	29	8.6	521.25	4.9
Pre-Stressed Concrete	14	4.2	721.00	6.8
Rc Arch	3	0.9	265.00	2.5
Composite	20	5.9	376.00	3.5
Steel Pony Truss	4	1.2	190.00	1.8
Steel Langar Arch	6	1.8	494.45	4.7
Steel Hamilton	10	3.0	313.60	3.0
Steel Truss / Girder	13	3.9	774.60	7.3
M-Cell Box Culvert	5	1.5	216.00	2.0
Submersible	7	2.1	193.50	1.8
RCC bridges on GC Roads	5	1.5	57.00	0.5
Temporary (semi-permanent)bridges	126	37.4	4,156.17	32.3
Bailey Bridges	92	27.3	2,750.69	25.9
Bailey SN	1	0.3	310.98	2.9
Bailey bridges on Farm Roads	14	4.2	374.99	3.5
Bailey bridges on GC & Farm Roads	19	5.6	719.51	6.8
All Bridges	**312**	**92.8**	**9,692.87**	**84.4**

Source: Bridge Division, DoR , MoWHS, Thimphu.

Table 8.2: Number of Pedestrian Bridges Constructed Since 5th Five Year Plan by Dzongkhag, May, 2015

Dzongkhag	Five Year Plans periods								Total Constructed (I -XI)	Percent (I -XI)	Existing Bridge as of present
	IV & Before	V	VI	VII	VIII	IX	X	XI			
Bumthang	1	7	3	4	2	2	1	0	20	3.77	18
Chhukha	3	5	1	3	4	2	4	1	23	4.33	16
Dagana	3	4	2	5	4	4	6	0	28	5.27	23
Gasa	0	0	2	2	2	1	0	0	7	1.32	3
Haa	3	6	1	4	2	0	1	1	18	3.39	15
Lhuentse	3	4	2	4	4	6	5	0	28	5.27	22
Monggar	9	5	2	5	6	7	7	0	41	7.72	33
Paro	3	8	3	2	2	2	3	0	23	4.33	20
Pema Gatshel	5	11	2	4	6	4	5	0	37	6.97	28
Punakha	3	4	1	1	1	3	3	0	16	3.01	13
Samdrup Jongkhar	7	11	6	3	3	3	7	0	40	7.53	23
Samtse	9	15	2	1	4	2	4	3	40	7.53	32
Sarpang	6	8	5	0	5	3	1	0	28	5.27	19
Thimphu	1	1	3	3	0	4	2	0	14	2.64	9
Trashigang	8	10	2	4	7	7	2	1	41	7.72	30
Trashi Yangtse	3	6	4	3	3	3	7	0	29	5.46	25
Trongsa	4	6	3	4	1	2	2	1	23	4.33	17
Tsirang	5	4	1	2	2	1	1	0	16	3.01	13
Wangdue Phodrang	2	10	5	3	2	3	2	0	27	5.08	25
Zhemgang	1	5	4	4	5	6	4	3	32	6.03	27
Bhutan	**79**	**130**	**54**	**61**	**65**	**65**	**67**	**10**	**531**	**100.00**	**411**

Source: Rural Infrastructure Services Division, Department of Engineering Services , MoWHS, Thimphu.

Table 8.3: Number of Passengers Carried & Revenue Earned by Druk Air Flights by Area of Operation (2010-2014)

Area of Operation	2010	2011	2012	2013	2014
International	**132,615**	**166,264**	**193,405**	**208,125**	**210,338**
Paro to Kolkata	11,261	12,647	11,508	11,484	9,337
Kolkata to Paro	10,156	11,305	10,627	10,846	8,323
Paro to Bangkok	23,606	29,935	36,123	33,471	28,984
Bangkok to Paro	22,924	28,841	34,244	32,059	27,296
Paro to Dhaka	2,910	3,524	3,827	3,495	4,595
Dhaka to Paro	2,923	3,568	3,522	3,539	4,886
Paro to Delhi	11,288	16,273	18,431	18,667	18,280
Delhi to Paro	11,855	15,888	17,615	17,840	18,242
Paro to Kathmandu	10,386	13,377	16,273	18,721	21,515
Kathmandu to Paro	10,590	14,194	16,793	19,133	21,604
Kathmandu to Delhi	0	108	555	2,657	2,255
Delhi to Kathmandu	0	30	132	1,390	464
Kolkata to Bangkok	0	0	0	0	0
Bangkok to Kolkata	3	0	0	0	0
Dhaka to Bangkok	2,229	2,238	3,227	2,627	2,127
Bangkok to Dhaka	1,816	1,710	2,355	2,266	1,277
Gaya to Bangkok	685	202	658	551	701
Bangkok to Gaya	606	243	555	549	738
Paro to Gaya	718	1,180	558	507	992
Gaya to Paro	812	699	652	468	891
Paro to Bagdora	1,982	1,493	1,729	2,143	2,209
Bagdora to Paro	1,920	1,637	1,808	2,161	2,560
Bagdora to Bangkok	1,806	1,883	2,145	2,284	2,691
Bangkok to Bagdora	1,670	1,863	1,933	1,902	2,401
Paro to Guwahati	107	913	880	1,072	1,306
Guwahati to Paro	99	479	563	797	1,043
Guwahati to Bangkok	180	1,122	1,736	1,511	1,840
Bangkok to Guwahati	83	912	1,507	1,446	1,599
Paro to Singapore	0	0	1,409	3,831	3,915
Singapore to Paro	0	0	1,505	3,772	3,635
Kolkata to Singapore	0	0	190	3,213	3,877
Singapore to Kolkata	0	0	345	3,295	4,212
Kolkata to Dhaka	0	0	0	183	0

cont...

Table 8.3 cont...

Area of Operation	2010	2011	2012	2013	2014
Dhaka to Kolkata	0	0	0	245	0
Paro to Mumbai	...	...	...	...	3,187
Mumbai to Paro	...	...	...	...	3,356
Domestic	**0**	**60**	**878**	**2,766**	**3,007**
Paro to Bumthang	0	23	271	990	1,363
Bumthang to Paro	0	21	388	1,410	1,644
Paro to Gelephu	0	0	0	21	0
Gelephu to Paro	0	0	0	20	0
Paro to Younphula	0	6	120	175	0
Younphula to Paro	0	10	99	150	0
Total Passengers	**132,615**	**166,324**	**194,283**	**210,891**	**213,345**
Revenue (Nu.in millions)	**1,495**	**2,021**	**2,488**	**2,976**	**2,837**

Note : Revenue includes only total operating revenues.

Source: Druk Air Corporation Ltd., Thimphu.

Table 8.4: Number of Flights Made by Druk Air by International and Domestic by Area of Operation, (2010-2014)

Area of Operation	2010	2011	2012	2013	2014
International	**2,954**	**3,810**	**4,382**	**4,683**	**4,997**
Paro to Kolkata	218	269	285	279	271
Kolkata to Paro	224	234	276	277	267
Paro to Bangkok	353	406	476	446	479
Bangkok to Paro	353	406	478	448	439
Paro to Dhaka	121	131	149	132	144
Dhaka to Paro	112	122	146	126	130
Paro to Delhi	156	235	254	254	263
Delhi to Paro	159	233	243	253	231
Paro to Kathmandu	228	305	357	339	405
Kathmandu to Paro	230	300	357	336	370
Paro to Gaya	32	21	19	17	23
Gaya to Paro	32	20	19	18	24
Delhi to katmandu	0	38	23	84	117
kathmandu to Delhi	0	54	32	85	98
Bangkok to kolkata	0	0	0	0	0
Kolkata to Bangkok	0	1	1	0	0
Gaya to Bangkok	24	9	17	17	17
Bangkok to Gaya	24	8	17	17	17
Dhaka to Bangkok	105	109	129	96	99
Bangkok to Dhaka	93	99	127	96	85
Paro to Bagdora	105	107	111	135	149
Bagdora to Paro	104	102	111	133	130
Bagdora to Bangkok	105	102	104	125	146
Bangkok to Bagdora	102	100	104	126	139
Paro to Guwahati	17	103	105	94	106
Guwahati to Paro	18	104	103	96	105
Guwahati to Bangkok	17	104	105	95	104
Bangkok to Guwahati	18	88	103	96	105
Paro to Singapore	0	0	35	107	102
Singapore to Paro	0	0	35	107	100
Kolkata to Singapore	0	0	35	107	102
Singapore to Kolkata	0	0	26	102	100
Kolkata to Dhaka	0	0	0	20	0

cont...

Table 8.4 cont...

Area of Operation	2010	2011	2012	2013	2014
Dhaka to Kolkata	0	0	0	20	0
Paro to Mumbai	...	...	...	...	65
Mumbai to Paro	...	...	...	...	65
Domestic	**0**	**8**	**148**	**284**	**263**
Paro to Bumthang	0	3	56	118	132
Bumthang to Paro	0	3	56	118	131
Paro to Gelephu	0	0	0	1	0
Gelephu to Paro	0	0'	0'	1	0
Paro to Younphula	0	1	18	23	0
Younphula to Paro	0	1	18	23	0
All sectors	**2,954**	**3,818**	**4,530**	**4,967**	**5,260**

Note: Total number of flights includes both the Aircrafts AB 319 and ATR 42.
Source: Druk Air Corporation Ltd., Thimphu.

Table 8.5: Number of Passengers Carried & Revenue Earned by Tashi Air Flights by Area of Operation, (2013-2014)

Area of Operation	2013	2014
Paro to Kolkata	154	5,326
Kolkata to Paro	88	5,010
Paro to Bangkok	1,704	16,722
Bangkok to Paro	1,654	17,110
Kolkata to Bangkok	1236	16,876
Bangkok to Kolkota	812	16,628
Paro to Kathmandu	...	4,378
Kathmandu to Paro	...	4,009
Delhi to Paro	...	25
Total Passengers	**5,648**	**86,084**
Revenue (Nu.in millions)	**51.71**	**864.13**

Note : Revenue includes only total operating revenues.
Source: Bhutan Airlines Corporation Ltd., Thimphu.

Table 8.6: Number of Flights Made by Tashi Air by International and by Area of Operation, (2013-2014)

Area of Operation	2013	2014
Paro to Kolkata	16	353
Kolkata to Paro	15	351
Paro to Bangkok	77	388
Bangkok to Paro	78	387
Kolkata to Bangkok	16	353
Bangkok to Kolkota	15	351
Paro to Kathmandu	...	110
Kathmandu to Paro	...	110
Delhi to Paro	...	1
All sectors	**217**	**2,404**

Note: Flights includes Scheduled, Additional and Chartered Flights.
Source: Bhutan Airlines Corporation Ltd., Thimphu.

Table 8.7: Number of Driving Licenses Issued by Region, Bhutan, (2010-2014)

Region	2010	2011	2012	2013	2014
Thimphu	35,385	39,194	43,789	46,588	49,159
Phuentsholing	7,353	8,113	9,084	9,902	10,689
Gelephu	6,821	8,020	9,607	11,002	12,225
Samdrup Jongkhar	5,820	6,478	7,632	8,496	9,048
Monggar	...	...	...	...	134
PDL (Professional Driving Licence)	7,557	11,006	13,455	15,022	15,404
Total	**62,936**	**72,811**	**83,567**	**91,010**	**96,659**

Source: Road Safety and Transport Authority, MOIC, Thimphu.

Table 8.8: Number of Telephone Connection Capacity by Dzongkhag, (2011-2014)

Dzongkhag	2011	2012	2013	2014
Bumthang	755	734	712	662
Chhukha	3,997	3,797	3,662	2,763
Dagana	185	208	208	183
Gasa	17	32	50	45
Haa	385	400	403	356
Lhuentse	103	111	108	128
Monggar	854	868	793	705
Paro	1,835	1,921	1,910	1,768
Pema Gatshel	298	290	265	270
Punakha	594	619	650	552
Samdrup Jongkhar	1,197	1,251	1,112	1,063
Samtse	822	815	764	723
Sarpang	1,198	1,311	1,294	1,217
Thimphu	11,121	10,637	10,745	10,417
Trashigang	918	1,020	824	784
Trashi Yangtse	156	147	140	159
Trongsa	778	674	644	416
Tsirang	672	367	347	272
Wangdue Phodrang	1,092	1,355	1,501	1,057
Zhemgang	513	448	353	283
Bhutan	**27,490**	**27,005**	**26,485**	**23,823**

Source: Bhutan Infocom Media Authority, Thimphu.

Table 8.9: Number of Telephone Trunk Circuits, Bhutan, as of 06/06/2015

Sector	Type of Connection	No. of Circuits
Thimphu Softswitch- USA (TELCO)	Bothway	123
Thimphu Softswitch- Thimphu Bmobile	Bothway	678
Thimphu Softswitch- Phuentsholing (NEC)	Bothway	184
Thimphu Softswitch- Samtse (NEC)	Bothway	61
Thimphu Softswitch- Wangdue (E10)	Bothway	91
Thimphu Softswitch- Singapore (SINGTEL)	Bothway	26
Thimphu Softswitch- Thailand (CAT Telecom)	Bothway	30
Thimphu Softswitch- Thimphu Tashicell	Bothway	246
Thimphu Softswitch- Bangladesh (MIRT)	Bothway	29
Thimphu Softswitch- Nepal (NTC)	Bothway	38
Thimphu Softswitch- Samdrupjongkhar (Corvan)	Bothway	30
Thimphu Softswitch- London (British Telecom)	Bothway	19
Thimphu Softswitch- Thimphu Tashicell International	Bothway	61
Thimphu Softswitch- India (BSNL Chennai)	Bothway	122
Thimphu Softswitch- India (BSNL Delhi)	Bothway	122
Thimphu Softswitch- India (Airtel Chennai)	Bothway	91
Thimphu Softswitch- India (Airtel Mumbai)	Bothway	62
Thimphu Softswitch- India (RELIANCE)	Bothway	60
Thimphu Softswitch-Thimphu Druk Air (PRA)	Bothway	61
Thimphu Softswitch-Thimphu BPC (PRA)	Bothway	30
Thimphu Softswitch-Thimphu BOB (PRA)	Bothway	30
Thimphu Softswitch-Thimphu NRDCL (PRA)	Bothway	30
Thimphu Softswitch-Thimphu BT EPBAX (PRA)	Bothway	30
Thimphu Softswitch-Thimphu RBP (PRA)	Bothway	30
Thimphu Softswitch-Thimphu UNDP (PRA)	Bothway	30
Thimphu Softswitch-Thimphu LAND COMMISSION (PRA)	Bothway	30
Thimphu Softswitch-Thimphu BHUTAN HOTEL (PRA)	Bothway	30
Thimphu Softswitch- Thimphu DCCL (PRA)	Bothway	30
Thimphu Softswitch- Thimphu MoH (PRA)	Bothway	30
Thimphu Softswitch- Thimphu BTL (PRA)	Bothway	30
Thimphu Softswitch- Japan (KDDi) (VoIP)	Bothway	120
Thimphu Softswitch- Japan (KDDi) (ONLY JAPAN) (VoIP)	Bothway	4
Thimphu Softswitch- CAT Telecom (VoIP)	Bothway	80
Thimphu Softswitch- USA (TELCO) (VoIP)	Bothway	60
Trongsa - Zhemgang (corDECT)	Bothway	30

cont...

Table 8.9 cont...

Sector	Type of Connection	No. of Circuits
Trongsa - Zhemgang (corVAN)	Bothway	30
Trongsa - Phuntsholing (NEC)	Bothway	30
Phuentsholing - Samtse	Bothway	58
Total trunk lines (National, International and DAMA)		**2,876**

Source: Bhutan Infocom Media Authority, Thimphu.

Table 8.10: Number of Trunk Lines, Connection Capacities, Sets in Use & Mobile Subscribers, (2010-2014)

Details	2010	2011	2012	2013	2014
Trunk lines	3,498	3,677	3,465	3,392	2,906
Satellite Communications	677	762	823	871	783
International Lines	677	762	823	871	783
Digital Microwave	2,250	2,250	2,250	...	...
Digital Radio Concentrator System	...	...	...	...	...
DRMASS	120	120	...	...	...
VOIP (International)	...	...	...	...	264
SDH	120,960	120,960	...	...	...
Connection capacity	55,188	51,428	49,826	48,534	48,534
Telephone sets in use	26,361	27,488	27,005	26,485	26,952
B-Mobile Subscribers	3,05,215	3,83,089	4,21,715	406,353	454,543
Internet (B-mobile)	...	...	109,526	197,458	250,907
3 G	...	...	18,686	112,119	181,585
GPRS/EDGE	...	...	90,840	85,339	69,322
Internet (Druknet)	8,841	13,311	16,893	20,630	25,204
Broadband	8,675	13,113	16,666	20,391	24,904
Leased Line	166	198	227	239	300

Note: Digital Radio Concentrator System, DRMASS, VOIP and SDH systems has been removed therefore no figures on these.
The source also cannot provide data on Digital Microwave due to system migration(SAP) at BTL.
Trunk lines are inclusive of international trunk lines

Source: Bhutan Infocom Media Authority, Thimphu.

Table 8.11: Number of Telephone Trunk Calls and Revenue Earnings, Bhutan, (2010-2014)

Type of Call	2010	2011	2012	2013	2014
Domestic calls	19,085,989	23,976,142	20,762,924	27,790,081	16,744,884
International calls	957,168	882,272	802,764	918,797	588,679
India	784,701	723,032	666,529	779,853	495,364
Other	172,467	159,240	136,235	138,944	93,315
All calls	**20,043,157**	**24,858,414**	**21,565,688**	**28,708,878**	**17,333,563**
Revenue earnings (Nu. in Million)	**1,515**	**1,834**	**2,209**	**107**	**98**

Source: Bhutan Infocom Media Authority, Thimphu.

Table 8.12: Number of B-Mobile Trunk Calls and Revenue Earnings, Bhutan, (2012 - 2014)

Type of Call	2012	2013	2014
Total no. of subcribers	421,715	406,353	454,543
Domestic calls	...	...	...
International calls	...	...	...
India	...	...	...
Other	...	...	...
Mobile/GPRS subscribers	90,840	85,339	69,322
Mobile 3G	18,686	112,119	181,585
Revenue earnings (Nu.in Million)	**2,209**	**2,328**	**2,305**

Note : Since the Bhutan Telecom Ltd. did not have data recording system, they have no data for the past years, will be available only by Febuary 2014.

Source: Bhutan Infocom Media Authority, Thimphu.

Table 8.13: Number of Tashicell Trunk Calls and Revenue Earnings, Bhutan, (2010-2014)

Type of Call	2010	2011	2012	2013	2014
Total no. of subcribers	83,903	96,428	136,077	139,589	161,993
Domestic calls	26,725,740	383,117,819	55,516,712	65,016,115	19,307,646
International calls	3,580,560	5,051,474	7,096,986	8,186,128	6,805,167
India	3,222,360	4,546,327	6,742,137	7,776,822	6,540,465
Others	358,200	505,147	354,849	409,306	264,702
Mobile/GPRS subscribers	2,356	6,567	10,115	21,022	74,595
Revenue Earnings (Nu. in Million)	**280.98**	**400.01**	**422.24**	**482.70**	**750.70**

Note : The figures mentioned here for the domestic and international calls are counts not minutes of calls. And the figures includes both prepaid and postpaid calls made.

Source: Tashi Infocomm Ltd., Thimphu.

Table 8.14: Number of Postal Infrastructures, (2010-2014)

Postal Infrastructure	2010	2011	2012	2013	2014
General Post Offices	4	4	4	4	4
Post Offices	40	40	39	39	39
Community Mail Offices	30	30	41	41	41
Fax Offices	40	40	44	44	44
Total	**114**	**114**	**128**	**128**	**128**

Note : WT.Stations are merged with Telecommunication Division since july 1995, includes 3 stations installed at New Delhi, Dhaka and Kalingpong.
Fax Offices are Post Offices having fascimile services, they are not different establishment.

Source: Bhutan Postal Corp. Ltd., Thimphu.

Table 8.15: Volume of Mail, by Type of Article, (2010-2014)

Type of Service	2010	2011	2012	2013	2014
Domestic Mail					
Ordinary Mail	323,680	315,907	316,763	362,529	306,070
Registered	57,905	50,439	92,586	95,436	89,956
Parcel	1,108	1,615	1,869	1,668	1,033
Facsimile message	9,997	2,751	1,827	1,724	2,666
Newspapers	120,616	127,308	129,854	10,179	9,903
Local Urgent Mail (LUM)	132,241	159,674	197,445	176,278	145,787
Express mail service (EMS)	8,367	8,201	9,779	9,812	10,496
International Mail Dispatch					
Ordinary Mail	52,252	34,302	33,616	39,097	60,239
Registered	7,353	7,278	5,390	7,371	6,985
Parcel	325	191	238	69	56
FedEx	178	267	216	558	355
Facsimile message	433	343	109	164	183
Post Overnight Courier (POC)	2,677	3,156	5,736	2,816	2,786
Express mail service (EMS)	4,209	4,084	4,288	6,113	2,589
International Mail Receipt					
Ordinary Mail	185,428	228,708	224,133	283,732	246,223
Registered	9,700	8,651	8,408	6,773	8,040
Parcel	2,071	2,254	2,009	1,002	2,185
FedEx	1,588	1,306	2,316	1,635	1,101
Facsimile message	233	237	765	192	228
Post Overnight Courier (POC)	2,083	1,212	2,678	1,101	2,291
Express mail service (EMS)	7,360	7,520	8,534	5,033	6,087
Revenue Earnings (Nu. in million)	**99.86**	**111.47**	**102.19**	**125.53**	**115.40**
Total mail items	**929,804**	**965,404**	**1,048,559**	**1,013,282**	**905,259**

Source:Bhutan Postal Corp. Ltd, Thimphu.

Table 8.16: Financial Services, Number and Value of Money Order by Type, Bhutan, (2010-2014)

Type	2010	2011	2012	2013	2014
Total money orders					
Number of orders	104,514	94,604	46,873	50,757	33,906
Amount of orders	277,938,966	255,043,910	3,029,648	144,995,795	81,468,850
Domestic money order					
Number of orders	102,967	48,579	46,150	48,917	32,165
Amount of orders	273,978,772	131,688,271	125,103,857	131,017,148	65,421,740
International money order					
Dispatched					
Number of orders	1,517	707	721	614	1,740
Amount of orders	3,871,628	2,251,435	2,318,978	21,126,154	16,046,110
Receipts					
Number of orders	30	3	2	27	1
Amount of orders	88,566	8,500	1,475	237,000	1,000
Others					
Number of pensioners	1,006	1,229	1,438	1,632	1,723
Amount of pensioners	26,843,100	32,995,014	38,871,645	47,144,228	53,471,807
WUMT Receipts					
Numbers	...	...	...	13,450	16,295
Amount (USD)	...	...	...	6,800,000	7,516,253.49
WUMT Sent					
Numbers	...	...	...	1,433	1,310
Amount (USD)	...	...	...	300,000	420,030.38

Source:Bhutan Postal Corp. Ltd, Thimphu.

Table 8.17: Volume of Mail, by Type of Article, Tamu worldwide Shipping Private Ltd. Thimphu, (2010-2014)

Type of Service	2010	2011	2012	2013	2014
Domestic Mail					
Documents	25,000	29,000	31,536	67,000	25,000
Non-Documents	3,000	6,500	5,200	518,400	936,000
Local	2,500	3,900	4,120	65,000	65,000
Inbound (India & International)					
Documents	120	99	120	54,000	20,000
Non-Documents	70	60	50	35,000	250,000
Outbound (India & International)					
Documents	1,700	1,950	2,100	190,000	90,000
Non-Documents	750	800	900	25,000	350,000
Newspapers (Numbers)					
Kuensel	735,000	745,000	745,992	540,000	420,000
Bhutan Today	100,000	100,000	108,000	0	0
Bhutan Times	2,000	4,700	4,800	0	0
Business Bhutan	55,000	54,500	54,000	0	0
The Bhutanese	55,000	54,500	54,000	0	48,000
Revenue Earnings (Nu. in million)	**10.00**	**13.00**	**14.00**	**15.00**	**22.00**
Total Mail Items	**980,140**	**1,001,009**	**1,010,818**	**1,494,400**	**2,204,000**

Source: Tamu Worldwide Shipping Private Ltd. Thimphu Bhutan.

Table 8.18: Volume of Mail, by Type of Article, DHL,(2010-2014)

Type of Service	2010	2011	2012	2013	2014
Inbound					
Documents (DOX)	3,117	4,490	5,173	6,214	7,871
World wide Express (WPX)	878	932	1,028	1,716	3,511
Outbound					
Documents (DOX)	1,063	1,158	1,357	2,909	5,349
World wide Express (WPX)	421	671	823	539	4,613
Revenue Earnings (Nu. in million)	**3.64**	**5.26**	**5.97**	**6.53**	**222.60**
Total mail items	**5,479**	**7,251**	**8,381**	**11,378**	**21,344**

Source: DHL Courier Service, Thimphu.

Electricity is the main energy source of lighting in 88 percent of households in Bhutan as per the Bhutan Living Standard Survey (BLLS) 2012. It is also the most widely used sources of energy for cooking with 84 percent households. Electricity generation, though still relatively small in comparison with the rest of the world is growing in importance. Up until recently, electricity generation was based on small diesel generating and micro hydro stations, providing limited supply of electricity, which was supplemented by imports from India. The economy of the country is largely dependent on the development of Hydropower generations. Hydropower plants contribute significantly to the overall GDP Growth and economy, both during constructions and operation phases. With the commissioning of the first two units of Chhukha Hydro Projects in 1986, and the other two units in 1988 Bhutan substantially increased its electricity generation and became a significant exporter of electricity to India. The revenue earned from export of electricity is a significant contributor to the overall revenues of the kingdom.

The Chhukha Hydro power with the installed capacity of 336 MW, the Kurichu Hydro power with 60 MW and Basochu Hydro Power with 64 MW generated 1,797.83 MU, 368.03 MU and 306.33 MU respectively in 2014. With the commissioning of mega Tala Hydro Power Project with the installed capacity of 1,020 MW, there is a substantial increase in the energy generation of the country. During the year 2014 it has generated 4,675.03 Million Unit of electricity. In 2014, the total electricity generation was 7,164.16 Million Unit (MU). Domestic consumption of electricity has been marginal but should increase with the ongoing emphasis on Rural Electrification Programs. Other forms of energy such as the solar, wind and biomass energy are being explored.

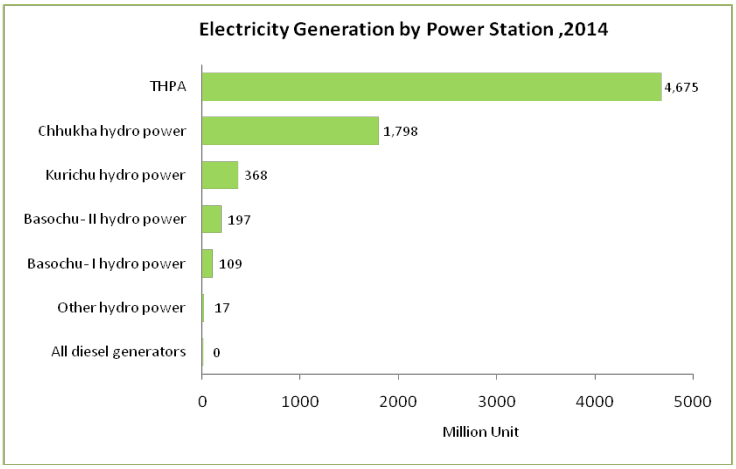


Table 9.1: Hydro Generating Stations and Their Capacities, Bhutan, (2012-2014)

Generating Stations	2012							
	Installed Capacity	Generating Capacity	Peak Generation	Energy Generation	Year of Commissioning	Installed Capacity	Generating Capacity	
	(No. x MW)	(MW)	(MW)	(GWh)		(No. x MW)	(MW)	
Large Hydroelectric plants								
Chhukha	4 x 84.00	360.000	360.000	1742.101	1986-88	4 x 84.00	360.000	
Kurichu (Mongar)	4 x 15.00	60.000	64.000	360.926	2001	4 x 15.00	60.000	
Basochu..I (W/phodrang)	2 x 12.00	24.000	24.000	105.819	2002	2 x 12.00	24.000	
Basochu..II (W/phodrang)	2 x 20.00	40.000	40.000	194.004	2004	2 x 20.00	40.000	
Tala (Chukha)	6 x 170.00	1020.000	1122.000	4405.479	2006-07	6 x 170.00	1020.000	
Total	1,480.00	1504.000		6808.329		1,480.00	1504.000	
Mini and Micro Hydels	**(No. x KW)**	**(KW)**	**(MW)**	**(GWh)**		**(No. x KW)**	**(KW)**	
Jushina (Thimphu)	4 x 90	270.000	0.255	1.333	1967	4 x 90	270.000	
Hesothangkha (Wangdue)	3 x 100	200.000	0.085	0.381	1972	3 x 100	200.000	
Chenari (Tashigang)	3 x 250	0.000	0.000	0.000	1972	3 x 250	0.000	
Gidakom (Thimphu)	5 x 250	816.000	0.965	5.335	1973	5 x 250	816.000	
Khalanzi (Mongar)	3 x 130	0.000	0.000	0.000	1976	3 x 130	0.000	
Chumey (Bumthang)	3 x 500	1000.000	0.890	3.141	1988	3 x 500	1000.000	
Gangzur (Lhuentse)	2 x 60	120.000	0.050	0.054	2000	2 x 60	120.000	
Rukubji (Wangdue)	1 x 40	40.000	0.013	0.076	1986-87	1 x 40	40.000	
Tangsibji (Trongsa)	1 x 30	30.000	0.017	0.023	1986-87	1 x 30	30.000	
Sherabling (Trongsa)	1 x 50	50.000	0.030	0.042	1986-87	1 x 50	50.000	
Bubja (Trongsa)	1 x 30	30.000	0.022	0.009	1986-87	1 x 30	30.000	
Tamzhing (Bumthang)	1 x 30	0.000	0.000		1986-87	1 x 30	0.000	
Ura (Bumthang)	1 x 50	50.000	0.000	0.000	1986-87	1 x 50	50.000	
Surey (Sarpang)	Dismantled	0.000	0.000	0.045	1986-87	Dismantled	0.000	
Kekhar (Zhemgang)				0.000		1 x 20	20.000	
Changchey (Tsirang)	2 x 100	200.000	0.036	0.110	1991	2 x 100	200.000	
Tingtibi (Zhemgang)	2 x 100	200.000	0.019	0.033	1992	2 x 100	200.000	
Darachhu (Dagana)	2 x 100	0.000	0.000	0.000	1992	2 x 100	200.000	
Lingzhi (Thimphu)	1 x 8	8.000	0.000	0.000	1999	1 x 8	8.000	
Rangjung (Tashigang)	2 x 1100	2200.000	1.743	3.849	1996	2 x 1100	2200.000	
Rongchu (Lhuentse)	2 x 100	200.000	0.150	0.531	2001	2 x 100	200.000	
Chendebji (Trongsa)	1 x 70	70.000	0.000	0.038	2005	1 x 70	70.000	
Sengor (Mongar)	1 x 100	100.000	0.000	0.028	2007	1 x 100	100.000	
Total	**8,098**	**5584.000**		**15.028**		**8,098**	**5804.000**	

Note : The generating capacity of power plants and their peak generation are not available, so the generating capacity and peak generation from last year (2011) where applicable has been used.

Source:Department of Hydropower & Power Systems, MoEA, Thimphu.

2013				2014				
	Peak Generation	Energy Generation	Year of Commissi-oning	Installed Capacity	Generating Capacity	Peak Generation	Energy Generation	Year of Commissi-oning
	(MW)	(GWh)		(No. x MW)	(MW)	(MW)	(GWh)	
	360.000	1907.444	1986-88	4 x 84.00	366.000	368.000	1797.828	1986-88
	64.240	378.603	2001	4 x 15.00	60.000	66.400	368.028	2001
	24.000	117.737	2002	2 x 12.00	24.000	24.000	109.252	2002
	40.000	212.648	2004	2 x 20.00	40.000	40.000	197.081	2004
	1122.000	4914.591	2006-07	6 x 170.00	1020.000	1122.000	4675.032	2006-07
		7531.023		1,480.00	1510.000		7147.222	
	(MW)	(GWh)		(No. x KW)	(KW)	(MW)	(GWh)	
	0.255	1.213	1967	4 x 90	270.000	...	0.929	1967
	0.085	0.420	1972	3 x 100	200.000	...	0.377	1972
	0.000	0.000	1972	3 x 250	0.000	...	0.000	1972
	0.965	4.529	1973	5 x 250	816.000	...	3.829	1973
	0.000	0.000	1976	3 x 130	0.000	...	0.000	1976
	0.890	2.251	1988	3 x 500	1000.000	...	0.382	1988
	0.050	0.017	2000	2 x 60	120.000	...	0.021	2000
	0.013	0.081	1986-87	1 x 40	40.000	...	0.040	1986-87
	0.017	0.049	1986-87	1 x 30	30.000	...	0.019	-do-
	0.000	0.000	1986-87	1 x 50	50.000	...	0.000	-do-
	0.000	0.000	1986-87	1 x 30	30.000	...	0.000	-do-
	...	0.000	1986-87	1 x 30	0.000	...	0.000	-do-
	...	0.070	1986-87	1 x 50	50.000	...	0.059	-do-
	...	...	1986-87	Dismentled	0.000	...	...	-do-
	...	...	-do-	1 x 20	20.000	...	...	-do-
	0.036	0.095	1991	2 x 100	200.000	...	0.328	1991
	0.019	0.149	1992	2 x 100	200.000	...	0.625	1992
	...	0.041	1992	2 x 100	200.000	...	0.221	1992
	...	...	1999	1 x 8	8.000	...	...	1999
	1.743	9.108	1996	2 x 1100	2200.000	...	9.321	1996
	0.150	0.340	2001	2 x 100	200.000	...	0.537	2001
	...	0.114	2005	1 x 70	70.000	...	0.136	2005
	...	...	2007	1 x 100	100.000	...	0.107	2007
		18.477		**8,098.000**	**5804.000**		**16.932**	

Table 9.2: Details of Diesel Generator Sets, Bhutan, 2014

Generating stations/ Locations	2014				
	No of Machines	No. & Capacity of Machines (No.X MW)	Total Capacity (MW)	Energy Generated (KWh)	Year of Commissioning
		(No.X MW)	(MW)	(MU)	
Thimphu	7	1X625	4204.0	0.00	1978
		2X318		0.00	1980
		1X1188		0.00	1982
		1X1250		1000.00	1984/85
		1X380		917.21	...
		1X125		0.00	1999-00
Paro	1	1X110	110.0	0.00	1977
Chhukha	2	1X380	505.0	5040.00	1966
		1X125		0.00	1979
Tsirang	3	1X380	600.0	0.00	1969
		1X60		0.00	1991
		1X160		0.00	1999-00
Trongsa	1	1X380	380.0	0.00	1976
Sarpang	4	1X350	1246.0	0.00	1991
		1X318		0.00	1991
		1X515		0.00	1991
Monggar	1	1X380	380.0	560.00	1999-00
		1X63		0.00	1983
Zhemgang	2	1X380	430.0	352.00	1999-00
		1X50		0.00	1983
Dagana	1	1X380	380.0	0.00	1991
Trashigang	2	1X100	127.0	0.00	1998/99
		1X27		0.00	1999-00
Samdrup Jongkhar	2	1X380	410.0	0.00	1999-00
		1X30		0.00	1991
Bumthang	3	1X380	1140.0	0.00	1998
		1X380		0.00	1999-00
		1X380		0.00	1999-00
Trashi Yangtse	1	1X380	380.0	2512.00	1999-00
Pema Gatshel	1	1X380	380.0	0.00	1999-00
Samtse	1	1X60	60.0	0.00	2000-01

cont...

Table 9.2 cont...

Generating stations/ Locations	2014				
	No of Machines	No. & Capacity of Machines (No.X MW)	Total Capacity (MW)	Energy Generated (KWh)	Year of Commissioning
		(No.X MW)	(MW)	(MU)	
Total			10,732.0	10381.21	
Other Diesel sets					
Penden Cement Authority Ltd.	2	2X1000	2,000.0	...	1981/84
Bhutan Board Products Ltd.	2	1X160	160.0	...	...
		1X349	349.0		
Chukha Hydro Power Plant	4	2X450	900.0	...	...
		2X280	560.0		
Bhutan Ferro Alloys Ltd.	2	2X380	760.0	...	1995
Bhutan Carbide & Chemical Ltd.	3	3X125	375.0	...	1987
Basochu Hydro Power Plant	1	1X130	130.0	...	2000
Kurichu Hydro Power Plant	3	2X320	640.0	...	1998/00
		1X500	500.0		2007
Tala Hydro Power Plant	1	1X2500	2,500.0	...	2006/07
S.D.Eastern Bhutan Ferro Silicon Pvt.Ltd.	2	2X125	250.0	...	2007/08
Total			**9,124.0**	**...**	

Source: Department of Hydropower & Power Systems, MoEA, Thimphu.

Table 9.3: Major Transmission Lines, 2014

Stations	2014								
	400 KV Line D/C	220 KV Line S/C	220 KV Line D/C	132 KV Line S/C	66 KV Line S/C	66 KV Line D/C	66 KV Line Q/C	UG	Remarks
Tala- Khogla	24.615	...	...	...	...	...	...	...	
Tala- Malbasse - Pugli	49.528	...	...	...	...	...	...	...	
CHP- Gedu- Indian border	...	...	35.780	...	...	...	...	...	
CHP- Gedu- Malbasse	...	29.841	...	...	...	...	...	...	
Malbase- Indian border	...	4.075	...	...	...	...	...	...	
CHP- Semtokha (II)	...	54.010	...	...	...	...	...	...	
Simtokha- Rurichu	...	44.900	...	...	...	...	...	...	Charged at 66 kV
Rurichu - Tsirang	...	46.600	...	...	...	...	...	...	Charged at 66 kV
Malbase- Singhigaon Fdr-I	...	1.706	...	...	...	...	...	...	
Malbase- Singhigaon Fdr-II	...	2.607	...	...	...	...	...	...	
Malbase- Samtse	...	...	40.550	...	...	...	...	...	Capitalized in 2014
Gyelposhing - Kilikhar	...	...	...	10.060	...	...	...	...	
Kilikhar - Kanglung	...	...	...	29.705	...	...	...	...	Realigned at Kilikhar
Kilikhar - Tangmachu	...	...	...	42.800	...	...	...	...	Charged at 33 kV
Gyleposhing - Nangkor	...	...	...	31.080	...	...	...	...	Relocated KP20 & KP21 in 2013
Nangkor - Deothang	...	...	...	23.300	...	...	...	...	
Nangkhor - Nganglam	...	...	...	33.793	...	...	...	...	Realigned at Denchi in 2012

cont...

Table 9.3 cont...

Stations	2014								
	400 KV Line D/C	220 KV Line S/C	220 KV Line D/C	132 KV Line S/C	66 KV Line S/C	66 KV Line D/C	66 KV Line Q/C	UG	Remarks
Nganglam - Tintibi	...	...	...	83.330	...	...	...	...	
Tintibi - Gelephu	...	...	...	45.740	...	...	...	...	
Gelephu - Indian border	...	...	...	0.100	...	...	...	...	
Deothang - Motanga	...	...	...	10.500	...	...	...	...	
Montanga - Indian border	...	...	...	1.500	...	...	...	...	
Tintibi - Yurmoo	...	...	...	32.628	...	...	...	...	Charged at 33 kV
CHPC - Gedu	...	...	...	...	20.400	...	...	...	
Gedu - Phuntsholing	...	...	...	...	16.700	...	...	...	
Phuntsholing - Malbasse	...	...	...	...	8.986	...	...	...	
Phuntsholing - Gomtu	...	...	...	...	26.900	...	...	...	
CHPC - Chumdo	...	...	...	...	36.980	...	...	...	
Chumdo - Khasadrapchu	...	...	...	...	4.780	...	...	...	
Khasadrapchu - Olakha	...				11.740			1.000	UG Cable at IT Park 2013
Chumdo - Haa	...	...	...	...	33.400	...	...	...	
Chumdo - Paro	...	...	...	...	24.010	...	...	...	
Semtokha - Lobeysa	...	...	...	...	24.430	...	...	...	Realigned at Dochula
Semtokha - Olakha	...	...	...	...	1.700	...	...	...	
Hebesa - Rurichu	...	...	...	...	3.080	...	...	...	
Semtokha - Dechenchholing	...	...	...	...	11.450	...	...	...	
Khasadrapchu - Jemina	...	...	...	...	...	5.960	...	...	
Lobeysa - Rurichhu	...	...	...	...	20.300	...	...	...	

cont...

Table 9.3 cont...

Stations	2014								
	400 KV Line D/C	220 KV Line S/C	220 KV Line D/C	132 KV Line S/C	66 KV Line S/C	66 KV Line D/C	66 KV Line Q/C	UG	Remarks
Tie - Line - Watsa	...	...	...	...	0.500	...	...	...	
Yurmoo - Trongsa	...	...	...	...	20.940	...	...	...	Charged at 33 kV
Yurmoo - Bumthang	...	...	...	...	34.856	...	...	...	Charged at 33 kV
Malbase Multi Circuit	...	...	...	...	...	...	3.405	...	
Tsirang - Jigmeling	...	...	30.565	...	...	...	...	...	
Tsirang - Dagachu Port head yard	...	...	20.202	...	...	...	...	...	
Jigmeling - Pelrithang (Lodrai)	...	...	10.420	...	...	...	...	...	Charged at 132 kV
Tshendengang - Dagapela (LILO)	...	...	4.457	...	...	...	...	...	
Pasakha Industrial Area	...		...	...	...	...	...	5.018	UG Cable at Pasakha IA
Samtse - Sibsoo	...	...	...	...	...	26.958	...	...	Capitalized in 2014
Samtse - Gomtu	...	...	...			14.851	...	...	Capitalized in 2014
Total	**74.143**	**183.739**	**141.974**	**344.536**	**301.152**	**47.769**	**3.405**	**6.018**	**1015.280**

Note : D/C stands for double circuit and S/C for single circuit.

cont...

Source:Department of Hydropower & Power Systems, MoEA, Thimphu.

Table 9.4: Monthly Revenue From Sale of Energy from Chhukha Power Plant, (2011-2014)

(Nu. in Million)

Month	2011			2012			2013			2014		
	Export	Internal	Total	Export	Internal	Total	Export	Internal	Total	Export	Internal	Total
January	90.69	4.66	95.35	91.95	5.29	97.24	33.91	5.72	39.64	81.71	81.71	163.42
February	78.24	3.92	82.16	73.28	4.65	77.93	43.12	4.91	48.03	42.63	40.92	83.55
March	76.90	4.09	80.99	89.82	4.80	94.62	75.69	4.50	80.19	69.12	38.53	107.65
April	109.97	3.12	113.08	173.57	4.13	177.71	154.44	4.33	158.77	93.26	29.86	123.12
May	223.82	3.41	227.23	188.64	3.61	192.26	294.40	4.35	298.75	231.78	16.88	248.66
June	394.62	3.31	397.93	323.13	3.76	326.89	503.40	4.13	507.52	445.31	0.00	445.31
July	585.17	3.66	588.84	553.33	4.04	557.37	522.35	4.17	526.53	630.46	0.00	630.46
August	566.49	3.79	570.28	572.00	4.09	576.09	576.10	3.31	579.42	630.43	0.00	630.43
September	480.72	3.68	484.41	551.90	4.14	556.04	533.68	3.21	536.89	612.75	0.00	612.75
October	435.68	4.07	439.75	367.13	4.78	371.92	484.96	0.00	484.96	480.12	0.75	480.87
November	231.98	4.72	236.70	152.01	5.27	157.28	241.97	23.21	265.18	229.08	22.17	251.25
December	144.93	5.05	149.98	78.50	5.71	84.20	133.90	38.91	172.81	0.00	37.99	37.99
Total	**3,419.21**	**47.49**	**3466.70**	**3,215.28**	**54.27**	**3269.55**	**3,597.91**	**100.76**	**3698.67**	**3,546.63**	**268.81**	**3815.44**

Note : Internal refers to the sale of energy by BPC only.

Source:Department of Hydropower & Power Systems, MoEA, Thimphu.

Table 9.5: Monthly Revenue From Sale of Energy From Tala Power Plant, (2011-2014)

(Nu. in Million)

Month	2011			2012			2013			2014		
	Export	Internal	Total	Export	Internal	Total	Export	Internal	Total	Export	Internal	Total
January	83.20	12.86	96.07	79.46	13.74	93.20	35.63	14.04	49.67	76.97	112.58	189.55
February	44.57	11.87	56.45	41.13	12.93	54.06	22.06	12.81	34.87	26.27	107.63	133.90
March	42.24	12.25	54.49	62.18	13.71	75.88	38.34	14.78	53.12	39.32	117.71	157.03
April	89.29	11.16	100.46	236.86	11.87	248.72	209.44	13.45	222.89	42.43	126.99	169.42
May	301.09	11.08	312.18	248.77	12.66	261.43	505.25	14.00	519.25	324.96	102.86	427.82
June	720.65	10.72	731.36	603.94	11.82	615.76	1,076.00	13.24	1089.24	771.78	52.97	824.75
July	1,297.12	11.06	1308.18	1,368.53	12.08	1380.60	1,420.89	13.59	1434.49	1,401.89	0.00	1401.89
August	1,286.58	12.71	1299.29	1,434.27	12.24	1446.51	1,409.97	13.60	1423.57	1,417.43	0.00	1417.43
September	1,140.23	12.36	1152.59	1,241.37	12.83	1254.20	1,015.07	13.38	1028.45	1,373.63	0.00	1373.63
October	687.04	12.67	699.70	590.78	14.22	605.00	879.15	22.11	901.26	710.27	55.94	766.21
November	289.30	13.28	302.58	219.85	13.52	233.37	350.73	85.87	436.61	249.81	114.41	364.22
December	154.60	13.16	167.76	97.81	14.27	112.08	149.58	116.47	266.05	102.21	142.10	244.31
Total	**6135.92**	**145.19**	**6281.11**	**6224.95**	**155.87**	**6380.82**	**7112.11**	**347.34**	**7459.45**	**6536.96**	**933.18**	**7470.14**

Note :Internal refers to the sale of energy by BPC only.

Source: Department of Hydropower & Power Systems, MoEA, Thimphu.

Table 9.6: Monthly Revenue From Sale of Energy From Kurichu Power Plant, (2011-2014)

(Nu. in Million)

Month	2011			2012			2013			2014		
	Export	Internal	Total	Export	Internal	Total	Export	Internal	Total	Export	Internal	Total
January	(4.67)	19.91	15.24	0.00	17.42	17.42	0.00	25.06	25.06	0.00	40.16	40.16
February	(2.64)	15.11	12.47	0.00	15.44	15.44	0.00	17.99	17.99	0.00	38.48	38.48
March	(2.83)	18.46	15.63	0.00	18.88	18.88	0.00	24.83	24.83	0.00	39.28	39.28
April	8.35	15.75	24.10	15.46	16.71	32.18	3.89	20.11	24.00	0.00	31.34	31.34
May	32.04	15.48	47.52	32.91	17.22	50.13	44.00	14.39	58.39	19.78	29.23	49.01
June	47.51	14.12	61.63	49.82	16.07	65.89	51.21	15.16	66.37	33.55	26.53	60.07
July	42.66	13.77	56.43	51.60	15.96	67.56	60.37	12.83	73.20	44.70	24.90	69.60
August	47.03	15.33	62.36	51.56	16.80	68.36	56.49	15.46	71.94	41.86	27.40	69.26
September	47.47	15.57	63.04	37.38	14.64	52.02	55.27	16.04	71.31	41.30	26.14	67.44
October	37.44	15.79	53.23	39.89	16.34	56.24	44.96	19.49	64.46	20.37	30.93	51.31
November	15.50	15.95	31.45	6.56	18.49	25.05	13.59	21.62	35.21	0.00	32.86	32.86
December	0.11	19.41	19.52	0.00	22.87	22.87	0.00	27.94	27.94	0.00	43.60	43.60
Total	**267.97**	**194.64**	**462.62**	**285.17**	**206.85**	**492.02**	**329.77**	**230.90**	**560.68**	**201.55**	**390.85**	**592.40**

Internal refers to the sale of energy by BPC only.

Source: Department of Hydropower & Power Systems, MoEA, Thimphu.

Table 9.7: Details of Domestic Electrical Energy Consumption, (2009/10-2014)

Details	2009/10	2011	2012	2013	2014
Towns electrified (numbers)	71	51	48	51	52
Villages electrified (numbers)	1,998	3,300	2,601	3,240	3,675
Total Consumers (numbers)	95,500	116,400	131,700	146,500	149
Sales of energy (Nu.in million)	1498.0	2830.0	3096.9	3346.6	3959.8
Per capita energy consumption (Units)	2392.9	2419.9	2572.2	2625.0	2798.8

Note : Per capita energy consumption for 2013 is based on population of
Source: BPC, Thimphu.

The tourism industry in Bhutan began in 1974. The government agency, erstwhile Bhutan Tourism Corporation, controlled tourism until its privatization in 1991. The revenue generation from the tourism sector has increased from over USD 2 million in the late 1980's to over USD 73 million in 2014.

The tourism industry in Bhutan enjoyed continued growth rate with the tourist arrivals in the country rising steadily during the 1990s through 2000, while in 2001 there was a comparative decrease in tourist arrivals owing to terrorism and outbreak of SARS. However, the industry saw growing number of international tourist arrival thereafter. In 2008 tourist arrivals had grown significantly than the usual trends owing to the Coronation and the Centenary celebrations where Bhutan had unprecedented media coverage. Also the Smithsonian festival in 2008 also put Bhutan into the international limelight and must have contributed to the growth in numbers.

The total visitor arrivals both international and regional, to Bhutan peaked at 133,480 in 2014 which shows a growth rate of 14.85 percent comparing to previous year. Among Bhutan's top ten source markets, in 2014 the largest growth in tourist arrivals was observed among Thai tourist with a substantial 246 percent increase. Chinese tourists increased by 70 percent compared to the previous year which is the second largest growth rate. There was also significant increase in growth rates from other countries such as UK (17 percent), Germany (8 percent) and France (5 percent) after slumping by varying degrees in the previous year. The growth rates declined for tourists from the USA and Malaysia.

There is unequal distribution of tourist arrival in Bhutan in terms of time of their visit. Majority of tourist arrivals are in the month of May, October and December. Paro, Thimphu and Punakha received the largest number of tourist in 2014, also recorded maximum bed nights by Dzongkhag. "Culture and Nature" has always been the Unique Selling Proposition (USP) for the tourism industry of Bhutan.

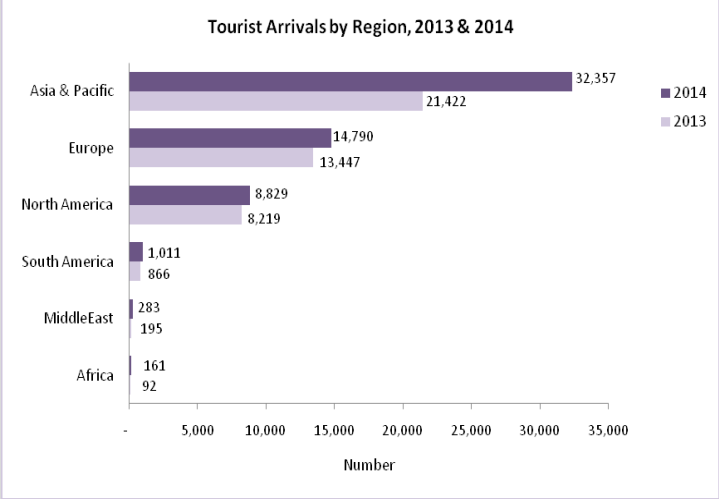


Table 10.1: Annual International Tourist Arrivals by Country and Region, Bhutan, (2010-2014)

(Numbers)

Country	2010	2011	2012	2013	2014
Africa	**101**	**92**	**93**	**92**	**161**
Algeria	0	0	0	1	2
Benin	1	1	0	0	1
Chad	1	3	2	0	2
Egypt	10	0	0	0	2
Ethiopia	0	0	0	1	0
Ghana	0	0	0	1	0
Ivory Coast	0	0	0	2	1
Kenya	4	6	2	5	7
Liberia	0	0	0	0	0
Madagascar	0	0	0	1	0
Mauritania	0	0	0	1	1
Mauritius	1	14	0	4	9
Morocco	0	0	1	1	2
Mozambique	0	0	0	1	0
Namibia	1	1	5	6	6
Nigeria	0	3	4	2	5
Niger	0	0	0	0	5
Reunion	0	0	0	0	0
Senegal	0	0	0	0	1
Seychelles	0	0	1	1	0
Somalia	0	0	0	0	0
South Africa	70	62	77	59	109
Sudan	0	1	0	0	0
Swaziland	3	0	0	0	0
Tanzania	3	1	0	0	0
Tunisia	0	0	0	4	8
Uganda	1	0	0	1	0
Zambia	0	0		0	0
Zimbabwe	0	0	0	1	0
Asia & Pacific	**8,692**	**15,119**	**21,528**	**21,422**	**32,357**
Afganisthan	0	0	2	0	0
American Samoa	70	0	0	0	0
Australia	1,318	1,773	1,926	2,043	2,037
Azerbaijan	0	1	0	0	0

cont...

Table 10.1 cont...

Country	2010	2011	2012	2013	2014
Bangladesh	0	0	0	0	0
Brunei Darussalam	1	3	1	8	7
Burma	0	0	12	0	11
Cambodia	0	0	3	3	1
China	1,494	2,896	3,766	4,764	8,111
Chinese – Macau	3	0	0	0	0
Djibouti	0	0	0	0	1
Fiji	0	0	0	6	0
Indonesia	110	295	202	579	619
Japan	2,963	3,943	6,967	4,015	2,707
Kazakhstan	0	15	3	0	4
Kyrgyzstan	0	1	1	1	7
Laos	0	4	2	11	0
Malaysia	356	788	1,307	2,029	2,067
Maldives	1	0	0	0	1
Mongolia	1	7	3	0	10
Myanmar	1	3	12	5	0
Nepal	60	145	150	168	203
New Zealand	105	144	192	211	193
North Korea	0	3	11	2	3
Pakistan	2	2	12	6	10
Phillipines	119	128	243	238	206
Singapore	785	1,349	1,605	2,037	1,720
South Korea	182	407	630	596	858
Sri Lanka	30	6	17	15	27
Taiwan	184	891	801	1102	1268
Thailand	875	2,235	3,573	3,494	12,105
Uzbekistan	1	0	2	0	0
Vietnam	31	80	85	95	181
Europe	**11,751**	**13,886**	**14,234**	**13,447**	**14,790**
Albania	0	2	0	0	0
Andorra	1	1	6	2	1
Armenia	0	10	1	4	5
Austria	505	528	611	653	578
Belarus	2	1	11	12	2
Belgium	404	539	505	514	574
Bosnia	0	2	1	0	0
Bulgaria	11	11	14	24	68

cont...

Table 10.1 cont...

Country	2010	2011	2012	2013	2014
Croatia	1	6	15	14	8
Cyprus	5	4	7	3	4
Czech Republic	71	135	148	160	195
Denmark	412	430	332	202	188
Estonia	31	2	12	16	23
Finland	174	245	112	144	120
France	1,454	1,585	1,847	1,561	1,636
Georgia	0	0	5	1	2
Germany	2,250	2,287	2,880	2,753	2,971
Gibraltar	1	0	0	0	0
Greece	88	70	60	48	57
Hungary	65	45	69	108	127
Iceland	0	7	5	1	5
Ireland	59	78	72	64	112
Italy	1,028	1,014	786	750	837
Latvia	9	44	32	17	10
Liechtenstein	0	3	5	3	2
Lithuania	7	44	3	18	37
Luxembourg	23	33	38	54	71
Macedonia	0	0	0	0	1
Malta	5	4	9	0	23
Moldova	0	0	2	0	1
Monaco	0	0	6	1	0
Montenegro	0	1	1	0	0
Netherlands	847	933	993	785	363
Norway	136	214	142	219	245
Poland	268	311	240	289	289
Portugal	116	214	118	223	145
Russia	275	291	365	392	450
Romania	52	35	19	34	55
Serbia	2	2	5	2	8
Slovakia	32	38	36	37	72
Slovenia	64	11	41	28	8
Spain	528	727	789	488	944
Sweden	137	256	241	267	284
Switzerland	789	781	932	1065	1298
Turkey	100	66	208	167	259
Ukraine	27	81	44	33	32

cont...

Table 10.1 cont...

Country	2010	2011	2012	2013	2014
United Kingdom	1,772	2,795	2,466	2,291	2,680
Yugoslavia	0	0	0	0	0
Middle East	**145**	**326**	**209**	**195**	**283**
Bahrain	0	1	0	3	1
Iran	1	4	1	4	5
Israel	127	278	172	168	251
Jordan	1	21	3	4	0
Kuwait	2	8	8	0	8
Lebanon	5	4	5	6	10
Oman	1	2	5	1	1
Qatar	0	0	0	2	2
Saudi Arabia	0	2	12	6	2
United Arab Emirates	8	5	3	1	2
Yemen	0	1	0	0	1
North America	**6,141**	**7,511**	**7,199**	**8,219**	**8,829**
Canada	786	1,061	999	1055	1297
Mexico	166	224	193	237	241
USA	5,189	6,226	6,007	6,927	7,291
South America	**365**	**545**	**680**	**866**	**1,011**
Antigua	0	1	0	0	0
Argentina	40	80	88	113	119
Bahamas	1	0	0	1	2
Bolivia	0	0	2	2	2
Brazil	229	304	462	556	583
Belize	1	1	0	0	1
Chile	18	45	40	89	157
Colombia	27	45	40	41	64
Costa Rica	10	1	5	2	5
Cuba	0	1	0	0	0
Dominican Republic	4	0	2	5	4
Ecuador	1	0	4	5	1
El Salvador	0	2	0	1	3
Granada	0	1	0	0	0
Guatemala	0	11	0	10	12
Guyana	0	0	0	2	0
Haiti	0	1	0	0	0
Hondurus	2	0	0	1	0
Jamaica	3	1	0	4	2

cont...

Table 10.1 cont...

Country	2010	2011	2012	2013	2014
Nicaragua	0	0	0	1	3
Panama	0	2	8	3	1
Paraguay	1	0	0	0	3
Peru	19	12	6	6	22
Saint Kitts and Nevis	0	0	0	1	3
Surinam	0	0’	0	1	0
Trinidad and Tobago	4	3	1	0	6
Uruguay	1	0	7	1	6
Venezuela	3	34	15	21	12
Virgin Islands U.S	1	0	0	0	0
Total arrivals	**27,195**	**37,479**	**43,943**	**44,241**	**57,431**

Note: The total number of tourist arrivals here shows only dollar paying tourist.
Source: Tourism Council of Bhutan, Thimphu.

Table 10.2: Tourist Arrivals By Country of Residence and Revenue Receipts, Bhutan, (2010-2014)

(Numbers)

Region	2010	2011	2012	2013	2014
North America	6,141	7,511	7,199	8,219	8,829
South America	365	545	680	866	1,011
Asia and Pacific	8,692	15,119	21,528	21,422	32,357
Europe	11,751	13,886	14,234	13,447	14,790
Africa	101	92	93	92	161
Middle East	145	326	209	195	283
All regions (persons)	**27,195**	**37,479**	**43,943**	**44,241**	**57,431**
Tourism revenue receipts [1]					
Ngultrums (million)	1,645.37	2,226.66	3,355.40	3,483.06	4,392.00
Or					
US Dollars (million)	35.98	47.68	62.80	63.49	73.20

Note : [1] The revenue receipts includes only for the International Tourist.
Source: Tourism Council of Bhutan, Thimphu.

Table 10.3: Number of Tourist Arrivals by Season and Month, Bhutan, (2009-2014)

Season & Month	2009	2010	2012	2013	2014
Winter	**4,291**	**8,375**	**14,692**	**24,365**	**27,412**
November	2,607	4,432	7,039	10,758	10,238
December	1,017	2,277	4,294	9,535	11,910
January	667	1,666	3,359	4,072	5,264
Spring	**7,258**	**10,046**	**20,753**	**28,138**	**25,586**
February	811	2,125	4,086	5,753	5,154
March	2,184	4,401	6,977	10,704	7,572
April	4,263	3,520	9,690	11,681	12,860
Summer	**3,365**	**8,009**	**20,104**	**26,882**	**32,178**
May	1,743	3,559	9,011	12,647	14,018
June	764	2,618	7,207	9,252	10,221
July	858	1,832	3,886	4,983	7,939
Autumn	**8,566**	**14,569**	**23,042**	**36,859**	**49,078**
August	1,220	2,442	5,013	7,233	12,295
September	3,020	4,927	7,305	9,466	12,815
October	4,326	7,200	10,724	20,160	23,968

Note: The total number of tourist arrivals here shows dollar paying tourist, regional high end tourist, international business and regional business tourist. Data not available from the source for the year 2011.
Source: Tourism Council of Bhutan, Thimphu.

Table 10.4: Percentage of Tourist Arrivals by Purpose of Visit, Bhutan, 2014

Purpose	%
Holiday	80.2
Conference	5.5
Business	4.7
Visiting friends/relatives	2.7
Official	1.6
Study and Research	0.9
Study Exchang Program	0.8
Pilgrimage	0.8
Retreat	0.6
Others	2.2

Source: Tourism Council of Bhutan, Thimphu.

Table 10.5: Total Number of Tourist Arrivals by Dzongkhag, 2014

Dzongkhag	No. of visitors
Bumthang	12,327
Chhukha	4,826
Dagana	18
Gasa	480
Haa	2,801
Lhuntse	230
Monggar	2,464
Paro	56,528
Pema Gatshel	96
Punakha	43,003
Samdrup Jongkhar	2,056
Samtse	3
Sarpang	179
Thimphu	55,383
Trashi Yangtse	672
Trashigang	2,272
Trongsa	6,957
Tsirang	8
Wangdue Phodrang	18,256
Zhemgang	205

Source: Tourism Council of Bhutan, Thimphu.

Table 10.6: Top Ten Tour Operators by Number of Tourists, Bhutan, 2014

Tour Operator	Tourists
Norbu Bhutan Travel Private Limited	27,752
Bhutan Tourism Corporation Ltd.	13,188
Etho Metho Tours and Treks Ltd.	9,852
All Bhutan Connection	9,631
Druk Aisa Tours and Treks	9,594
Hapiness Kingdom Travels	9,393
Luxury Division (BTCL)	9,232
Yangphel Adventure Travel	8,510
Wind Horse Tours, Treks and Expe	7,072
Kingyal Tours	5,913

Source: Tourism Council of Bhutan, Thimphu.

Table 10.7: Top Ten Accomodation Providers by Bed Nights, 2014

Accomodation Providers	Bed Nights
Meri Phensum Resort – Punakha	14,386
Olathang Hotel – Paro	14,219
Phuntsho Pelri Hotel - Thimphu	11,170
Tashi Namgay Resort - Paro	11,163
Tenzinling Resort - Paro	11,039
Damchen Resort - Punakha	9,158
Uma Resort – Paro	8,951
Zhiwaling Hotel - Paro	8,939
Dewachen - Wangdue Phodrang	7,893
Taj Tashi - Thimphu	7,551

Source: Tourism Council of Bhutan, Thimphu.

Table 10.8: Total Number of Accommodation Providers by Bed Nights by Dzongkhag, 2014

Dzongkhag	Bed Nights
Bumthang	30,663
Chhukha	5,082
Dagana	20
Gasa	2,998
Haa	3,629
Lhuntse	341
Monggar	3,548
Paro	127,550
Pema Gatshel	142
Punakha	58,317
Samdrup Jongkhar	2,314
Samtse	3
Sarpang	480
Thimphu	96,157
Trashi Yangtse	860
Trashigang	4,498
Trongsa	7,850
Tsirang	8
Wangdue Phodrang	25,498
Zhemgang	541

Source: Tourism Council of Bhutan, Thimphu.

Table 10.9: Top Ten Markets by Sex, Bhutan, 2014

Purpose	Sex	
	% Male	% Female
Thai	70.5	29.3
Chinese	62.9	37.0
American	55.6	44.1
German	52.2	47.6
Japanese	54.4	45.5
British	51.0	48.9
Malaysian	63.6	36.2
Australian	56.7	43.0
Singapore	64.5	35.3
French	55.4	44.3

Source: Tourism Council of Bhutan, Thimphu.

The importance of foreign trade statistics is instrumental in gauging the overall economic performance in relation with other countries. Foreign Trade Statistics are vital to the policy maker, the economic planner and the public in general. The data related to merchandise is being compiled by the Department of Revenue and Custom, Ministry of Finance and the services by the Royal Monetary Authority of Bhutan.

Balance of Payments statistics are designed to show the difference between the total payments made to foreign countries and the total receipts from foreign countries. Thus, it provides systematic summary of economic transaction, for a specific time period, between an economy and the rest of the world. The transactions included goods, services, income, transfers and financial claims. Balance of payments statistics in Bhutan are compiled by the Royal Monetary Authority based on information from its own accounts and those of the Banks, together with information on imports and exports.

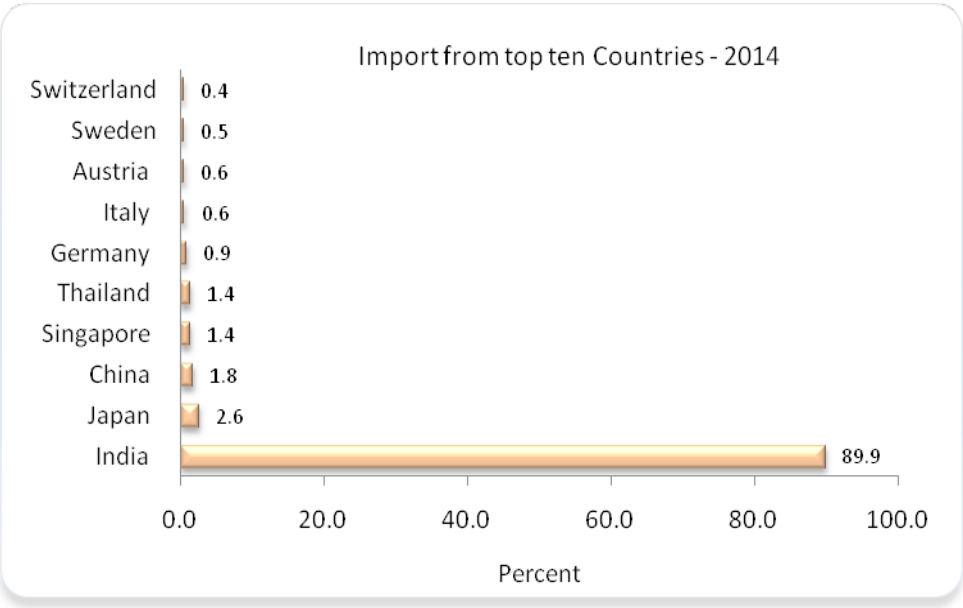


Table 11.1: Balance of Trade, Bhutan, (2010 - 2014)

(Nu. in Million)

Trade	2010	2011	2012	2013	2014
Exports	29,324.39	31,485.95	28,600.13	31,852.98	24,951.36
India	26,000.89	26,377.97	26,627.35	28,979.16	21,167.81
Third Countries	3,323.50	5,107.98	1,972.78	2,873.82	3,783.55
Imports	39,084.09	48,697.64	53,089.62	53,272.99	56,565.52
India	29,338.00	35,201.07	41,834.29	43,889.37	47,528.60
Third Countries	9,746.09	13,496.57	11,255.33	9,383.62	9,036.92
Balance of trade	(9,759.70)	(17,211.69)	(24,673.48)	(21,420.01)	(31,614.16)
India	(3,337.11)	(8,823.10)	(15,210.94)	(14,910.21)	(26,360.79)
Third Countries	(6,422.59)	(8,388.59)	(9,462.54)	(6,509.80)	(5,253.37)

Note : Figures within bracket indicate deficit (-).

Source : Bhutan Trade Statistics, Department of Revenue & Customs, Ministry of Finance.

Table 11.2: Top Ten Commodities of Exports, Bhutan, 2014

Commodity Description	Value (Nu. in Million)	Percent share
Containing by weight more than 55% of silicon (Ferro Silicon)	8,546.11	48.76
Other, of rectangular (other than square) cross-section (Semi-finished products of Iron)	2,414.24	13.77
Portland Pozzolana Cement	1,161.69	6.63
Of Calcium (Calcium Carbide)	1,096.24	6.25
Neither crushed nor ground (Cardamoms)	789.19	4.50
Other, of free-cutting steel (Bars and rods of iron)	753.17	4.30
Of Silicon (Silicon carbide)	733.55	4.19
Other (Potatoes)	688.79	3.93
Gypsum; anhydrite	681.87	3.89
Cement clinkers	662.76	3.78
Total	**17,527.61**	**100.00**

Source : Bhutan Trade Statistics, Department of Revenue & Customs, Ministry of Finance.

Table 11.3: Top Ten Commodities of Imports, Bhutan, 2014

Commodity	Value (Nu. in Million)	Percent share
Other light oils and preparations (Diesel)	5,865.98	31.88
Parts, including regulators (Parts, including regulators of Hydraulic turbines and water wheels)	2,582.39	14.04
Ferrous products obtained by direct reduction of iron ore	2,400.00	13.04
Motor spirit (gasolene) including aviation spirit (Petrol)	1,826.52	9.93
Other (Wood Charcoal)	1,387.31	7.54
Husked (brown) Rice	1,101.33	5.99
Coke and semi-coke (Of coal)	871.74	4.74
Other coal	851.23	4.63
Containing indentations, ribs, grooves or other deformations produced during (Forged bars and rods of iron or non-alloy steel)	822.96	4.47
Towers and lattice masts (Structures and parts of iron)	689.14	3.75
Total	**18,398.62**	**100.00**

Source : Bhutan Trade Statistics, Department of Revenue & Customs, Ministry of Finance.

Table 11.4: Direction of Trade by Import Ranking Order, Top Ten Country, 2014

Country	Value (Nu. in Million)	Percent share
India	47,528.60	89.89
Japan	1,388.24	2.63
China	948.90	1.79
Singapore	719.61	1.36
Thailand	719.50	1.36
Germany	476.16	0.90
Italy	314.11	0.59
Austria	295.09	0.56
Sweden	244.20	0.46
Switzerland	237.28	0.45
Total	**52,871.69**	**100.00**

Source : Bhutan Trade Statistics, Department of Revenue & Customs, Ministry of Finance.

Table 11.5: Direction of Trade by Export Ranking Order, Top Ten Country, 2014

Country	Value (Nu. in Million)	Percent share
India	21,167.81	85.53
Bangladesh	1,661.89	6.72
Germany	597.10	2.41
Italy	477.66	1.93
Hong Kong	252.91	1.02
Netherlands	227.67	0.92
Nepal	178.49	0.72
Turkey	83.33	0.34
Singapore	61.69	0.25
Belgium	39.50	0.16
Total	**24,748.03**	**100.00**

Source : Bhutan Trade Statistics, Department of Revenue & Customs, Ministry of Finance.

Table 11.6: Overall Balance of Payments Estimates, Bhutan, FY 2009/10 To 2013/14

(Nu. in Million)

Item	2009/10	2010/11 (r)	2011/12 (p)	2012/13	2013/14
A. Current Account	**(14,863.50)**	**(23,621.43)**	**(19,774.27)**	**(7,256.39)**	**(28,831.39)**
Exports cif	24,480.09	30,160.10	30,997.44	29,931.47	32,879.96
Imports, cif	(37,048.36)	(50,995.44)	(50,878.07)	(31,754.77)	55,306.91
Trade balance	(12,568.27)	(20,835.34)	(19,880.62)	(1,823.29)	(22,426.95)
Services	(3,315.76)	(4,283.13)	(4,749.95)	(2,900.22)	(5,380.01)
Credit	3,210.04	3,703.82	5,146.02	6,837.03	8,126.16
Debit	(6,525.80)	(7,986.95)	(9,895.97)	(9,737.25)	13,506.17
Primary Income	(3,335.66)	(4,709.69)	(5,922.37)	(9,248.56)	(7,127.62)
Credit	762.44	753.63	875.13	965.86	1,164.18
Debit	(4,098.11)	(5,463.31)	(6,797.51)	(10,214.42)	8,291.80
Secondary Income	4,356.19	6,206.72	10,778.68	6,715.68	6,103.19
Credit	6,434.98	8,562.24	12,907.31	8,684.69	7,333.20
Of Which, Budgetary Grants	4,669.70	6,540.05	9,020.72	4,716.15	3,856.53
Debit	(2,078.79)	(2,355.52)	(2,128.64)	(1,969.00)	1,230.01
B. Capital Account	**6,985.56**	**7,609.68**	**4,755.13**	**14,458.99**	**16,901.74**
o/w Budgetary Grants for Investment	3,920.56	3,957.68	3,436.53	4,698.63	7,541.54
C. Financial Account	**(8,933.90)**	**(18,632.71)**	**(15,222.08)**	**(17,956.09)**	**(14,556.68)**
Other Investment	5,523.22	17,076.30	13,948.99	17,723.73	13,771.56
o/w RGOB loans, net	4,358.95	11,974.74	11,435.14	18,447.09	18,993.61
o/w Other loans, net	443.99	4,618.73	2,950.76	201.42	(5,770.28)
D. Net Errors and Omissions	**3,354.01**	**(1,823.42)**	**(9,271.37)**	**(15,946.53)**	**3,441.73**
E. Overall balance	**4,409.95**	**797.54**	**(9,068.42)**	**9,212.16**	**6,068.77**

Note : i. Segregation of budgetary grants into Secondary Income and Capital Transfers carried out from FY 2006/07 onwards.

ii. Net acquisition of financial assets minus net incurrence of financial liabilities; (+) figure denotes net lending and (-) figure denotes net borrowing; Excludes reserve assets.

iii. Includes hydropower loans and accrued interest. Note on general sign convention: (+) = increase in assets or liabilities; (-) = decrease in assets or liabilities.

iv. Launched for the first time in FY 2012/13, Bhutan's BOP statistics have been revised in line with IMF BPM6 methodology (from FY 2006/07 onwards), replacing BPM5 methodology. Revisions were made under the IMF-JSA project to improve external sector statistics in the Asia-Pacific region and also includes other improvements in data coverage and classifications that were carried out in 2013. Please refer to Section I Economic Review 3. External Sector for details.

Source : Royal Monetary Authority of Bhutan, Thimphu

Table 11.7: Gross International Reserves (End Period), Bhutan, 2009/10 To 2013/14

(Nu. in Million)

Item	2009/10	2010/11	2011/12	2012/13	2013/14
1.Rupee reserves	1,378.56	774.60	1,516.27	11,352.24	10,133.27
Royal Monetary Authority of Bhutan	137.25	91.20	229.88	10,706.43	9,493.07
Bank of Bhutan Ltd.	922.98	329.40	857.25	229.83	447.91
Bhutan National Bank Ltd.	196.26	99.50	171.79	56.46	61.91
TBank Ltd.	50.00	39.80	53.27	115.72	74.91
Druk PNB Ltd.	72.07	214.70	204.07	243.79	55.47
Bhutan Development Bank Ltd.	...	...	...	...	...
2.Convertible currency reserves (US $)	729.85	778.86	647.37	726.71	829.26
Royal Monetary Authority of Bhutan	698.46	731.77	623.61	692.68	789.15
Bank of Bhutan Ltd.	15.36	35.14	8.95	21.58	22.71
Bhutan National Bank Ltd.	15.85	9.99	14.17	10.61	14.80
TBank Ltd.	0.00	0.21	0.11	0.12	0.13
Druk PNB Ltd.	0.18	1.75	0.52	1.72	2.48
Bhutan Development Bank Ltd.	...	...	...	...	...
3.Total reserves(1+2) (US $)	759.43	796.18	674.29	916.86	997.89
4. Months of Merchandise Imports					
Total reserves	11.46	8.38	8.96	20.68	13.01
Rupee reserves	0.58	0.23	0.45	5.21	2.56
Convertible currency reserves	46.74	40.29	41.52	92.77	76.77

Note : Convertible currency reserves of RMA have been revised in 2013 to exclude the US dollar pledge on any outstanding overdraft as of each reference period. Reserves also exclude (from July 2007 onwards) the local currency component of Bhutan's IMF Quota and the Kuwait fund investment. (2) Data for 2012/13 are based on provisional import figures for 2012/13 and are subject to change.

Source: Royal Monetary Authority, Thimphu

Table 11.8: Monthly Average Exchange Rates, Ngultrum Per US $, (2010 - 2014)

Month	2010	2011	2012	2013	2014
January	45.96	45.40	51.35	54.31	62.08
February	46.33	45.40	49.16	53.75	62.25
March	45.50	45.00	50.32	54.39	61.01
April	44.50	44.40	51.80	54.38	60.36
May	45.81	44.90	54.44	55.03	59.31
June	46.56	44.90	56.03	58.33	59.73
July	46.84	44.40	55.53	59.78	60.06
August	46.57	45.30	55.56	63.21	60.90
September	46.06	47.60	54.56	63.64	60.88
October	44.41	49.30	53.02	61.63	61.35
November	45.02	50.80	54.78	62.71	61.68
December	45.16	52.70	54.65	61.95	62.71
Calendar year average exchange rate	45.73	46.70	53.43	58.59	61.47
Fiscal year	**2009/10**	**2010/11**	**2011/12**	**2012/13**	**2013/14**
Fiscal year average exchange Rate	46.65	45.30	50.27	54.86	61.47

Source: Royal Monetary Authority, Thimphu.

The sound growth of financial institutions plays pivotal role in developing countries in pursuit of economic growth responding to monetary problems to the government's task of nation building. The financial sector in Bhutan comprises of Royal Monetary Authority (Bhutan's Central Bank); the Bank of Bhutan, Bhutan National Bank and two private banks: Druk Punjab Bank and Tashi Bank both established in 2010. The non-bank financial institutions are the Royal Insurance Corporation of Bhutan, Bhutan Development Bank Limited and National Pension & Provident Fund.

The Royal Monetary Authority has developed a comprehensive statistical system for the money, banking and finance sector. The main element of the system is the monetary survey, which is a consolidation of the accounts of the Royal Monetary Authority and other Banks and Financial Institutions showing the financial relationship between these institutions and other sectors of the economy. In addition, financial statements are also available for the two non-bank financial institution.

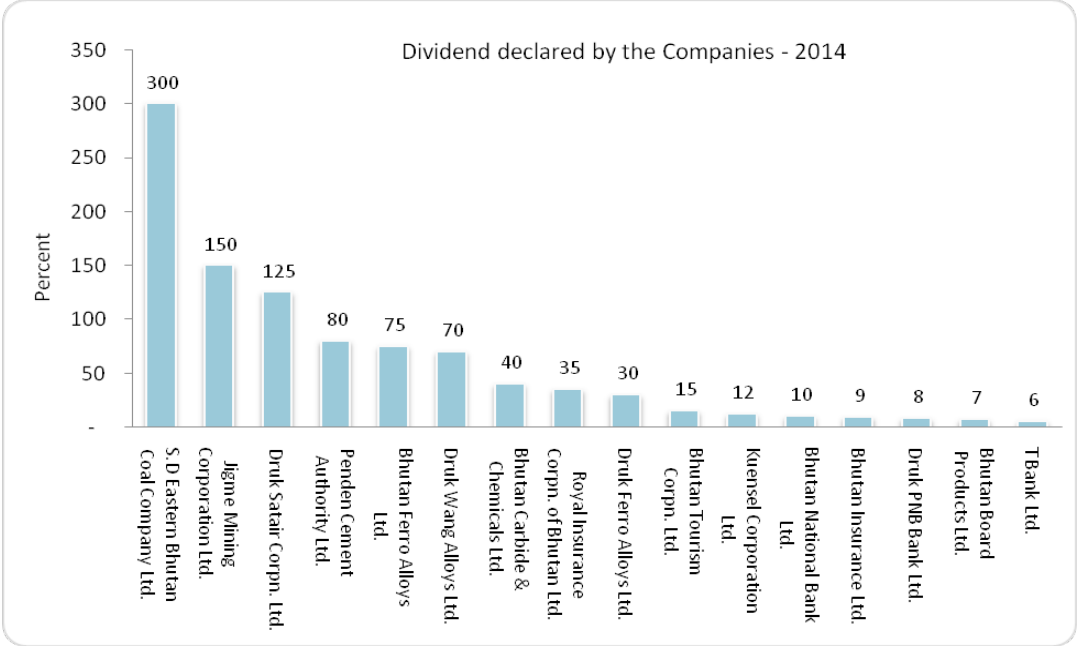


Table 12.1: Monetary Survey: Royal Monetary Authority, Bhutan National Bank, Bank Of Bhutan, Bhutan Development Bank, Druk PNB Bank and T Bank, (2010-2014)

(Nu. in Million)

Item	2010	2011	2012	2013	2014
Assets total	71,193.26	79,600.87	87,180.89	99,352.28	120,531.16
Foreign Assets(net)	42,030.76	39,290.67	36,209.35	51,342.67	69,081.59
Rupee	3,069.06	(1,902.26)	(14,920.23)	(3,757.20)	11,034.15
Others	38,961.70	41,192.92	51,129.58	55,099.87	58,047.44
Domestic Credit	29,162.50	40,310.21	50,971.54	48,009.60	51,449.57
Claims on Government (net)	(2,060.36)	(1,198.89)	4,167.37	(2,388.52)	(5,013.40)
Claims on Other Public Sector [1]	414.44	1,246.64	1,645.36	1,646.34	3,112.88
Claims on private sector [2]	30,808.42	40,262.46	45,158.81	48,751.77	53,350.09
Liabilities total	71,193.26	79,600.87	87,180.89	99,352.28	120,531.16
Broad money (M2)	51,112.05	53,228.61	56,222.88	58,209.85	73,366.10
Narrow Money (M1)	29,042.95	33,199.58	33,229.66	34,077.92	43,296.20
Nu. Outside Banks	5,608.53	6,910.56	5,254.43	5,406.20	5,671.59
Transferable Deposits	23,434.42	26,289.03	27,975.23	28,671.71	37,624.61
Other Deposits [3]	22,069.10	20,029.02	22,993.21	24,131.94	30,069.91
Other items(net)	20,081.21	26,372.27	30,958.01	41,142.42	47,165.05

Note : [1] It includes claims on Government Corporations and Other Public Corporations

[2] It includes claims on Non-bank financial institutions (NBFIs)

[3] Other Deposits includes time deposits plus foreign currency deposits

a. Starting from January 2003 onwards, a major reclassification has been carried out in the accounts of all the economic sectors. Data prior to 2003 cannot always be directly compared with the subsequent data, because of a break in continuity.

b. Broad money (M2)=M=Narrow Money+Other Deposits, Narrow Money (M1)=Nu. Outside banks+Transferable Deposits+NBFIs Deposits; Figures in the brackets ( ) are negative

c. The terms Demand Deposits and Quasi Money are replaced by Transferable Deposits and Other Deposits as per the International Monetary Fund's Monetary and Financial Statistics Manual, 2000

Source : Royal Monetary Authority of Bhutan, Thimphu.

Table 12.2: Monetary and Financial Statistics of Royal Insurance Corporation of Bhutan, (2010-2014)

(Nu. in Million)

Item	2010	2011	2012	2013	2014
Assets total	**5,584.08**	**6,446.50**	**7,222.99**	**8,283.38**	**10,885.42**
Reserves	330.10	223.10	306.86	232.31	880.26
Foreign Assets	1.76	1.39	2.35	26.30	36.71
Rupee	0.04	0.00	0.04	0.04	34.00
Others	1.72	1.35	2.30	26.25	2.70
Domestic Credit [1]	4,842.85	5,423.90	5,690.66	6,631.65	9,968.46
Claims on Government	62.12	...	...	...	...
Claims on Government Corps.	0.19	...	...	...	...
Claims on Public Sector [2]	69.09	14.00	13.98	13.48	38.98
Claims on private sector	4,708.46	5,406.90	5,673.68	6,582.67	8,283.53
Claims on NBFIs	3.00	3.00	3.00	35.50	42.83
Claims on DMBs	409.38	798.13	1,223.13	1,393.13	1,603.13
Liabilities total	5,584.08	6,446.55	7,222.99	8,283.43	10,885.42
Life fund	472.45	0.00	0.00	...	...
Private provident funds	308.26	0.00	0.00	...	...
Group Insurance Fund	498.44	0.00	0.00	...	...
Credit from DMBs	300.00	500.00	650.00	740.68	642.77
Credit from NBFIs	2,660.98	2,637.97	2,614.97	2,898.37	3,461.31
Capital accounts	974.42	1,210.52	1,507.06	1,764.56	1,991.01
Other items (net)	369.54	2,098.06	2,450.96	2,879.82	4,790.33

Note : [1] Domestic credit excluding the claims on DMBs

[2] With effect from January 1, 2011 Claims on Joint Corporations has been reclassified as Claims on Public Sector as per the new reporting format of the Financial Regulations and Supervision Department of the RMA

DMBs = Deposit Money Banks, NBFIs = Non Bank Financial Institutions.

Source: Royal Monetary Authority of Bhutan, Thimphu.

Table 12.3: Monetary and Financial Statistics of Bhutan National Bank Limited, (2010-2014)

(Nu. in Million)

Item	2010	2011	2012	2013	2014
Assets total	20,896.15	22,551.65	25,489.90	24,085.96	26,818.79
Reserves with RMA	6,127.68	4,394.62	4,643.99	4,815.36	6,004.22
Foreign Assets	734.17	929.41	2,446.54	1,002.65	820.87
Rupee	172.77	130.57	134.41	206.43	482.06
Others	561.40	798.83	2,312.13	796.22	338.82
Domestic Credit	14,030.56	17,227.62	18,399.37	18,267.95	19,993.70
Claims on Government	527.00	527.00	527.00	105.37	997.78
Claims on Government Corps	234.28	0.37	...	...	115.33
Claims on Public Sector[1]	7.58	585.9	592.26	791.30	767.61
Claims on private sector	13,261.70	15,892.42	17,260.87	17,347.39	18,092.37
Claims on NBFIs	3.73	221.92	19.23	23.89	20.61
Liabilities total	20,896.15	22,551.65	25,489.90	24,085.96	26,818.79
Demand Deposits (Current and saving Deposits)	7,370.46	6,479.31	5,309.39	6,478.48	7,861.42
Time Deposits	14,288.77	11,240.27	11,715.85	9,424.53	10,327.59
Foreign currency Deposits	320.32	525.89	690.67	542.72	307.74
Capital accounts	1,794.05	4,077.96	6,087.99	6,264.77	7,129.63
Other items (net)	(2,877.45)	228.21	1,686.00	1,375.46	1,192.41

Note : [1]With effect from January 1, 2011 Claims on Joint Corporations has been reclassified as Claims on Public Sector as per the new reporting format of the Financial Regulations and Supervision Department of the RMA

Source: Royal Monetary Authority Bhutan, Thimphu.

Table 12.4: Monetary and Financial Statistics of Bhutan Development Bank Limited, December, (2010-2014)

(Nu. in Million)

Item	2010	2011	2012	2013	2014
Assets total	3,937.24	5,046.89	6,678.76	9,360.87	15,188.26
Reserves With RMA	295.46	489.34	409.13	841.24	3,802.29
Foreign Assets	...	...	14.81	11.84	14.84
Rupee	...	...	14.81	11.84	14.84
Others	...	...	...	...	...
Domestic Credit	3,641.78	4,557.55	6,254.82	8,507.80	11,371.13
Claims on Govt.	...	...	...	...	...
Claims on Govt. Corporations	5.03	6.20	213.01	...	455.54
Claims on Public Sector1	0.88	1.38	7.38	7.381	18.756
Claims on private sector	3,635.88	4,549.97	6,034.44	8,500.42	10,485.56
Claims on NBFIs	...	3.00	...	...	411.27
Liabilities total	3,937.24	5,046.89	6,678.76	9,360.87	15,188.26
Demand Deposits (Current and Saving Deposits)	338.44	692.81	945.58	1,687.71	2,288.25
Time Deposits	147.04	728.75	2,691.44	3,411.48	7,630.44
Foreign Currency Deposits	...	...	...	...	...
Foreign Liabilities 2	...	...	...	...	...
Domestic Borrowing	1,417.95	1,330.52	1,278.68	1,308.51	1,067.11
Capital accounts	1,342.60	1,555.90	1,816.14	2,199.31	2,846.24
Other items(net)	691.21	738.91	(53.08)	753.85	1,356.22

Note : 1With effect from January 1, 2011 Claims on Joint Corporations has been reclassified as Claims on Public Sector as per the new reporting format of the Financial Regulations and Supervision Department of the RMA
2 Due to changes in the classification of foreign liabilities, the external borrowing of the BDBL has been reclassified as the domestic borrowing as this borrowing was onlent by Government to the BDBL

Source: Royal Monetary Authority of Bhutan, Thimphu.

Table 12.5: Monetary and Financial Statistics of Royal Monetary Authority of Bhutan, (2010-2014)

(Nu. in Million)

Item	2010	2011	2012	2013	2014
Assets total	42,963.26	40,782.09	53,286.19	59,044.72	75,684.23
Foreign assets	42,711.51	40,047.41	47,910.87	57,928.18	75,502.07
Indian rupee	4,919.35	273.76	137.28	5,746.52	19,731.01
Convertible Foreign Currency (Including Gold)	37,792.16	39,773.65	47,773.60	52,181.66	55,771.06
Claims on deposit money banks	232.00	715.28	3,457.00	1,104.05	166.09
Claims on Government	...	...	1,900.00	...	...
Claims of private sector	19.75	19.39	17.42	12.49	16.06
Liabilities total	42,963.26	40,782.09	53,286.19	59,044.72	75,684.23
Reserve money	27,248.63	21,173.43	19,148.35	21,953.07	34,746.44
Currency outside banks	5,608.53	6,910.56	5,254.43	5,406.20	5,671.59
Foreign Liabilities	3,000.00	3,000.00	16,363.48	10,136.43	10,000.00
Rupee	3,000.00	3,000.00	16,363.48	10,136.43	10,000.00
Others	...	...	...	...	...
Government deposits	4,110.76	2,782.77	2,322.41	5,279.42	8,049.98
RMA Bills Outstanding	1,021.41	43.95	29.92	...	...
Capital Account	3,183.09	3,096.43	2,878.66	2,834.87	3,261.22
Other items (net)	4,399.37	10,685.50	12,543.37	18,840.92	19,626.59

Source: Royal Monetary Authority of Bhutan, Thimphu.

Table 12.6: Monetary and Financial Statistics: Bank of Bhutan Limited, (2010-2014)

(Nu. in Million)

Item	2010	2011	2012	2013	2014
Assets total	27,908.61	24,766.03	27,571.83	30,367.15	39,496.06
Reserve with RMA	15,373.78	7,824.08	8,237.79	10,335.45	17,658.54
Foreign assets	815.93	1,188.90	1,579.67	2,170.60	2,098.74
Rupee	446.59	589.56	614.20	330.85	488.09
Other	369.34	599.35	965.47	1,839.74	1,610.65
Claims on Government	527.00	558.74	970.78	105.37	...
Claims on Government corpns.	124.61	482.93	722.49	773.25	1,167.27
Claims on public sector [1]	42.06	144.67	82.22	52.49	375.56
Claims on private sector	10,358.94	14,265.01	15,450.42	16,310.82	17,624.68
Claims on NBFIs	666.28	301.69	528.45	619.18	571.27
Liabilities total	27,908.61	24,766.03	27,571.83	30,367.15	39,496.06
Demand deposit	14,092.56	16,635.65	17,776.49	17,453.85	23,364.32
Time deposit	4,325.56	3,363.21	3,971.76	6,666.38	7,778.64
Foreign currency deposits	695.90	1,016.48	657.72	542.40	676.30
Capital accounts	2,596.51	3,046.24	3,451.42	3,776.93	4,614.17
Other items (net)	6,198.09	704.45	1,714.43	1,927.60	3,062.63

Note : [1]With effect from January 1, 2011 Claims on Joint Corporations has been reclassified as Claims on Public Sector as per the new reporting format of the Financial Regulations and Supervision Department of the RMA

Source: Royal Monetary Authority of Bhutan, Thimphu.

Table 12.7: Monetary and Financial Statistics of T-Bank Ltd, December, (2010- 2014)

(Nu. in Million)

Item	2010	2011	2012	2013	2014
Assets total	1,668.01	2,895.58	3,259.70	3,145.57	2,955.17
Reserve with RMA	429.51	588.12	889.21	879.06	424.32
Foreign assets	95.25	86.77	70.27	40.75	65.96
Rupee	90.28	84.08	65.03	32.61	42.07
Other	4.97	2.69	5.24	8.14	23.89
Domestic Credit	1,143.26	2,220.69	2,300.22	2,225.76	2,464.90
Claims on Government	...	...	...	...	40.00
Claims on Government Corps	...	...	...	...	...
Claims on Public Sector [1]	0.0	25.2	28.00	21.93	36.95
Claims on private sector	1,143.26	2,192.50	2,272.22	2,203.83	2,380.45
Claims on NBFIs	...	2.99	...	...	7.50
Liabilities Total	1,668.01	2,895.58	3,259.70	3,145.57	2,955.17
Demand deposit	181.22	450.07	766.75	516.22	925.30
Time deposit	453.69	1,318.88	1,533.23	1,231.79	1,265.62
Foreign currency deposits	...	...	...	...	13.09
Foreign liabilities	...	...	...	...	...
Rupee	...	...	...	...	...
Other	...	...	...	...	...
Government deposites	...	...	...	...	...
Capital accounts	119.67	274.35	356.90	396.28	565.76
Other items (net)	913.44	852.28	602.81	1,001.28	185.41

Note : [1]With effect from January 1, 2011 Claims on Joint Corporations has been reclassified as Claims on Public Sector as per the new reporting format of the Financial Regulations and Supervision Department of the RMA

Source: Royal Monetary Authority, Thimphu.

Table 12.8: Monetary and Financial Statistics: Druk PNB Bank Ltd., December ,(2010-2014)

(Nu. in Million)

Item	2010	2011	2012	2013	2014
Assets total	4,228.69	4,548.70	5,534.94	5,638.96	6,545.14
Reserve with RMA	1,835.90	1,693.98	1,317.87	1,381.61	2,049.87
Foreign assets	673.90	38.17	550.66	325.10	579.10
Rupee	440.08	19.77	477.53	50.99	276.08
Other	233.82	18.40	73.14	274.11	303.02
Domestic Credit	1,718.88	2,816.55	3,666.41	3,932.25	3,916.18
Claims on Government	0.0	0.0	90.64	198.50	...
Claims on Government corpns.	0.0	0.0	0.0	...	129.44
Claims on public sector [1]	0.0	0.0	0.0	...	46.42
Claims on private sector	1,568.47	2,781.42	3,389.41	3,547.03	3,639.35
Claims on NBFIs	150.41	35.13	186.35	186.72	100.96
Liabilities total	4,228.69	4,548.70	5,534.94	5,638.96	6,545.14
Demand deposit	1,451.74	2,031.18	3,177.03	2,535.45	3,185.32
Time deposit	1,599.06	1,817.42	1,731.74	2,063.35	1,843.01
Foreign currency deposits	238.77	18.12	0.80	249.29	227.48
Foreign liabilities	0.0	0.0	0.0	...	...
Rupee	0.0	0.0	0.0	...	...
Other	0.0	0.0	0.0	...	...
Credit from RMA	0.0	0.0	0.0	...	...
Capital accounts	296.80	496.74	767.79	791.39	977.82
Other items (net)	642.31	185.25	(142.42)	(0.52)	311.51

Note : [1] With effect from January 1, 2011 Claims on Joint Corporations has been reclassified as Claims on Public Sector as per the new reporting format of the Financial Regulations and Supervision Department of the RMA

Source: Royal Monetary Authority, Thimphu.

Table 12.9: Monetary and Financial Statistics: Bhutan Insurance Limited, December, (2010-2014)

(Nu. in Million)

Item	2010	2011	2012	2013	2014
Assets total	230.20	367.17	437.76	453.78	624.55
Reserves	60.89	23.61	32.82	47.96	81.58
Foreign Assets	...	...	...	...	...
Rupee	...	...	...	...	...
Others	...	...	...	...	...
Domestic Credit	169.31	343.57	404.93	405.82	542.97
Claims on Govt. (Net)	...	...	...	...	...
Claims on Govt. Corps.	...	...	...	...	...
Claims on public sector [1]	...	...	...	...	...
Claims on private sector	123.31	303.57	364.93	374.82	412.56
Claims on NBFIs	0.00	0.00	0.00	0.00	...
Claims on DMBs	46.00	40.00	40.00	30.00	130.41
Liabilities total	230.20	367.17	437.76	453.78	624.55
Life fund	50.01	...	...	...	...
Private provident funds	13.16	...	...	...	...
Group Insurance Fund	0.00	...	...	...	...
Credit from DMB	50.00	85.00	35.00	35.00	0.00
Credit from NBFIs	0.00	40.00	...	...	...
Capital accounts	109.73	127.34	264.08	272.94	417.37
Other items (net)	7.30	114.83	138.68	145.84	207.18

Note : [1] With effect from January 1, 2011 Claims on Joint Corporations has been reclassified as Claims on Public Sector as per the new reporting format of the Financial Regulations and Supervision Department of the RMA
NBFIs stands for Non Bank Financial Institutions; DMBs Deposit Money Banks

Source: Royal Monetary Authority of Bhutan, Thimphu.

Table 12.10: Investments of Financial Institutions by Industry, Amounts Outstanding, (2010-2014)

(Nu. in Million)

Industry	2010	2011	2012	2013	2014
Agriculture	499.45	843.23	1,193.82	1,745.42	2,653.64
Bank of Bhutan Ltd	2.99	3.30	2.32	0.82	0.70
Royal Insurance Corporation of Bhutan Ltd	...	...	...	...	...
Bhutan Development Bank Ltd	494.96	838.43	1,189.90	1,741.83	2,650.19
Bhutan National Bank Ltd	...	...	...	...	0.71
Druk PNB Bank Ltd	...	1.50	1.60	1.32	0.60
T Bank Ltd	1.50	...	...	1.45	1.46
Bhutan Insurance Ltd	...	...	...	...	...
Service and Tourism	5,917.77	5,239.20	6,374.50	7,040.60	8,827.20
Bank of Bhutan Ltd	3,076.13	1,855.30	2,073.00	1,780.21	2,509.35
Royal Insurance Corporation of Bhutan Ltd	126.23	78.20	110.00	148.59	246.81
Bhutan Development Bank Ltd	847.49	1,011.10	1,289.00	1,708.62	1,965.69
Bhutan National Bank Ltd	1,524.53	1,842.80	2,199.50	2,588.65	2,992.78
Druk PNB Bank Ltd	286.70	329.00	509.10	574.80	806.99
T Bank Ltd	56.68	122.70	193.90	222.93	288.78
Bhutan Insurance Ltd	...	0.00	0.00	16.80	16.80
Manufacturing	5,928.52	7,165.30	7,819.55	9,974.40	10,236.36
Bank of Bhutan Ltd	1,918.05	2,360.80	2,790.40	3,022.83	3,397.09
Royal Insurance Corporation of Bhutan Ltd	463.13	611.70	626.10	760.56	1,111.76
Bhutan Development Bank Ltd	513.19	533.30	605.20	714.55	801.18
Bhutan National Bank Ltd	2,714.96	2,976.20	3,016.40	4,737.69	4,094.74
Druk PNB Bank Ltd	101.34	539.20	493.70	513.04	631.15
T Bank Ltd	217.86	110.00	243.60	201.73	177.08
Bhutan Insurance Ltd	...	34.10	44.15	24.00	23.37
Building and construction	8,936.13	12,104.60	14,475.42	15,506.11	16,414.67
Bank of Bhutan Ltd	2,130.60	3,593.80	4,824.40	5,288.66	5,435.02
Royal Insurance Corporation of Bhutan Ltd	1,545.83	1,801.60	1,935.80	2,001.21	2,285.16
Bhutan Development Bank Ltd	440.43	525.20	685.90	1,013.88	1,469.64
Bhutan National Bank Ltd	4,118.84	5,089.70	5,710.60	5,739.82	5,774.98
Druk PNB Bank Ltd	279.88	681.60	877.70	962.31	953.86

Table 12.10 cont...

Industry	2010	2011	2012	2013	2014
T Bank Ltd	410.34	409.10	434.60	492.80	475.12
Bhutan Insurance Ltd	10.21	3.70	6.42	7.43	20.89
Trade and commerce	5,017.36	4,765.90	4,379.50	7,301.22	9,892.56
Bank of Bhutan Ltd	668.80	1,430.10	973.70	1,057.31	1,229.54
Royal Insurance Corporation of Bhutan Ltd	607.20	1,427.80	1,553.30	1,855.23	2,661.65
Bhutan Development Bank Ltd	325.80	408.60	534.10	803.67	1,120.76
Bhutan National Bank Ltd	2,766.42	354.00	404.00	2,598.98	3,857.38
Druk PNB Bank Ltd	466.91	681.50	470.30	466.38	468.76
T Bank Ltd	173.85	413.70	406.20	454.58	460.97
Bhutan Insurance Ltd	8.39	50.10	37.90	65.07	93.49
Transport	3,196.90	4,732.60	4,356.56	3,246.90	2,390.10
Bank of Bhutan Ltd	727.30	1,114.30	1,190.50	883.87	610.91
Royal Insurance Corporation of Bhutan Ltd	887.50	952.00	773.57	575.47	401.03
Bhutan Development Bank Ltd	272.50	376.60	349.58	247.55	260.64
Bhutan National Bank Ltd	872.00	1,457.20	1,281.32	955.32	680.90
Druk PNB Bank Ltd	170.40	242.10	214.94	158.46	109.72
T Bank Ltd	193.90	421.10	378.01	287.30	209.82
Bhutan Insurance Ltd	73.20	169.30	168.64	138.93	117.09
Personal loans	5,772.05	8,055.44	8,995.36	10,406.62	11,499.28
Bank of Bhutan Ltd	2,437.02	4,812.77	5,090.82	5,397.28	5,594.84
Royal Insurance Corporation of Bhutan Ltd	1,101.73	19.07	600.28	1,159.18	1,465.09
Bhutan Development Bank Ltd	723.72	835.16	1,567.76	1,963.78	2,320.19
Bhutan National Bank Ltd	1,039.14	1,082.51	732.70	884.57	1,044.73
Druk PNB Bank Ltd	109.08	123.52	524.00	565.43	524.26
T Bank Ltd	361.05	714.83	406.88	371.47	479.70
Bhutan Insurance Ltd	0.31	467.58	72.92	64.91	70.47
Loan Against Shares	221.11	490.80	569.43	577.40	702.59
Bank of Bhutan Ltd	1.44	159.50	144.16	130.47	181.41
Royal Insurance Corporation of Bhutan Ltd	54.43	25.50	28.65	41.13	68.56
Bhutan Development Bank Ltd	...	...	...	...	...
Bhutan National Bank Ltd	157.40	104.40	97.80	85.29	110.49
Druk PNB Bank Ltd	0.16	174.20	274.85	278.93	287.78
T Bank Ltd	7.69	19.40	16.37	12.90	12.43

cont...

Table 12.10 cont...

Industry	2010	2011	2012	2013	2014
Bhutan Insurance Ltd	...	7.80	7.60	28.68	41.92
Others	12.63	4,115.69	5,276.10	1,661.86	1,365.63
Bank of Bhutan Ltd	...	323.36	355.61	340.43	312.00
Royal Insurance Corporation of Bhutan Ltd	...	19.54	21.25	15.96	19.15
Bhutan Development Bank Ltd	...	24.79	26.00	306.54	352.81
Bhutan National Bank Ltd	...	3,678.07	4,417.69	576.17	211.89
Druk PNB Bank Ltd	...	44.87	209.51	213.10	133.95
T Bank Ltd	...	6.82	218.71	180.60	307.29
Bhutan Insurance Ltd	12.63	18.25	27.33	29.06	28.53
Total	**36,005.02**	**47,512.70**	**53,440.24**	**57,460.53**	**63,982.05**

Note : Loan availed by Ministry of Finance has been reported under Service and Tourism in case of BoB Manufacturing and Industry in case of BNB.

Source: Royal Monetary Authority of Bhutan, Thimphu.

Table 12.11: Interest Rates of Deposits In Financial Institutions, 2010 To 2014

(in percent)

Type of Deposit	2010	2011	2012	2013	2014
Savings	4.5	4.5	5.0	5.0	5.0
Fixed Deposit					
i) 3 months to less than 1 year	4.5	4.5	5.0	5.0	5.0
ii) 1 year to less than 2 years	6.0	6.0	7.0	7.0	7.0
iii) 2 years to less than 3 years	6.0	6.0	7.5	7.5	7.5
iv) 3 years less than 5 years	7.0	7.0	8.0	8.0	8.0
v) 5 years less than 7 years	7.0	7.0	8.5	8.5	8.5
vi) 7 years and above	7.0	7.0	8.8	8.8	8.8
For Institutions & Companies					
i) 91 days to less than 1 year	2.0	2.0	6.5	6.5	6.5
ii) 1 year to less than 2 years	...	...	7.0	7.0	7.0
iii) 2 years to less than 3 years	...	...	7.5	7.5	7.5
iv) 3 years to less than 5 years	...	...	8.0	8.0	8.0
v) 5 years to less than 7 years	...	...	8.5	8.5	8.5
vi) 7 years to less than 10 years	...	...	8.5	8.5	8.5
vii) 10 years to less than 12 years	...	...	8.5	8.5	8.5
viii) 12 years and above	...	...	8.5	8.5	8.5

Source: Bank of Bhutan, Thimphu

Table 12.12: Interest Rates and Repayment Period by Sector and Type of Loan, Financial Institutions, Bhutan, (2012-2014)

Sector	2012		2013		2014	
	Interest rate (% p.a)	Repayment period (yrs.)	Interest rate (% p.a)	Repayment period (yrs.)	Interest rate (% p.a)	Repayment period (yrs.)
Export Finance						
Convertible Currency (Upto 60 days of credit)	14.0	1 year	14.0	1 yr. subject to review renewal	14.0	1 yr. subject to review renewal
Convertible Currency (More than 60 days of credit)	15.0	2 years	14.0	1 yr. subject to review renewal	14.0	1 yr. subject to review renewal
General Trade	16.0	3 years	14.0	1 yr. subject to review renewal	14.0	1 yr. subject to review renewal
Buses and trucks						
Term Loan	11.73-12.33	1-7 years	11.73-12.33	1-7 years	11.73-12.33	1-7 years
Working Capital	...	...	..	...	..	...
Other Passenger vehicles	11.73-12.33	1-7 years	11.73-12.33	1-7 years	11.73-12.33	1-7 years
Agriculture and livestock	11.73-12.34	1-6 years	11.73-12.23	1-6 years	11.73-12.23	1-6 years
Manufacturing Industry						
Term Loan	11.73-13.13	1-15 years	11.73-13.13	1-15 years	11.73-13.13	1-15 years
Working Capital	11.73-13.14	1-15 years	14	1 yr. subject to review renewal	14	1 yr. subject to review renewal
Service Industries						
Term Loan	11.73-13.14	1-15 years	11.73-13.13	1-15 years	11.73-13.13	1-15 years
Working Capital	11.73-13.14	1-15 years	14	1 yr. subject to review renewal	14	1 yr. subject to review renewal
Personal Loans	15	5 years	15	1 year	15	1 year
Equity finance	11.73-12.23	1-6 years	11.73-12.23	1-6 years	11.73-12.23	1-6 years

cont...

Table 12.12 cont...

Sector	2012		2013		2014	
	Interest rate (% p.a)	Repayment period (yrs.)	Interest rate (% p.a)	Repayment period (yrs.)	Interest rate (% p.a)	Repayment period (yrs.)
Housing						
New Construction	11.73-14.63	1-20 years	12.73-14.63	1-20 years	12.73-14.63	1-20 years
Repair/Renovation	13.0	10 years	12.73-13.63	1-10 years	12.73-13.63	1-10 years
Purchase	...	...	12.73-13.13	1-15 years	12.73-13.13	1-15 years
Consumer Loans	11.73-13.33	1-7 years	12.73-13.33	1-7 years	12.73-13.33	1-7 years

Source: Bank of Bhutan, Thimphu

Table 12.13: Royal Securities Exchange of Bhutan Ltd. Number of Share Holders at The End Of December, 2010 - 2014

(In Numbers)

Company	2010	2011	2012	2013	2014
Bhutan Board Products Ltd. (BBPL)	494	494	487	487	480
Bhutan Carbide & Chemical Ltd. (BCCL)	259	258	259	259	259
Bhutan Ferro Alloys Ltd. (BFAL)	43	43	43	43	43
Bhutan Insurance Ltd. (BIL)	4,393	4,310	4,445	4,395	4,370
Bhutan National Bank Ltd. (BNBL)	4,308	4,415	4,523	4,519	4,521
Bhutan Polymers Company Ltd. (BPCL)	128	128	128	128	127
Bhutan Times Ltd. (BTL) [1]	289	289	288	288	...
Bhutan Tourism Corpn. Ltd (BTCL)	159	158	157	156	155
Druk Ferro Alloys Ltd. (DFAL)	471	467	460	459	457
Dungsam Polymers Ltd. (DPL) [2]	...	...	...	14,833	14,487
Druk plaster & Chemicals Ltd. (DPOP)	212	214	214	214	214
Druk PNB Bank (DPNB)	23,216	22,540	22,564	22,378	22,253
T Bank Ltd. (TBL)	...	8,066	7,909	7,955	7,864
Druk Satair Corporation Ltd. (DSCL)	1,277	1,276	1,272	1,267	1,266
Druk Wang Alloys Ltd. (DWAL)	501	498	498	496	494
Jigme Mining Corporation Ltd. (JMCL)	418	415	416	418	420
Kuensel Corporation Ltd. (KCL)	232	232	232	233	233
Penden Cement Authority Ltd. (PCAL)	1,467	1,456	1,449	1,447	1,425
Royal Insurance Corpn. of Bhutan (RICB)	1,553	1,536	1,524	1,506	1,494
S.D Eastern Bhutan Coal Company Ltd. (EBCC)	1,081	1,075	1,074	1,069	1,062
State Trading Corpn. of Bhutan Ltd. (STCB)	135	135	135	137	137
GIC-Bhutan Re-Limited (GBRL) [3]	...	...	...	...	1,230
Total	**40,636**	**48,005**	**48,077**	**62,687**	**62,991**

Note: [1] Delisted in November 2014, [2] Listed on August 2013 , & [3] Listed on August 2014
Source: Royal Securities Exchange of Bhutan Ltd, Thimphu.

Table 12.14: Royal Securities Exchange of Bhutan Ltd. Market Information at The End Of December, 2014

Company	Paid-Up Shares	Price per share (Nu)	Market capitalization (Nu)
Bhutan Board Products Ltd. (BBPL)	14,000,140	10.0	140.0
Bhutan Carbide & Chemical Ltd. (BCCL)	10,000,000	77.0	770.0
Bhutan Ferro Alloys Ltd. (BFAL)	15,000,000	60.0	900.0
Bhutan Insurance Ltd. (BIL)	20,000,000	20.0	390.0
Bhutan National Bank Ltd. (BNBL)	354,807,700	28.0	9,934.6
Bhutan Polymers Company Ltd. (BPCL)	2,493,340	10.0	24.9
Bhutan Tourism Corpn. Ltd (BTCL)	2,094,000	40.0	83.8
Druk Ferro Alloys Ltd. (DFAL)	28,977,620	28.0	811.4
Dungsam Polymers Ltd. (DPL)	8,272,350	17.0	140.6
Druk plaster & Chemicals Ltd. (DPOP)	1,000,000	20.0	20.0
Druk PNB Bank (DPNB)	44,971,230	21.5	966.9
T Bank Ltd. (TBL)	30,000,000	14.5	435.0
Druk Satair Corporation Ltd. (DSCL)	9,130,860	30.0	273.9
Druk Wang Alloys Ltd. (DWAL)	19,400,000	38.7	750.8
Jigme Mining Corporation Ltd. (JMCL)	5,687,630	90.0	511.9
Kuensel Corporation Ltd. (KCL)	5,000,000	12.0	60.0
Penden Cement Authority Ltd. (PCAL)	34,000,070	70.0	2,380.0
Royal Insurance Corpn. of Bhutan (RICB)	48,000,000	57.0	2,736.0
S.D Eastern Bhutan Coal Company Ltd. (EBCC)	5,210,000	40.0	208.4
State Trading Corpn. of Bhutan Ltd. (STCB)	18,000,160	20.0	360.0
GIC-Bhutan Re-Limited (GBRL)	50,000,000	12.0	600.0
Total	**726,045,100**		**22,498.2**

Source: Royal Securities Exchange of Bhutan Ltd. Thimphu.

Table 12.15: Royal Securities Exchange of Bhutan Ltd.Total Traded Volume at The End of December, 2010 To 2014

(Numbers)

Company	2010	2011	2012	2013	2014
Bhutan Board Products Ltd. (BBPL)	...	...	...	10,100	...
Bhutan Carbide & Chemicals Ltd.(BCCL)	...	...	84	20	40
Bhutan Ferro Alloys Ltd.(BFAL)	50	...	...	...	...
Bhutan Insurance Ltd.(BIL)	32,247	19,981	1,024,815	171,831	359,709
Bhutan National Bank Ltd. (BNBL)	26,913	3,329,839	14,116,796	5,589,791	12,435,817
Bhutan Polymers Company Ltd. (BPCL)	...	...	...	...	...
Bhutan Tourism Corpn. Ltd(BTCL)	80	60	...	40	1,500
Druk Ferro Alloys Ltd.(DFAL)	1,973,715	2,650	50,150	4,050	899,350
Dungsam Polymers Ltd.(DPL)	...	...	...	858,983	32,743
Druk Plaster & Chemicals Ltd. (DPOP)	...	...	...	...	...
Druk PNB Bank Ltd.(DPNB)	3,029,820	27,950	1,504,829	37,561	66,908
T Bank Ltd. (TBL)	...	2,384,948	40,897	826,699	57,994
Druk Satair Corpn. Ltd.(DSCL)	456,543	...	...	...	...
Druk Wang Alloys Ltd.(DWAL)	11,450	970	650	1,175	11,325
Jigme Mining Corporation Ltd. (JMCL)	...	144,331	1,277	801	3,468
Kuensel Corporation Ltd.(KCL)	...	...	978	432	...
Penden Cement Authority Ltd. (PCAL)	1,220	5,490	1,440	3,585	386,482
Royal Insurance Corpn. of Bhutan Ltd.(RICB)	1,350	4,450	5,160	3,250	2,506,765
S.D Eastern Bhutan Coal Company Ltd.(EBCC)	150.0	486.0	1,261	1,000	4,950
State Trading Corpn. of Bhutan Ltd.(STCB)	209,800	200,003	300,005	900,448	...
GIC-Bhutan Re-Limited (GBRL)	...	...	...	...	50,384,350
Total	**5,743,338**	**6,121,158**	**17,048,342**	**8,409,766**	**67,151,401**

Note: Total traded volume is inclusive of Initial Public Offering (IPO), Secondary trading and Corporate actions.
Source: Royal Securities Exchange of Bhutan Ltd. Thimphu

Table 12.16: Royal Securities Exchange of Bhutan Ltd. Traded Values, 2010 To 2014

(In Million Nu.)

Company	Capital Market	2010	2011	2012	2013	2014
Bhutan Board Products Ltd. (BBPL)	Primary	...	...	...	...	...
	Secondary	...	...	...	1.01	...
Bhutan Carbide & Chemicals Ltd. (BCCL)	Primary	...	...	...	...	...
	Secondary	...	...	0.08	0.02	0.03
Bhutan Ferro-Alloys Ltd. (BFAL)	Primary	...	...	...	...	...
	Secondary	0.03	...	...	...	...
Bhutan National Bank Ltd. (BNBL)	Primary	...	...	...	...	...
	Secondary	12.03	60.97	181.13	165.38	89.84
Bhutan Polymers Company Ltd. (BPCL)	Primary	...	...	...	...	...
	Secondary	...	...	...	...	...
Bhutan Tourism Corpn. Ltd (BTCL)	Primary	...	...	...	...	...
	Secondary	0.03	0.02	...	0.02	0.06
Druk plaster & Chemicals Ltd. (DPOP)	Primary	...	...	...	...	...
	Secondary	...	...	...	...	...
Druk Satair Corpn. Ltd. (DSCL)	Primary	...	...	...	...	...
	Secondary	...	...	...	...	...
Druk PNB Bank Ltd. (DPNB)	Primary	300.00	...	...	...	...
	Secondary	8.81	9.67	5.03	11.78	1.80
T Bank Ltd.(TBL)	Primary	...	220.00	...	...	...
	Secondary	...	48.75	10.71	4.94	4.14
Druk Wang Alloys Ltd.(DWAL)	Primary	...	...	...	...	...
	Secondary	2.28	0.54	0.37	0.53	0.98
S.D Eastern Bhutan Coal Company Ltd.(EBCC)	Primary	...	...	...	...	...
	Secondary	0.05	0.15	0.38	0.34	0.23
Kuensel corporation Ltd.(KCL)	Primary	...	...	...	...	...
	Secondary	...	...	0.13	0.05	...
Penden Cement Authority Ltd. (PCAL)	Primary	...	...	...	...	...
	Secondary	0.92	4.55	1.32	2.39	27.66
Royal Insurance Corpn. of Bhutan Ltd. (RICB)	Primary	...	...	...	...	...
	Secondary	0.47	1.91	2.77	1.72	13.53
State Trading Corpn. of Bhutan Ltd. (STCB)	Primary	...	...	...	...	...
	Secondary	1.86	...	...	0.09	...

cont...

Table 12.16 cont...

Company	Capital Market	2010	2011	2012	2013	2014
Jigme Mining Corporation Ltd. (JMCL)	Primary	...	...	...	...	...
	Secondary	...	1.44	0.89	0.59	2.90
Druk Ferro Alloys Ltd.(DFAL)	Primary	...	...	...	...	...
	Secondary	115.04	0.43	10.02	0.87	22.73
Dungsam Polymers Ltd. (DPL)	Primary	...	...	...	136.49	...
	Secondary	...	...	...	8.34	2.26
Bhutan Insurance Ltd.(BIL)	Primary	...	...	...	...	...
	Secondary	4.36	4.47	6.27	31.76	11.48
GIC-Bhutan Re-Limited (GBRL)	Primary	...	...	...	...	500.00
	Secondary	...	...	...	...	4.22
Total		**445.88**	**352.90**	**219.10**	**366.32**	**681.87**

Source: Royal Securities Exchange of Bhutan Ltd.Thimphu

Table 12.17 : Bonus/Rights/Employee Stock Options (ESoP)/Off Market Transaction, 2010 - 2014

(No. of shares)

Company	2010	2011	2012	2013	2014
Druk Ferro Alloys Ltd.(DFAL)	1,267,632	...	...	...	...
Bhutan National Bank Ltd. (BNBL)	...	3,203,166	13,516,682	5,068,756	10,136,991
Druk Satair Corpn. Ltd.(DSCL)	456,543	...	...	...	...
Jigme Mining Corporation Ltd. (JMCL)	...	142,231	...	...	...
Royal Insurance Corpn. of Bhutan Ltd.(RICB)	...	...	...	...	2,400,000
State Trading Corpn. of Bhutan Ltd.(STCB)	200,000	200,003	300,005	900,008	...
T Bank Ltd. (TBL)	...	...	...	800,000	...
Druk PNB Bank Ltd.(DPNB)	...	...	1,490,273	3,650	32,000
Bhutan Insurance Ltd.(BIL)	...	...	1,000,000	...	...
Total	**1,924,175**	**3,545,400**	**16,306,960**	**6,772,414**	**12,568,991**

Source: Royal Securities Exchange of Bhutan Ltd, Thimphu.

Table 12.18: Dividend Declared by the Company, 2010-2014

(In Percent)

Company	2010	2011	2012	2013	2014
Bhutan Board Products Ltd. (BBPL)	15	12	...	10	7
Bhutan Carbide & Chemicals Ltd.(BCCL)	20	10	25	40	40
Bhutan Ferro Alloys Ltd.(BFAL)	85	65	60	65	75
Bhutan Insurance Ltd.(BIL)	8	15	10	10	9
Bhutan National Bank Ltd.(BNBL)	29	...	17	8	10
Bhutan Polymers Company Ltd.(BPCL)	30	10	5	8	...
Bhutan Tourism Corpn. Ltd (BTCL)	20	25	25	25	15
Druk Ferro Alloys Ltd.(DFAL)	17	23	17	20	30
Druk PNB Bank Ltd.(DPNB)	...	...	6	7	8
Druk Plaster & Chemicals Ltd.(DPOP)	60	15	25	10	...
Druk Satair Corpn. Ltd.(DSCL)	60	75	70	100	125
Druk Wang Alloys Ltd.(DWAL)	40	60	30	50	70
S.D Eastern Bhutan Coal Company Ltd.(EBCC)	60	65	75	200	300
Jigme Mining Corporation Ltd.(JMCL)	100	100	100	125	150
Kuensel Corporation Ltd.(KCL)	18	20	12	...	12
Penden Cement Authority Ltd.(PCAL)	100	100	100	90	80
Royal Insurance Corpn. of Bhutan Ltd.(RICB)	25	30	35	45	35
T Bank Ltd. (TBL)	...	...	...	...	6
State Trading Corpn. of Bhutan Ltd.(STCB)	25	20	...	...	...
Dungsam Polymers Ltd.(DPL)	...	...	...	...	...
GIC-Bhutan Re-Limited (GBRL)	...	...	...	...	...

Source: Royal Securities Exchange of Bhutan Ltd, Thimphu.

Until the inception of five year development plan in the country, the economic activities were basically involved in traditional way. The economic transaction was done through barter system; taxes were being collected in the form of kind and labour. The citizens were to remit certain portion of their agricultural, forest and livestock produce to government and mandatory to provide labor services to accomplish national developmental activities.

With start of Five Year Plan development in 1961 and steady economic integration at regional to global level has necessitated institutionalization of contemporary public finance system in the country. For this, the position of a Finance Secretary was created in the Royal Secretariat in 1963 and Ministry of Finance is one among the first few Ministries established in 1968. Further with introduction of Bhutanese paper currency in 1974, there has been systematic transition from barter system to monetized economy and the ancient taxation system has been gradually phased out and replaced by monetary taxation. In order to institutionalize the fair and equitable taxation and for coherent and rational tax system, taxation policy were initiated in the year 1989. The taxation policy was further revised in 1992, to trim down the tax formation and also to widen tax base in the country.

As required by Public Finance Act, 2007, the Ministry of Finance is responsible for overall financial management through effective and efficient use of public resources. As mandated for maintaining sound fiscal and macroeconomic policies, it coordinate, presents and produce macro-fiscal or government finance statistics of the country. Share of government expenditure to GDP is substantial and is significant for overall economic development of the country.

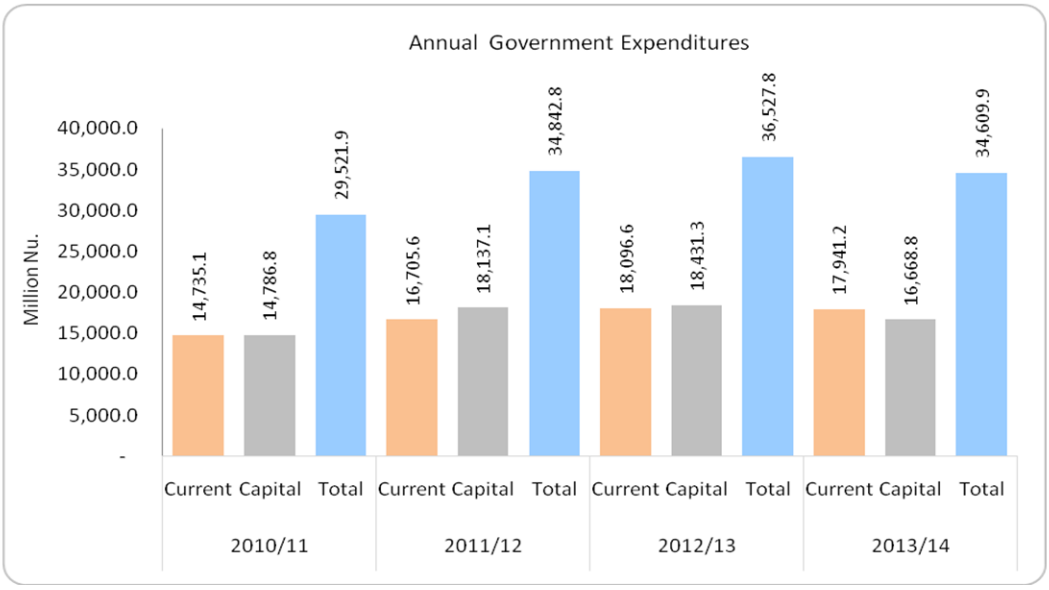


Table 13.1: Annual Current Expenditure of the Government by Agency for the FY 2010/11 To 2013/14

(Nu. in million)

Agency	2010/2011	2011/12	2012/13	2013/14
Ministry	**7,770.973**	**9,234.328**	**10,095.127**	**9,451.016**
Ministry of Home & Cultural Affairs	1,041.934	1,244.784	1,294.970	1,391.982
Ministry of Finance	2,996.694	3,702.939	4,404.295	3,991.738
Ministry of Foreign Affairs	393.283	484.038	516.263	552.268
Ministry of Agriculture & Forests	1,159.474	1,326.203	1,381.678	1,489.781
Ministry of Economic Affairs	248.340	258.384	248.740	245.989
Ministry of Works & Human Settlement	372.668	406.098	417.044	423.675
Ministry of Information & Communications	148.166	271.947	184.330	178.575
Ministry of Health	1,034.469	1,196.972	1,294.622	840.545
Ministry of Education	199.159	164.762	168.101	152.531
Ministry of Labour & Human Resources	176.786	178.201	185.084	183.932
Judiciary	**172.058**	**189.337**	**206.721**	**225.945**
Constitutional Bodies	234.367	381.224	589.405	274.232
Royal Civil Service Commission	32.845	35.070	38.962	46.789
Anti-Corruption Commission	24.585	29.590	35.595	34.584
Election Commission Of Bhutan	86.516	213.263	412.871	90.702
Royal Audit Authority	90.421	103.301	101.977	102.157
Autonomous Bodies	**1,928.608**	**1,687.296**	**1,734.889**	**2,424.393**
His Majesty's Secretariat	50.923	36.211	30.349	27.305
His Majesty's Secretariat (4th King)	17.667	17.671	18.759	17.447
National Assembly Of Bhutan	75.832	88.307	95.939	76.681
National Council Of Bhutan	49.899	55.209	63.601	61.542
Council For Religious Affairs	437.381	472.200	484.073	503.060
Cabinet Secretariat	33.217	39.297	50.461	33.240
Office Of The Attorney General	17.071	17.458	19.252	20.540
Bhutan Olympic Committee	29.822	32.252	38.918	23.788
Dzongkha Development Commission	17.129	16.634	14.822	14.574
National Land Commission	237.637	242.243	218.607	198.878
Centre For Bhutan Studies And GNH Research	24.015	16.026	17.960	11.692
Gross National Happiness Commission	32.253	35.142	34.384	34.946
National Environment Commission	19.719	27.256	27.151	33.716
Royal Institute Of Management	39.534	44.061	41.530	40.114
Royal University Of Bhutan	393.042	0.000	0.000	0.000

cont...

Table 13.1 cont...

Agency	2010/2011	2011/12	2012/13	2013/14
National Statistics Bureau	20.081	27.315	26.669	22.734
Bhutan Narcotic Control Agency	9.613	11.887	11.494	12.764
Bhutan Information Communication Media Authority	12.628	14.307	14.227	14.668
Thromdeys	316.193	334.632	344.203	520.185
Drug Regulatory Authority	7.009	7.784	8.113	9.141
Tourism Council Of Bhutan	52.593	46.050	47.118	48.657
National Commission For Women & Children	15.185	18.441	13.869	10.548
Royal Education Council	20.165	17.968	19.001	23.147
Bhutan Council For School Examination & Assessment	...	59.452	61.538	68.085
Royal Privy Council	...	9.493	8.288	9.464
Bhutan Standard Bureau	...	...	24.563	23.551
University of Medical Sciences of Bhutan	...	...	...	560.194
Royal Institute of Law	...	...	...	3.732
Dzongkhag Administration	**4,495.647**	**5,052.937**	**5,285.211**	**5,375.795**
Gewog Administration	**133.424**	**160.529**	**185.206**	**189.777**
Total Expenditure	**14,735.077**	**16,705.651**	**18,096.559**	**17,941.158**

Source : Annual Financial Statement, Department of Public Accounts, MoF, Thimphu.

Table 13.2: Annual Capital Expenditure of the Government by Agency for the FY 2010/11 To 2013/14

(Nu. in million)

Agency	2010/2011	2011/12	2012/13	2013/14
Ministry	**8,285.279**	**10,180.910**	**11,053.986**	**11,620.247**
Ministry Of Home & Cultural Affairs	538.049	713.135	619.224	373.123
Ministry Of Finance	931.333	1,243.859	1,425.346	3,982.025
Ministry Of Foreign Affairs	22.899	155.582	21.592	14.414
Ministry Of Agriculture & Forests	627.826	756.363	1,188.594	1,110.801
Ministry Of Economic Affairs	1641.957	610.754	525.508	455.588
Ministry Of Works & Human Settlement	2403.801	3,666.457	4,247.685	3,603.307
Ministry Of Information & Communications	1034.758	1,311.630	1,140.182	519.773
Ministry Of Health	387.956	477.007	504.815	603.279
Ministry Of Education	529.922	959.351	1,144.178	714.243
Ministry Of Labour & Human Resources	166.778	286.772	236.862	243.694
Judiciary	**85.211**	**341.032**	**434.457**	**299.663**
Constitutional Bodies	151.458	216.531	210.693	209.133
Royal Civil Service Commission	98.796	110.159	103.601	91.186
Anti-Corruption Commission	29.004	40.406	44.934	69.253
Election Commission Of Bhutan	9.918	22.078	29.122	16.095
Royal Audit Authority	13.74	43.888	33.036	32.599
Autonomous Bodies	**1,674.566**	**1,628.565**	**2,066.471**	**1,041.105**
His Majesty's Secretariat	7.409	5.675	5.302	1.407
His Majesty's Secretariat (4th King)	0.211	1.478	...	...
National Assembly Of Bhutan	7.822	5.476	9.129	26.824
National Council Of Bhutan	3.034	6.129	17.770	19.071
Council For Religious Affairs	96.482	173.505	245.803	183.803
Cabinet Secretariat	12.37	16.372	7.007	8.720
Office Of The Attorney General	2.279	24.659	30.332	25.729
Bhutan Olympic Committee	20.316	16.817	21.871	12.636
Dzongkha Development Commission	6.518	6.632	5.580	5.165
National Land Commission	111.988	165.981	181.638	130.498
Centre For Bhutan Studies And GNH Research	0.63	3.250	2.912	2.950
Gross National Happiness Commission	237.555	56.187	59.031	45.383
National Environment Commission	35.221	56.709	34.530	33.141
Royal Institute Of Management	34.527	80.623	71.761	77.013

cont...

Table 13.2 cont...

Agency	2010/2011	2011/12	2012/13	2013/14
Royal University Of Bhutan	576.057	721.113	994.646	104.764
National Statistics Bureau	3.732	7.857	30.435	16.946
Bhutan Narcotic Control Agency	1.77	4.324	1.401	1.660
Bhutan Information Communication Media Authority	131.176	40.098	100.681	25.404
Thromdeys	58.531	74.850	66.002	69.526
Drug Regulatory Authority	0.811	3.538	3.200	3.221
Tourism Council Of Bhutan	259.061	86.644	106.380	127.016
National Commission For Women & Children	1.91	11.373	19.650	12.629
Royal Education Council	65.156	50.077	36.371	18.183
Bhutan Council For School Examination & Assessment	...	9.012	6.638	9.425
Royal Privy Council	...	0.186	2.896	1.336
Bhutan Standard Bureau	...	...	5.505	1.876
University of Medical Sciences of Bhutan	...	...	...	73.721
Royal Institute of Law	...	...	...	3.058
Dzongkhag Administration	**3,047.693**	**3,381.981**	**3,089.335**	**2,272.550**
Gewog Administration	**1,542.639**	**2,388.097**	**1,576.328**	**1,226.056**
Total Expenditure	**14,786.846**	**18,137.116**	**18,431.270**	**16,668.754**

Source : Annual Financial Statement, Department of Public Accounts, MoF, Thimphu.

Table 13.3: The Sector-wise Government Expenditures for the FY 2010/11 To 2013/14

(Nu. in million)

Sectors	2010/11		2011/12		2012/13		2013/14	
	Current	Capital	Current	Capital	Current	Capital	Current	Capital
Social Services	**5,201.642**	**3,051.946**	**5,409.868**	**4,269.844**	**5,746.016**	**4,315.158**	**6,085.223**	**2,635.160**
Health	1,544.741	744.163	1,783.509	1,171.162	1,920.165	1,031.632	2,049.465	924.672
Education	3,656.901	2,307.783	3,626.359	3,098.682	3,825.851	3,283.526	4,035.758	1,710.488
Economic Services	**2,417.598**	**7,806.124**	**2,766.797**	**8,650.046**	**2,767.982**	**8,730.784**	**2,882.380**	**6,701.375**
RNR Services	1,495.946	2,353.152	1,686.597	3,047.616	1,738.608	3,009.251	1,857.977	2,216.113
Mining, Manuftg. & Industries Services	175.466	61.940	182.052	57.114	175.954	101.874	158.401	62.712
Transport & Communication Services	437.359	3,381.552	579.149	4,601.973	526.376	4,848.729	521.456	3,611.172
Energy Services	56.603	1,571.070	60.303	540.305	60.749	417.011	70.427	387.544
Other Economic Services	252.224	438.410	258.696	403.038	266.295	353.919	274.119	423.834
Housing & Public Amenities Services	**304.793**	**763.497**	**307.224**	**764.139**	**320.050**	**904.185**	**333.402**	**861.969**
General Public Services	**5,134.601**	**2,045.658**	**6,297.432**	**2,825.491**	**7,241.650**	**2,861.621**	**6,481.871**	**5,072.188**
General Public Service	2,737.975	1,448.230	3,285.159	1,957.466	3,520.594	1,910.982	3,226.034	1,531.739
Public Debt Services	2,396.626	597.428	3,012.273	868.025	3,721.056	950.639	3,255.837	3,540.449
Religion & Cultural Services	**538.104**	**631.033**	**582.809**	**854.099**	**596.965**	**958.621**	**628.990**	**888.034**
Public Order & Safety Services	**1,138.326**	**488.590**	**1,341.518**	**773.497**	**1,423.887**	**660.897**	**1,529.285**	**510.025**
Total Expenditure	**14,735.064**	**14,786.848**	**16,705.648**	**18,137.116**	**18,096.550**	**18,431.266**	**17,941.151**	**16,668.751**

Source: Annual Financial Statement (AFS), Department of Public Accounts, Ministry of Finance

Table 13.4: Summary of National Revenue of the Government by Source for the FY 2009/10 To 2013/14

(Nu. in million)

By Source	2009/10	2010/11	2011/12	2012/13	2013/14
Tax Revenue	**9,655.78**	**11,593.49**	**14,676.93**	**15,403.12**	**16,182.77**
Direct Tax	6,989.91	8,025.58	8,987.04	9,390.04	11,132.04
Corporate Tax	4,710.10	5,109.89	5,186.09	4,864.28	6,127.43
Business Income Tax	707.30	1,109.88	1,299.15	1,690.63	1,783.89
Personal Income Tax	566.98	704.93	925.18	1,112.05	1,280.98
Other Tax Revenue	1,005.54	1,100.89	1,576.62	1,723.08	1,939.75
Motor Vehicle Tax	135.72	177.46	209.55	218.11	250.01
Business & Prof. licences	57.58	65.87	75.57	79.56	93.72
Airport Service Tax	28.97	35.08	42.05	44.41	51.32
Dzongkhag Municipal Tax	9.85	5.92	3.33	3.68	5.58
Health Contribution	92.80	105.17	131.48	145.83	157.41
Royalties	680.61	711.38	1,114.62	1,231.49	1,381.71
Indirect Tax	2,665.87	3,567.90	5,689.89	6,013.08	5,050.73
Sales Tax	1,191.77	1,636.41	2,392.36	2,171.03	2,162.89
Excise Duty	1,262.76	1,605.34	2,836.92	3,481.83	2,556.47
Custom Duty	195.68	305.95	438.38	305.54	312.79
Other Indirect Tax Revenue	15.67	20.20	22.23	54.69	16.90
Green Tax	..	..	..	35.94	1.68
Non Tax Revenue	**5,325.93**	**5,467.22**	**5,423.28**	**5,698.57**	**7,061.84**
Admin. Fees & Charges	284.12	389.93	336.75	331.06	349.22
Capital Revenue	93.49	93.32	105.84	88.89	82.36
Revenue from Govt. Depts.	203.63	236.93	300.63	342.61	357.99
Dividends	3,018.84	2,997.21	2,946.90	3,035.78	3,779.39
Other Non-Tax Revenue	31.61	18.68	68.74	84.27	81.02
Interest on Loan from Corp.	1,694.24	1,731.17	1,664.42	1,815.95	2,411.87
Total Revenue	**15,638.43**	**17,060.71**	**20,100.21**	**21,101.69**	**23,244.61**

Source : National Revenue Report, Department of Revenue & Customs, MoF, Thimphu.

Table 13.5: Fiscal Framework of Government, Bhutan 2009/10 To 2013/14

(Nu. in million)

Item	2009/10	2010/11	2011/12	2012/13	2013/14
Revenue & Grants	**30,990.676**	**28,171.759**	**32,646.355**	**30,656.117**	**33,625.120**
Domestic Revenue	15,638.434	17,458.797	20,354.462	21,101.691	23,244.610
Tax revenue	9,655.781	11,593.486	14,676.929	15,403.118	16,182.774
Non-tax revenue	5,982.653	5,865.311	5,677.533	5,698.573	7,061.836
Grants	11,118.877	10,497.727	12,501.520	9,562.636	10,042.350
GoI	7,306.388	7,882.768	9,003.442	4,693.402	6,484.430
Other Donors	3,812.489	2,614.959	3,498.078	4,869.234	3,557.920
Other Receipts (Net)	4,233.365	215.235	(209.627)	(8.210)	338.160
Outlay	**29,888.991**	**29,842.451**	**33,688.009**	**34,900.809**	**33,522.834**
Total Expenditure	25,831.828	29,521.923	34,842.762	36,527.815	34,609.903
Current	12,902.689	14,735.077	16,705.648	18,096.551	17,941.151
Capital	12,929.139	14,786.846	18,137.114	18,431.264	16,668.752
Net lending (NL)	(400.374)	(906.605)	(1,036.573)	(739.889)	(1,331.989)
Advance/Suspense (Net)	334.728	1,227.133	(118.180)	(887.117)	244.920
Overall Balance	1,101.685	(1,670.692)	(1,041.654)	(4,244.692)	4,296.289
Financing	(1,101.685)	1,670.692	1,041.654	4,244.692	(4,296.289)
Net Borrowings	81.986	293.970	(1,007.147)	492.306	(867.009)
Borrowings	2,817.511	3,110.010	6,212.866	16,463.456	1,534.544
Repayments	2,735.525	2,816.040	7,220.013	15,971.150	2,401.553
Resource Gap	**1,183.670**	**(1,376.722)**	**(2,048.801)**	**(3,752.386)**	**(3,253.978)**

Source : Annual Financial Statement (AFS), Department of Public Accounts, Ministry of Finance

Table 13.6: Revenue Collection by Sector, FY 2009/10 To 2013/14

(Nu. in million)

Sector	2009/10	2010/11	2011/12	2012/13	2013/14
Primary (Agriculture)	**209.42**	**368.02**	**375.85**	**372.31**	**403.42**
Industry	**4,210.79**	**4,476.27**	**4,205.12**	**4,307.93**	**5,269.80**
Manufacturing	420.76	658.34	592.57	602.77	548.44
Electricity	3,790.03	3,817.92	3,612.55	3,705.16	4,721.36
Service	**6,245.14**	**7,472.56**	**10,511.49**	**11,291.41**	**10,736.61**
Services (Transport, communication, hotel & restaurant)	1,938.93	2,042.12	2,498.07	2,739.81	2,962.02
Trade	3,464.45	4,882.97	7,166.66	7,816.84	7,122.25
Finance	841.76	547.47	846.75	734.76	652.34
Gross Sectoral Revenue Collection [1]	**10,665.34**	**12,316.84**	**15,092.46**	**15,971.65**	**16,409.83**

Note : [1] Sectoral revenue are based on gross collection and excludes PIT collections, Druk Holding Investment (DHI) dividends and interest receipts on loan from corporations

Source: National Revenue Report, Department of Revenue & Customs, Ministry of Finance

Table 13.7: Government Debt Stock & Debt Service, 2009/10 To 2013/14

(Nu. in million)

Debt	2009/10	2010/11	2011/12	2012/13	2013/14
Total Public Debt	**36,788.48**	**48,619.18**	**62,813.11**	**101,310.19**	**108,370.35**
Domestic Debt	1,051.82	876.51	1,092.55	6,342.72	2,913.44
External Debt	**35,736.67**	**47,742.67**	**61,720.56**	**94,967.47**	**105,456.91**
Indian Rupee Debt	18,277.57	24,647.54	32,546.30	60,826.65	67,870.16
Convertible Currency Debt	17,459.10	23,095.13	29,174.26	34,140.82	37,586.76
Total Debt Service	**4,478.71**	**4,610.09**	**9,106.06**	**19,659.64**	**23,530.08**
Domestic	742.92	733.88	5,067.55	13,253.95	12,719.04
External	3,735.79	3,876.21	4,038.51	6,405.69	10,811.04
Interest payment	**1,743.18**	**1,794.05**	**1,886.04**	**3,371.73**	**2,871.23**
Domestic	70.10	59.21	76.15	186.19	153.28
External	**1,673.08**	**1,734.85**	**1,809.89**	**3,185.54**	**2,717.96**
Indian Rupee	1,497.56	1,497.56	1,497.56	2,731.25	2,208.77
Convertible Currency	175.52	237.29	312.33	454.29	509.19
Principal payment	**2,735.53**	**2,816.04**	**7,220.02**	**16,287.91**	**20,658.84**
Domestic	672.82	674.68	4,991.40	13,067.76	12,565.76
External	2,062.71	2,141.36	2,228.62	3,220.15	8,093.08
Indian Rupee	1,581.84	1,581.84	1,581.84	2,486.27	7,227.76
Convertible Currency	480.87	559.52	646.78	733.88	865.32

Source: Annual Financial Statement (AFS), Department of Public Accounts, Ministry of Finance

Development planning in Bhutan can be tracked back to the year 1961 when the first Five Year Plan (1961/62 to 1965/66) was drawn up. Initially, self-contained development secretariat was established to implement the plan. At the time of preparation of the third plan in 1971, the Planning Commission (now, Gross National Happiness Commission) was established headed by the His Majesty the King. In the absence of basic economic information and skilled manpower, the formulation of the third plan, like earlier ones was relatively simple. Major developments in regard to the consolidation of the planning process took place in the fourth plan period, when the Dzongkhags were involved in the development process.

The **Ninth Five Year Plan (2002-2007)** focused on five major goals; 1. Improve the quality of life and income, 2. Ensure good governance, 3. Promote private sector growth and employment generation, 4. Preserve and promote cultural heritage and conversation of environment, 5. Achieve rapid economic growth and transformation. The plan, as a whole, emphasized on perusing maximization of Gross National Happiness as a development goal and an objective.

The **Tenth Five Year Plan (2008-2013)** began in July 2007 will peruse towards poverty reduction as a primary goal, achieving country's long term development vision GNH and Bhutan's commitment towards global compacts, including MDGs.

The **Eleventh Five Year Plan (2013-2018)** is the second five year plan to be implemented since the introduction of Democratic Constitutional Monarchy in 2008. A notable paradigm shift of the 11th FYP is the adoption of a Result Based Planning (RBP) framework that articulates clear outcomes and outputs that need to be achieved in order to realize the eleventh plan objectives of *"Self –reliance and Inclusive Green Socio-Economic Development"*.

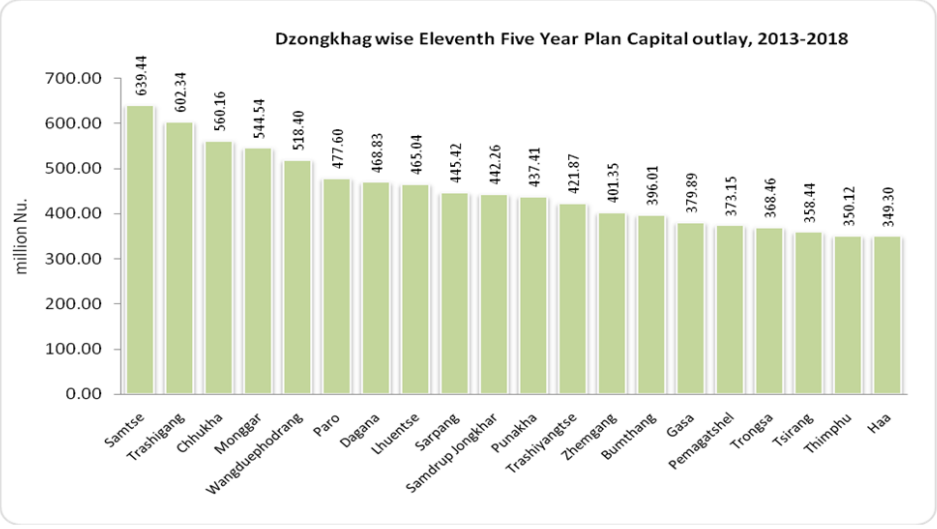


Table 14.1: Tenth Plan Budgetary Outlay and Allocation, Bhutan, 2008/2013

(Nu. in Million)

Organization	Recurrent	Capital	Total	Percent
Constitutional Bodies	**1,577.88**	**5,199.11**	**6,776.98**	**4.62**
Judiciary	611.89	724.51	1,336.40	0.91
Royal Audit Authority	289.02	53.56	342.57	0.23
Election Commission Of Bhutan	523.50	79.91	603.41	0.41
Anti Corruption Commission	64.66	125.37	190.03	0.13
Royal Civil Service Commission	88.81	4,215.76	4,304.57	2.94
Autonomous Agencies	**5,783.46**	**6,503.98**	**12,287.44**	**8.40**
His Majesty's Secretariat	147.22	100.00	247.22	0.17
Secretariat of His Majesty the Fourth King	89.33	50.00	139.33	0.10
National Assembly Secretariat	252.86	42.91	295.77	0.20
Royal Advisory Council (National Council)	149.59	56.99	206.58	0.14
Cabinet Secretariat	141.18	15.58	156.76	0.11
Office of the Attorney General	64.84	56.15	120.99	0.08
GNH Commission	170.08	1,050.00	1,220.08	0.83
National Land Commission	454.81	385.86	840.67	0.57
National Environment Commission	78.02	109.30	187.32	0.13
Dzongkha Development Commision	77.10	30.60	107.70	0.07
Council for Ecclesiasstical Affairs	1,864.27	633.55	2,497.82	1.71
National Statistics Bureau	129.20	45.29	174.49	0.12
Royal University of Bhutan	1,532.97	2,427.10	3,960.07	2.71
Royal Institute of Management	129.19	275.05	404.24	0.28
Centre for Bhutan Studies	45.50	50.00	95.50	0.07
Bhutan Narcotic Control Agency	23.00	21.40	44.41	0.03
Bhutan Olympic Committee	158.26	100.00	258.26	0.18
Bhutan Broadcasting service Corporation	...	406.78	406.78	0.28
National commission for Women and Children	70.82	64.21	135.02	0.09
Bhutan Information Communication Media Authority	38.32	10.50	48.82	0.03
Drug Regulatory Authority	16.15	...	16.15	0.01
Tourism Council ob Bhutan	150.75	572.71	723.45	0.49
Ministries	**48,897.65**	**49,908.69**	**98,806.32**	**67.56**
Ministry of Agriculture	4,497.09	3,626.51	8,123.60	5.55
Ministry of Education	875.12	9,489.13	10,364.25	7.09
Ministry of Finance	29,632.49	699.92	30,332.41	20.74

cont...

Table 14.1 cont...

Organization	Recurrent	Capital	Total	Percent
Ministry of Foreign Affairs	1,319.63	447.51	1,767.14	1.21
Ministry of Health	4,175.97	4,394.34	8,570.30	5.86
Ministry of Home and Cultural Affairs	4,301.61	3,000.64	7,302.24	4.99
Ministry of Information and Communication	561.99	3,776.47	4,338.46	2.97
Ministry of labour and Human Resources	742.67	1,446.07	2,188.74	1.50
Ministry of Econimic Affairs	1,057.54	5,763.18	6,820.72	4.66
Ministry of Works and Human Settlements	1,733.54	17,264.92	18,998.46	12.99
Others	**963.97**	**...**	**963.97**	**0.66**
Thimphu Thromdey Schools	963.97	...	963.97	0.66
Total (Constitutional Bodies, Autonomous Bodies and Ministries)	57,222.95	61,611.76	118,834.70	81.25
Dzongkhags and Gewogs	**15,417.52**	**12,000.00**	**27,417.52**	**18.75**
Dzongkhags	...	7,200.00	7,200.00	4.92
Gewogs	...	4,800.00	4,800.00	3.28
Total Outlay	**72,640.47**	**73,611.76**	**146,252.22**	**100.00**

Source: "Tenth Plan Document 2008-2013", GNH Commision, Thimphu.

Table 14.2: Eleventh Plan Budgetary Outlay and Allocation, Bhutan, (2013-2018)

(Nu. in Million)

Organization	Outlays			% of Total
	Current	Capital	Total	
Constitutional Body	**2,613.50**	**1,567.50**	**4,181.00**	**1.96**
Judiciary	1,247.99	623.00	1,870.99	0.88
Royal Audit Authority	659.01	216.00	875.01	0.41
Election Commission Of Bhutan	220.58	428.00	648.58	0.30
Anti Corruption Commission	237.53	93.50	331.03	0.16
Royal Civil Service Commission	248.39	207.00	455.39	0.21
Autonomous Agency	**11,619.16**	**7,014.65**	**18,633.81**	**8.74**
His Majesty's Secretariat	182.14	...	182.14	0.09
Secretariat of His Majesty the Fourth King	135.06	...	135.06	0.06
National Assembly Secretariat	535.12	54.00	589.12	0.28
National Council	355.36	330.00	685.36	0.32
Royal Privy Council	83.89	...	83.89	0.04
Cabinet Secretariat	179.61	23.00	202.61	0.09
Office of the Attorney General	124.87	43.90	168.77	0.08
Gross National Happiness Commission	227.95	625.00	852.95	0.40
National Land Commission	1,182.19	500.00	1,682.19	0.79
National Environment Commission	183.94	374.00	557.94	0.26
Dzongkha Development Commision	88.34	63.00	151.34	0.07
Council for Religious Affairs	2,983.26	379.00	3,362.26	1.58
National Statistics Bureau	153.46	92.44	245.90	0.12
Royal University of Bhutan	...	1,086.45	1,086.45	0.51
Royal Education Council	181.43	292.00	473.43	0.22
Bhutan Council for School Examination & Assessment	404.01	50.00	454.01	0.21
Royal Institute of Law & Bhutan National Legal Institute	32.80	589.50	622.30	0.29
University of Medical Sciences of Bhutan	3,233.61	487.30	3,720.91	1.74
Royal Institute of Management	280.94	273.00	553.94	0.26
Centre for Bhutan Studies	97.64	14.50	112.14	0.05
Bhutan Narcotic Control Agency	87.94	45.00	132.94	0.06
Bhutan Olympic Committee	176.07	395.00	571.07	0.27
Bhutan Broadcasting service Corporation	...	340.00	340.00	0.16
National commission for Women and Children	99.17	55.00	154.17	0.07

cont...

Table 14.2 cont...

Organization	Outlays			% of Total
	Current	Capital	Total	
Bhutan Information Communication Media Authority	93.75	118.25	212.00	0.10
Bhutan Standard Bureau	145.77	36.00	181.77	0.09
Drug Regulatory Authority	56.67	33.00	89.67	0.04
Tourism Council of Bhutan	314.17	345.61	659.78	0.31
Royal Institute of Tourism and Hospitality	...	25.50	25.50	0.01
JDWNR Hospital	...	334.20	334.20	0.16
CSO Authority	...	10.00	10.00	0.00
Ministries	**70,429.48**	**55,657.19**	**126,086.67**	**59.11**
Ministry of Agriculture and Forest	8,786.88	4,856.00	13,642.88	6.40
Ministry of Education	933.75	7,438.74	8,372.49	3.93
Ministry of Finance	38,589.53	2,678.55	41,268.08	19.35
Ministry of Foreign Services	3,287.34	320.00	3,607.34	1.69
Ministry of Health	4,306.82	3,839.41	8,146.23	3.82
Ministry of Home and Cultural Affairs	8,076.18	3,702.00	11,778.18	5.52
Ministry of Information and Communication	1,068.58	3,548.43	4,617.01	2.16
Ministry of Labour and Human Resources	1,271.25	1,383.00	2,654.25	1.24
Ministry of Econimic Affairs	1,626.42	6,782.06	8,408.48	3.94
Ministry of Works and Human Settlements	2,482.73	21,109.00	23,591.73	11.06
Others (HRD and Exigencies)	**...**	**2,910.66**	**2,910.66**	**1.36**
Human Resource Development	...	2,000.00	2,000.00	0.94
Other Capital (Vehicles, misc. exigences etc.)	...	910.66	910.66	0.43
Total for Central Agencies	84,662.14	67,150.00	151,812.14	71.18
Local Governments	36,629.32	24,850.00	61,479.32	28.82
Dzongkhags and Gewogs	**33,578.44**	**20,000.00**	**53,578.44**	**25.12**
Thromdey	...	4,850.00	4,850.00	2.27
Thromdey Schools	3,050.88	...	3,050.88	1.43
Total Outlay	**121,291.46**	**92,000.00**	**213,291.46**	**100.00**

Source: Eleventh Five Year Plan Document 2013-2018", GNH Commission, Thimphu.

Table 14.3: Dzongkhag Wise Ninth Five Year Plan Outlay, Bhutan, 2002 to 2007

Dzongkhags	Current	Capital	Total
Bumthang	274.96	198.8	473.8
Chhukha	647.6	797.9	1,445.5
Dagana	197.2	315.1	512.3
Gasa	98.9	145.8	244.7
Ha	252.7	290.1	542.8
Lhuentse	269.1	617.3	886.3
Monggar	496.6	651.5	1,148.1
Paro	487.7	602.5	1,090.1
Pemagatshel	309.3	444.5	753.8
Punakha	355.9	303.0	658.9
Samdrup Jongkhar	523.5	645.2	1,168.7
Samtse	327.7	592.9	920.6
Sarpang	503.9	490.4	994.2
Thimphu	740.4	677.8	1,418.2
Trashi Yangtse	298.5	357.1	655.6
Trashigang	671.5	781.3	1,452.8
Trongsa	255.9	309.4	565.3
Tsirang	210.1	316.6	526.7
Wangdue Phodrang	414.9	355.8	770.7
Zhemgang	466.2	425.4	891.6
Total	**7,802.5**	**9,318.3**	**17,120.8**

Source: "Ninth Plan Main Document 2002-2007", Planning Commission, Thimphu.

Table 14.4: Dzongkhag Wise Tenth Five Year Plan Outlay, 2008 to 2013

(Nu. in Million)

Dzongkhags	Current	Capital	Total
Bumthang	...	139.0	139.0
Chhukha	792.7	483.1	1,275.8
Dagana	294.2	273.6	567.8
Gasa	...	58.9	58.9
Ha	...	123.6	123.6
Lhuentse	226.9	292.6	519.5
Monggar	486.9	529.0	1,016.0
Paro	...	259.1	259.1
Pemagatshel	474.5	278.9	753.4
Punakha	277.3	244.6	522.0
Samdrup Jongkhar	...	358.0	358.0
Samtse	...	715.2	715.2
Sarpang	369.3	316.7	686.0
Thimphu	...	177.8	177.8
Trashi Yangtse	135.5	225.4	360.9
Trashigang	314.3	686.6	1,000.8
Trongsa	205.8	126.7	332.5
Tsirang	...	200.3	200.3
Wangdue Phodrang	426.9	233.3	660.1
Zhemgang	375.4	247.3	622.7
Total	**4,379.7**	**5,969.7**	**10,349.4**

Note : Capital budget does not include the gewogs capital budget

Source: Gross National Happiness Commission (GNHC), Thimphu.

Table 14.5: Dzongkhag Wise Eleventh Five Year Plan Outlay, 2013 to 2018

(Nu. in Million)

Dzongkhag	Capital
Bumthang	396.01
Chhukha	560.16
Dagana	468.83
Gasa	379.89
Haa	349.30
Lhuentse	465.04
Monggar	544.54
Pemagatshel	373.15
Paro	477.60
Punakha	437.41
Samdrup Jongkhar	442.26
Samtse	639.44
Sarpang	445.42
Trashiyangtse	421.87
Trashigang	602.34
Thimphu	350.12
Trongsa	368.46
Tsirang	358.44
Wangduephodrang	518.40
Zhemgang	401.35
Total	**9,000.00**

Source: "Eleventh Five Year Plan Vol. I 2013-2018", Gross National Happiness Commission

Table 14.6: Indicative Capital Allocation to Gewogs, Eleventh Five Year Plan (2013-2018)

Dzongkhag	Sl. No.	Gewog	Capital (Nu. In million)
1. Bumthang	1	Chhoekhor	58.435
	2	Chhumey	36.654
	3	Tang	31.456
	4	Ura	26.401
		Total	**152.946**
2. Chhukha	1	Bjachho	26.286
	2	Bongo	58.631
	3	Chapcha	28.461
	4	Dala	79.562
	5	Dungna	16.079
	6	Geling	27.014
	7	Getena	20.207
	8	Logchina	45.355
	9	Metap	12.191
	10	Phuntsholing	53.715
	11	Sampheling	51.692
		Total	**419.193**
3. Dagana	1	Deorali	20.134
	2	Dorona	16.770
	3	Drujegang	24.928
	4	Gesarling	21.962
	5	Gozhi	25.739
	6	Kana	28.615
	7	Khibisa	20.078
	8	Lajab	15.384
	9	Lhamoizingkha	20.240
	10	Nichula	12.861
	11	Trashiding	25.007
	12	Tsangkha	21.253
	13	Tsendagang	23.222
	14	Tseza	22.151
		Total	**298.344**
4. Gasa	1	Goenkhamey	13.330
	2	Goenkhatoe	11.609
	3	Laya	26.978
	4	Lunana	38.519
		Total	**90.436**

cont...

Table 14.6 cont...

Dzongkhag	Sl. No.	Gewog	Capital (Nu. In million)
5. Haa	1	Bji	34.346
	2	Gakidling	25.019
	3	Katsho	12.569
	4	Sama	23.957
	5	Sangbeykha	22.136
	6	Uesu	22.292
		Total	**140.319**
6. Lhuentse	1	Gangzur	52.713
	2	Jarey	25.175
	3	Khoma	39.027
	4	Kurtoe	34.093
	5	Menbi	34.494
	6	Metsho	26.694
	7	Minji	28.187
	8	Tsenkhar	35.584
		Total	**275.967**
7. Monggar	1	Balam	22.574
	2	Chali	27.123
	3	Chaskhar	37.644
	4	Drametse	39.090
	5	Drepong	20.991
	6	Gongdue	31.133
	7	Jurmey	34.732
	8	Kengkhar	43.098
	9	Mongar	46.165
	10	Narang	23.411
	11	Ngatshang	26.524
	12	Saleng	41.824
	13	Sherimung	36.055
	14	Silambi	28.559
	15	Thangrong	32.240
	16	Tsakaling	25.786
	17	Tsamang	24.362
		Total	**541.311**

cont...

Table 14.6 cont...

Dzongkhag	Sl. No.	Gewog	Capital (Nu. In million)
8. Paro	1	Doga	19.433
	2	Dopshari	23.478
	3	Doteng	14.518
	4	Hungre	11.307
	5	Lamgong	22.873
	6	Lungnyi	20.208
	7	Naja	35.624
	8	Shaba	30.342
	9	Tsento	45.520
	10	Wangcha	36.711
		Total	**260.014**
9. Pema Gatshel	1	Chimung	12.802
	2	Chokhorling	15.226
	3	Chongshing	13.440
	4	Dechenling	26.382
	5	Dungmen	20.073
	6	Khar	22.457
	7	Nanong	28.663
	8	Norbugang	25.661
	9	Shumar	40.146
	10	Yurung	14.552
	11	Zobel	18.233
		Total	**237.635**
10. Punakha	1	Baap	23.801
	2	Chhubu	24.158
	3	Dzoma	18.171
	4	Goenshari	12.747
	5	Guma	29.490
	6	Kabjisa	27.870
	7	Lingmukha	9.966
	8	Shengana	15.111
	9	Talo	16.175
	10	Toebesa	20.654
	11	Toewang	23.137
		Total	**221.280**

cont...

Table 14.6 cont...

Dzongkhag	Sl. No.	Gewog	Capital (Nu. In million)
11. Samdrup Jongkhar	1	Dewathang	38.214
	2	Gomdar	41.287
	3	Langchenphu	21.334
	4	Lauri	56.009
	5	Martshalla	43.346
	6	Orong	43.662
	7	Pemathang	27.865
	8	Phuntshothang	48.899
	9	Samrang	6.377
	10	Serthi	38.655
	11	Wangphu	35.181
		Total	**400.829**
12. Samtse	1	Norgaygang	67.834
	2	Pemaling	54.561
	3	Sang Ngag Chhoeling	52.654
	4	Norboogang	64.547
	5	Denchukha	48.251
	6	Dophuchen	80.670
	7	Dungtoed	29.528
	8	Namgyel Chhoeling	53.085
	9	Phuntshopelri	63.013
	10	Samtse	57.882
	11	Trashichholing	43.668
	12	Tadhing	72.359
	13	Tendruk	72.115
	14	Ugyentse	26.423
	15	Yoeseltse	44.191
		Total	**725.042**
13. Sarpang	1	Samtenling	19.429
	2	Chuzargang	26.024
	3	Dekiling	37.669
	4	Chhuzom	31.841
	5	Gelephu	28.304
	6	Gakidling	32.445
	7	Jigmecholing	49.004
	8	Sershong	20.206
	9	Shompangkha	14.590
	10	Singye	12.949
	11	Tareythang	4.440
	12	Umling	17.129
		Total	**294.030**

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Table 14.6 cont...

Dzongkhag	Sl. No.	Gewog	Capital (Nu. In million)
14. Thimphu	1	Chang	23.699
	2	Dagala	16.783
	3	Geyni	11.277
	4	Kawang	24.432
	5	Lingshi	14.889
	6	Mewang	41.487
	7	Naro	11.031
	8	Soe	9.082
		Total	**152.680**
15. Trashigang	1	Bartsham	19.854
	2	Bidung	23.992
	3	Kanglung	47.271
	4	Kangpara	34.484
	5	Khaling	38.320
	6	Lumang	60.044
	7	Merak	39.079
	8	Phongme	33.616
	9	Radhi	37.330
	10	Sakteng	38.631
	11	Samkhar	30.845
	12	Shongphu	41.308
	13	Thrimshing	29.019
	14	Udzorong	42.583
	15	Yangnyer	33.485
		Total	**549.861**
16. Trashi Yangtse	1	Bumdeling	35.297
	2	Jamkhar	13.973
	3	Khamdang	29.597
	4	Ramjar	13.266
	5	Toetsho	20.473
	6	Tongmijangsa	17.241
	7	Yalang	18.321
	8	Yangtse	21.917
		Total	**170.085**
17. Trongsa	1	Drakteng	26.184
	2	Korphu	17.712
	3	Langthel	36.327
	4	Nubi	37.274
	5	Tangsibji	24.593
		Total	**142.090**

cont...

Table 14.6 cont...

Dzongkhag	Sl. No.	Gewog	Capital (Nu. In million)
18. Tsirang	1	Barshong	10.656
	2	Beteni	17.738
	3	Dunglagang	14.807
	4	Goseling	15.470
	5	Kikhorthang	21.289
	6	Mendregang	15.841
	7	Patale	18.380
	8	Phuentenchu	15.591
	9	Rangthangling	16.447
	10	Semjong	17.132
	11	Tsholingkhar	16.950
	12	Tsirangtoe	14.807
		Total	**195.108**
19. Wangdue Phodrang	1	Athang	25.066
	2	Bjena	22.002
	3	Daga	22.848
	4	Dangchu	19.895
	5	Gangtoe	20.113
	6	Gasetshogom	20.604
	7	Gasetshowom	13.329
	8	Kazhi	26.095
	9	Nahi	13.814
	10	Nyisho	23.864
	11	Phangyuel	13.496
	12	Phobjikha	24.462
	13	Ruepaisa	20.681
	14	Sephu	38.323
	15	Thedtsho	18.794
		Total	**323.386**
20. Zhemgang	1	Bardo	41.925
	2	Bjoka	24.384
	3	Goshing	31.792
	4	Nangkor	47.360
	5	Nangla	41.830
	6	Phangkhar	36.129
	7	Shingkhar	34.321
	8	Trong	45.965
		Total	**303.706**

Source: "Eleventh Five Year Plan Vol. I 2013-2018", Gross National Happiness Commission

The System of National Accounts (SNA) is a systematic framework of accounts that measures the level of economic development and the rate of economic growth over time. It gives a macroeconomic depiction of how the economy as a whole functions and its relationship with the rest of the world. This is measured conventionally through Gross Domestic Product (GDP).

GDP represents the end result of all economic activities that take place in the economy. It is the sum total of value of all goods and services produced within the economic boundary of the country, which are available for final uses such as consumption, investment and exports.

GDP is measured both in current and constant prices. The base year for GDP estimation in Bhutan is the year 2000. The current price estimate reflects the monetary value of all goods and services produced in the economy at prices prevailing in the year of reporting, while the constant price estimate reflects the monetary value of all goods and services at the base year prices. The estimation and compilation methodology is as per the United Nations System of National Accounting. GDP in Bhutan is estimated using production and expenditure approach.

The objective of the National Accounts Report is to provide timely, comprehensive and reliable description of the condition and performance of the economy. This is done through measurement of GDP, Gross National Income (GNI), and Final Consumption Expenditure (FCE), Gross Capital Formation (GCF), Saving and Net Exports. These information serve as useful and critical information to politicians, policy makers, planners, academicians, researchers and other users in the overall socio-economic planning and policy formulation, monitoring, analysis, and evaluation of the performance of the economy.

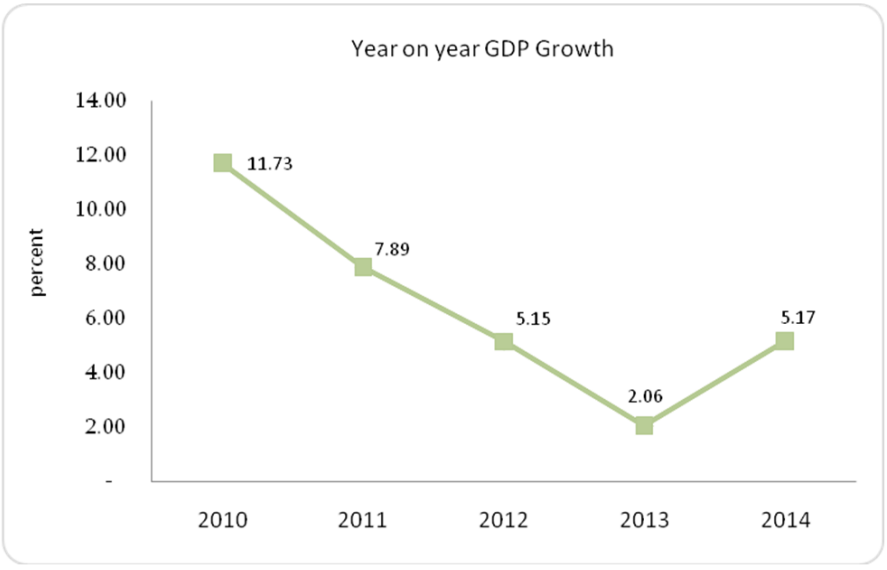

Table 15.1: GDP by Economic Activity at Current Prices, (2010 - 2014)

(Nu. in million)

Sectors	2010	2011	2012	2013	2014
1. Agriculture, Livestock & Forestry	12,177.83	13,868.37	15,558.29	16,969.71	20,050.39
1.1 Crops	6,530.14	7,665.37	8,635.21	9,404.66	12,029.02
1.2 Livestock	3,109.68	3,473.20	3,996.79	4,537.22	4,869.27
1.3 Forestry & Logging	2,538.01	2,729.79	2,926.29	3,027.84	3,152.09
2. Mining & Quarrying	1,616.89	1,941.73	1,961.96	2,793.69	3,376.43
3. Manufacturing	6,324.15	7,044.82	8,623.12	8,778.67	9,705.14
4. Electricity & Water Supply	12,763.60	11,911.61	12,303.14	15,230.29	16,917.83
4.1 Electricity	12,740.27	11,886.16	12,274.39	15,201.13	16,885.90
4.2 Water Supply	23.33	25.45	28.75	29.17	31.93
5. Construction	10,308.86	13,916.57	17,669.80	17,826.07	18,479.70
6. Wholesale & Retail Trade	3,752.55	4,641.79	5,917.59	6,823.31	8,471.66
7. Hotels & Restaurants	608.01	948.65	1,298.83	1,616.37	2,045.91
8. Transport, Storage & Communications	6,943.32	8,526.11	9,256.04	9,806.81	11,508.69
9. Financing, Insurance, Real Estates & Business Services	5,545.89	7,007.73	7,412.13	8,064.75	9,048.88
9.1 Finance & Insurance	3,987.66	5,136.84	5,384.96	5,781.09	6,461.22
9.2 Real Estate & Dwellings	1,507.70	1,815.30	1,947.27	2,198.01	2,489.76
9.3 Business Services	50.53	55.59	79.90	85.66	97.89
10. Community, Social & Personal Services	9,262.50	10,882.24	11,248.97	11,536.50	12,953.67
10.1 Public Administration	5,517.28	6,478.03	6,775.74	6,981.50	8,079.11
10.2 Education & Health	3,745.21	4,404.22	4,473.23	4,555.00	4,874.55
11. Private Social & Recreational Services	297.97	338.03	390.05	436.86	471.81
12. Taxes Net of Subsidies	2,895.07	3,922.37	5,813.03	5,495.31	6,515.65
GDP	**72,496.64**	**84,950.01**	**97,452.96**	**105,378.35**	**119,545.75**

Source: National Accounts Statistics, NSB

Table 15.2: Percentage Share of GDP by Economic Activity at Current Prices, (2010 - 2014)

Sectors	2010	2011	2012	2013	2014
1. Agriculture, Livestock & Forestry	16.80	16.33	15.96	16.10	16.77
1.1 Crops	9.01	9.02	8.86	8.92	10.06
1.2 Livestock	4.29	4.09	4.10	4.31	4.07
1.3 Forestry & Logging	3.50	3.21	3.00	2.87	2.64
2. Mining & Quarrying	2.23	2.29	2.01	2.65	2.82
3. Manufacturing	8.72	8.29	8.85	8.33	8.12
4. Electricity & Water Supply	17.61	14.02	12.62	14.45	14.15
4.1 Electricity	17.57	13.99	12.60	14.43	14.13
4.2 Water Supply	0.03	0.03	0.03	0.03	0.03
5. Construction	14.22	16.38	18.13	16.92	15.46
6. Wholesale & Retail Trade	5.18	5.46	6.07	6.48	7.09
7. Hotels & Restaurants	0.84	1.12	1.33	1.53	1.71
8. Transport, Storage & Communications	9.58	10.04	9.50	9.31	9.63
9. Financing, Insurance, Real Estates & Business Services	7.65	8.25	7.61	7.65	7.57
9.1 Finance & Insurance	5.50	6.05	5.53	5.49	5.40
9.2 Real Estate & Dwellings	2.08	2.14	2.00	2.09	2.08
9.3 Business Services	0.07	0.07	0.08	0.08	0.08
10. Community, Social & Personal Services	12.78	12.81	11.54	10.95	10.84
10.1 Public Administration	7.61	7.63	6.95	6.63	6.76
10.2 Education & Health	5.17	5.18	4.59	4.32	4.08
11. Private Social & Recreational Services	0.41	0.40	0.40	0.41	0.39
12. Taxes Net of Subsidies	3.99	4.62	5.96	5.21	5.45
Overall GDP	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**

Source: National Accounts Statistics, NSB

Table 15.3: Sectoral Growth Rates of GDP in Constant Prices, (2010 - 2014)

(Nu. in million)

Sectors	2010	2011	2012	2013	2014
1. Agriculture, Livestock & Forestry	0.85	2.41	2.25	2.40	2.37
1.1 Crops	1.17	2.94	2.35	3.38	3.98
1.2 Livestock	2.94	1.16	1.27	2.04	2.31
1.3 Forestry & Logging	(2.33)	2.93	3.29	0.82	(0.97)
2. Mining & Quarrying	8.51	24.19	(2.24)	36.20	17.01
3. Manufacturing	20.18	7.30	6.79	(5.25)	5.94
4. Electricity & Water Supply	5.45	(5.51)	(0.57)	10.76	(2.83)
4.1. Electricity	5.51	(5.41)	(0.59)	10.78	(2.85)
4.2. Water Supply	(14.67)	(43.15)	12.95	1.47	9.49
5. Construction	20.61	14.71	18.18	(2.16)	6.54
6. Wholesale & Retail Trade	20.02	19.21	17.45	6.81	13.65
7. Hotels & Restaurants	3.87	41.17	17.44	15.33	17.38
8. Transport, Storage & Communications	11.11	13.90	5.79	4.80	9.01
9. Financing, Insurance, Real Estates & Business Services	8.52	21.84	(7.20)	1.87	3.82
9.1 Finance & Insurance	10.12	25.82	(8.64)	1.49	3.82
9.2 Real Estate & Dwellings	2.28	7.44	(1.88)	3.55	3.76
9.3 Business Services	32.62	10.27	18.77	(1.45)	5.60
10. Community, Social & Personal Services	13.03	3.42	(6.43)	(5.68)	3.99
10.1 Public Administration	13.32	3.36	(5.32)	(5.27)	7.04
10.2 Education & Health	12.61	3.52	(8.06)	(6.32)	5.98
11. Private Social & Recreational Services	1.99	2.75	2.66	2.78	1.69
12. Taxes Net of Subsidies	57.00	20.04	37.42	(8.54)	13.56
Overall GDP	**11.73**	**7.89**	**5.07**	**2.14**	**5.17**

Source: National Accounts Statistics, NSB

Table 15.4: Gross Domestic Product by Major Economic Sectors in Current Prices, (2010 - 2014)

(Nu. in Million)

Sector	2010	2011	2012	2013	2014
1. Primary	12,177.83	13,868.37	15,558.29	16,969.71	20,050.39
2. Secondary	31,013.50	34,814.73	40,558.03	44,628.72	48,479.10
3. Tertairy	29,305.31	36,266.92	41,336.64	43,779.91	51,016.26
Overall GDP	**72,496.64**	**84,950.01**	**97,452.96**	**105,378.35**	**119,545.75**

Source: National Accounts Statistics, NSB

Table 15.5: Percentage Share of GDP by Major Sector in Current Prices, 2010 - 2014

Sector	2010	2011	2012	2013	2014
1. Primary	16.80	16.33	1,596.49	16.10	16.77
2. Secondary	42.78	40.98	4,161.81	42.35	40.55
3. Tertairy	40.42	42.69	4,241.70	41.55	42.68
Overall GDP	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**

Source: National Accounts Statistics, NSB

Table 15.6: Year on Year GDP Growth, (2010-2014)

(in Percent)

Sector	2010	2011	2012	2013	2014
1. Primary	0.85	2.41	2.25	2.40	2.37
2. Secondary	12.48	4.06	6.77	3.90	3.06
3. Tertairy	15.21	13.89	4.29	0.30	8.22
Overall GDP	**11.73**	**7.89**	**5.07**	**2.14**	**5.17**

Source: National Accounts Statistics, NSB

Table 15.7: GDP Share of Expenditure at Current Prices, (2010 - 2014)

(in Percent)

Expenditure	2010	2011	2012	2013	2014
1. Final Consumption Expenditure	65.62	61.46	59.10	73.79	63.31
Households & NPISHs	45.06	41.30	41.10	54.97	46.41
General Government	20.56	20.16	18.00	18.82	16.89
2. Gross Domestic Capital Formation	63.48	67.95	63.72	49.89	57.75
Construction	35.28	39.63	40.05	41.63	38.77
Machinery & Equipment	24.95	27.53	23.41	8.40	19.21
software data base dev.	1.99	1.07	0.13	0.20	0.29
Nvaluables	0.73	0.10	0.19	0.22	0.20
Changes in Inventories	0.53	(0.37)	(0.07)	(0.56)	(0.73)
3. Net Export	(29.09)	(29.41)	(22.81)	(23.68)	(21.05)
Export of Goods & Services	43.67	41.39	36.33	43.92	36.28
Import of Goods & Services	72.77	70.80	59.15	67.60	57.34
GDP, Expenditure	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**

Source: National Accounts Statistics, NSB

Table 15.8: GDP by Expenditure at Current Prices, (2010 - 2014)

(Nu. in million)

Description	2010	2011	2012	2013	2014
1. Final Consumption Expenditure	46,239.96	51,975.16	61,381.39	71,637.26	75,680.06
Households & NPISHs	31,752.11	34,927.33	42,690.24	53,362.80	55,486.02
General Government	14,487.85	17,047.84	18,691.15	18,274.46	20,194.04
2. Gross Domestic Capital Formation	44,732.16	57,469.55	66,180.82	48,432.57	69,034.09
a. Construction	24,863.87	33,517.76	41,603.17	40,414.59	46,352.54
b. Machinery & Equipment	17,579.01	23,280.94	24,314.12	8,155.02	22,969.21
c. Software, database dev. (gov)	1,399.94	902.60	137.34	193.48	350.83
d. Valuables	517.15	84.05	198.19	215.65	236.86
e. Changes in Inventories	372.18	(315.80)	(72.00)	(546.17)	(875.35)
3. Net Export	(20,501.25)	(24,874.52)	(23,693.89)	(22,988.64)	(25,168.39)
Export of Goods & Services	30,777.02	35,003.69	37,739.40	42,636.41	43,376.76
Import of Goods & Services	51,278.27	59,878.21	61,433.29	65,625.05	68,545.15
GDP, Expenditure	70,470.87	84,570.19	103,868.32	97,081.19	119,545.75
GDP, Production	72,496.64	84,950.01	97,452.96	105,378.35	119,545.75
Statistical Discrepancy	2,025.77	379.82	(6,415.36)	8,297.15	0.00

Source: National Accounts Statistics, NSB

Price statistics is an important macro-economic indicator to monitor the overall price movement in the economy. It provides information on inflationary trends in the economy which is essential for formulation of monetary and fiscal policies. It is also used in various other purposes like adjustment of income, deflator in economic series like GDP, business analysis, cost escalation, etc.

Bhutan currently compiles and publishes two price indices namely the Consumer Price Index (CPI) and the Producer Price Index (PPI). CPI is a measure of average price change over time in the prices of goods & services purchased by households whereas PPI is a measure of average price change over time in the prices of goods & services sold by domestic producers. CPI measures price change from a consumer's perspective while PPI measures price change from a producer's perspective.

Bhutan started the first compilation of CPI in 1979. CPI was published biannually from 1979 to 2003, and quarterly from third quarter of 2003 till fourth quarter of 2012. However, starting from January 2013 CPI is produced on a monthly basis. The index reference period is December 2012=100 based on which the relative index changes are compared. The current CPI is rebased using the recent BLLS 2012 data and reflects the latest expenditure pattern of the Bhutanese households.

The first PPI was published for 2nd quarter 2011. It is a quarterly publication, and provides monthly indices as well for monitoring price movements on a monthly basis. It includes sectors such as Logging, Mining & Quarrying, Manufacturing, Electricity & Water, Transport and Communication. PPI is compiled by economic activity using the International Standard Industrial Classification (ISIC rev. 4) and by Product group using the Central Product Classification (CPC ver. 2). The weight reference period for PPI is 2010 and the relative index changes are calculated based on September 2011=100 as the index reference period.

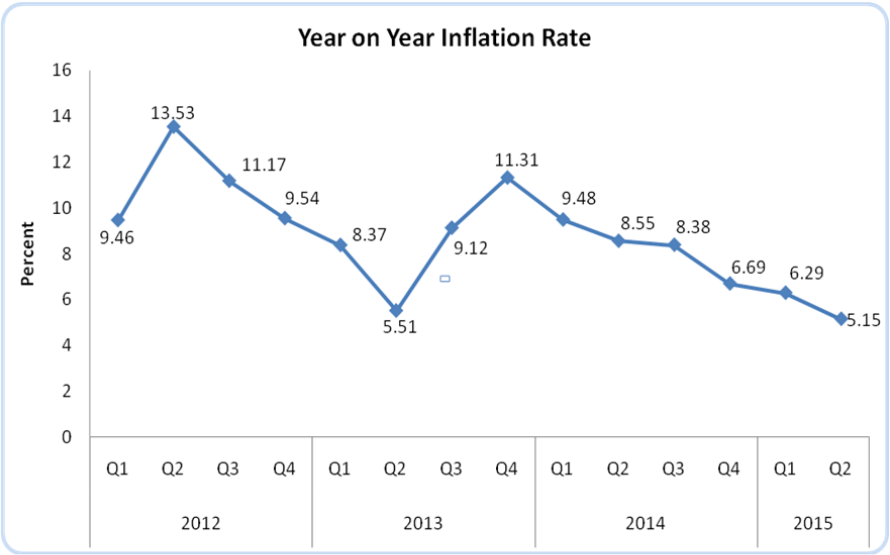

Table 16.1: Year on Year Inflation

Group	Weights	2014						
		Jan	Feb	Mar	Apr	May	June	July
Food	39.92	13.92	13.01	12.87	12.09	12.85	12.04	11.06
Non-Food	60.08	7.50	7.11	6.46	6.34	6.47	5.52	6.12
Total	**100**	**10.02**	**9.43**	**8.97**	**8.60**	**8.97**	**8.08**	**8.06**

Source: CPI Bulletin June 2015, National Accounts Division, NSB, Thimphu

Table 16.2: Year-on-Year Percent Change by Group Level

12 Major Groups	Weights	2014						
		Jan	Feb	Mar	Apr	May	June	July
Food and non-alcoholic Beverages	36.88	12.76	12.27	11.82	11.15	12.49	11.75	10.91
Alcoholic Beverages and Narcotics	3.03	29.06	22.43	26.55	24.19	17.32	15.66	13.07
Clothing and Footwear	9.20	16.43	12.75	11.72	12.03	6.41	5.66	6.77
Housing, Water, Electricity, Gas and other Fuels	21.70	6.24	6.64	7.38	8.06	11.27	9.73	5.29
Furnishing, Household Equipment and Routine Maintenance of the House.	2.22	16.57	12.83	10.48	8.80	7.33	7.27	6.79
Health	4.67	6.78	4.43	2.38	2.00	2.29	0.59	0.47
Transport	11.98	3.39	4.03	3.37	2.69	2.68	3.02	13.72
Communication	3.03	-0.29	-0.40	-0.44	-0.57	-0.95	-4.70	-4.74
Recreational and Culture	2.35	4.52	5.06	3.31	1.98	1.87	1.56	1.30
Education	1.64	9.63	14.96	6.10	6.10	6.10	6.10	5.84
Restuarents and Hotels	1.24	9.64	8.00	6.13	6.32	3.83	3.91	3.52
Miscellaneous Goods and Services	2.06	11.73	13.44	12.14	8.44	7.13	6.73	5.98
Total	**100.00**	**10.02**	**9.43**	**8.97**	**8.60**	**8.97**	**8.08**	**8.06**

Source: CPI Bulletin June 2015, National Accounts Division, NSB, Thimphu

					2015					
Aug	**Sept**	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**June**
9.66	9.14	6.62	6.12	5.13	4.94	4.77	4.77	3.85	2.85	2.07
8.08	7.84	7.31	6.96	7.23	7.15	7.37	7.28	6.93	6.50	6.55
8.71	**8.36**	**7.03**	**6.62**	**6.38**	**6.26**	**6.32**	**6.27**	**5.69**	**5.03**	**4.74**

					2015					
Aug	**Sept**	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**June**
9.48	9.76	7.02	6.53	5.45	5.26	5.10	5.06	4.05	2.95	2.17
12.21	2.28	2.44	2.01	2.19	2.12	1.72	2.27	2.37	2.50	1.78
4.01	3.09	2.67	2.18	2.54	1.67	3.28	3.24	1.86	6.29	6.53
12.20	12.19	10.92	10.59	11.40	11.38	11.50	10.25	9.69	6.31	5.47
5.95	4.75	4.37	3.83	4.21	3.64	3.11	3.14	4.15	3.38	3.46
0.55	0.55	0.66	0.10	0.10	0.08	2.63	4.02	3.37	2.76	2.98
13.76	14.16	13.91	13.43	12.93	12.65	11.76	12.54	12.77	13.27	13.72
-4.74	-4.77	-4.12	-4.12	-4.12	-4.31	-4.30	-4.27	-4.18	-3.89	0.10
0.91	0.94	1.22	1.24	1.36	1.43	-0.04	1.01	0.72	1.38	1.36
5.84	5.84	5.84	5.84	5.84	5.84	6.48	6.48	6.48	6.48	6.48
3.63	-0.56	-0.56	-0.44	0.34	4.91	5.05	6.19	6.62	8.15	8.36
4.96	4.15	3.78	3.58	3.25	4.71	3.12	3.75	4.85	4.51	4.26
8.71	**8.36**	**7.03**	**6.62**	**6.38**	**6.26**	**6.32**	**6.27**	**5.69**	**5.03**	**4.74**

Table 16.3: Month-on-Month Index and Percent Change in the CPI by Overall Index

Year	Month/ Weight	Index (December 2012=100)				Percent Change (%)		
		Group			Purchasing Power of Ngultrum (Nu.)	Group		
		Food	Non-Food	Total		Food	Non-Food	Total
	Weights	**39.92**	**60.08**	**100.00**		**39.92**	**60.08**	**100.00**
2014	Jan	115.34	110.29	112.28	89	-0.13	0.77	0.41
	Feb	115.60	110.45	112.48	89	0.22	0.15	0.18
	Mar	115.60	110.75	112.66	89	0.01	0.27	0.16
	Apr	116.71	111.11	113.31	88	0.95	0.33	0.58
	May	117.54	111.77	114.04	88	0.72	0.59	0.64
	Jun	118.81	112.10	114.73	87	1.08	0.30	0.61
	Jul	119.80	115.54	117.22	85	0.84	3.07	2.17
	Aug	120.25	116.56	118.02	85	0.38	0.89	0.68
	Sep	120.90	116.90	118.48	84	0.54	0.29	0.39
	Oct	120.98	117.04	118.60	84	0.07	0.12	0.10
	Nov	121.39	116.91	118.68	84	0.34	-0.11	0.07
	Dec	121.42	117.36	118.96	84	0.02	0.38	0.24
2015	Jan	121.04	118.17	119.31	84	-0.31	0.69	0.29
	Feb	121.11	118.59	119.59	84	0.05	0.36	0.23
	Mar	121.12	118.81	119.73	84	0.01	0.19	0.12
	Apr	121.21	118.82	119.77	83	0.07	0.00	0.03
	May	120.89	119.04	119.77	83	-0.26	0.18	0.01
	Jun	121.27	119.44	120.17	83	0.31	0.34	0.33

Source: CPI Bulletin June 2015, National Accounts Division, NSB, Thimphu

Table 16.4: Month-on-Month Index and Percent Change by Domestic

Year	Month/ weight	Index (December 2012=100)			Percent Change (%)		
		Group			Group		
		Food	Non-Food	Domestic	Food	Non-Food	Domestic
	Weights	**17.77**	**30.24**	**48.01**	**17.77**	**30.24**	**48.01**
2014	Jan	117.87	108.64	111.89	-0.57	0.62	0.19
	Feb	117.13	109.31	112.08	-0.63	0.62	0.17
	Mar	117.44	110.22	112.78	0.27	0.83	0.63
	Apr	117.94	110.80	113.33	0.43	0.52	0.49
	May	118.31	113.25	115.06	0.31	2.21	1.52
	Jun	119.84	113.48	115.74	1.29	0.20	0.60
	Jul	120.97	115.22	117.27	0.94	1.53	1.32

cont...

Table 16.4 cont...

	Aug	121.02	116.51	118.12	0.04	1.13	0.73
	Sep	121.17	116.58	118.22	0.12	0.05	0.08
	Oct	121.31	116.92	118.49	0.12	0.30	0.23
	Nov	121.82	116.93	118.68	0.42	0.01	0.16
	Dec	122.07	117.59	119.19	0.21	0.56	0.43
2015	Jan	121.89	117.84	119.29	-0.15	0.21	0.08
	Feb	122.15	118.58	119.86	0.22	0.63	0.48
	Mar	122.06	118.64	119.87	-0.08	0.05	0.00
	Apr	122.58	118.85	120.18	0.42	0.17	0.26
	May	122.08	118.94	120.06	-0.41	0.08	-0.10
	Jun	122.21	118.99	120.15	0.11	0.04	0.07

Source: CPI Bulletin June 2015, National Accounts Division, NSB, Thimphu

Table 16.5: Month-on-Month Index and Percent Change by Imported

Year	Month/ weight	Index (December 2012=100)			Percent Change (%)		
		Group			Group		
		Food	Non-Food	Domestic	Food	Non-Food	Domestic
	Weights	**17.77**	**30.24**	**48.01**	**17.77**	**30.24**	**48.01**
2014	Jan	113.55	111.98	112.66	0.22	0.92	0.62
	Feb	114.54	111.61	112.87	0.88	-0.33	0.19
	Mar	114.35	111.28	112.60	-0.17	-0.30	-0.24
	Apr	115.93	111.43	113.36	1.38	0.14	0.67
	May	117.13	110.28	113.20	1.04	-1.03	-0.14
	Jun	118.22	110.71	113.90	0.93	0.39	0.62
	Jul	119.14	115.86	117.27	0.78	4.65	2.96
	Aug	119.92	116.61	118.03	0.65	0.65	0.65
	Sep	120.97	117.22	118.83	0.88	0.52	0.68
	Oct	121.03	117.16	118.82	0.05	-0.05	-0.01
	Nov	121.39	116.89	118.82	0.30	-0.23	-0.00
	Dec	121.27	117.12	118.90	-0.10	0.20	0.07
2015	Jan	120.75	118.51	119.48	-0.43	1.19	0.49
	Feb	120.67	118.60	119.49	-0.07	0.07	0.01
	Mar	120.76	118.98	119.75	0.07	0.32	0.22
	Apr	120.53	118.79	119.54	-0.19	-0.16	-0.18
	May	120.35	119.14	119.66	-0.15	0.29	0.10
	Jun	120.92	119.90	120.34	0.48	0.64	0.57

Source: CPI Bulletin June 2015, National Accounts Division, NSB, Thimphu

Table 16.6: Month-on-Month Index and Percent Change by Group Level

Group			Food and non-alcoholic Beverages	Alcoholic Beverages and Narcotics	Clothing and Footwear	Housing, Water, Electricity, Gas and other Fuels	Furnishing, Household Equipment and Routine Maintenance of the House.	
Weights			36.89	3.03	9.20	21.70	2.20	
Index (December 2012=100)	2014	Jan	114.02	132.68	118.79	109.74	122.52	
		Feb	114.22	133.67	117.69	110.14	123.37	
		Mar	114.21	134.02	117.82	111.38	123.54	
		Apr	115.40	133.85	119.33	112.16	122.30	
		May	116.32	133.57	114.47	115.75	123.05	
		Jun	117.63	134.14	115.34	116.68	123.05	
		Jul	118.71	134.17	116.81	119.06	123.60	
		Aug	119.25	133.54	118.20	120.87	124.09	
		Sep	119.96	133.59	118.49	120.93	124.46	
		Oct	120.02	134.24	118.66	121.49	124.53	
		Nov	120.47	134.24	119.06	121.18	124.70	
		Dec	120.48	134.64	119.98	122.08	125.69	
	2015	Jan	120.02	135.49	120.77	122.22	126.98	
		Feb	120.05	135.97	121.56	122.80	127.20	
		Mar	119.98	137.06	121.65	122.80	127.41	
		Apr	120.08	137.02	121.55	123.03	127.38	
		May	119.75	136.91	121.67	123.06	127.21	
		Jun	120.18	136.54	122.87	123.06	127.31	

Health	Transport	Com-munica-tion	Recreational and Culture	Education	Restaurants and Hotels	Miscellaneous Goods and Services	Total
4.68	11.98	3.03	2.35	1.64	1.24	2.06	100.00
106.98	106.26	99.77	108.86	109.63	113.03	115.57	112.28
104.64	106.54	99.76	110.48	114.96	112.92	117.84	112.48
103.66	106.36	99.73	109.63	114.96	113.00	117.11	112.66
104.31	105.74	99.64	109.80	114.96	113.45	116.34	113.31
104.93	105.97	99.57	109.44	114.96	112.35	116.67	114.04
104.95	106.35	95.47	109.55	114.96	112.70	117.30	114.73
105.02	117.66	95.47	109.50	116.03	113.45	118.17	117.22
105.16	118.15	95.46	109.59	116.03	114.60	119.06	118.02
105.16	119.45	95.44	109.68	116.03	114.60	119.11	118.48
105.28	118.96	95.47	109.69	116.03	114.60	119.22	118.60
105.28	118.49	95.47	109.72	116.03	114.73	119.22	118.68
105.28	118.09	95.47	109.81	116.03	115.63	119.74	118.96
107.06	119.70	95.47	110.41	116.03	118.58	121.01	119.31
107.39	119.07	95.47	110.44	122.40	118.62	121.52	119.59
107.83	119.69	95.47	110.73	122.40	120.00	121.51	119.73
107.83	119.24	95.47	110.59	122.40	120.95	121.99	119.77
107.83	120.04	95.69	110.94	122.40	121.50	121.93	119.77
108.07	120.94	95.56	111.04	122.40	122.12	122.30	120.17

cont...

Table 16.6 cont...

Group			Food and non-alcoholic Beverages	Alcoholic Beverages and Narcotics	Clothing and Footwear	Housing, Water, Electricity, Gas and other Fuels	Furnishing, Household Equipment and Routine Maintenance of the House.	
Percent Change (%)	2014	Jan	-0.20	0.70	1.52	0.14	1.59	
		Feb	0.17	0.75	-0.92	0.36	0.69	
		Mar	-0.01	0.26	0.11	1.13	0.13	
		Apr	1.04	-0.13	1.28	0.71	-1.00	
		May	0.79	-0.20	-4.07	3.20	0.61	
		Jun	1.13	0.43	0.76	0.80	0.00	
		Jul	0.92	0.02	1.28	2.04	0.44	
		Aug	0.46	-0.46	1.18	1.52	0.40	
		Sep	0.60	0.03	0.25	0.05	0.30	
		Oct	0.05	0.49	0.14	0.46	0.05	
		Nov	0.38	0.00	0.34	-0.26	0.14	
		Dec	0.01	0.29	0.77	0.74	0.79	
	2015	Jan	-0.38	0.64	0.67	0.12	1.03	
		Feb	0.03	0.36	0.65	0.47	0.17	
		Mar	-0.06	0.80	0.07	-0.00	0.16	
		Apr	0.08	-0.03	-0.08	0.19	-0.02	
		May	-0.28	-0.08	0.10	0.02	-0.14	
		June	0.36	-0.28	0.99	0.00	0.08	

Source: CPI Bulletin June 2015, National Accounts Division, NSB, Thimphu

Health	Transport	Com-munica-tion	Recreational and Culture	Education	Restaurants and Hotels	Miscellaneous Goods and Services	Total
1.72	1.61	0.19	0.48	0.00	-1.91	-0.34	0.41
-2.18	0.26	-0.01	1.50	4.86	-0.11	1.96	0.18
-0.94	-0.17	-0.03	-0.78	0.00	0.07	-0.62	0.16
0.62	-0.58	-0.10	0.16	0.00	0.40	-0.66	0.58
0.60	0.22	-0.07	-0.33	0.00	-0.96	0.28	0.64
0.01	0.36	-4.11	0.11	0.00	0.31	0.54	0.61
0.07	10.63	0.00	-0.04	0.94	0.66	0.74	2.17
0.14	0.42	-0.01	0.08	0.00	1.01	0.75	0.68
0.00	1.09	-0.02	0.08	0.00	0.00	0.05	0.39
0.11	-0.41	0.03	0.01	0.00	0.00	0.09	0.10
0.00	-0.40	0.00	0.02	0.00	0.11	-0.00	0.07
0.00	-0.34	0.00	0.09	0.00	0.79	0.43	0.24
1.69	1.37	0.00	0.55	0.00	2.56	1.07	0.29
0.31	-0.53	-0.00	0.02	5.49	0.03	0.41	0.23
0.41	0.53	-0.00	0.26	0.00	1.16	-0.00	0.12
-0.00	-0.38	0.00	-0.12	0.00	0.80	0.39	0.03
0.00	0.67	0.23	0.32	0.00	0.46	-0.05	0.01
0.22	0.75	-0.14	0.08	0.00	0.50	0.30	0.33

Table 16.7: Monthly Producer Price Index (PPI) by Industry (September 2011=100)

Sectors	Share (%)	2014						
		Jan	Feb	Mar	Apr	May	Jun	Jul
Agriculture, Forestry and Logging	0.72	112.38	112.38	112.38	112.38	112.38	112.38	112.38
Mining and quarrying	0.89	115.59	115.66	115.83	115.77	115.43	115.79	114.88
Manufacturing	1.55	111.82	112.39	111.77	112.42	112.90	112.58	112.92
Electricity, gas, steam and air conditioning supply	35.35	111.05	111.05	111.05	111.05	111.05	111.05	113.03
Water supply; sewerage, waste management and remediation activities	0.08	109.39	109.39	109.39	109.39	109.39	109.39	109.39
Transport and Storage	2.45	119.10	119.17	118.48	118.15	117.59	117.81	118.00
Information and communication	0.33	89.72	89.72	89.72	89.72	89.72	89.72	89.72
All Industry	**41.36**	**111.08**	**111.36**	**111.04**	**111.32**	**111.50**	**111.38**	**112.20**

Source: PPI 2nd Qtr 2015, National Accounts Division, NSB, Thimphu.

Table 16.8: Monthly Percentage Change in Producer Price Index (PPI) by Industry

Sectors	Share (%)	2014						
		Jan	Feb	Mar	Apr	May	Jun	Jul
Agriculture, Forestry and Logging	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mining and quarrying	0.89	0.42	0.07	0.14	-0.05	-0.29	0.31	-0.79
Manufacturing	1.55	1.18	0.51	-0.55	0.58	0.43	-0.29	0.30
Electricity, gas, steam and air conditioning supply	35.35	0.00	0.00	0.00	0.00	0.00	0.00	1.78
Water supply; sewerage, waste management and remediation activities	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transport and Storage	2.45	-0.23	0.06	-0.58	-0.28	-0.47	0.18	0.16
Information and communication	0.33	0.12	0.00	0.00	0.00	0.00	0.00	0.00
All Industry	**41.36**	**0.58**	**0.25**	**-0.29**	**0.26**	**0.16**	**-0.11**	**0.73**

Source: PPI 2nd Qtr 2015, National Accounts Division, NSB, Thimphu.

					2015					
Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
112.38	112.38	112.38	112.38	112.38	112.38	112.38	112.38	112.38	112.38	112.38
114.65	115.05	114.76	115.21	115.16	117.08	117.62	116.64	116.95	117.33	117.61
112.19	112.26	112.95	112.57	112.55	110.18	109.64	109.75	107.39	106.83	106.63
113.03	113.03	113.03	113.03	113.03	113.03	113.03	113.03	113.03	113.03	113.03
109.39	109.39	109.39	109.39	109.39	109.39	109.39	109.39	109.39	109.39	109.39
118.44	118.43	118.68	118.86	119.92	119.13	120.20	120.43	120.65	120.65	120.65
89.72	89.72	89.72	89.72	89.72	89.76	89.76	89.76	89.76	89.76	89.76
111.87	**111.92**	**112.24**	**112.10**	**112.14**	**111.08**	**110.91**	**110.92**	**109.81**	**109.55**	**109.47**

					2015					
Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-0.20	0.35	-0.26	0.40	-0.05	1.67	0.46	-0.83	0.27	0.32	0.24
-0.64	0.06	0.61	-0.34	-0.01	-2.10	-0.49	0.10	-2.15	-0.52	-0.18
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.38	-0.01	0.21	0.15	0.90	-0.66	0.90	0.19	0.18	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00
-0.30	**0.05**	**0.29**	**-0.13**	**0.04**	**-0.95**	**-0.16**	**0.01**	**-1.00**	**-0.23**	**-0.07**

Table 16.9: Annual Percentage Change in Producer Price Index (PPI) by Industry

Sectors	Share (%)	2014						
		Jan	Feb	Mar	Apr	May	Jun	Jul
Agriculture, Forestry and Logging	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mining and quarrying	0.95	2.88	3.27	2.93	2.93	2.44	2.48	0.29
Manufacturing	0.35	4.32	4.35	4.22	5.28	5.36	4.96	5.13
Electricity, gas, steam and air conditioning supply	0.02	2.88	2.88	2.88	2.88	2.88	2.88	4.72
Water supply; sewerage, waste management and remediation activities	4.07	4.59	4.59	4.59	4.59	4.59	4.59	4.59
Transport and Storage	0.00	4.33	4.69	3.74	3.46	2.63	1.18	0.65
Information and communication	0.00	-9.83	-7.03	-7.03	-7.03	-7.03	-0.10	0.12
All Industry	**6.10**	**3.02**	**3.22**	**3.08**	**3.56**	**3.52**	**3.59**	**4.16**

Source: PPI 2nd Qtr 2015, National Accounts Division, NSB, Thimphu.

Table 16.10: Monthly Producer Price Index (PPI) by Product

Description	Share (%)	2014						
		Jan	Feb	Mar	Apr	May	Jun	Jul
Agriculture, Forestry and Fishery Products	0.72	112.38	112.38	112.38	112.38	112.38	112.38	112.38
Ores and Minereals; Electricity, gas and water	5.81	115.59	115.66	115.83	115.77	115.43	115.79	114.88
Food products, beverages and tobacco; textiles, apparel and leather products	3.56	108.87	108.98	110.09	111.44	111.27	110.91	110.21
Other transportable goods, except metal products, machinery and equipment	15.36	116.26	117.11	115.38	115.39	115.47	114.74	114.31
Metal products, machinery and equipment	28.75	109.88	110.36	110.10	110.98	111.75	111.65	112.51
Distributive trade services; accommodation, food and beverage serving services; transport services; and electricity, gas and water distribution services	41.34	112.16	112.17	112.08	112.03	111.96	111.99	113.72
Business and production services	4.47	89.72	89.72	89.72	89.72	89.72	89.72	89.72
All Product	**100.00**	**111.08**	**111.36**	**111.04**	**111.32**	**111.50**	**111.38**	**112.20**

Source: PPI 2nd Qtr 2015, National Accounts Division, NSB, Thimphu.

					2015					
Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-0.48	-0.27	-0.31	0.09	0.04	1.29	1.69	0.70	1.02	1.64	1.57
4.29	2.69	2.81	1.83	1.84	-1.46	-2.45	-1.81	-4.47	-5.38	-5.28
4.72	4.72	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-0.51	-0.71	0.39	0.06	0.45	0.03	0.87	1.65	2.12	2.60	2.41
0.12	0.12	0.12	0.12	0.12	0.05	0.05	0.05	0.05	0.05	0.05
3.65	**2.88**	**1.98**	**1.52**	**1.54**	**0.00**	**-0.41**	**-0.11**	**-1.36**	**-1.75**	**-1.71**

					2015					
Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
112.38	112.38	112.38	112.38	112.38	112.38	112.38	112.38	112.38	112.38	112.38
114.65	115.05	114.76	115.21	115.16	117.08	117.62	116.64	116.95	117.33	117.61
109.73	108.28	110.22	110.22	110.42	110.49	110.64	110.35	110.46	110.38	110.38
114.37	114.48	114.51	114.51	114.51	113.95	113.95	115.52	116.41	116.41	116.17
111.35	111.59	112.46	111.83	111.78	108.19	107.28	106.71	102.51	101.63	101.43
113.78	113.78	113.81	113.84	113.98	113.87	114.02	114.05	114.08	114.08	114.08
89.72	89.72	89.72	89.72	89.72	89.76	89.76	89.76	89.76	89.76	89.76
111.87	**111.92**	**112.24**	**112.10**	**112.14**	**111.08**	**110.91**	**110.92**	**109.81**	**109.55**	**109.47**

Table 16.11: Monthly Percentage Change in Producer Price Index (PPI) by Product

Description	Share (%)	2014						
		Jan	Feb	Mar	Apr	May	Jun	Jul
Agriculture, Forestry and Fishery Products	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ores and Minereals; Electricity, gas and water	5.81	0.42	0.07	0.14	-0.05	-0.29	0.31	-0.79
Food products, beverages and tobacco; textiles, apparel and leather products	3.56	-0.00	0.10	1.02	1.23	-0.15	-0.32	-0.63
Other transportable goods, except metal products, machinery and equipment	15.36	2.41	0.74	-1.48	0.01	0.07	-0.63	-0.37
Metal products, machinery and equipment	28.75	0.68	0.44	-0.24	0.80	0.70	-0.10	0.78
Distributive trade services; accommodation, food and beverage serving services; transport services; and electricity, gas and water distribution services	41.34	-0.03	0.01	-0.08	-0.04	-0.07	0.03	1.55
Business and production services	4.47	0.12	0.00	0.00	0.00	0.00	0.00	0.00
All Product	**100.00**	**0.58**	**0.25**	**-0.29**	**0.26**	**0.16**	**-0.11**	**0.73**

Source: PPI 2nd Qtr 2015, National Accounts Division, NSB, Thimphu.

Table 16.12: Annual Percentage Change in Producer Price Index (PPI) by Product

Description	Share (%)	2014						
		Jan	Feb	Mar	Apr	May	Jun	Jul
Agriculture, Forestry and Fishery Products	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ores and Minereals; Electricity, gas and water	5.81	2.88	3.27	2.93	2.93	2.44	2.48	0.29
Food products, beverages and tobacco; textiles, apparel and leather products	3.56	0.42	-1.33	0.96	3.40	3.74	3.51	1.81
Other transportable goods, except metal products, machinery and equipment	15.36	2.25	2.85	1.29	1.36	1.33	0.72	-0.64
Metal products, machinery and equipment	28.75	5.95	5.89	6.24	7.67	7.78	7.48	8.78
Distributive trade services; accommodation, food and beverage serving services; transport services; and electricity, gas and water distribution services	41.34	3.09	3.14	3.01	2.97	2.85	2.64	4.13
Business and production services	4.47	-9.83	-7.03	-7.03	-7.03	-7.03	-0.10	0.12
All Product	**100.00**	**3.02**	**3.22**	**3.08**	**3.56**	**3.52**	**3.59**	**4.16**

Source: PPI 2nd Qtr 2015, National Accounts Division, NSB, Thimphu.

					2015					
Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-0.20	0.35	-0.26	0.40	-0.05	1.67	0.46	-0.83	0.27	0.32	0.24
-0.44	-1.32	1.79	0.00	0.18	0.06	0.14	-0.27	0.10	-0.08	0.00
0.05	0.09	0.02	0.00	0.00	-0.49	0.00	1.38	0.77	0.00	-0.20
-1.03	0.21	0.78	-0.56	-0.05	-3.22	-0.84	-0.53	-3.94	-0.86	-0.20
0.05	-0.00	0.03	0.02	0.13	-0.09	0.13	0.03	0.03	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00
-0.30	**0.05**	**0.29**	**-0.13**	**0.04**	**-0.95**	**-0.16**	**0.01**	**-1.00**	**-0.23**	**-0.07**

					2015					
Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-0.48	-0.27	-0.31	0.09	0.04	1.29	1.69	0.70	1.02	1.64	1.57
1.85	-0.34	1.43	0.64	1.42	1.48	1.52	0.23	-0.88	-0.81	-0.48
0.63	0.08	-0.27	-0.38	0.87	-1.99	-2.71	0.12	0.89	0.81	1.25
6.61	4.50	4.68	3.19	2.42	-1.54	-2.79	-3.07	-7.64	-9.06	-9.15
3.95	3.92	1.58	1.53	1.59	1.53	1.65	1.76	1.83	1.90	1.87
0.12	0.12	0.12	0.12	0.12	0.05	0.05	0.05	0.05	0.05	0.05
3.65	**2.88**	**1.98**	**1.52**	**1.54**	**0.00**	**-0.41**	**-0.11**	**-1.36**	**-1.75**	**-1.71**

The data available in this chapter areas reported and registered by Royal Bhutan Police. The statistics presented here are those compiled by the Crime and Operations Divisions, Royal Bhutan Police from various police stations at the Dzongkhags. This sector presents the details of crime statistics by various categories by nature of crime.

As of 2010 there were 4,199 reported cases and it decreased to 2,334 in 2014, which indicates a decrease of over 44 percent. The total reported figures exclude motor vehicle accidents.

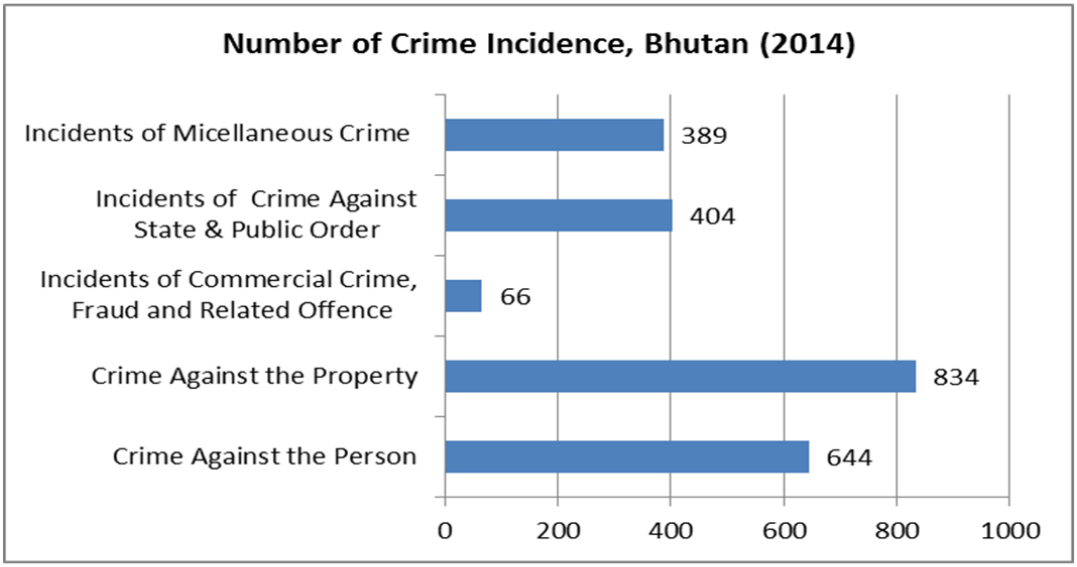

Table 17.1: Total Number of Crime Incidents and Type of Offences by Dzongkhag, Bhutan, 2014

(Number of Incidents)

Nature of Crime	Bumthang	Chhukha	Dagana	Gasa	Haa	Lhuentse	Monggar	Paro	Pema Gatshel	Punakha	Samdrup Jongkhar	Samtse	Sarpang	Thimphu	Trashigang	Trashi Yangtse	Trongsa	Tsirang	Wangdue Phodrang	Zhemgang	Bhutan
Crime Against the Person																					
Homicide	0	2	3	0	1	0	0	2	0	1	1	1	1	0	3	0	0	2	2	2	**21**
Assault,Battery & Related Offences	19	42	8	1	6	7	35	34	10	17	10	33	43	166	36	9	17	13	18	8	**532**
Kidnapping & Related offences	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	1	0	0	**6**
Sexual Offences	0	10	0	0	1	1	8	6	2	2	2	6	11	16	4	1	3	3	4	1	**81**
Offences against Infant,Child,Mentally disabled & Incompetent person	0	0	0	0	0	1	0	0	0	0	0	1	0	1	1	0	0	0	0	0	**4**
Crime Against the Property																					
Arson & Related Offences	0	0	0	0	0	1	0	0	2	0	0	3	0	0	3	0	0	0	0	0	**9**
Burglary,Trespass & Related Offences	6	21	2	1	5	4	4	23	2	7	8	16	13	148	12	2	12	1	19	5	**311**
Larceny, Robbery, Armed Robbery & Related Offences	9	86	8	1	0	11	7	23	5	4	14	19	30	226	8	2	13	8	38	2	**514**
Incidents of Commercial Crime, Fraud and Related Offence																					
Money Laundering & Smuggling	0	2	0	0	5	0	0	11	0	0	1	0	0	4	1	0	0	0	0	0	**24**

cont...

Table 17.1 cont...

Nature of Crime	Bumthang	Chhukha	Dagana	Gasa	Haa	Lhuentse	Monggar	Paro	Pema Gatshel	Punakha	Samdrup Jongkhar	Samtse	Sarpang	Thimphu	Trashigang	Trashi Yangtse	Trongsa	Tsirang	Wangdue Phodrang	Zhemgang	Bhutan
Embezzlement & Bribery	0	3	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	**6**
Forgery & Related Offences	0	6	1	0	0	0	0	0	1	0	0	0	4	15	0	1	0	1	1	0	**30**
Defamation & Related Offences	0	1	1	0	0	0	0	2	0	0	0	0	0	1	0	0	0	1	0	0	**6**
Incidents of Crime Against State & Public Order																					
Treason,Terrorism & Related Offences	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	0	0	0	0	**4**
Offences against Cultural & National Heritage	6	9	13	4	2	30	43	12	14	10	5	0	1	17	35	6	13	0	11	12	**246**
Offences against Judicial Authority	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
Prostitution & Related Offences	0	4	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	**5**
Offences against the Public Welfare	3	1	0	0	1	0	7	11	1	1	0	1	1	58	9	2	3	2	5	1	**107**
Offences Related to Public & Civic Duties	0	0	0	0	1	0	0	1	0	0	0	0	2	0	0	1	2	0	1	0	**8**
Offences Related to Public Order & Tranquillity	4	4	0	0	0	0	5	4	1	0	0	3	5	3	1	1	2	1	0	0	**34**
Incidents of Abetting,Solicitaion & Criminal Conspiracy																					

cont...

Table 17.1 cont...

Nature of Crime	Bumthang	Chhukha	Dagana	Gasa	Haa	Lhuentse	Monggar	Paro	Pema Gatshel	Punakha	Samdrup Jongkhar	Samtse	Sarpang	Thimphu	Trashigang	Trashi Yangtse	Trongsa	Tsirang	Wangdue Phodrang	Zhemgang	Bhutan
Aiding & Abetting,Solicitaion & Criminal Conspiracy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
Incidents of Micellaneous Crime																					
Offences against Privacy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
Computer Offences	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	**2**
Offences Related to Fire Arms & Weapons	0	0	0	0	0	1	0	0	1	1	0	0	0	6	4	0	1	2	0	1	**17**
Offences Related to Protected Species,Controlled & Other Harmful Substances	2	157	3	0	1	0	4	11	1	11	3	10	31	86	14	1	2	3	25	5	**370**
Grand Total	**50**	**348**	**40**	**7**	**23**	**56**	**113**	**140**	**40**	**54**	**45**	**96**	**146**	**751**	**131**	**27**	**68**	**38**	**124**	**37**	**2,334**

Source: Crime & Operations, Royal Bhutan Police, Thimphu.

Table 17.2: Monthly Motor Vehicle Accident by Dzongkhag, Bhutan, 2014

(Incidents)

Dzongkhag	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Bumthang	2	0	0	0	0	0	0	0	0	0	0	0	**2**
Chhukha	9	8	4	16	8	9	5	4	2	11	3	5	**84**
Dagana	0	0	2	0	0	0	1	0	1	0	0	2	**6**
Gasa	0	0	0	0	0	0	0	0	0	0	0	0	**0**
Haa	0	0	0	0	0	0	0	0	0	0	0	0	**0**
Lhuentse	0	0	0	0	0	0	0	0	0	0	0	0	**0**
Monggar	0	1	2	0	2	0	0	1	0	0	0	0	**6**
Paro	11	11	3	0	4	5	3	0	1	1	0	2	**41**
Pema Gatshel	0	0	0	0	0	0	0	0	0	0	0	0	**0**
Punakha	0	1	0	1	0	0	0	0	0	1	0	1	**4**
Samdrup Jongkhar	0	5	1	1	2	0	0	0	0	2	0	0	**11**
Samtse	1	0	0	0	0	0	0	0	0	0	0	2	**3**
Sarpang	3	1	3	2	0	0	0	0	0	0	0	1	**10**
Thimphu	51	57	72	51	52	45	58	49	46	46	39	36	**602**
Trashigang	1	0	1	0	0	0	0	0	0	0	0	0	**2**
Trashi Yangtse	0	0	0	0	0	0	0	0	0	0	0	0	**0**
Trongsa	1	0	0	0	0	0	0	0	1	0	1	1	**4**
Tsirang	0	0	0	0	0	0	0	0	0	0	0	0	**0**
Wangdue Phodrang	1	3	1	0	2	0	1	2	2	0	1	1	**14**
Zhemgang	1	0	0	0	0	0	0	0	0	1	0	0	**2**
Bhutan	**81**	**87**	**89**	**71**	**70**	**59**	**68**	**56**	**53**	**62**	**44**	**51**	**791**

Source: Crime & Operations, Royal Bhutan Police, Thimphu.

Table 17.3: Houses Destroyed by Fire by Dzongkhag, Bhutan, (2010-2014)

(Incidents)

Dzongkhag	2010	2011	2012	2013	2014
Bumthang	59	58	0	4	2
Chhukha	1	2	9	2	1
Dagana	0	0	0	0	0
Gasa	0	0	0	0	0
Haa	0	4	3	5	2
Lhuentse	4	0	0	0	2
Monggar	0	0	5	0	0
Paro	7	9	2	0	4
Pema Gatshel	0	1	2	2	0
Punakha	1	1	0	0	1
Samdrup Jongkhar	1	1	0	0	0
Samtse	5	3	0	1	1
Sarpang	1	0	1	2	1
Thimphu	13	22	16	18	15
Trashigang	0	0	0	7	1
Trashi Yangtse	2	6	0	2	1
Trongsa	1	2	3	0	1
Tsirang	1	0	0	0	0
Wangdue Phodrang	1	2	1	2	0
Zhemgang	0	0	0	0	0
Bhutan	**97**	**111**	**42**	**45**	**32**

Source: Fire Division, Royal Bhutan Police, Thimphu.

Table 17.4: Fines Imposed for Violation of Traffic Rules, Bhutan, (2009-2014)

(Nultrum in million)

Dzongkhag	2010	2011	2012	2013	2014
Division I	0.746	0.918	2.031	1.161	1.022
Division II	0.369	0.292	0.598	0.364	0.246
Division III	1.018	1.707	2.447	2.02	2.697
Division IV	0.184	0.646	0.474	0.661	0.817
Division V	0.477	0.622	0.481	0.725	0.693
Division VI	0.310	0.355	0.773	0.035	0.562
Division VII	0.471	0.233	0.726	0.094	0.428
Division VIII	0.176	0.348	0.782	0.338	0.608
Division IX	0.281	0.511	0.352	0.292	0.500
Division X	0.274	0.451	0.191	0.444	0.428
Division XI	2.790	3.346	21.08	11.46	7.419
Division XII	0.615	0.836	1.221	0.769	1.291
Division XIII	0.000	0.000	0.000	0.000	0.288
Total	**7.711**	**10.265**	**31.156**	**18.363**	**17.001**

Source: Traffic Division, Royal Bhutan Police, Thimphu.

List of Dzongkhags, Gewogs and Chiwogs, Bhutan, 2015.

Dzongkhag	Gewog	Chiwog
1. Bumthang	1. Chhoekhor	1. Nangisphel_ Zangling_Zhabjethang 2. Dhur_Lusibee 3. Kharsa_Thangbi 4. Dawathang_Dorjibi_Kashingtsawa 5. Pedtsheling_Tamzhing
	2. Chhumig	1. Gyaltsa 2. Domkhar 3. Phurjoen 4. Zung-Ngae 5. Choongphel
	3. Tang	1. Tadingang 2. Khangrab 3. Kidzom_Nyimalung 4. Dazur 5. Bezur_Kuenzargdrag
	4. Ura	1. Beteng_Pangkhar_Somthrang 2. Shing-Nyer 3. Singkhar 4. Tangsibi 5. Ura-Dozhi
2. Chhukha	1. Bjagchhog	1. Bjagchhog 2. Mebisa 3. Tashi Gatshel 4. Tsimakha Tsimasham 5. Wangkha
	2. Bongo	1. Baeyuel Kunzang 2. Bongo Phasooma 3. Choongkha Chhasilakha 4. Gedu Miritsemo 5. Ketogkha 6. Togtokha Togtogongm

cont...

Table 17.5 cont...

Dzongkhag	Gewog	Chiwog
2. Chhukha	3. Chapchha	1. Bunakha 2. Dokharchhu Rimtekha 3. Gangkha Shelyuel 4. Lang Nyelsa 5. Pagga 6. Tshamdrag
	4. Darla	1. Gamanang Kalzangri 2. Gengu Yagang 3. Nyimgang Tabji 4. Samarchen Sinchula 5. Sharphug 6. Tagp-thang-boog
	5. Doongna	1. Babana Papaling 2. Chhulakha Mangdokha 3. Damchekha Uezhi 4. Doongna Pagsellhakha 5. Drukdingsa Khori
	6. Geling	1. Dagpa Sorchhen 2. Dilibkha Lamjokha 3. Geling Geygoen 4. Gelingkha Tsanglina 5. Kamji Nayekha
	7. Getana	1. Bachhu Getana 2. Chiyuel Getag 3. Darga Tshebji 4. Janamo Phootsha 5. Tashigang
	8. Loggchina	1. Aamleg Dofam 2. Chagdokha Damchekha 3. Dolepchen Bjagchhu 4. Dzedokha 5. Mongna Lhasarp

cont...

Table 17.5 cont...

Dzongkhag	Gewog	Chiwog
2. Chhukha	9. Maedtabkha	1. Gumina Tenchhukha 2. Jozhingkha Maedtab Toed 3. Maedtab Maed 4. Pangu 5. Uekha
	10. Phuentshogling	1. Chonggeykha Dophulakha 2. Deling Marpji 3. Dophugchen Wangduegatshel 4. Lingdaen 5. Pachhu
	11. Samphelling (Bhalujora)	1. Gorgboogang Pangna 2. Khenpaithang Soramthang 3. Pedtshelnang 4. Pekarling Rigzingling 5. Sengyagang Tshochhoongna
3. Dagana	1. Dorona	1. Dorona Chhewa 2. Dorona Chhongwa 3. Maamedthang 4. Nyimtola 5. Tshalamji
	2. Drukjegang	1. Ambithang Pangserpo 2. Budepang Pangna 3. Pangna Patala 4. Pangserpo 5. Thangna
	3. Gesarling	1. Gesarling 2. Phuensoomgang 3. Samtengang 4. Tajoog 5. Tashithang
	4. Gozhi	1. Baleggang 2. Dogaag 3. Gozhi 4. Gozhi Maed 5. Gozhi Toed

cont...

Table 17.5 cont...

Dzongkhag	Gewog	Chiwog
3. Dagana	5. Karmaling (Deorali)	1. Jemathang 2. Karmaling 3. Labtsakha 4. Omchhu 5. Senchumthang
	6. Karna	1. Bartsha Namgyalgang 2. Dalithang Gangjab Khagochen 3. Jurugang 4. Lhaling 5. Purgzhi
	7. Khebisa	1. Akhochen 2. Gibsa 3. Pagser 4. Pogtog 5. Thomgang
	8. Largyab	1. Baloong 2. Barna 3. Kompa 4. Sidpa 5. Thasa
	9. Lhamoi-Dzingkha	1. Chongsamling 2. Kuendrelthang 3. Lhamoidzingkha 4. Loongilsa 5. Tshaemzhigosa
	10. Nichula	1. Damchhunang 2. Dangreyboog 3. Dramzekesa 4. Gangtogkha 5. Yarpheling
	11. Tashiding	1. Gangyab 2. Namchagla 3. Norbuling 4. Shamdolay 5. Tashiding

cont...

Table 17.5 cont...

Dzongkhag	Gewog	Chiwog
3. Dagana	12. Tsangkha	1. Gelegchhu 2. Goongpa Soomchu 3. Pateykha 4. Tsangkha 5. Zinchila
	13. Tsenda-Gang	1. Gangzur Maed 2. Gangzur Toed 3. Norbuzingkha 4. Samarchu 5. Tsendagang
	14. Tseza	1. Karlingzingkha 2. Pelling 3. Samaed 4. Tashigang 5. Tsangleykha
4. Gasa	1. Khamaed	1. Barsha Panikong 2. Damji 3. Gayza Zomina 4. Jabisa 5. Khailog Tashithang
	2. Khatoed	1. Baychhu Tshedpgang 2. Chhogley Phulakha 3. Mani 4. Rimi 5. Tsheringkha
	3. Laya	1. Chongra Loobcha 2. Gayza Lunggo 3. Neylug 4. Pazhi 5. Toedkor
	4. Lunana	1. Lhedi 2. Raminang Uesana 3. Shang Threlga Wachey 4. Thangza Toenchoe 5. Tshozhong

cont...

Table 17.5 cont...

Dzongkhag	Gewog	Chiwog
5. Haa	1. Bji	1. Chenpa Geychhukha 2. Choompa Jamgoen 3. Gyensa Tokey 4. Tsenka Taloong 5. Yangthang
	2. Gakidling	1. Dorithasa Kowkha Yangtse 2. Fentena Sertena 3. Phootsena Ngatse 4. Rangtse Tanga Yokha 5. Saidzong Thangdokha
	3. Kar-tshog	1. Bali Mombitshokha 2. Dragding Karjena 3. Ingo Pharikha 4. Kargoen Hatam 5. Wangtsa
	4. Samar	1. Balamnang 2. Dorikha Langjogang 3. Jenkanang Pudunang 4. Langpa Norbugang 5. Sharri
	5. Sangbay	1. Anakha Shepji 2. Mochhu 3. Nakha Tashigang 4. Sangbay Ama 5. Shema Yaba
	6. Uesu	1. Betso Doomchhog 2. Geyruna Karnag 3. Kipri Tagchhu 4. Pajekha Sangkiri 5. Tshaphel Tsiloongkha
6. Lhuentse	1. Gangzur	1. Ney 2. Jang_Ngar 3. Kyidloong _Somshing 4. Nyimzhong _Tongling 5. Thrima Shawa _Zhamling

cont...

Table 17.5 cont...

Dzongkhag	Gewog	Chiwog
6. Lhuentse	2. Jarey	1. Artobi Ngangngae 2. Kharchung 3. Ladrong 4. Yabi Zangkhar 5. Yumchhe
	3. Khoma	1. Babtong_ Dragteng 2. Berpa _Khoma 3. Gangla_ Kholma 4. Pangkhar 5. Rolmateng _Tsangngo
	4. Kurtoed	1. Chagdzom_ Chhusa 2. Dungkar 3. Jasabi_ Ugyenphoog 4. Tabi 5. Tangroong _Wawel
	5. Maedtsho	1. Bamdhir _Yurung 2. Gortshom _Tshangthromaed 3. Obi _Tongthrong 4. Oonggar 5. Zhongmaed
	6. Maenbi	1. Kamdhar_ Moormo 2. Maenjabi 3. Nyaibi _Zhungkhar 4. Phagidoong 5. Tagmochhu _Gorgan
	7. Minjey	1. Amdrangchhu _Zham 2. Boodur_ Kupinyalsa 3. Chusa _Legshogang 4. Draaggong_ Jalang 5. Minjey _Wangzhing
	8. Tsaenkhar	1. Artobadeb_ Guendrang 2. Autsho_ Chharbi 3. Dekaling _Tshochhen 4. Domkhar _Umling 5. Gonyid_ Wambur

cont...

Table 17.5 cont...

Dzongkhag	Gewog	Chiwog
7. Monggar	1. Balam	1. Bahkaphai 2. Balam Morphu 3. Doongmanma Selkhar 4. Jadoong Yangbari 5. Khebishing
	2. Chagsakhar	1. Borphai Chagsakhar 2. Doongsingma Pam 3. Kharnang Kheshingra 4. Yangrapoongshing 5. Yetong Jarshingpogtor
	3. Chhaling	1. Chhaling Dopang 2. Chulabi 3. Pangthang Thempang 4. Shebchi Yangthang 5. Wangmakhar Khalangji
	4. Dramedtse	1. Baging Shadang 2. Bikhar Thoongdari 3. Dramedtse Shaphangma 4. Serkhagphoog Yengkhartshing 5. Zangkhar
	5. Drepoong	1. Bainangri Nyamla 2. Boompazor Drepoong 3. Chhagsuzor Tsangkhar 4. Labtsa Shinggar 5. Zunglen
	6. Gongdue	1. Baagla Dengkaling 2. Daagsa Kumadzong 3. Damkhar Weringla 4. Phadzong 5. Pikari Yangbari
	7. Jurmed	1. Bilam Dangkila 2. Kognala Yaragla 3. Moodoongkhar Tselam 4. Moogtangkhar Tsangkhazor 5. Ngamphoog Sangkama

cont...

Table 17.5 cont...

Dzongkhag	Gewog	Chiwog
7. Monggar	8. Kengkhar	1. Dogtang Mooroong 2. Kyidpari Yuldarig 3. Neykolog Warongborang 4. Olokid Tsalabi 5. Phosothong Shingchongri 6. Tongla Zitsibi
	9. Monggar	1. Gyalpoizhing Wangling 2. Kidekhar 3. Koenbar Tagchhu 4. Phosorong 5. Themnangbi Kentongri 6. Wengkhar Yagpoogang
	10. Na-Rang	1. Dongshoom Pangkhang 2. Gomchhu 3. Khalong 4. Narang Pangthang 5. Thrinangphu
	11. Ngatshang	1. Ngatshaang 2. Nyingala Phanasi 3. Phelshoob 4. Thoombari Zangdari 5. Yadi Yekhar
	12. Saling	1. Drogsar 2. Kalapang Resa 3. Saling 4. Senggor 5. Thridangbi 6. Tsenzabi Masangdaza
	13. Shermuhoong	1. Gangmoong 2. Jabang Thueling 3. Malang Serzhong 4. Muhoong Shiling 5. Soenakhar Yarab

cont...

Table 17.5 cont...

Dzongkhag	Gewog	Chiwog
7. Monggar	14. Silambi	1. Daag 2. Gyalong 3. Kadag Silambi 4. Pang Nagor 5. Wama
	15. Thang-Rong	1. Atola 2. Bauchhoeling Panglen 3. Changshing 4. Lingkhar 5. Ngaru Pongtang
	16. Tsakaling	1. Drengling Horong 2. Drongtoed Tormazhong 3. Kaling Thoomling 4. Nyartsi Tsakaling 5. Tagkhambi
	17. Tsamang	1. Baanjar 2. Drangmaling Nanggor 3. Ganglapong Maed 4. Ganglapong Toed 5. Thuenmong Tokari
8. Paro	1. Dokar	1. Dawakha Tshongkha 2. Goensakha Phuchhekha 3. Khamdraag Sali 4. Mendrel Uesuna 5. Tenchhekha Tsiphoog
	2. Dopshar-ri	1. Duezhi Jipa 2. Jangsa Jooka 3. Jizhigang 4. Kempa Kuduphoog 5. Rinchhending Sharri
	3. Doteng	1. Aatsho Phunoob 2. Chhubar 3. Jabji Loogchhoed 4. Joogar Pachhu 5. Phooshar

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Table 17.5 cont...

Dzongkhag	Gewog	Chiwog
8. Paro	4. Hungrel	1. Chhubjagkha 2. Gaupel 3. Goenkha 4. Hoongrelkha Jangsarbu 5. Loongchhungna
	5. Lamgong	1. Chhukha 2. Ngopa Shomo 3. Tsendonang 4. Gangjoog Kyidchhu 5. Jagarthang
	6. Loong-nyi	1. Baangdey 2. Dzongdraag Gadraag 3. Jieu Woochhu 4. Naemjog 5. Pangbisa
	7. NaJa	1. Bemphu Lingzhi Nagu 2. Bueltikha Jagoen 3. Jazhina Tsuengoen 4. Rangzhingang Tshebji 5. Wanakha Zursuna
	8. Sharpa	1. Bara Zhunggar 2. Bjizhikha Phubarna 3. Chhukha Gangjoogkha 4. Dochhoeten Neyphu 5. Drugyaldingkha Zhelngo
	9. Tsento	1. Chhungjey Zamsar 2. Mitshig Shana 3. Nyamjey Phangdo 4. Nyechhu Shari 5. Soe Yagsa
	10. Wangchang	1. Changkhar Jangteyina 2. Changmedthangka Khangkhu 3. Dungkhar Namkhar 4. Gebtoed Olathang Tajoog 5. Mendrel Nakha

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Table 17.5 cont...

Dzongkhag	Gewog	Chiwog
9. Pemagatshel	1. Chhimoong	1. Chhimoong 2. Chhiphoong 3. Loongkholom 4. Nyasikhar 5. Pangthang Redingla
	2. Chhoekhorling	1. Arden 2. Chhoekhorling Gazawong 3. Dizama Shoguri 4. Kerong 5. Yargyewoong
	3. Chongshing	1. Chongshing Jorphoong 2. Guyoom Lanangzor 3. Kamri Yomzor 4. Maendi 5. Thongsa
	4. Dechhenling	1. Bidoongri Yangmalashing 2. Dechhenling Goenpawoong 3. Doongchhilo Kholomri 4. Doongphu Shingchongri 5. Goishing Ridzommo 6. Namdagling
	5. Dungmaed	1. Bangyuel 2. Dungmaed Zimzor 3. Lanyiri Thrumchoong 4. Serduwa 5. Woongborang
	6. Khar	1. Bongmaan 2. Khar Yagyur 3. Khengzor Labar 4. Nagtseri Shemshem Tsebar 5. Shinangri
	7. Nanong	1. Gashigkhar Tshatshi 2. Nanong 3. Raling 4. Terphug Woongchhiloo 5. Tokari

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Table 17.5 cont...

Dzongkhag	Gewog	Chiwog
9. Pemagatshel	8. Norboogang	1. Gashari 2. Maenchhu Nganglam 3. Norboogang Rinchhenzor 4. Nyingshingborang 5. Tshaelshingzor
	9. Shumar	1. Bartseri 2. Chongmashing Dagor 3. Goenpoong Shali 4. Khothagpa Yalang 5. Nangkor
	10. Yurung	1. Bangdala 2. Doongsingma Thoongkhar 3. Khangma 4. Khominang Yangkhar 5. Wanglakho Thoonggo
	11. Zobel	1. Choongkhar Pangthangdaza 2. Maan Tshelinggor 3. Ngangmalang Zorjoog 4. Raysinang 5. Zobel
10. Punakha	1. Barp	1. Chagsa 2. Gamakha Sebtokha 3. Sobsokha Yuwakha Zhikha 4. Tshogkorna 5. Usakha
	2. Chhuboog	1. Bali 2. Bumtakha Tenpakha 3. Jangwakha Sewala 4. Ngoedroobchhu 5. Yebisa
	3. Dzomi	1. Dzomisa Mendagang 2. Gubji Tseykakha 3. Jimithang 4. Khilikhar Loongkha 5. Tanag Uesa

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Table 17.5 cont...

Dzongkhag	Gewog	Chiwog
10. Punakha	4. Goenshari	1. Draagchhukha 2. Goomgang 3. Sechaednang 4. Yorbo 5. Zhelngoesa
	5. Guma	1. Baymenang Phulingsoom Wangwakha 2. Changyuel Loongsilgang Tashijong 3. Dochhukha Dzomlingthang Ritsa 4. Guma Wolakha 5. Lakhu Tshowogm
	6. Kabisa	1. Agonang Zarbisa 2. Chhoetennyingpo Uesarkha 3. Heyloog Tongzhoognang 4. Peltari 5. Sirang Wakoodamchh
	7. Lingmukha	1. Dompala 2. Goomkarmo 3. Lingmukha 4. Nabchhed 5. Oomtekha
	8. Shelnga-Bjemi	1. Chongzhi Jarigang Jazhikha 2. Datong 3. Gangkha 4. Khubji Tshosa 5. Thongbji
	9. Talog	1. Dongkokhar Yonggu 2. Gangthramo Labtsakha Soelwadrangsa 3. Loongnangkha 4. Norbugang 5. Talog
	10. Toedwang	1. Dawakha 2. Jibjo Yuesakha 3. Kewanang Tsachhuphu 4. Tamigdamchhu Thangbji 5. Tsephug Khawakha

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Table 17.5 cont...

Dzongkhag	Gewog	Chiwog
10. Punakha	11. Toepaisa	1. Bichhekha Yuelhamo 2. Damkhyi Rinakha 3. Dochogla Maenchhuna 4. Goenmkha Mendrelgang 5. Lemjakha Thinleygang
11. Samdrup Jongkhar	1. Dewathang	1. Bangtsho 2. Chhenangri Rishor 3. Domphoog Dungkharchhoeling 4. Martang 5. Rikhey
	2. Gomdar	1. Broomi Chidoongkhar 2. Denchhi 3. Gomdar Richhanglu 4. Khoyarpangthang Palroong 5. Narphoong
	3. Langchenphu	1. Agoorthang 2. Jampani 3. Jangsa 4. Langchenphu 5. Rongchhuthang
	4. Lauri	1. Betseling Doongmanma 2. Gonong Zangthig 3. Lauri 4. Momring Rolnang 5. Tshothang
	5. Martshala	1. Chhoedoong Kakani 2. Galingkhar Wangphoog 3. Kaeptang Tsholingkhar 4. Martshala 5. Sarjoong 6. Suzor Tshotsalu

cont...

Table 17.5 cont...

Dzongkhag	Gewog	Chiwog
11. Samdrup Jongkhar	6. Orong	1. Bilam Orong Suzoong 2. Jangchhubling 3. Morong 4. Nabar Philooma 5. Nagzor Wooling 6. Rimoong
	7. Pemathang	1. Chirtshosa Loongminang 2. Kathoobdrang Shilinggye 3. Pemathang 4. Raling 5. Uesarna Warong
	8. Phuentshogthang	1. Baylamsharang 2. Doongkarling 3. Khamaedthang 4. Minjigang 5. Phuentshogthang 6. Samdrupchhoeling
	9. Samrang	1. Damsagang Maed 2. Damsagang Toed 3. Ngangtshothang Maed 4. Ngangtshothang Toed 5. Tshoduen
	10. Serthig	1. Dangtsho Serthig 2. Drenphoog 3. Khandophoog Maenjiwoong 4. Monmola Tashithanggyed 5. Phagchhog Suskar
	11. Wangphoog	1. Bayuel Pangthang 2. Benporong Yarphoog 3. Sacchilo 4. Serchhenmo Wangphoog 5. Shogshi

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Table 17.5 cont...

Dzongkhag	Gewog	Chiwog
12. Samtse	1. Doongtoed (Dumtoe)	1. Doongtoed Chhewa 2. Doongtoed Chhungwa Jarikha 3. Doongtoed Khaling 4. Gebji Kuzhuggang 5. Maedgang
	2. Dophoogchen(Dorokha)	1. Aringgang Midzomsa 2. Dangreyboog Ngagang 3. Manigang Thingyersa 4. Melonggang Thuloonggang 5. Sangloong Senteng 6. Singye
	3. Duenchhukha	1. Biloong Pongthra 2. Dhuenchhukha Gabji 3. Domchhukha Shitakha 4. Gawaling Karzhing 5. Gesarling Yomdeling
	4. Namgaychoeling (Lahireni)	1. Chhunaggang Chhoedleling 2. Gyalposhing Satsangsa 3. Namgaychhoeling 4. Pagshingkha Tshachhugang 5. Sernyagang Tsholingkhar
	5. Norboogang (Chengmari)	1. Damzhagsa Tsaphelthang 2. Dawaling Yangphelthang 3. Dramzedgang Maedgang 4. Khangduzhi Kyidsa 5. Lambi Lamjosa
	6. Norgaygang (Bara)	1. Chhugoo Phendegang 2. Chongzhu Tshachhu 3. Dangreyboog Patshaling 4. Joenpang Lingarnang 5. Khabaabgang Noryog 6. Miphelgang Samphelgang

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Table 17.5 cont...

Dzongkhag	Gewog	Chiwog
12. Samtse	7. Pemaling (Biru)	1. Chhusilgang Dramedsa 2. Dizanggang Nakeyling 3. Manigang Tashithang 4. Norgeyling Singdregang 5. Thangchhennang Damtshangna
	8. Phuentshogpelri (Pugli)	1. Chhunag Doomshinggang 2. Gashingma Ketshaelgang Thongjabi 3. Jangchhogling Lachhungthang 4. Nyoenpaling Tingtingma 5. Tashilakha Uelgyalling
	9. Samtse	1. Damtshangma Khandothang 2. Dewathang Lamaithang 3. Lingmaithang Taserpo 4. Nyimaling Chhirlogsa 5. Satshamchhu Tshongdzonm
	10. Sa-Ngag-Chhoeling (Chargharey)	1. Chhuchhungsa Karseling 2. Dephellingmaed Khangzangling 3. Dephellingtoed Namseling 4. Joenlegsa Sangngangchhoeling 5. Ngoedroobling
	11. Tading	1. Dangreyboong Nyindooglakha 2. Khempagang Panzhing 3. Norjangsa Zochhaling 4. Tading Tenpaling 5. Thongsa Tobchhenthang
	12. Tashichhoeling (Sipsu)	1. Baepoteng Kangdoongphug 2. Daaling Gangjoog 3. Dewachen Zhiwaling 4. Norjangsa Peljorling 5. Tashichhoeling
	13. Tendruk	1. Dawathang Kuengaling 2. Kachhen Kuchhen 3. Khengtong Targothang 4. Miglamthang Thagpzosa 5. Nyizergang Tendruk

cont...

Table 17.5 cont...

Dzongkhag	Gewog	Chiwog
12. Samtse	14. Ugyentse (Nainital)	1. Dangkarling Dechhengang 2. Dangreyboog Rigpailing 3. Jarithang 4. Kardog 5. Nyimalung Tharpaling
	15. Yoeseltse (Ghumauney)	1. Dungkar 2. Koenchhogling Soenakha 3. Pelkithang Rangjoongling 4. Rinchhenphoog Samtenchhu 5. Zurigang Jigmedthang
13. Sarpang	1. Chhudzom	1. Dragchhu 2. Gaalegthang 3. Jangchhubling 4. Lhayuel 5. Sherabling
	2. Chhuzaggang	1. Barthang 2. Chagsakhar 3. Nyimaling Shawapong 4. Pangzor 5. Thongjabi Yueling
	3. Dekiling	1. Chhoekhorling 2. Dekiling 3. Gawaithang 4. Jigmeling 5. Nubgang
	4. Gakiling	1. Gakiling 2. Getemkha 3. Maenchhulam 4. Rilangthang 5. Sangkha
	5. Gelegphu	1. Dzomlingthang 2. Lekidthang 3. Pelrithang khamaed 4. Pelrithang khatoed 5. Pemathang

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Table 17.5 cont...

Dzongkhag	Gewog	Chiwog
13. Sarpang	6. Jigme-Chhoeling	1. Chhoetenkhar 2. Gongduegang 3. Gongtsekha 4. Khamaed 5. Khatoed 6. Samkhar
	7. Samtenling	1. Chhoekhorling_Dechhenpelri 2. Dechhenpelri 3. Khenpagang 4. Samteling 5. Samthenthang
	8. Senggey	1. Labtsakha 2. Nyenyul 3. Rishong 4. Sangyethang 5. Yarpheling
	9. Serzhong	1. Barshong 2. Norbuling 3. Pemayoedling 4. Sherzhong 5. Tashiphu
	10. Shompangkha	1. Dargyethang 2. Gomchola 3. Koenchhogling 4. Risoomgang 5. Shompangkha
	11. Tareythang	1. Dorjitse 2. Pemachhoeling 3. Tashichhoeling 4. Woongchhiloo 5. Yoezergang
	12. Umling	1. Daangling 2. Doongmin 3. Gaden 4. Rijoog 5. Tashithang

cont...

Table 17.5 cont...

Dzongkhag	Gewog	Chiwog
14. Thimphu	1. Chang	1. Rama 2. Gangcheb Talakha 3. Hongtsho 4. Debsi 5. Yusipang
	2. Dagala	1. Chamgang Moed 2. Chamgang Toed 3. Dungdro 4. Gaytala 5. Wangdro
	3. Genyen	1. Chizhi 2. Genekha 3. Tshochekha 4. Wangbama 5. Zanglakha
	4. Kawang	1. Begana 2. Choekhor Chamina 3. Changtagang 4. Dazhi Zhoshuel 5. Kuzhugchen
	5. Lingzhi	1. Chakphu 2. Chhuzarkha 3. Gangyuel 4. Khangkidyuel 5. Shagyuel
	6. Mewang	1. Danglo Namsaeling 2. Jeminang 3. Khasadrapchu 4. Sisinang 5. Tshaloongna
	7. Naro	1. Barshong 2. Mentsephu 3. Phagay 4. Thaksethang 5. Zhomthang

cont...

Table 17.5 cont...

Dzongkhag	Gewog	Chiwog
14. Thimphu	8. Soe	1. Damgochong 2. Dotaapaithang 3. Jangothang 4. Jomphu 5. Dozoten
15. Trashigang	1. Bartsham	1. Bainangkhar Nangkhar 2. Dzongthong Menchhari 3. Jamoong Kumoong 4. Moogtangkhar 5. Trashang
	2. Bidoong	1. Kakaniwog 2. Khairi Saling 3. Lemphang 4. Tsekhar 5. Tsigtoom
	3. Kanglung	1. Maanthong 2. Mertsham Thragom 3. Pangthang Ritsangdoong 4. Rongthoong Shingchen 5. Yonphoogla
	4. Kangpar	1. Bedengphoog Merdag 2. Kangpar Lamyong 3. Passaphoog Peydoong 4. Threlphoog 5. Zordoong
	5. Khaling	1. Barshong 2. Bayphoog Togkaphu 3. Brekha Meringzor 4. Gomchhu Kholdoong 5. Jiri Lemi 6. Khaling

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Table 17.5 cont...

Dzongkhag	Gewog	Chiwog
15. Trashigang	6. Lumang	1. Chhengri Doongmanma 2. Drubkhang Lumang 3. Kharphoog Kurchhilo 4. Moochhu Wakhar 5. Riserboo Tsangpo 6. Tshogoenpa
	7. Merag	1. Gyengo 2. Khashateng 3. Khiliphoo 4. Merag Maed 5. Merag Toed
	8. Phongmed	1. Lem 2. Phimshong 3. Phongmed 4. Thongrong 5. Yabrang
	9. Radi	1. Dekidling Tsenkhar 2. Kadam 3. Nagtshang Togshingmang 4. Pakaling 5. Tonglingpam
	10. Sagten	1. Borangmang Borangtse 2. Joenkhar Moorbi 3. Pusa Tenmang 4. Sagteng 5. Thagthri
	11. Samkhar	1. Bikhar Domkhar 2. Chagzam Pam 3. Kapang Yenangdrangsa 4. Khabti Lungtenzampa 5. Maelphel Samkhar 6. Rangzhikhar Serdrang

cont...

Table 17.5 cont...

Dzongkhag	Gewog	Chiwog
15. Trashigang	12. Shongphoog	1. Chaling 2. Chhangmi Rangjoong 3. Dramin Shongphoog 4. Galing 5. Gongtsephangma Yobinang
	13. Thrimshing	1. Berdoongma Thoongkhar 2. Bongzor Phegpari 3. Doongsingma Tsangpo 4. Ramchongma Yemkhar 5. Thrimshing
	14. Udzorong	1. Baepam 2. Barkazor Maenkhar 3. Benshingmo Jomtsang 4. Chhiya 5. Rizor Yerchhilo
	15. Yangnyer	1. Daliphang Ragshigo 2. Dargyeling Kharthoong 3. Duroong Ngambinlang 4. Khardza Leyphoog 5. Shokang Tagtagpa
16. Trashiyangtse	1. Boomdeling	1. Betsamang 2. Bomdir Wogmanang 3. Gangkhardoong Tshaling 4. Ngalimang Phanteng 5. Pangkhar Taphel
	2. Jamkhar	1. Chhema Tagchhema 2. Laishoom Largyab 3. Neydrag Pachhu 4. Rijoong Yoob 5. Shingkhar Tongla
	3. Khamdang	1. Domtshang Karmazom 2. Dungtse Lengkhar 3. Khamdang Manla 4. Nombaring Shazam 5. Serpang Shalli

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Table 17.5 cont...

Dzongkhag	Gewog	Chiwog
16. Trashiyangtse	4. Ramjar	1. Bainangreb Romang 2. Bawoong 3. Domtshang Doongmaen 4. Khalapangthang Tsangrong 5. Lengbartang Woongkhar
	5. Toedtsho	1. Chhemkhar Manam 2. Jangphoogtse Thangdoong 3. Khinyel Togshing 4. Maeldoong 5. Nangkhar Seb 6. Sertsho
	6. Tongmizhangsa	1. Bagpa Kuenzangling 2. Bainangkhar Gomkor 3. Changmadoong Shoganang 4. Maenchu Tsangdoong 5. Pang Lhauzhing
	7. Yalang	1. Chhema Melongkhar 2. Doogti Gashing 3. Namthi Yarphel 4. Phugyang Yalang 5. Rolam Thragom
	8. Yangtse	1. Baney Bimkhar 2. Bayling 3. Gangkhar 4. Lichen 5. Rabti
17. Trongsa	1. Draagteng	1. Kuenga Rabten 2. Samling Khamaed 3. Samling Khatoed 4. Tagtse_Tashidingkha 5. Uesar
	2. Korphoog	1. Korphoog Maed 2. Korphoog Toed 3. Nabi 4. Nyimzhong Maed 5. Nyimzhong Toed

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Table 17.5 cont...

Dzongkhag	Gewog	Chiwog
17. Trongsa	3. Langthil	1. Baling 2. Dangdoong 3. Jangbi 4. Langthil 5. Yuedroongchhoeling
	4. Nubi	1. Bagochen_Boolingpang_Ueling 2. Bemji_Chela 3. Bji_Sengm_Bji 4. Darbab_Sinphoog 5. Gaghar_Kar-zhong
	5. Tangsibji	1. Chendenbji 2. Kela 3. Nyala_Drangla 4. Tangsibji 5. Tshangkha
18. Tsirang	1. Barshong	1. Barshong Maed 2. Barshong Toed 3. Chunyikhang 4. Gangtogkha 5. Toedsang
	2. Doonglagang	1. Dangreyboog Maed 2. Dangreyboog Toed 3. Dingrigang Lhamoiloongm 4. Khirithang 5. Norjangsa
	3. Gosarling	1. Dzamlingthang 2. Dzamlingzor 3. Pelrithang 4. Pemathang 5. Phuensoomgang
	4. Kilkhorthang	1. Dekidling 2. Maenchhana 3. Nyizergang 4. Satsangma 5. Tashiyangjong

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Table 17.5 cont...

Dzongkhag	Gewog	Chiwog
18. Tsirang	5. Mendrelgang	1. Dzamlingzor 2. Mendrelgang 3. Pemashong Samshinggaden 4. Riserboo 5. Tashipang
	6. Patshaling (Beteni)	1. Chhuzomsa 2. Pangthang 3. Pantshaling Maed Tsakaling 4. Pantshaling Toed 5. Thakorling
	7. Pungtenchhu	1. Goentegkha Tongshinggang 2. Norboothang 3. Peljorling 4. Serzhong 5. Tashichhoeling
	8. Rangthangling	1. Chringma Rangthangling 2. Darchhargang 3. Gagaling Nyimazor 4. Neymedsa 5. Soonkosh
	9. Semjong	1. Dangreygang 2. Dekidling 3. Dzomling 4. Tashiling Maed 5. Tashiling Toed
	10. Sergithang (Patala)	1. Norboogang 2. Semdenjong 3. Sergithang Maed 4. Sergithang Toed 5. Tashithang
	11. Tsholingkhar	1. Droobchhugang 2. Gomsoom 3. Kapazhing 4. Tsholingkhar Maed 5. Tsholingkhar Toed

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Table 17.5 cont...

Dzongkhag	Gewog	Chiwog
18. Tsirang	12. Tsirang Toed	1. Kabelzhing 2. Soentabsa 3. Tagthang Wangphoo 4. Tongshingnang 5. Tsirang Toed
19. Wangdue Phodrang	1. Athang	1. Jaroggang Dzawa 2. Lawa Lamga 3. Lomtshokha 4. Lophokha Pagtakha 5. Rookha
	2. Bjednag	1. Bjednagloongpa Thingmakha 2. Garzhikha Omchheygang 3. Ngawang Tongchennang 4. Tashitokha 5. Wachhey
	3. Dangchhu	1. Doongdoongnyelsa Norbooding 2. Godraang Taagsar 3. Tashidingkha Zimi 4. Tokaling Tomla 5. Uesagang
	4. Darkar	1. Gyapakha 2. Kamichhu Umakha Maed 3. Kamina Wogyal 4. Sili Taagsha 5. Umakha Toed
	5. Gangteng	1. Jangchen Koomboo 2. Gorgoen 3. Gangteng 4. Tapaiteng Uega 5. Yaekorwog
	6. Gase Tsho-Gongm	1. Changche Matshigpogto 2. Changkha 3. Dabchhaykha Matshigkha 4. Khamaedna 5. Khatoedkha

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Table 17.5 cont...

Dzongkhag	Gewog	Chiwog
19. Wangdue Phodrang	7. Gase Tsho-Woom	1. Haebisa 2. Haetshokha 3. Medpaisa Taabchhaekha 4. Shingkheykha Toed 5. Singkheykha Maed
	8. Kazhi	1. Baedrog 2. Chegidp 3. Kazhi 4. Komathrang 5. Lengbi
	9. Nahi	1. Haebisa 2. Halued Uesawogm 3. Khoorjoongla Langmizi 4. Nagbisa 5. Uesagongm Thabji
	10. Nyishog	1. Chhaebhakha 2. Chitokha Pangkha 3. Gangjab 4. Geylegkha Kuenzangling 5. Goensar Rajawog 6. Samtengang
	11. Phangyuel	1. Chhunggoen 2. Chhungserkha Domkha 3. Goenkhar 4. Koomchhi Phangyuel 5. Uesargang Wampoekhar
	12. Phobji	1. Damchhoe Gangphel 2. Dogsenang Gorphoog 3. Drangpa Pangsar 4. Khemdro Nemphel 5. Talachen Tawa Taphoog
	13. Ruebisa	1. Bangtoedkha 2. Bjagphug 3. Gyala 4. Oola 5. Zamding

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Table 17.5 cont...

Dzongkhag	Gewog	Chiwog
19. Wangdue Phodrang	14. Saephoog	1. Boommilog 2. Booso Zeri 3. Longtoed 4. Nakha 5. Rukoobji
	15. Thedtsho	1. Jang Rinchhengang 2. Lho Rinchhengang 3. Martaloongchu 4. Thanggoo 5. Wangjokha
20. Zhemgang	1. Bardo	1. Bardo 2. Digala 3. Khomshar 4. Langdorbi 5. Phulabi
	2. Bjoka	1. Bjokar 2. Chabdenba Dzarkabla 3. Dali 4. Kamati 5. Sarpong Namirgang
	3. Goshing	1. Budhashi 2. Lamthang 3. Lichibi 4. Lingmapong Samchhoeling 5. Mewangang
	4. Nangkor	1. Buli 2. Dakphel Tali 3. Duenmang 4. Goleng 5. Nyakha
	5. Ngangla	1. Kagtong 2. Marangduet 3. Ngangla Trong 4. Panbang Sonamthang 5. Ribati

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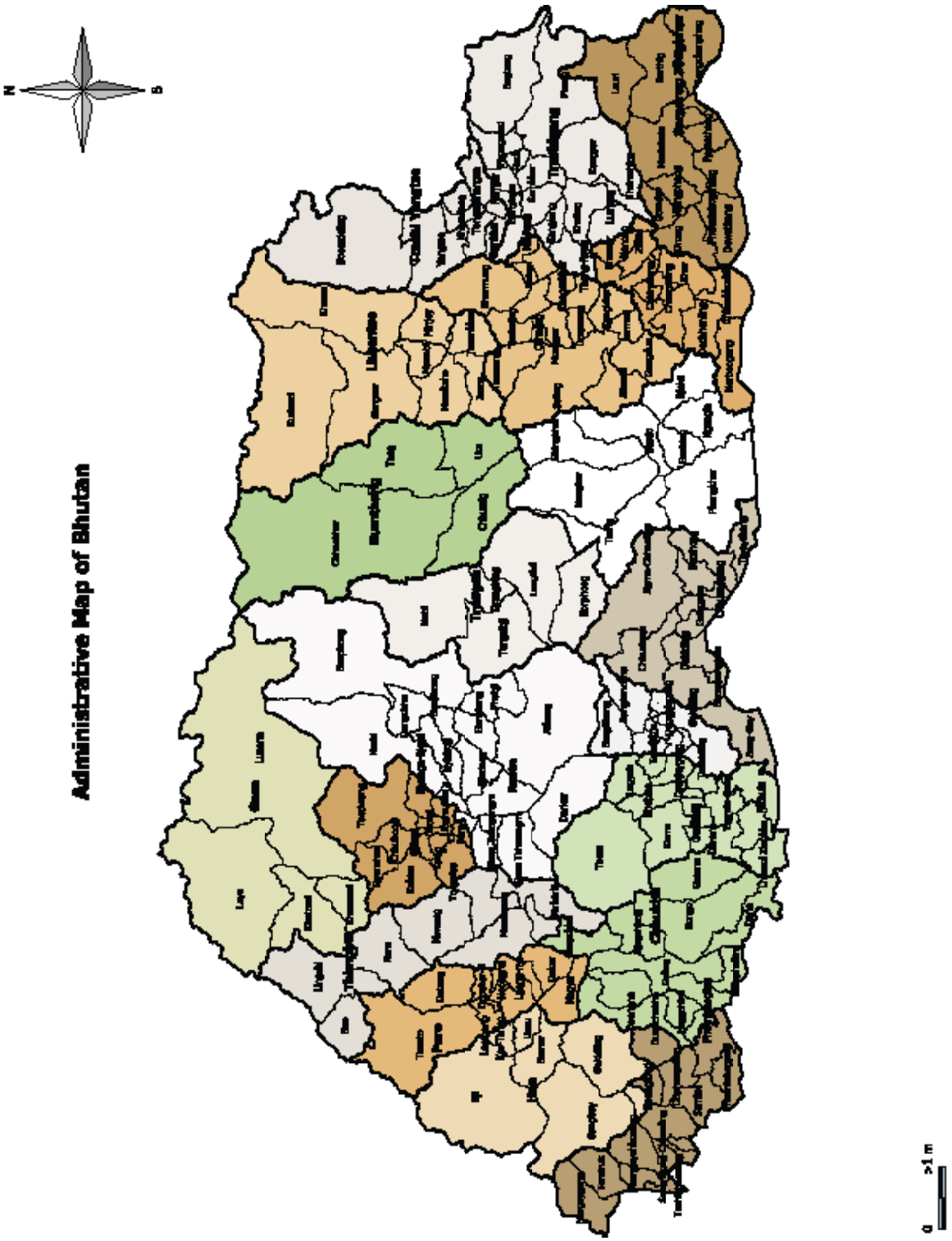
Table 17.5 cont...

Dzongkhag	Gewog	Chiwog
20. Zhemgang	6. Phangkhar	1. Chargngarzam 2. Mamong Trong Pantang 3. Panabi 4. Rongchola Dadijong 5. Shalingtoed Tashibi
	7. Shingkhar	1. Nyimzong Thajong 2. Radi 3. Singkhar 4. Thrisa 5. Wamling
	8. Trong	1. Berti Tagma 2. Dangkhar Trong 3. Gongphu 4. Soobdrang 5. Tshanglajong Zurphel

Source: Election Commission of Bhutan and Dzongkhag Administration.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