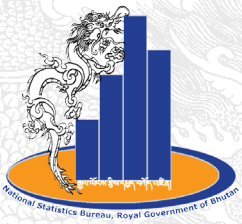

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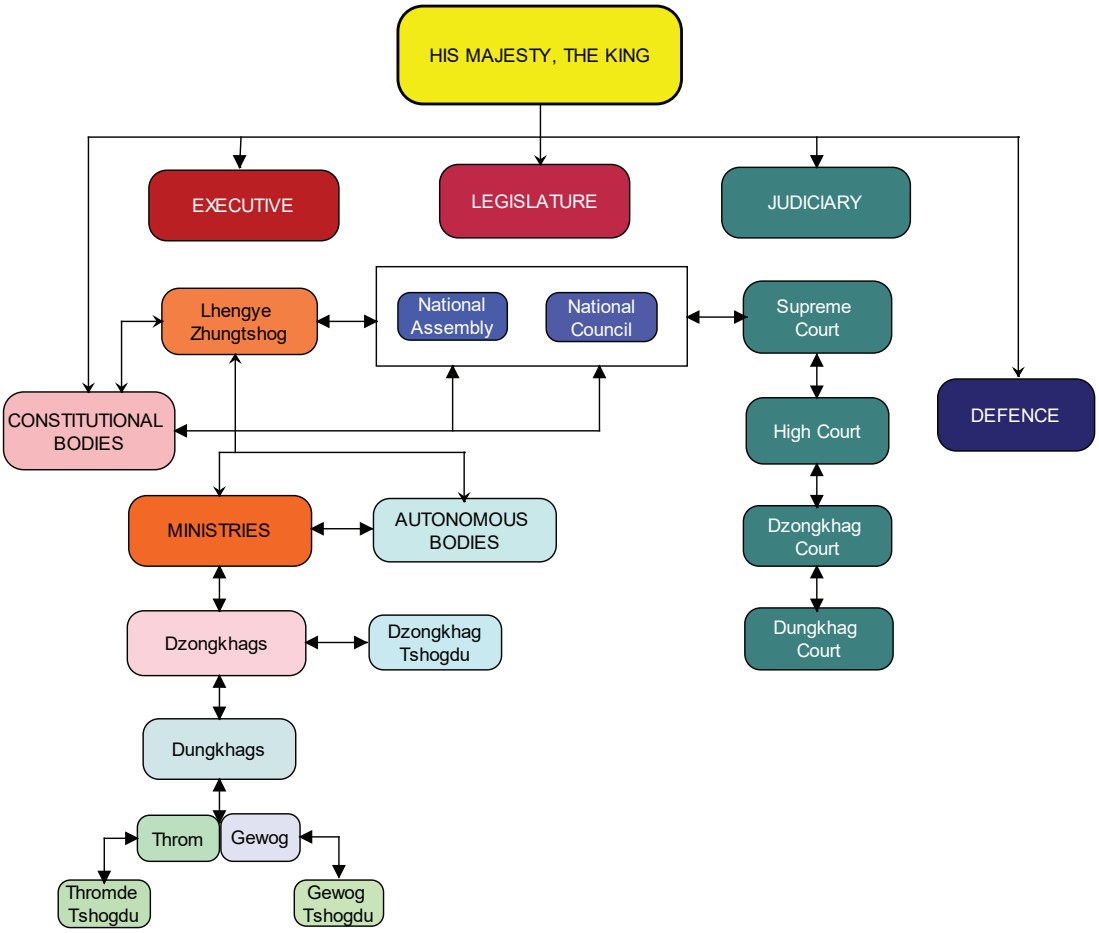
National Statistics Bureau

འབྲུག་གི་སྐྱེས་དཔྱད་ལོ་དེབ་ ༢༠༡༩།

Statistical Yearbook of Bhutan 2019

October 2019

ORGANOGRAM OF THE ROYAL GOVERNMENT OF BHUTAN
POST CONSTITUTIONAL ENACTMENT 2009



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PREFACE

This Statistical Yearbook of Bhutan (SYB) 2019 publication is the 37th 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.

The NSB would like to acknowledge the contribution of different ministries, agencies, corporations and private organizations that provided data and information for SYB 2019. In order to improve the quality of the forthcoming issues, we solicit comments and suggestions from the users of this yearbook.

Director
National Statistics Bureau

NOTES FOR USERS

1. Unless otherwise indicated, the present issue of the Yearbook contains statistics available as of December 2018 and until June 2019.
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: 2017/18)

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 2019, 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

I. Metric Equivalents

10 mm	=	1 cm	**Abbreviations**			
10 cm	=	1 dm	mm	=	millimeter
10 dm	=	1 m	cm	=	centimeter
10 m	=	1 dkm	m	=	meter
10 dkm	=	1 hm	dm	=	decimeter
10 hm	=	1 km	dkm	=	dekameter
			dkm	=	dekameter

II. 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

III. 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)	71 %
Projected Population (in nos.), 2018	734,374
Natural Population Growth Rate (percent), PHCB 2017	0.9
Average Household Size, (PHCB, 2017)	3.9
National Language	Dzongkha
National Currency	Ngultrum (Nu.)
Number of Hospitals, 2018	27
Number of Doctors, 2018	337
Number of Civil Servants, (as of 31st December 2018)	28,618
Number of Schools, Institutes and Centers, 2019	1,847
Number of Teachers, Lecturers, Instructors, Trainers & Facilitators 2019	11,515
Number of Students (Including Institutes & NFE), 2019	251,704
Labour Force Participation Rate, (LFS 2018)	62.6
Unemployment Rate, (LFS 2018)	3.4
Telephone Sets in Use, 2018	22,015
B-Mobile Subscriber (Nos.), 2018	437,152
Tashicell Subscriber (Nos.), 2018	266,402
Postal Infrastructure (Nos.), 2018	92
Total Road Length (Km.), 2018	18,282
Number of Registered Vehicles, June 2019	103,814
Electricity Generation (MU), 2018	6,959.81
Electricity Exports (MU), 2018	4,580.86
Tourist Arrivals (dollar paying tourist), 2018	63,367
Revenue Earned from Tourism (million US $), 2018	85.41
Total Industrial Establishments, June 2019	52,766
Balance of Trade (million Nu.), 2018	(30,227.00)
Exchange Rate (Calendar Year), Nu. Per US $, 2018	68.40
Gross International Money Reserves (million US $), 2017/18	1,110.91
Total Eleventh Plan Budgetary Outlay (million Nu.) 2018-2023	197,941.66
GDP at Current Market Price (million Nu.), 2017	164,627.92
Annual Average Inflation Rate (percent), 2018	2.72
Purchasing Power of Nu. 2018 (Base Year =2012)	74.20

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 Himayalan 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 Tshogde.

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, which is conducted every ten years. The Population and Housing Census in Bhutan was first conducted in May 2005 and the second round of Population and Housing Census was carried out in May 2017 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.

The other aspects of population statistics relates to the demographic characteristics of the population. The most common source of information on demography is the vital registration system (which usually covers the registration of births and deaths and sometimes marriages and divorce).

Fig. 1.1: Population Pyramid, Bhutan 2005

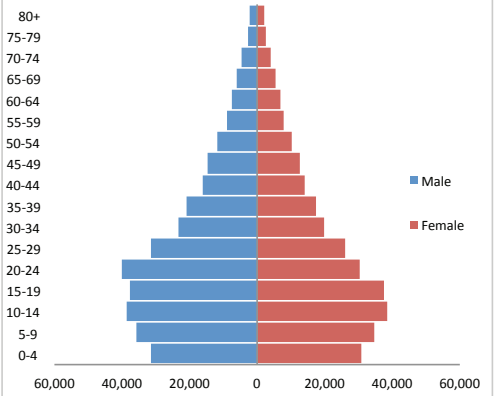
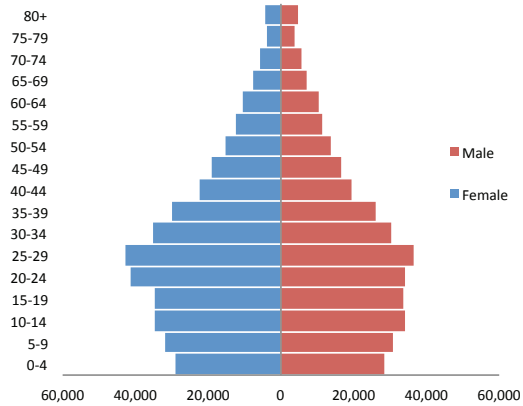


Fig. 1.2: Population Pyramid, Bhutan 2017



The Statistics presented in this chapter are from the Population and Housing Census of Bhutan 2005 and 2017. The actual resident population enumerated during May 2005 is 634,982 persons out of which 333,595 persons are male and 301,387 are females, while it is 735,553 persons in 2017. The total Bhutanese population found during 2017 PHCB was 681,720 persons. The total urban population in 2005 was 196,111 persons while in 2017 there were 274,316 persons in urban areas. Similarly the total number of rural population in 2005 and 2017 were 438,871 and 452,829 respectively.

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.*
Gross Reproductive Rate:	*Measures the extent to which a cohort of newly born girls will replace their mothers under pre-determined schedules of fertility and mortality.*
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.*
Maternal Mortality Ratio:	*The annual number of deaths of women from pregnancy-related causes per 100,000 live births.*
Rate of Natural Increase:	*The difference between the crude birth rate and the crude death rate.*
Dependency Ratio:	*Measures the number of dependents as a percentage of population aged 15 to 64. Child dependency refers to children aged 0 to 14 years, while old age dependency refers to persons aged 65 and over.*
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: Population by Sex and Dzongkhag/Thromde, Bhutan 2017

Dzongkhag/Thromde	Number of Persons			Percent			Sex Ratio
	Male	Female	Both Sex	Male	Female	Both Sex	
Bumthang	9,396	8,424	17,820	52.7	47.3	100.0	111.5
Chhukha	36,041	32,925	68,966	52.3	47.7	100.0	109.5
Phuentshogling Thromde	15,052	12,606	27,658	54.4	45.6	100.0	118.9
Other than Phuentshogling Thromde	20,989	20,319	41,308	50.8	49.2	100.0	103.6
Dagana	12,956	12,009	24,965	51.9	48.1	100.0	107.9
Gasa	2,104	1,848	3,952	53.2	46.8	100.0	113.9
Haa	7,435	6,220	13,655	54.4	45.6	100.0	119.5
Lhuentse	7,407	7,030	14,437	51.3	48.7	100.0	105.4
Monggar	18,247	18,903	37,150	49.1	50.9	100.0	96.5
Paro	23,941	22,375	46,316	51.7	48.3	100.0	107.0
Pema Gatshel	11,922	11,710	23,632	50.4	49.6	100.0	101.8
Punakha	15,079	13,661	28,740	52.5	47.5	100.0	110.4
Samdrup Jongkhar	18,329	16,750	35,079	52.3	47.7	100.0	109.4
Samdrup Jongkhar Thromde	5,016	4,309	9,325	53.8	46.2	100.0	116.4
Other than Samdrup Jongkhar Thromde	13,313	12,441	25,754	51.7	48.3	100.0	107.0
Samtse	32,022	30,568	62,590	51.2	48.8	100.0	104.8
Sarpang	24,018	21,986	46,004	52.2	47.8	100.0	109.2
Gelegphu Thromde	5,146	4,712	9,858	52.2	47.8	100.0	108.1
Other than Gelegphu Thromde	18,872	17,274	36,146	52.2	47.8	100.0	109.5
Thimphu	72,522	66,214	138,736	52.3	47.7	100.0	109.5
Thimphu Thromde	58,996	55,555	114,551	51.5	48.5	100.0	106.2
Other than Thimphu Thromde	13,526	10,659	24,185	55.9	44.1	100.0	126.9
Trashigang	23,414	22,104	45,518	51.4	48.6	100.0	105.9
Trashi Yangtse	8,719	8,581	17,300	50.4	49.6	100.0	101.6
Trongsa	11,878	8,082	19,960	59.5	40.5	100.0	147.0
Tsirang	11,526	10,850	22,376	51.5	48.5	100.0	106.2
Wangdue Phodrang	24,302	17,884	42,186	57.6	42.4	100.0	135.9
Zhemgang	9,195	8,568	17,763	51.8	48.2	100.0	107.3
Bhutan	**380,453**	**346,692**	**727,145**	**52.3**	**47.7**	**100.0**	**109.7**

Note: Excludes 8,408 tourists/non-Bhutanese found in hotels on the census day
Source: Population & Housing Census of Bhutan, 2017

Table 1.2: Population by Sex, Area and Dzongkhag, Bhutan 2017

Dzongkhag	Number of Persons						Both Areas		
	Urban			Rural					
	Male	Female	Both Sex	Male	Female	Both Sex	Male	Female	Both Sex
Bumthang	3,570	3,066	6,636	5,826	5,358	11,184	9,396	8,424	17,820
Chhukha	18,981	16,540	35,521	17,060	16,385	33,445	36,041	32,925	68,966
Dagana	2,450	2,263	4,713	10,506	9,746	20,252	12,956	12,009	24,965
Gasa	795	571	1,366	1,309	1,277	2,586	2,104	1,848	3,952
Haa	1,680	1,418	3,098	5,755	4,802	10,557	7,435	6,220	13,655
Lhuentse	1,283	992	2,275	6,124	6,038	12,162	7,407	7,030	14,437
Monggar	5,417	4,880	10,297	12,830	14,023	26,853	18,247	18,903	37,150
Paro	6,058	5,855	11,913	17,883	16,520	34,403	23,941	22,375	46,316
Pema Gatshel	4,079	3,546	7,625	7,843	8,164	16,007	11,922	11,710	23,632
Punakha	3,846	3,200	7,046	11,233	10,461	21,694	15,079	13,661	28,740
Samdrup Jongkhar	6,518	5,656	12,174	11,811	11,094	22,905	18,329	16,750	35,079
Samtse	4,803	4,871	9,674	27,219	25,697	52,916	32,022	30,568	62,590
Sarpang	6,798	6,212	13,010	17,220	15,774	32,994	24,018	21,986	46,004
Thimphu	59,453	56,064	115,517	13,069	10,150	23,219	72,522	66,214	138,736
Trashigang	5,379	4,729	10,108	18,035	17,375	35,410	23,414	22,104	45,518
Trashi Yangtse	1,887	1,660	3,547	6,832	6,921	13,753	8,719	8,581	17,300
Trongsa	1,899	1,647	3,546	9,979	6,435	16,414	11,878	8,082	19,960
Tsirang	1,885	1,625	3,510	9,641	9,225	18,866	11,526	10,850	22,376
Wangdue Phodrang	5,217	4,663	9,880	19,085	13,221	32,306	24,302	17,884	42,186
Zhemgang	1,857	1,654	3,511	7,338	6,914	14,252	9,195	8,568	17,763
Bhutan	**143,855**	**131,112**	**274,967**	**236,598**	**215,580**	**452,178**	**380,453**	**346,692**	**727,145**

Note: Excludes 8,408 tourists/non-Bhutanese found in hotels on the census day

Source: Population & Housing Census of Bhutan, 2017

Table 1.3: Population by Age, Sex and Area, Bhutan 2017

Age Group	Number of Persons						Both Areas			Sex Ratio		
	Urban			Rural								
	Male	Female	Both Sex	Male	Female	Both Sex	Male	Female	Both Sex	Urban	Rural	Both Areas
0-4	11,071	10,409	21,480	18,105	17,889	35,994	29,176	28,298	57,474	106.4	101.2	103.1
5-9	11,436	11,143	22,579	20,599	19,813	40,412	32,035	30,956	62,991	102.6	104.0	103.5
10-14	12,136	12,163	24,299	22,520	22,133	44,653	34,656	34,296	68,952	99.8	101.7	101.0
15-19	15,073	15,328	30,401	19,606	18,279	37,885	34,679	33,607	68,286	98.3	107.3	103.2
20-24	19,006	16,766	35,772	22,069	17,574	39,643	41,075	34,340	75,415	113.4	125.6	119.6
25-29	18,829	16,898	35,727	23,973	19,580	43,553	42,802	36,478	79,280	111.4	122.4	117.3
30-34	14,792	13,070	27,862	20,267	17,051	37,318	35,059	30,121	65,180	113.2	118.9	116.4
35-39	12,114	10,436	22,550	17,575	15,424	32,999	29,689	25,860	55,549	116.1	113.9	114.8
40-44	8,434	6,486	14,920	13,840	12,735	26,575	22,274	19,221	41,495	130.0	108.7	115.9
45-49	6,848	5,132	11,980	12,017	11,536	23,553	18,865	16,668	35,533	133.4	104.2	113.2
50-54	4,731	3,629	8,360	10,725	10,232	20,957	15,456	13,861	29,317	130.4	104.8	111.5
55-59	2,902	2,600	5,502	9,477	8,919	18,396	12,379	11,519	23,898	111.6	106.3	107.5
60-64	2,160	2,173	4,333	8,338	8,040	16,378	10,498	10,213	20,711	99.4	103.7	102.8
65-69	1,483	1,519	3,002	6,102	5,550	11,652	7,585	7,069	14,654	97.6	109.9	107.3
70-74	1,072	1,332	2,404	4,804	4,260	9,064	5,876	5,592	11,468	80.5	112.8	105.1
75-79	803	914	1,717	3,162	2,992	6,154	3,965	3,906	7,871	87.9	105.7	101.5
80-84	544	630	1,174	2,107	2,116	4,223	2,651	2,746	5,397	86.3	99.6	96.5
85+	421	484	905	1,312	1,457	2,769	1,733	1,941	3,674	87.0	90.0	89.3
All Ages	**143,855**	**131,112**	**274,967**	**236,598**	**215,580**	**452,178**	**380,453**	**346,692**	**727,145**	**109.7**	**109.7**	**109.7**

Note: Excludes 8,408 tourists/non-Bhutanese found in hotels on the census day

Source: Population & Housing Census of Bhutan, 2017

Table 1.4: Population by Broad Age Groups, Dependency Ratios, Ageing Index and Dzongkhag/Thromde, Bhutan 2017

Dzongkhag/Thromde	Population by Broad Age Groups			
	0 - 14	15 - 64	65+	
Bumthang	4,930	11,657	1,233	
Chhukha	17,078	48,963	2,925	
Phuentshogling Thromde	5,767	21,186	705	
Other than Phuentshogling Thromde	11,311	27,777	2,220	
Dagana	7,024	16,277	1,664	
Gasa	1,086	2,636	230	
Haa	3,582	9,298	775	
Lhuentse	4,263	9,006	1,168	
Monggar	11,399	23,108	2,643	
Paro	11,406	32,161	2,749	
Pema Gatshel	6,512	14,812	2,308	
Punakha	7,364	19,547	1,829	
Samdrup Jongkhar	9,810	23,105	2,164	
Samdrup Jongkhar Thromde	2,489	6,561	275	
Other than Samdrup Jongkhar Thromde	7,321	16,544	1,889	
Samtse	16,884	41,665	4,041	
Sarpang	11,215	32,177	2,612	
Gelegphu Thromde	2,149	7,332	377	
Other than Gelegphu Thromde	9,066	24,845	2,235	
Thimphu	32,861	100,559	5,316	
Thimphu Thromde	27,237	83,224	4,090	
Other than Thimphu Thromde	5,624	17,335	1,226	
Trashigang	12,596	29,560	3,362	
Trashi Yangtse	5,582	10,498	1,220	
Trongsa	4,124	14,735	1,101	
Tsirang	5,874	14,733	1,769	
Wangdue Phodrang	10,689	29,113	2,384	
Zhemgang	5,138	11,054	1,571	
Bhutan	**189,417**	**494,664**	**43,064**	

Note: Excludes 8,408 tourists/non-Bhutanese found in hotels on the census day
Source: Population & Housing Census of Bhutan, 2017

	Total	Dependency Ratio			Ageing Index
		Child Dependency Ratio	Old Age Dependency Ratio	Total Dependency Ratio	
	17,820	42.3	10.6	52.9	25.0
	68,966	34.9	6.0	40.9	17.1
	27,658	27.2	3.3	30.5	12.2
	41,308	40.7	8.0	48.7	19.6
	24,965	43.2	10.2	53.4	23.7
	3,952	41.2	8.7	49.9	21.2
	13,655	38.5	8.3	46.9	21.6
	14,437	47.3	13.0	60.3	27.4
	37,150	49.3	11.4	60.8	23.2
	46,316	35.5	8.5	44.0	24.1
	23,632	44.0	15.6	59.5	35.4
	28,740	37.7	9.4	47.0	24.8
	35,079	42.5	9.4	51.8	22.1
	9,325	37.9	4.2	42.1	11.0
	25,754	44.3	11.4	55.7	25.8
	62,590	40.5	9.7	50.2	23.9
	46,004	34.9	8.1	43.0	23.3
	9,858	29.3	5.1	34.5	17.5
	36,146	36.5	9.0	45.5	24.7
	138,736	32.7	5.3	38.0	16.2
	114,551	32.7	4.9	37.6	15.0
	24,185	32.4	7.1	39.5	21.8
	45,518	42.6	11.4	54.0	26.7
	17,300	53.2	11.6	64.8	21.9
	19,960	28.0	7.5	35.5	26.7
	22,376	39.9	12.0	51.9	30.1
	42,186	36.7	8.2	44.9	22.3
	17,763	46.5	14.2	60.7	30.6
	727,145	**38.3**	**8.7**	**47.0**	**22.7**

Table 1.5: Population Density by Dzongkhag, Bhutan 2005 and 2017

Dzongkhag	Area (km2)	Population		Density (Population per km2)	
		2005	2017	2005	2017
Bumthang	2,717	16,116	17,820	6	7
Chhukha	1,880	74,387	68,966	40	37
Dagana	1,723	18,222	24,965	11	14
Gasa	3,118	3,116	3,952	1	1
Haa	1,905	11,648	13,655	6	7
Lhuentse	1,944	15,395	14,437	8	7
Monggar	2,859	37,069	37,150	13	13
Paro	1,293	36,433	46,316	28	36
Pema Gatshel	1,030	13,864	23,632	13	23
Punakha	1,110	17,715	28,740	16	26
Samdrup Jongkhar	1,878	39,961	35,079	21	19
Samtse	1,305	60,100	62,590	46	48
Sarpang	1,946	41,549	46,004	21	24
Thimphu	2,067	98,676	138,736	48	67
Trashigang	3,066	51,134	45,518	17	15
Trashi Yangtse	1,438	17,740	17,300	12	12
Trongsa	1,807	13,419	19,960	7	11
Tsirang	639	18,667	22,376	29	35
Wangdue Phodrang	4,308	31,135	42,186	7	10
Zhemgang	2,421	18,636	17,763	8	7
Bhutan	**38,394**	**634,982**	**727,145**	**17**	**19**

Note: Excludes 8,408 tourists/non-Bhutanese found in hotels on the census day
Source: Population & Housing Census of Bhutan, 2017

Table 1.6: Mean Age at First Birth by Dzongkhag, Bhutan 2017

Dzongkhag	Urban	Rural	Both Areas
Bumthang	22	22	22
Chhukha	22	21	21
Dagana	21	20	20
Gasa	21	21	21
Haa	22	22	22
Lhuentse	21	20	20
Monggar	22	20	21
Paro	22	22	22
Pema Gatshel	21	21	21
Punakha	22	21	21
Samdrup Jongkhar	21	21	21
Samtse	21	21	21
Sarpang	21	21	21
Thimphu	22	22	22
Trashigang	22	21	21
Trashi Yangtse	22	21	21
Trongsa	21	21	21
Tsirang	22	21	21
Wangdue Phodrang	22	21	21
Zhemgang	22	20	21
Bhutan	**22**	**21**	**21**

Source: Population & Housing Census of Bhutan, 2017

Table 1.7: Crude Birth Rate, Total Fertility Rate, Crude Death Rate, General Fertility Rate, Infant Mortality Rate, Child Mortality Rate and Under 5 Mortality Rate by Dzongkhag/Thromde, Bhutan 2017

Dzongkhag /Thromde	Crude Birth Rate (CBR)	Total Fertility Rate (TFR)	Crude Death Rate (CDR)	
Bumthang	16.6	2.0	5.8	
Chhukha	16.1	1.6	6.1	
Phuentshogling Thromde	18.5	...	...	
Other than Phuentshogling Thromde	14.5	...	6.7	
Dagana	13.7	1.8	8.0	
Gasa	15.9	2.1	6.8	
Haa	14.3	1.8	6.6	
Lhuentse	16.6	2.3	8.3	
Monggar	15.8	2.0	8.2	
Paro	14.9	1.5	6.4	
Pema Gatshel	14.3	1.9	7.8	
Punakha	15.2	1.8	6.2	
Samdrup Jongkhar	15.0	1.9	7.9	
Samdrup Jongkhar Thromde	17.6	...	...	
Other than Samdrup Jongkhar Thromde	14.0	...	8.4	
Samtse	12.1	1.4	6.7	
Sarpang	13.3	1.5	6.4	
Gelegphu Thromde	13.5	...	...	
Other than Gelegphu Thromde	13.3	...	6.6	
Thimphu	18.7	1.7	5.2	
Thimphu Thromde	19.2	...	...	
Other than Thimphu Thromde	16.4	...	5.0	
Trashigang	12.8	1.6	8.6	
Trashi Yangtse	16.6	2.3	7.1	
Trongsa	15.3	1.9	6.0	
Tsirang	12.9	1.7	7.4	
Wangdue Phodrang	16.9	2.3	8.1	
Zhemgang	15.3	2.2	6.8	
Bhutan	**15.5**	**1.7**	**6.7**	

Source: Population & Housing Census of Bhutan, 2017

	General Fertility Rate (GFR)	Infant Mortality Rate (IMR)	Child Mortality Rate (CMR)	Under Five Mortality Rate (U5MR)
	65.0	10.2	10.2	20.3
	55.0	14.4	18.0	32.4
	59.2	15.7	21.5	37.2
	51.9	13.3	15.0	28.3
	53.7	26.3	26.3	52.6
	64.9	63.5	47.6	111.1
	56.9	25.6	20.5	46.2
	68.8	16.7	33.5	50.2
	60.5	13.6	32.4	46.0
	52.5	7.3	13.1	20.3
	59.3	26.6	20.7	47.3
	56.4	16.0	16.0	32.0
	58.6	17.1	41.9	59.0
	61.8	30.5	30.5	61.0
	57.2	11.1	47.1	58.2
	45.0	13.2	22.5	35.7
	48.3	14.7	18.0	32.7
	43.7	7.5	30.1	37.6
	49.7	16.7	14.6	31.3
	61.2	6.5	6.5	13.1
	61.0	5.4	5.4	10.9
	62.6	12.6	12.6	25.2
	49.8	20.7	34.4	55.1
	69.2	10.4	10.4	20.8
	64.6	16.4	6.6	23.0
	50.4	17.4	31.3	48.6
	74.4	33.7	25.3	59.0
	64.7	22.1	18.4	40.4
	57.3	**15.1**	**19.0**	**34.1**

Table 1.8: Projected Total Population of Bhutan, 2018 - 2047

Year	Total Population by Sex		
	Male	Female	Total
2018	383,909	350,465	734,374
2019	387,402	354,270	741,672
2020	390,877	358,054	748,931
2021	394,323	361,806	756,129
2022	397,731	365,518	763,249
2023	401,092	369,184	770,276
2024	404,411	372,813	777,224
2025	407,663	376,380	784,043
2026	410,840	379,878	790,718
2027	413,950	383,314	797,264
2028	416,964	386,662	803,626
2029	419,871	389,914	809,785
2030	422,679	393,076	815,755
2031	425,362	396,123	821,485
2032	427,911	399,046	826,957
2033	430,349	401,869	832,218
2034	432,686	404,602	837,288
2035	434,912	407,237	842,149
2036	437,019	409,765	846,784
2037	438,999	412,177	851,176
2038	440,857	414,479	855,336
2039	442,603	416,683	859,286
2040	444,238	418,790	863,028
2041	445,764	420,802	866,566
2042	447,180	422,720	869,900
2043	448,492	424,551	873,043
2044	449,706	426,301	876,007
2045	450,825	427,972	878,797
2046	451,849	429,567	881,416
2047	452,779	431,087	883,866

Source: Population Projections Bhutan, 2017 - 2047, National Statistics Bureau

Table 1.9: Projected Population by Sex and Dzongkhag, Bhutan, 2018 - 2047

Dzongkhag	2018			2019		
	Male	Female	Total	Male	Female	Total
Bumthang	9,411	8,507	17,917	9,425	8,590	18,015
Chhukha	36,048	33,109	69,157	36,052	33,292	69,344
Dagana	13,048	12,075	25,122	13,140	12,140	25,280
Gasa	2,139	1,879	4,019	2,175	1,911	4,086
Haa	7,454	6,236	13,690	7,473	6,252	13,725
Lhuentse	7,337	6,951	14,288	7,265	6,869	14,134
Monggar	18,108	18,909	37,017	17,965	18,912	36,877
Paro	24,335	22,885	47,220	24,735	23,402	48,137
Pema Gatshel	11,940	11,734	23,673	11,957	11,756	23,713
Punakha	15,306	13,840	29,146	15,535	14,022	29,557
Samdrup Jongkhar	18,321	16,739	35,060	18,311	16,725	35,037
Samtse	31,981	30,719	62,700	31,938	30,868	62,806
Sarpang	24,350	22,340	46,689	24,686	22,698	47,383
Thimphu	74,249	68,321	142,570	76,002	70,464	146,466
Trashigang	23,145	21,878	45,023	22,869	21,644	44,513
Trashi Yangtse	8,660	8,531	17,191	8,599	8,479	17,078
Trongsa	12,312	8,216	20,528	12,754	8,352	21,105
Tsirang	11,664	10,989	22,653	11,803	11,130	22,934
Wangdue Phodrang	24,985	18,117	43,102	25,679	18,353	44,032
Zhemgang	9,118	8,491	17,609	9,039	8,411	17,450
Bhutan	**383,909**	**350,465**	**734,374**	**387,402**	**354,270**	**741,672**

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Table 1.9 cont...

Dzongkhag	2020			2021		
	Male	Female	Total	Male	Female	Total
Bumthang	9,437	8,673	18,110	9,448	8,755	18,203
Chhukha	36,049	33,470	69,519	36,037	33,640	69,678
Dagana	13,232	12,204	25,435	13,321	12,264	25,586
Gasa	2,211	1,943	4,154	2,247	1,975	4,222
Haa	7,491	6,267	13,757	7,507	6,279	13,786
Lhuentse	7,191	6,783	13,973	7,113	6,693	13,806
Monggar	17,816	18,909	36,726	17,661	18,901	36,561
Paro	25,137	23,924	49,061	25,540	24,450	49,990
Pema Gatshel	11,972	11,776	23,748	11,985	11,792	23,777
Punakha	15,766	14,203	29,968	15,997	14,383	30,380
Samdrup Jongkhar	18,297	16,707	35,004	18,279	16,682	34,961
Samtse	31,887	31,012	62,899	31,827	31,150	62,977
Sarpang	25,023	23,057	48,079	25,360	23,417	48,776
Thimphu	77,772	72,632	150,404	79,555	74,824	154,379
Trashigang	22,584	21,398	43,982	22,288	21,141	43,429
Trashi Yangtse	8,535	8,423	16,958	8,468	8,363	16,831
Trongsa	13,200	8,488	21,688	13,652	8,624	22,276
Tsirang	11,943	11,271	23,214	12,082	11,411	23,493
Wangdue Phodrang	26,381	18,588	44,969	27,088	18,823	45,911
Zhemgang	8,956	8,327	17,283	8,870	8,239	17,109
Bhutan	**390,877**	**358,054**	**748,931**	**394,323**	**361,806**	**756,129**

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Table 1.9 cont...

Dzongkhag	2022			2023		
	Male	Female	Total	Male	Female	Total
Bumthang	9,456	8,835	18,291	9,482	8,915	18,397
Chhukha	36,016	33,804	69,820	36,061	33,959	70,020
Dagana	13,410	12,322	25,732	13,524	12,378	25,901
Gasa	2,283	2,007	4,290	2,324	2,039	4,362
Haa	7,522	6,290	13,812	7,550	6,299	13,850
Lhuentse	7,032	6,599	13,631	6,963	6,501	13,464
Monggar	17,498	18,886	36,383	17,364	18,864	36,228
Paro	25,944	24,979	50,922	26,402	25,510	51,912
Pema Gatshel	11,994	11,805	23,799	12,026	11,814	23,840
Punakha	16,228	14,562	30,790	16,492	14,741	31,233
Samdrup Jongkhar	18,256	16,652	34,908	18,266	16,615	34,881
Samtse	31,759	31,280	63,038	31,747	31,402	63,149
Sarpang	25,696	23,776	49,472	26,086	24,135	50,221
Thimphu	81,349	77,038	158,386	83,323	79,270	162,593
Trashigang	21,981	20,871	42,852	21,710	20,589	42,298
Trashi Yangtse	8,397	8,300	16,697	8,341	8,232	16,573
Trongsa	14,108	8,761	22,868	14,253	8,897	23,150
Tsirang	12,220	11,551	23,771	12,384	11,689	24,073
Wangdue Phodrang	27,802	19,056	46,858	28,090	19,288	47,377
Zhemgang	8,781	8,145	16,926	8,706	8,048	16,753
Bhutan	**397,731**	**365,518**	**763,249**	**401,092**	**369,184**	**770,276**

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Table 1.9 cont...

Dzongkhag	2032			2037		
	Male	Female	BothSex	Male	Female	BothSex
Bumthang	9,593	9,545	19,138	9,539	9,807	19,346
Chhukha	35,965	34,919	70,884	35,446	35,043	70,489
Dagana	14,437	12,713	27,150	14,816	12,750	27,566
Gasa	2,687	2,318	5,006	2,878	2,461	5,338
Haa	7,718	6,283	14,001	7,723	6,188	13,912
Lhuentse	6,185	5,430	11,616	5,626	4,693	10,319
Monggar	15,805	18,340	34,144	14,641	17,766	32,407
Paro	30,475	30,302	60,777	32,599	32,865	65,464
Pema Gatshel	12,159	11,706	23,865	12,086	11,481	23,567
Punakha	18,827	16,247	35,073	20,027	16,962	36,988
Samdrup Jongkhar	18,093	15,979	34,072	17,755	15,369	33,124
Samtse	31,167	32,078	63,245	30,411	32,064	62,475
Sarpang	29,494	27,259	56,753	31,221	28,828	60,049
Thimphu	101,316	99,886	201,203	111,128	111,324	222,452
Trashigang	18,744	17,472	36,216	16,674	15,304	31,978
Trashi Yangtse	7,671	7,429	15,100	7,159	6,831	13,991
Trongsa	15,457	10,087	25,545	16,003	10,690	26,693
Tsirang	13,791	12,854	26,645	14,484	13,403	27,887
Wangdue Phodrang	30,482	21,242	51,724	31,569	22,167	53,736
Zhemgang	7,845	6,954	14,799	7,214	6,182	13,396
Bhutan	**427,911**	**399,046**	**826,957**	**438,999**	**412,177**	**452,779**

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Table 1.9 cont...

Dzongkhag	2042			2047		
	Male	Female	BothSex	Male	Female	BothSex
Bumthang	9,405	10,005	19,410	9,205	10,149	19,353
Chhukha	34,614	34,888	69,501	33,520	34,506	68,025
Dagana	15,097	12,684	27,781	15,291	12,536	27,827
Gasa	3,055	2,591	5,646	3,221	2,711	5,932
Haa	7,666	6,037	13,704	7,557	5,842	13,399
Lhuentse	4,991	3,873	8,864	4,297	2,991	7,288
Monggar	13,294	17,014	30,308	11,804	16,120	27,923
Paro	34,581	35,312	69,892	36,419	37,648	74,067
Pema Gatshel	11,912	11,148	23,061	11,653	10,731	22,383
Punakha	21,133	17,580	38,713	22,148	18,116	40,264
Samdrup Jongkhar	17,256	14,597	31,852	16,622	13,698	30,320
Samtse	29,368	31,788	61,156	28,089	31,298	59,388
Sarpang	32,794	30,255	63,048	34,218	31,556	65,774
Thimphu	120,595	122,531	243,126	129,672	133,481	263,152
Trashigang	14,355	12,881	27,236	11,844	10,266	22,110
Trashi Yangtse	6,562	6,142	12,703	5,896	5,382	11,278
Trongsa	16,451	11,240	27,691	16,809	11,745	28,555
Tsirang	15,099	13,875	28,974	15,641	14,281	29,923
Wangdue Phodrang	32,463	22,967	55,430	33,182	23,658	56,840
Zhemgang	6,489	5,313	11,803	5,692	4,371	10,063
Bhutan	**447,180**	**422,720**	**869,900**	**452,779**	**431,087**	**883,866**

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Table 1.9 cont...

Dzongkhag	2024			2025		
	Male	Female	Total	Male	Female	Total
Bumthang	9,506	8,993	18,499	9,527	9,070	18,597
Chhukha	36,098	34,107	70,205	36,124	34,246	70,371
Dagana	13,637	12,430	26,067	13,747	12,479	26,227
Gasa	2,365	2,071	4,435	2,406	2,102	4,508
Haa	7,578	6,307	13,884	7,603	6,312	13,915
Lhuentse	6,891	6,399	13,290	6,815	6,293	13,109
Monggar	17,223	18,837	36,060	17,076	18,802	35,878
Paro	26,861	26,044	52,905	27,320	26,579	53,899
Pema Gatshel	12,056	11,819	23,875	12,082	11,821	23,903
Punakha	16,757	14,918	31,676	17,022	15,094	32,116
Samdrup Jongkhar	18,271	16,573	34,845	18,272	16,524	34,796
Samtse	31,728	31,517	63,245	31,698	31,623	63,322
Sarpang	26,475	24,494	50,969	26,863	24,851	51,714
Thimphu	85,309	81,524	166,833	87,302	83,793	171,095
Trashigang	21,428	20,295	41,723	21,135	19,988	41,123
Trashi Yangtse	8,282	8,160	16,442	8,219	8,085	16,304
Trongsa	14,397	9,033	23,430	14,539	9,169	23,708
Tsirang	12,547	11,827	24,373	12,708	11,963	24,671
Wangdue Phodrang	28,376	19,518	47,894	28,658	19,746	48,404
Zhemgang	8,627	7,946	16,573	8,545	7,839	16,384
Bhutan	**404,411**	**372,813**	**777,224**	**407,663**	**376,380**	**784,043**

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Table 1.9 cont...

Dzongkhag	2026			2027		
	Male	Female	Total	Male	Female	Total
Bumthang	9,546	9,144	18,690	9,562	9,217	18,780
Chhukha	36,140	34,376	70,515	36,145	34,496	70,641
Dagana	13,855	12,525	26,380	13,961	12,567	26,528
Gasa	2,447	2,134	4,581	2,487	2,166	4,653
Haa	7,627	6,315	13,942	7,648	6,316	13,964
Lhuentse	6,737	6,183	12,919	6,655	6,068	12,723
Monggar	16,920	18,760	35,680	16,758	18,711	35,469
Paro	27,778	27,115	54,892	28,235	27,651	55,886
Pema Gatshel	12,105	11,818	23,924	12,125	11,812	23,937
Punakha	17,285	15,267	32,552	17,547	15,439	32,986
Samdrup Jongkhar	18,266	16,468	34,735	18,255	16,406	34,661
Samtse	31,659	31,720	63,379	31,609	31,808	63,417
Sarpang	27,249	25,206	52,455	27,633	25,559	53,192
Thimphu	89,300	86,074	175,374	91,304	88,368	179,672
Trashigang	20,832	19,668	40,499	20,517	19,335	39,853
Trashi Yangtse	8,153	8,004	16,158	8,084	7,920	16,004
Trongsa	14,679	9,304	23,983	14,817	9,438	24,256
Tsirang	12,869	12,097	24,966	13,028	12,230	25,259
Wangdue Phodrang	28,936	19,971	48,907	29,210	20,194	49,404
Zhemgang	8,458	7,727	16,185	8,368	7,611	15,979
Bhutan	**410,840**	**379,878**	**790,718**	**413,950**	**383,314**	**797,264**

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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.

Table 2.1: Summary of Health Facilities and Personnel, Bhutan, (2014-2018)

(Numbers)

Facilities	2014	2015	2016	2017	2018
Number of Hospitals [1]	31	31	30	27	27
Number of Basic Health Units [2]	206	207	210	208	209
Number of Outreach Clinics [3]	562	562	553	551	551
Number of Indigenous Units	52	54	59	66	65
Number of Sub-post	28	28	49	45	46
Persons per doctor [4]	3,054	3,016	2,570	2,132	2,179
Ratio of beds per Nurse	1.3	1.2	1.1	1.1	1.1
Ratio of Nurses per Doctor	3.9	4.3	4.0	3.6	3.5
Doctors per (10,000) persons	3.3	3.3	3.9	4.3	4.6
Nurses per (10,000) persons	12.8	14.1	15.4	16.2	16.5
Pharmacists per (10,000) persons	0.2	0.2	0.3	0.5	0.6
HA/BHW per (10,000) persons	8.5	8.5	8.6	8.1	8.3
Dungtshos per (10,000) persons	0.6	0.6	0.7	0.7	0.7
sMempas per (10,000) persons	1.2	1.3	1.4	1.4	1.5
Persons per hospital bed	584	593	602	569	552
Number of hospital beds available	1,277	1,277	1,277	1,277	1,310
Hospital bed per 10,000 persons	17	17	17	18	18
Distribution of health facilities per (10,000) persons	3.5	3.5	3.5	3.8	3.8
Proportion of population within 3 hrs walking distance of a health facility (%)	>90	>90	>90	>90	>90
Population access to safe drinking water (%)	95.0	95.0	95.0	97.7	98.6
Deliveries attended by trained personnel(%)	89.0	89.0	89.0	96.4	96.2

Note: [1] Indigenous hospital is included and excludes RBA and IMTRAT Hospital

[2] Satellite Clinics included under BHU(Inclusive of BHU I & II)

[3] ORC (Inclusive of with shed & without shed)

[4] The population is based on latest PHCB 2017and Population Projections Bhutan, 2017 - 2047 NSB

Source: Annual Health Bulletin 2019, MoH, Thimphu.

Table 2.2: Type of Health Facilities by Dzongkhag, Bhutan, 2018

(Numbers)

District	Facility Type					ORC with shed	ORC without shed
	Hospital	BHU I	BHU II	Sub-post	Ind. Unit		
Bumthang	1	0	5	0	3	12	0
Chhukha	3	2	13	2	4	38	6
Dagana	1	2	7	0	3	29	4
Gasa	0	1	3	0	1	4	1
Haa	1	0	4	2	3	9	8
Lhuntse	1	0	14	0	2	30	2
Monggar	1	1	22	5	5	52	0
Paro	1	0	3	3	1	18	4
Pema Gatshel	1	1	11	7	4	32	4
Punakha	1	0	7	1	1	10	0
Samdrup Jongkhar	2	3	7	3	6	28	3
Samtse	2	2	12	5	4	45	5
Sarpang	2	1	11	1	3	12	1
Thimphu	3	1	12	0	3	3	13
Trashigang	2	5	13	5	7	52	2
Trashi Yangtse	1	1	7	2	2	23	2
Trongsa	1	0	6	4	4	19	0
Tsirang	1	0	8	0	2	14	6
Wangdue Phodrang	1	1	10	8	4	19	5
Zhemgang	1	2	11	5	4	31	5
Total	**27**	**23**	**186**	**53**	**66**	**480**	**71**

Note: Indigenous hospital included under hospital and excludes RBA and IMTART. and Satellite Clinic included under BHU Satellite Clinics included under BHU

Source: Annual Health Bulletin 2019, MoH, Thimphu.

Table 2.3: Health Personnel by Category, Bhutan, (2014 - 2018)

(Numbers)

Health personnel	2014	2015	2016	2017	2018
Doctors (MBBS/Specialists) [1]	244	251	299	345	337
Clinical Officer/Assistant Clinical Officers	36	35	30	25	21
Nurses (Assistant Nurse/GNM/B.Sc. Nurse)	957	1,070	1,185	1,264	1,202
Health Assistants	514	548	592	600	604
Basic Health Workers	118	95	62	36	...
Drungtshos (Indigenous Physicians)	46	47	54	55	53
sMenpas (Sowa Menpas)	90	100	105	113	113
Pharmacists	14	15	23	36	44
Medical Lab. Technologists	20	38	51	74	53
Physiotherapists	12	12	18	21	27
Technicians	884	900	945	931	926
Administrative & Support Staff (Regular)	1,131	1,112	1,066	1,010	882
General and Elementary Service Personnel (GSP/ESP)	622	594	594	594	987

Note: [1]Includes all medical doctors registered and certified by the Bhutan Medical and Health Council.
Source: Annual Health Bulletin 2019, MoH, Thimphu.

Table 2.4: Top Ten Morbidity, Bhutan, 2018(Numbers)

Diseases	2018
Common Cold	105,838
Other Disorders of Skin and Subcutaneous Tissue	43,523
Other Nervous including Peripheral Disorders	41,620
Other Diseases of the Digestive System	39,313
Skin Infections	36,817
Other Musculo-Skeletal Disorders	33,736
Other Respiratory & Nose Diseases	26,313
Acute Pharyngitis/ Tronsillitis	24,194
Other Eye Disorders	21,170
Peptic Ulcer Syndrome	20,091

Source: Annual Health Bulletin 2019, MoH, Thimphu.

Table 2.5: Top Ten Inpatient Hospital Mortality, Bhutan, 2018

(Numbers)

Diseases	2018
Alcohol Liver Diseases	113
Other Circulatory Diseases	104
Other Respiratory & Nose Diseases	99
Other Diseases of the Digestive System	90
Other Cancers	87
Pneumonia	87
Cerebro-vascular Diseases	78
Other Kidney, UT/Genital Disorders	74
Other Sepsis, including Septicaemia	62
Conditions Originating in Perinatal Period	35

Source: Annual Health Bulletin 2019, MoH, Thimphu.

Table 2.6: Total Morbidity by sex and age group, Bhutan, 2018

Name of Diseases	Under 1 Yr		1 – 4 Yrs	
	Male	Female	Male	Female
Infections				
Diarrhoea	1453	1404	4314	3691
Dysentery	142	85	285	261
TuberculosisB	8	6	2	4
Other Sepsis (includes Septicaemia)	109	77	82	32
Congenital Syphilis	4	3	1	0
Genital Ulcer	1	0	2	2
Syphilis	2	1	0	1
Urethral/Vaginal Discharges	0	1	1	3
Other Sexually Transmitted Disease (excludes HIV/ AIDS)	0	0	1	4
RickettsialDiseaseB	10	8	57	43
Viral, Protozoal & Helminthic disease				
Chicken Pox	18	21	137	140
Acute Hepatitis A	1	0	2	1
Acute Hepatitis B	1	0	0	0
Other Acute Hepatitis (includes Hepatitis C&E)	1	0	0	1
Plasmoidum Falciparum Malaria	0	0	1	0
Plasmodium Vivax Malaria	0	0	0	0
Other Malaria	0	0	0	0
Visceral Leishmaniasis (Kala-azar)	0	0	0	0
Intestinal Worms	7	6	129	138
Scabies	40	59	279	291
Streptococcus GroupAB	2	5	8	12
Other Infections (excludes ear, brain, STI)	305	315	705	659
Neoplasm				
Oesophagus Cancer	0	0	0	0
Stomach/ Gastric Cancer	0	0	0	0
Colon Cancer	0	0	0	0
Rectal Cancer	0	0	0	0
Hepato-Biliary Cancer	0	0	0	0
Pancreatic Cancer	0	0	0	0
Breast Cancer	0	0	0	0

(Numbers)

	5 – 14 Yrs		15 – 49 Yrs		50 - 59 Yrs		60 + Yrs		Total
	Male	Female	Male	Female	Male	Female	Male	Female	
	5321	4731	6946	6779	975	1005	1398	1481	39,498
	450	394	1069	967	206	186	290	230	4,565
	8	16	289	330	42	21	74	60	860
	28	19	82	98	14	19	48	36	644
	0	0	0	0	0	0	0	0	8
	5	5	120	69	11	11	9	8	243
	7	11	58	92	9	8	7	5	201
	8	52	1182	1975	108	208	29	50	3,617
	24	15	443	462	19	42	12	16	1,038
	92	81	362	357	89	76	99	118	1,392
	900	904	304	286	14	15	5	7	2,751
	5	3	17	12	2	0	2	0	45
	0	0	112	119	24	13	23	17	309
	4	8	53	26	5	3	11	2	114
	4	0	8	4	5	1	5	1	29
	1	0	15	9	2	0	1	4	32
	1	2	9	5	3	1	0	1	22
	2	2	9	6	0	2	1	1	23
	359	314	602	670	112	91	114	91	2,633
	2201	1520	2021	1696	240	193	250	201	8,991
	28	23	71	43	4	4	6	5	211
	1382	1231	3169	3528	594	562	552	533	13,535
	0	0	1	0	9	7	23	15	55
	0	0	4	11	16	9	50	49	139
	0	0	6	4	7	5	25	16	63
	0	0	16	1	8	6	17	7	55
	0	0	1	3	2	7	9	4	26
	1	0	2	0	2	1	4	2	12
	0	0	0	25	0	18	0	7	50

cont...

Table 2.6 cont...

Name of Diseases	Under 1 Yr		1 – 4 Yrs	
	Male	Female	Male	Female
Cervical Cancer	0	0	0	0
Other Cancers	1	0	2	10
Blood diseases				
Neoplasm (benign + CIS)	1	0	7	4
Nutritional Anaemia	30	24	154	174
Blood & Immune Disorders	15	7	22	34
Endocrine, Metabolic & Nutritional				
DiabetesB	2	0	0	1
Malnutrition (excludes child clinic attendance)	9	3	17	11
Other Nutritional & Metabolic Disorders	35	24	91	106
Mental disorders				
Dementia	0	0	0	0
Mental and Behavioral Disorders due to Alcohol	0	0	0	0
Mental and Behavioral Disorders due to Multiple Drug use & other use of Psychoactive substances	0	0	0	0
Psychosis	0	0	0	0
Depression	0	0	0	0
Anxiety	0	0	0	1
Other Mental Disorders	3	1	3	1
Disease of Nervous system				
Meningitis/Encephalitis	31	38	30	37
EpilepsyB	5	11	55	41
Other Nervous Disorders (includes Peripheral disorders)	172	145	483	460
Eye & Ear Diseases				
Conjunctivitis	350	347	668	663
CataractB	1	4	6	3
Disorders of Refraction & Accommodation (Refractive Error in the Eye)	9	9	9	20
Other Eye Disorders	426	486	895	879
Otitis Media	218	204	541	574
Other Ear Disorders	246	241	522	611
Diseases of Circulatory System				
Rheumatic Heart DiseaseB	4	4	3	7
Hypertension	0	0	0	0

	5 – 14 Yrs		15 – 49 Yrs		50 - 59 Yrs		60 + Yrs		Total
	Male	Female	Male	Female	Male	Female	Male	Female	
	0	0	0	75	0	64	0	59	198
	22	8	97	169	64	54	130	120	677
	11	9	42	180	12	43	46	44	399
	420	692	1910	5615	416	761	615	830	11,641
	73	83	255	532	108	129	115	147	1,520
	3	8	878	1120	888	859	1018	939	5,716
	10	21	38	57	6	5	12	7	196
	294	375	775	1239	229	214	175	219	3,776
	0	0	23	3	3	2	1	1	33
	0	0	593	224	90	33	45	25	1,010
	1	5	233	54	16	5	7	2	323
	2	1	117	75	12	14	8	10	239
	3	8	221	329	40	50	23	28	702
	14	23	376	650	62	94	53	45	1,318
	21	40	369	702	82	101	57	58	1,438
	16	10	36	29	4	5	15	11	262
	69	58	336	346	48	47	56	49	1,121
	3450	4072	13301	28080	2733	4121	3414	4049	64,480
	2753	2490	4874	5857	934	1045	1193	1460	22,634
	37	31	104	100	61	57	179	213	796
	379	432	930	1602	256	277	280	267	4,470
	3611	3822	10160	13215	2311	2910	3844	4653	47,212
	1926	1699	2393	2624	324	315	301	318	11,437
	2024	1946	3741	3874	635	622	814	666	15,942
	12	11	278	354	160	187	232	257	1,509
	32	32	4141	6211	2872	3195	4198	4278	24,959

cont...

Table 2.6 cont...

Name of Diseases	Under 1 Yr		1 – 4 Yrs	
	Male	Female	Male	Female
Ischaemic Heart DiseasesB	0	0	0	0
Cerebro-vascular DiseasesB	2	0	2	0
Bubo	0	0	0	0
Other Circulatory Diseases	57	66	90	92
Respiratory Diseases				
Common Cold	6910	6769	16892	16350
Acute Pharyngitis/ Tonsillitis	369	459	3046	1939
Pneumonia	1068	808	1578	1315
Asthma	10	9	28	19
Other Respiratory & Nose Diseases	1667	1697	3043	2940
Diseases of the Digestive system				
Diseases of Teeth & Gums	61	43	761	798
Dental Caries	0	0	1021	1147
Peptic Ulcer Syndrome	23	32	167	193
Acute AppendicitisB	2	0	4	1
Alcoholic Liver Disease	0	0	0	0
Gall Bladder DiseasesB	10	3	1	3
Other Diseases of the Digestive System	746	819	2837	2753
Diseases of the Skin and Subcutaneous Tissue				
Skin Infections	1146	1122	4071	3774
Other Disorders of Skin and Subcutaneous Tissue	1489	1642	4144	3970
Diseases of Musculo-skeletal system & Cogenital Deformities				
Arthritis & Arthrosis	2	7	31	29
Other Musculo-Skeletal Disorders	56	45	340	331
Diseases of Genito-Urinary diseases				
CystitisB	7	4	21	24
Infections of the Breast (includes Puerperium)	0	0	0	0
Other diseases of the Breast	0	0	0	3
Pelvic Inflammatory DiseaseB	0	0	0	0
Menstrual Disturbances	0	0	0	0
Other Kidney, UT/Genital Disorders	65	35	359	390
Pregnancy, Childbirth and Puerperium				
Abortions	0	0	0	0
Pregnancy Induced Hypertension	0	0	0	0

	5 – 14 Yrs		15 – 49 Yrs		50 - 59 Yrs		60 + Yrs		Total
	Male	Female	Male	Female	Male	Female	Male	Female	
	1	2	83	79	56	76	141	104	542
	6	3	59	55	48	37	194	138	544
	0	1	14	9	5	6	6	11	52
	349	366	1518	2387	431	503	833	867	7,559
	28822	31042	43032	51706	7063	7165	7960	7814	231,525
	7571	8463	14056	18240	1969	1980	1689	1695	61,476
	477	406	424	346	106	122	302	344	7,296
	49	37	198	312	105	140	348	377	1,632
	6041	6356	12982	16408	2430	2620	3674	3809	63,667
	4403	4892	7177	9005	1402	1343	1469	1397	32,751
	6231	6757	10552	13790	2024	2033	2093	1901	47,549
	1655	2168	14617	18855	3210	3561	3290	3710	51,481
	48	45	268	206	30	23	32	24	683
	1	2	1028	628	366	224	278	197	2,724
	4	1	151	400	62	105	90	140	970
	7872	9658	20862	28883	3946	4235	4858	5217	92,686
	12245	10665	18908	16988	2588	2220	2562	2122	78,411
	11523	11323	24940	25306	3394	3346	3819	3871	98,767
	250	247	2424	2401	938	893	1216	1152	9,590
	3216	2932	26239	28428	6514	6774	8532	7472	90,879
	48	80	374	1347	60	101	68	113	2,247
	0	2	0	340	0	9	0	9	360
	5	10	29	1107	14	28	2	9	1,207
	0	10	0	1149	0	106	0	60	1,325
	0	141	0	3793	0	240	0	31	4,205
	1043	1308	5706	19582	1231	2273	1401	1668	35,061
	0	3	0	1435	0	0	0	0	1,438
	0	0	0	779	0	0	0	0	779

cont...

Table 2.6 cont...

Name of Diseases	Under 1 Yr		1 – 4 Yrs	
	Male	Female	Male	Female
Ante-Partum Haemorrhage & Placenta Previa	0	0	0	0
Malpresentation	0	0	0	0
Prolonged Labour	0	0	0	0
Obstructed Labour	0	0	0	0
Post-Partum Heamorrhage	0	0	0	0
Retained Placenta	0	0	0	0
Puerperal Sepsis	0	0	0	0
Other Complications of Pregnancy	0	0	0	0
Certain Conditions Originating in the Perinatal Period				
Low Birth Weight	254	251	0	0
Foetal Death & Stillbirth	29	30	0	0
Neonatal Death	41	36	0	0
Conditions Originating in the Perinatal period	1782	1392	0	0
Congenital Malformations, Deformations and Chromosomal abnormalities				
Oro-facial Clefts	7	8	0	0
Gastrointestinal Tract defects	1	2	3	2
Talipes Equinovarus	1	0	0	0
Omphalocele	3	2	0	0
Other Malformations	63	61	74	46
Injury, Poisoning and certain other consequences of External Causes				
Mushroom Poisoning (Toxic effect of other unspecified substances)	0	1	9	13
Transport Accidents	3	3	26	32
Accidental Falls	16	22	294	201
Other Bites and Sting (excludes dog bite)	8	21	196	186
Dog Bites	6	12	356	244
Accidental Drowning & Submersion	0	0	1	3
Exposure to Electric Current	0	1	9	0
Contact with Heat & Hot substances and exposure to Smoke, Fire & Flames	22	32	206	176
Snake Bite	1	0	2	2
Contact with Venomous Animals and Plants (excludes snake bite)	0	0	3	2
Accidental Poisoning by and Exposure to Noxious substances	6	0	16	13

	5 – 14 Yrs		15 – 49 Yrs		50 - 59 Yrs		60 + Yrs		Total
	Male	Female	Male	Female	Male	Female	Male	Female	
	0	0	0	589	0	0	0	0	589
	0	0	0	95	0	0	0	0	95
	0	0	0	256	0	0	0	0	256
	0	0	0	55	0	0	0	0	55
	0	0	0	116	0	0	0	0	116
	0	0	0	103	0	0	0	0	103
	0	0	0	90	0	0	0	0	90
	0	10	0	8347	0	0	0	0	8,357
	0	0	0	0	0	0	0	0	505
	0	0	0	0	0	0	0	0	59
	0	0	0	0	0	0	0	0	77
	0	0	0	0	0	0	0	0	3,174
	0	0	0	0	0	0	0	0	15
	0	0	0	0	0	0	0	0	8
	0	0	0	0	0	0	0	0	1
	0	0	0	0	0	0	0	0	5
	38	23	16	28	2	1	3	1	356
	17	12	53	73	7	9	3	5	202
	92	85	1116	515	145	75	66	38	2,196
	1154	579	1841	1075	316	223	388	317	6,426
	553	450	933	1019	195	195	166	180	4,102
	1200	780	1716	1332	367	205	328	214	6,760
	11	8	20	19	4	2	10	2	80
	6	3	29	13	0	3	0	2	66
	252	235	453	478	61	57	75	53	2,100
	7	5	71	54	22	3	13	6	186
	4	3	26	18	4	6	3	2	71
	8	3	26	24	5	5	2	2	110

cont...

Table 2.6 cont...

Name of Diseases	Under 1 Yr		1 – 4 Yrs		
	Male	Female	Male	Female	
Intentional Self-harm by Poisoning	0	0	1	3	
Intentional Self-harm by Drowning & Submersion	0	0	0	0	
Assault by Poisoning (includes homicidal poisoning)	0	1	0	0	
Assault by Drowning and Submersion	0	0	0	0	
Other Intentional Self-harm	0	0	0	2	
Work Related Injuries	5	5	248	139	
Other Conditions					
Others (injuries other than above & unknown cause of injury)	40	31	695	541	
Complications of Health Care	50	45	88	87	
ANC, Immunization & Other Counselling	3215	3532	4750	4713	
Total	**22,905**	**22,587**	**54,927**	**51,396**	

	5 – 14 Yrs		15 – 49 Yrs		50 - 59 Yrs		60 + Yrs		Total
	Male	Female	Male	Female	Male	Female	Male	Female	
	1	2	23	61	0	4	2	0	97
	0	0	5	9	0	0	0	2	16
	0	0	5	5	3	2	2	0	18
	0	0	5	16	0	1	2	0	24
	12	6	83	92	12	6	7	9	229
	2722	1424	11918	5262	1763	892	1462	735	26,575
	3600	1972	7151	4302	941	648	1058	595	21,574
	60	65	246	565	44	42	45	50	1,387
	2097	2646	22150	25434	1502	1769	2960	1162	75,930
	129,708	**130,438**	**316,719**	**404,902**	**58,273**	**62,034**	**71,347**	**69,349**	**1,394,585**

Table 2.7: Inpatient Cases in all Hospitals by Sex and Age Group, Bhutan, 2018

Indicators	Under 1 Yr		1 – 4 Yrs	
	Male	Female	Male	Female
Infections				
Diarrhoea	88	82	208	183
Dysentery	11	4	29	22
TuberculosisB	8	6	2	3
Other Sepsis (includes Septicaemia)	106	71	79	26
Congenital Syphilis	4	3	1	0
Genital Ulcer	0	0	0	0
Syphilis	2	1	0	0
Urethral/Vaginal Discharges	0	1	0	0
Other Sexually Transmitted Disease (excludes HIV/ AIDS)	0	0	0	1
RickettsialDiseaseB	10	8	52	40
Viral, Protozoal & Helminthic disease				
Chicken Pox	1	3	6	3
Acute Hepatitis A	0	0	0	0
Acute Hepatitis B	1	0	0	0
Other Acute Hepatitis (includes Hepatitis C&E)	0	0	0	1
Plasmoidum Falciparum Malaria	0	0	0	0
Plasmodium Vivax Malaria	0	0	0	0
Other Malaria	0	0	0	0
Visceral Leishmaniasis (Kala-azar)	0	0	0	0
Intestinal Worms	0	0	1	1
Scabies	4	0	4	3
StreptococcusGroupAB	0	0	0	0
Other Infections (excludes ear, brain, STI)	120	94	105	111
Neoplasm				
Oesophagus Cancer	0	0	0	0
Stomach/ Gastric Cancer	0	0	0	0
Colon Cancer	0	0	0	0
Rectal Cancer	0	0	0	0
Hepato-Biliary Cancer	0	0	0	0
Pancreatic Cancer	0	0	0	0
Breast Cancer	0	0	0	0

(Numbers)

	5 – 14 Yrs		15 – 49 Yrs		50 - 64 Yrs		65 + Yrs		Total	Death
	Male	Female	Male	Female	Male	Female	Male	Female		
	132	104	232	276	33	32	80	95	1,545	2
	12	20	35	29	9	8	11	8	198	0
	6	9	236	246	34	14	63	50	677	22
	24	17	65	85	12	19	47	36	587	62
	0	0	0	0	0	0	0	0	8	0
	0	0	0	1	0	0	0	0	1	0
	0	0	2	1	1	0	1	2	10	0
	2	0	38	24	0	2	2	0	69	0
	1	0	15	13	0	1	1	0	32	0
	74	64	254	238	62	60	87	93	1,042	2
	16	6	13	7	0	2	0	0	57	0
	0	1	1	1	0	0	1	0	4	0
	0	0	33	16	3	4	5	4	66	2
	2	3	46	15	3	2	10	2	84	2
	2	0	6	3	2	0	4	1	18	1
	0	0	11	6	2	0	0	3	22	0
	0	2	8	4	2	1	0	1	18	0
	2	1	4	1	0	0	0	0	8	0
	5	2	9	12	4	0	0	0	34	0
	8	5	18	11	0	1	0	0	54	0
	0	0	0	0	0	0	0	0	-	0
	97	100	248	241	47	73	70	82	1,388	10
	0	0	1	0	9	7	22	15	54	8
	0	0	4	11	16	9	50	48	138	20
	0	0	6	4	7	5	25	16	63	3
	0	0	16	1	8	6	17	7	55	3
	0	0	1	3	2	7	9	4	26	8
	1	0	2	0	2	1	4	2	12	5
	0	0	0	20	0	11	0	6	37	2

cont...

Table 2.7 cont...

Indicators	Under 1 Yr		1 – 4 Yrs	
	Male	Female	Male	Female
Cervical Cancer	0	0	0	0
Other Cancers	0	0	0	5
Blood diseases				
Neoplasm (benign + CIS)	0	0	6	2
Nutritional Anaemia	14	9	30	28
Blood & Immune Disorders	13	6	16	22
Endocrine, Metabolic & Nutritional				
DiabetesB	2	0	0	1
Malnutrition (excludes child clinic attendance)	8	3	5	4
Other Nutritional & Metabolic Disorders	17	5	15	17
Mental disorders				
Dementia	0	0	0	0
Mental and Behavioral Disorders due to Alcohol	0	0	0	0
Mental and Behavioral Disorders due to Multiple Drug use & other use of Psychoactive substances	0	0	0	0
Psychosis	0	0	0	0
Depression	0	0	0	0
Anxiety	0	0	0	0
Other Mental Disorders	3	1	1	0
Disease of Nervous system				
Meningitis/Encephalitis	29	37	30	35
EpilepsyB	2	5	30	25
Other Nervous Disorders (includes Peripheral disorders)	16	8	30	24
Eye & Ear Diseases				
Conjunctivitis	1	1	3	5
CataractB	0	0	0	0
Disorders of Refraction & Accommodation (Refractive Error in the Eye)	0	0	0	0
Other Eye Disorders	2	3	17	20
Otitis Media	7	4	2	11
Other Ear Disorders	2	1	9	8
Diseases of Circulatory System				
Rheumatic Heart DiseaseB	4	3	0	1
Hypertension	0	0	0	0

	5 – 14 Yrs		15 – 49 Yrs		50 - 64 Yrs		65 + Yrs		Total	Death
	Male	Female	Male	Female	Male	Female	Male	Female		
	0	0	0	32	0	30	0	30	92	9
	12	2	60	74	58	31	118	103	463	87
	2	2	20	117	5	31	37	27	249	4
	15	14	92	228	25	37	59	61	612	5
	22	24	59	148	16	25	44	44	439	9
	2	5	159	146	109	99	215	161	899	10
	4	4	1	1	2	0	4	1	37	1
	7	3	54	74	5	25	23	30	275	3
	0	0	14	2	1	2	1	1	21	0
	0	0	442	138	67	14	28	13	702	1
	0	0	160	20	2	1	2	0	185	0
	1	0	44	23	4	4	1	2	79	0
	1	3	76	96	10	12	4	14	216	0
	3	8	51	133	4	11	4	4	218	0
	8	5	65	95	21	9	12	17	237	2
	16	8	23	17	4	4	10	8	221	29
	23	16	76	61	9	5	12	15	279	1
	45	28	301	303	57	45	74	64	995	13
	18	26	26	20	3	0	2	2	107	0
	2	0	7	14	7	4	60	87	181	0
	51	40	3	3	1	0	1	0	99	0
	60	25	191	169	52	34	77	57	707	1
	25	15	41	38	2	4	1	4	154	0
	24	24	72	54	12	13	5	8	232	0
	6	8	24	25	19	22	18	14	144	6
	6	1	352	367	199	205	545	458	2,133	16

cont...

Table 2.7 cont...

Indicators	Under 1 Yr		1 – 4 Yrs	
	Male	Female	Male	Female
Ischaemic Heart DiseasesB	0	0	0	0
Cerebro-vascular DiseasesB	0	0	2	0
Bubo	0	0	0	0
Other Circulatory Diseases	24	32	17	14
Respiratory Diseases				
Common Cold	177	198	350	337
Acute Pharyngitis/ Tonsillitis	22	26	85	71
Pneumonia	376	235	397	306
Asthma	5	1	21	10
Other Respiratory & Nose Diseases	394	289	428	339
Diseases of the Digestive system				
Diseases of Teeth & Gums	2	0	8	5
Dental Caries	0	0	19	5
Peptic Ulcer Syndrome	2	1	7	8
Acute AppendicitisB	2	0	4	1
Alcoholic Liver Disease	0	0	0	0
Gall Bladder DiseasesB	10	3	1	3
Other Diseases of the Digestive System	90	75	177	110
Diseases of the Skin and Subcutaneous Tissue				
Skin Infections	53	39	92	76
Other Disorders of Skin and Subcutaneous Tissue	54	42	105	74
Diseases of Musculo-skeletal system & Cogenital Deformities				
Arthritis & Arthrosis	1	0	3	2
Other Musculo-Skeletal Disorders	9	2	41	18
Diseases of Genito-Urinary diseases				
CystitisB	4	2	1	6
Infections of the Breast (includes Puerperium)	0	0	0	0
Other diseases of the Breast	0	0	0	0
Pelvic Inflammatory DiseaseB	0	0	0	0
Menstrual Disturbances	0	0	0	0
Other Kidney, UT/Genital Disorders	33	10	92	54
Pregnancy, Childbirth and Puerperium				
Abortions	0	0	0	0
Pregnancy Induced Hypertension	0	0	0	0

	5 – 14 Yrs		15 – 49 Yrs		50 - 64 Yrs		65 + Yrs		Total	Death
	Male	Female	Male	Female	Male	Female	Male	Female		
	0	1	14	3	16	9	60	38	141	12
	2	2	46	28	31	23	172	117	423	75
	0	1	6	4	1	3	4	8	27	0
	19	11	237	237	86	81	379	304	1,441	95
	343	291	573	579	49	59	61	90	3,107	0
	176	187	316	417	16	40	32	30	1,418	0
	124	106	161	110	56	65	187	225	2,348	84
	18	9	53	82	16	43	104	133	495	11
	215	163	540	533	140	188	640	754	4,623	96
	25	17	46	46	6	6	6	6	173	0
	98	100	261	261	126	122	125	134	1,251	0
	29	35	445	512	64	101	102	147	1,453	2
	46	36	235	154	20	16	23	18	555	2
	0	0	549	269	169	113	160	106	1,366	109
	3	0	109	352	41	82	76	111	791	4
	229	169	944	912	199	204	387	266	3,762	84
	114	96	326	285	49	31	97	58	1,316	0
	190	124	498	439	83	52	135	102	1,898	0
	16	8	73	69	36	21	61	41	331	0
	121	80	690	637	141	122	188	167	2,216	16
	4	4	45	154	10	5	19	29	283	0
	0	0	0	55	0	1	0	0	56	0
	1	2	4	72	0	1	0	1	81	0
	0	0	0	60	0	2	0	3	65	0
	0	3	0	199	0	24	0	5	231	0
	233	125	728	1527	163	208	366	266	3,805	73
	0	2	0	1097	0	0	0	0	1,099	0
	0	0	0	548	0	0	0	0	548	1

cont...

Table 2.7 cont...

Indicators	Under 1 Yr		1 – 4 Yrs	
	Male	Female	Male	Female
Ante-Partum Haemorrhage & Placenta Previa	0	0	0	0
Malpresentation	0	0	0	0
Prolonged Labour	0	0	0	0
Obstructed Labour	0	0	0	0
Post-Partum Heamorrhage	0	0	0	0
Retained Placenta	0	0	0	0
Puerperal Sepsis	0	0	0	0
Other Complications of Pregnancy	0	0	0	0
Certain Conditions Originating in the Perinatal Period				
Low Birth Weight	254	247	0	0
Foetal Death & Stillbirth	28	30	0	0
Neonatal Death	38	36	0	0
Conditions Originating in the Perinatal period	1730	1326	0	0
Congenital Malformations, Deformations and Chromosomal abnormalities				
Oro-facial Clefts	6	7	0	0
Gastrointestinal Tract defects	1	2	3	2
Talipes Equinovarus	0	0	0	0
Omphalocele	3	2	0	0
Other Malformations	69	61	86	52
Injury, Poisoning and certain other consequences of External Causes				
Mushroom Poisoning (Toxic effect of other unspecified substances)	0	1	7	3
Transport Accidents	2	1	11	15
Accidental Falls	6	6	52	31
Other Bites and Sting (excludes dog bite)	0	1	4	8
Dog Bites	0	0	29	23
Accidental Drowning & Submersion	0	0	0	1
Exposure to Electric Current	0	0	0	0
Contact with Heat & Hot substances and exposure to Smoke, Fire & Flames	2	2	19	18
Snake Bite	1	0	1	1
Contact with Venomous Animals and Plants (excludes snake bite)	0	0	0	0
Accidental Poisoning by and Exposure to Noxious substances	4	0	8	9

	5 – 14 Yrs		15 – 49 Yrs		50 - 64 Yrs		65 + Yrs		Total	Death
	Male	Female	Male	Female	Male	Female	Male	Female		
	0	0	0	134	0	0	0	0	134	0
	0	0	0	86	0	0	0	0	86	0
	0	0	0	234	0	0	0	0	234	0
	0	0	0	53	0	0	0	0	53	0
	0	0	0	107	0	0	0	0	107	0
	0	0	0	94	0	0	0	0	94	0
	0	0	0	79	0	0	0	0	79	1
	0	8	0	7188	0	0	0	0	7,196	5
	0	0	0	0	0	0	0	0	501	17
	0	0	0	0	0	0	0	0	58	58
	0	0	0	0	0	0	0	0	74	74
	0	0	0	0	0	0	0	0	3,056	35
	0	0	0	0	0	0	0	0	13	0
	0	0	0	0	0	0	0	0	8	0
	0	0	0	0	0	0	0	0	-	0
	0	0	0	0	0	0	0	0	5	0
	46	28	17	29	1	1	1	1	392	16
	2	4	20	32	2	3	2	3	79	0
	35	27	393	173	59	30	24	13	783	13
	159	85	343	172	74	40	121	97	1,186	17
	8	5	55	55	10	10	20	8	184	1
	114	59	165	105	25	11	41	17	589	0
	1	0	1	0	0	0	0	0	3	0
	0	0	4	1	0	0	0	0	5	1
	15	11	57	54	12	7	6	6	209	5
	3	0	37	30	12	2	7	6	100	0
	0	0	1	4	1	0	3	2	11	0
	0	0	11	11	4	4	2	1	54	0

cont...

Table 2.7 cont...

Indicators	Under 1 Yr		1 – 4 Yrs	
	Male	Female	Male	Female
Intentional Self-harm by Poisoning	0	0	0	1
Intentional Self-harm by Drowning & Submersion	0	0	0	0
Assault by Poisoning (includes homicidal poisoning)	0	0	0	0
Assault by Drowning and Submersion	0	0	0	0
Other Intentional Self-harm	0	0	0	0
Work Related Injuries	0	0	5	5
Other Conditions				
Others (injuries other than above & unknown cause of injury)	8	7	87	46
Complications of Health Care	8	5	5	5
ANC, Immunization & Other Counselling	12	17	36	31
Total	**3,905**	**3,065**	**2,884**	**2,292**

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

Source: Annual Health Bulletin 2019, MoH, Thimphu.

	5 – 14 Yrs		15 – 49 Yrs		50 - 64 Yrs		65 + Yrs		Total	Death
	Male	Female	Male	Female	Male	Female	Male	Female		
	1	0	14	39	0	2	1	0	58	2
	0	0	5	4	0	0	0	2	11	0
	0	0	3	2	0	1	1	0	7	1
	0	0	1	0	0	0	0	0	1	0
	1	1	25	31	2	2	2	1	65	3
	39	18	396	108	47	17	61	22	718	1
	297	132	1006	419	130	90	193	154	2,569	19
	3	0	33	26	2	7	7	7	108	6
	25	29	96	832	18	19	46	20	1,181	8
	3,492	**2,574**	**13,299**	**23,410**	**2,869**	**2,800**	**5,788**	**5,219**	**71,597**	**1,296**

Table 2.8: Outpatient Cases in all Hospitals by Sex and Age, Bhutan, 2018

Name of Diseases	Under 1 Yr		1 – 4 Yrs	
	Male	Female	Male	Female
Infections				
Diarrhoea	820	854	2449	2079
Dysentery	74	58	126	119
TuberculosisB	0	0	0	1
Other Sepsis (includes Septicaemia)	3	6	3	5
Congenital Syphilis	0	0	0	0
Genital Ulcer	1	0	2	2
Syphilis	0	0	0	1
Urethral/Vaginal Discharges	0	0	1	3
Other Sexually Transmitted Disease (excludes HIV/ AIDS)	0	0	1	3
RickettsialDiseaseB	0	0	5	3
Viral, Protozoal & Helminthic disease				
Chicken Pox	9	9	80	73
Acute Hepatitis A	1	0	2	1
Acute Hepatitis B	0	0	0	0
Other Acute Hepatitis (includes Hepatitis C&E)	1	0	0	0
Plasmoidum Falciparum Malaria	0	0	1	0
Plasmodium Vivax Malaria	0	0	0	0
Other Malaria	0	0	0	0
Visceral Leishmaniasis (Kala-azar)	0	0	0	0
Intestinal Worms	5	5	84	90
Scabies	31	44	202	207
Streptococcus GroupAB	2	5	8	12
Other Infections (excludes ear, brain, STI)	108	112	320	302
Neoplasm				
Oesophagus Cancer	0	0	0	0
Stomach/ Gastric Cancer	0	0	0	0
Colon Cancer	0	0	0	0
Rectal Cancer	0	0	0	0
Hepato-Biliary Cancer	0	0	0	0
Pancreatic Cancer	0	0	0	0
Breast Cancer	0	0	0	0

(Numbers)

	5 – 14 Yrs		15 – 49 Yrs		50 - 64 Years		65 + Yrs		Total
	Male	Female	Male	Female	Male	Female	Male	Female	
	2676	2245	3683	3517	450	478	560	528	20339
	235	172	521	439	80	73	83	53	2033
	2	7	53	84	8	7	11	10	183
	2	2	16	11	2	0	1	0	51
	0	0	0	0	0	0	0	0	0
	5	5	69	51	7	9	8	6	165
	7	11	41	78	4	4	4	2	152
	6	47	800	1397	85	162	21	39	2561
	23	15	287	224	9	14	6	9	591
	18	17	107	119	27	16	12	25	349
	427	363	189	189	13	10	3	4	1369
	5	2	15	11	0	0	1	0	38
	0	0	75	100	20	9	18	13	235
	2	5	7	11	2	1	1	0	30
	1	0	0	1	2	1	1	0	7
	0	0	2	1	0	0	0	0	3
	1	0	1	0	1	0	0	0	3
	0	1	3	3	0	1	1	0	9
	226	186	226	299	35	30	14	14	1214
	998	654	1162	993	132	102	114	71	4710
	28	22	71	43	4	4	6	5	210
	705	637	2135	2379	390	318	296	255	7957
	0	0	0	0	0	0	1	0	1
	0	0	0	0	0	0	0	1	1
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	5	0	7	0	1	13

cont...

Table 2.8 cont...

Name of Diseases	Under 1 Yr		1 – 4 Yrs	
	Male	Female	Male	Female
Cervical Cancer	0	0	0	0
Other Cancers	1	0	2	5
Blood diseases				
Neoplasm (benign + CIS)	1	0	0	2
Nutritional Anaemia	11	10	75	74
Blood & Immune Disorders	0	0	2	2
Endocrine, Metabolic & Nutritional				
DiabetesB	0	0	0	0
Malnutrition (excludes child clinic attendance)	0	0	4	4
Other Nutritional & Metabolic Disorders	12	11	50	48
Mental disorders				
Dementia	0	0	0	0
Mental and Behavioral Disorders due to Alcohol	0	0	0	0
Mental and Behavioral Disorders due to Multiple Drug use & other use of Psychoactive substances	0	0	0	0
Psychosis	0	0	0	0
Depression	0	0	0	0
Anxiety	0	0	0	1
Other Mental Disorders	0	0	2	1
Disease of Nervous system				
Meningitis/Encephalitis	1	0	0	0
EpilepsyB	3	6	24	16
Other Nervous Disorders (includes Peripheral disorders)	50	47	182	136
Eye & Ear Diseases				
Conjunctivitis	221	227	363	381
CataractB	1	4	6	3
Disorders of Refraction & Accommodation (Refractive Error in the Eye)	9	8	8	19
Other Eye Disorders	287	346	561	552
Otitis Media	113	115	283	292
Other Ear Disorders	217	218	416	482
Diseases of Circulatory System				
Rheumatic Heart DiseaseB	0	1	3	6
Hypertension	0	0	0	0

	5 – 14 Yrs		15 – 49 Yrs		50 - 64 Years		65 + Yrs		Total
	Male	Female	Male	Female	Male	Female	Male	Female	
	0	0	0	43	0	34	0	29	106
	10	6	37	95	6	23	12	17	214
	4	3	17	47	3	5	8	9	99
	195	335	923	3174	182	334	260	336	5909
	26	19	108	193	69	72	43	63	597
	1	3	719	974	774	755	803	772	4801
	4	5	11	15	2	2	1	0	48
	105	192	423	711	182	112	81	88	2015
	0	0	9	1	2	0	0	0	12
	0	0	103	71	23	16	12	11	236
	1	5	60	30	6	4	3	2	111
	1	0	71	51	8	10	7	8	156
	2	4	136	220	28	36	15	14	455
	11	14	277	484	52	79	44	41	1003
	9	15	225	499	48	73	25	24	921
	0	0	11	4	0	0	1	0	17
	46	43	259	284	39	42	42	34	838
	850	1050	4384	8949	743	1107	778	847	19123
	1355	1214	2870	3170	447	443	436	400	11527
	35	31	97	86	54	53	119	126	615
	320	378	894	1539	247	263	256	243	4184
	1983	2078	5743	6866	1125	1239	1512	1525	23817
	880	763	1527	1656	219	198	183	156	6385
	1416	1253	2905	2998	472	487	680	506	12050
	6	3	253	329	141	164	213	242	1361
	21	20	2814	4325	2075	2315	2787	2875	17232

cont...

Table 2.8 cont...

Name of Diseases	Under 1 Yr		1 – 4 Yrs	
	Male	Female	Male	Female
Ischaemic Heart DiseasesB	0	0	0	0
Cerebro-vascular DiseasesB	2	0	0	0
Bubo	0	0	0	0
Other Circulatory Diseases	19	27	48	59
Respiratory Diseases				
Common Cold	4019	4021	9513	8956
Acute Pharyngitis/ Tonsillitis	281	365	2433	1313
Pneumonia	216	200	375	319
Asthma	2	3	4	7
Other Respiratory & Nose Diseases	865	1019	1607	1513
Diseases of the Digestive system				
Diseases of Teeth & Gums	53	40	613	662
Dental Caries	0	0	870	1009
Peptic Ulcer Syndrome	22	32	115	127
Acute AppendicitisB	0	0	0	0
Alcoholic Liver Disease	0	0	0	0
Gall Bladder DiseasesB	0	0	0	0
Other Diseases of the Digestive System	418	496	1604	1508
Diseases of the Skin and Subcutaneous Tissue				
Skin Infections	658	699	2093	1992
Other Disorders of Skin and Subcutaneous Tissue	928	1106	2467	2256
Diseases of Musculo-skeletal system & Cogenital Deformities				
Arthritis & Arthrosis	1	4	16	19
Other Musculo-Skeletal Disorders	33	32	238	260
Diseases of Genito-Urinary diseases				
CystitisB	3	2	20	18
Infections of the Breast (includes Puerperium)	0	0	0	0
Other diseases of the Breast	0	0	0	1
Pelvic Inflammatory DiseaseB	0	0	0	0
Menstrual Disturbances	0	0	0	0
Other Kidney, UT/Genital Disorders	18	20	174	263
Pregnancy, Childbirth and Puerperium				
Abortions	0	0	0	0
Pregnancy Induced Hypertension	0	0	0	0

	5 – 14 Yrs		15 – 49 Yrs		50 - 64 Years		65 + Yrs		Total
	Male	Female	Male	Female	Male	Female	Male	Female	
	1	1	69	75	41	67	83	68	405
	4	1	15	28	18	16	26	27	137
	0	0	8	3	3	3	2	2	21
	146	138	705	985	210	207	254	301	3099
	14120	15174	22293	24585	3351	3040	2910	2707	114689
	4122	4262	8218	9781	1233	1037	945	793	34783
	194	166	187	188	35	47	85	96	2108
	29	24	129	201	76	74	212	190	951
	2980	2988	7075	8376	1297	1227	1334	1305	31586
	3377	3659	5558	6711	1031	982	1035	929	24650
	5053	5408	8302	10705	1443	1382	1364	1195	36731
	891	1086	8471	10695	1866	1892	1624	1614	28435
	4	4	42	44	10	5	7	5	121
	1	2	448	328	178	93	95	75	1220
	1	0	46	65	22	24	13	29	200
	3611	3996	11652	15428	2121	2113	2104	2239	47290
	4983	4306	9976	8827	1354	1135	1167	916	38106
	5126	4981	13307	13771	1883	1632	1687	1590	50734
	137	153	1239	1186	468	380	459	396	4458
	1998	1735	16430	16786	3517	3401	4313	3253	51996
	44	76	326	1191	50	96	49	84	1959
	0	1	0	164	0	5	0	6	176
	0	1	20	547	10	6	1	5	591
	0	10	0	1091	0	104	0	56	1261
	0	65	0	2331	0	149	0	15	2560
	484	700	3208	10574	653	1034	485	655	18268
	0	1	0	238	0	0	0	0	239
	0	0	0	212	0	0	0	0	212

cont...

Table 2.8 cont...

Name of Diseases	Under 1 Yr		1 – 4 Yrs	
	Male	Female	Male	Female
Ante-Partum Haemorrhage & Placenta Previa	0	0	0	0
Malpresentation	0	0	0	0
Prolonged Labour	0	0	0	0
Obstructed Labour	0	0	0	0
Post-Partum Heamorrhage	0	0	0	0
Retained Placenta	0	0	0	0
Puerperal Sepsis	0	0	0	0
Other Complications of Pregnancy	0	0	0	0
Certain Conditions Originating in the Perinatal Period				
Low Birth Weight	0	1	0	0
Foetal Death & Stillbirth	0	0	0	0
Neonatal Death	0	0	0	0
Conditions Originating in the Perinatal period	121	128	0	0
Congenital Malformations, Deformations and Chromosomal abnormalities				
Oro-facial Clefts	1	1	0	0
Gastrointestinal Tract defects	0	0	0	0
Talipes Equinovarus	1	0	0	0
Omphalocele	0	0	0	0
Other Malformations	0	0	0	0
Injury, Poisoning and certain other consequences of External Causes				
Mushroom Poisoning (Toxic effect of other unspecified substances)	0	0	2	4
Transport Accidents	1	1	8	12
Accidental Falls	8	10	116	91
Other Bites and Sting (excludes dog bite)	2	6	64	65
Dog Bites	4	4	153	99
Accidental Drowning & Submersion	0	0	1	1
Exposure to Electric Current	0	1	3	0
Contact with Heat & Hot substances and exposure to Smoke, Fire & Flames	5	9	67	54
Snake Bite	0	0	0	1
Contact with Venomous Animals and Plants (excludes snake bite)	0	0	2	0
Accidental Poisoning by and Exposure to Noxious substances	2	0	6	2

	5 – 14 Yrs		15 – 49 Yrs		50 - 64 Years		65 + Yrs		Total
	Male	Female	Male	Female	Male	Female	Male	Female	
	0	0	0	452	0	0	0	0	452
	0	0	0	8	0	0	0	0	8
	0	0	0	2	0	0	0	0	2
	0	0	0	0	0	0	0	0	0
	0	0	0	5	0	0	0	0	5
	0	0	0	0	0	0	0	0	0
	0	0	0	5	0	0	0	0	5
	0	2	0	917	0	0	0	0	919
	0	0	0	0	0	0	0	0	1
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	249
	0	0	0	0	0	0	0	0	2
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	1
	0	0	0	0	0	0	0	0	0
	0	0	2	0	1	0	2	0	5
	2	2	13	15	0	1	1	0	40
	33	28	486	250	64	32	25	18	958
	388	194	841	502	127	84	90	85	2536
	169	121	312	356	57	55	32	37	1276
	469	312	802	577	147	82	107	70	2826
	4	5	13	11	3	1	6	1	46
	1	2	11	8	0	1	0	0	27
	64	55	140	156	11	10	18	15	604
	2	2	19	14	1	0	0	0	39
	2	1	20	4	2	3	0	0	34
	5	1	4	5	0	1	0	0	26

cont...

Table 2.8 cont...

Name of Diseases	Under 1 Yr		1 – 4 Yrs		
	Male	Female	Male	Female	
Intentional Self-harm by Poisoning	0	0	0	1	
Intentional Self-harm by Drowning & Submersion	0	0	0	0	
Assault by Poisoning (includes homicidal poisoning)	0	0	0	0	
Assault by Drowning and Submersion	0	0	0	0	
Other Intentional Self-harm	0	0	0	1	
Work Related Injuries	3	1	95	66	
Other Conditions					
Others (injuries other than above & unknown cause of injury)	16	19	284	253	
Complications of Health Care	0	0	7	9	
ANC, Immunization & Other Counselling	797	975	1226	1120	
Total	**10,481**	**11,308**	**29,489**	**26,986**	

Source: Annual Health Bulletin 2019, MoH, Thimphu.

	5 – 14 Yrs		15 – 49 Yrs		50 - 64 Years		65 + Yrs		Total
	Male	Female	Male	Female	Male	Female	Male	Female	
	0	0	6	14	0	2	0	0	23
	0	0	0	2	0	0	0	0	2
	0	0	2	2	3	1	1	0	9
	0	0	3	12	0	0	0	0	15
	4	3	18	33	4	1	0	3	67
	720	423	4196	1855	520	262	307	179	8627
	1134	695	3378	2125	442	292	336	195	9169
	34	28	88	87	16	7	7	6	289
	573	639	17206	5460	387	357	226	234	29200
	63,558	**63,276**	**179,623**	**204,762**	**30,873**	**30,455**	**30,895**	**28,798**	**710,504**

Table 2.9: Number of Patient Admissions & Average Length of Stay in Dzongkhag Hospitals, Bhutan, (2017-2018)

Dzongkhag	2017						
	Total Admissions	Discharged	Deaths	Absconded	Patient Days	Average length of stay	
Bumthang	688	505	8	2	2,137	4.1	
Chhukha	4,910	4,241	53	13	20,288	4.7	
Dagana	1,427	1,282	17	7	4,540	3.5	
Gasa	58	42	1	0	71	1.7	
Haa	306	263	3	3	1,166	4.3	
Lhuentse	758	620	12	2	2,792	4.4	
Monggar	4,611	4,485	118	6	26,542	5.8	
Paro	2,427	1,892	29	12	6,790	3.5	
Pema Gatshel	2,013	1,600	425	5	5,090	2.5	
Punakha	1,959	1,663	18	8	6,025	3.6	
Samdrup Jongkhar	2,850	2,540	34	4	9,298	3.6	
Samtse	3,170	2,879	52	9	12,764	4.3	
Sarpang	3,911	3,511	87	9	14,378	4.0	
Thimphu	19,056	17,515	691	31	116,992	6.4	
Trashigang	3,571	3,210	58	18	15,024	4.6	
Trashi Yangtse	720	700	12	1	2,883	4.0	
Trongsa	784	637	15	6	2,108	3.2	
Tsirang	1,325	1,162	378	5	5,124	3.3	
Wangdue Phodrang	2,663	2,291	48	4	8,215	3.5	
Zhemgang	1,420	1,331	14	6	5,101	3.8	
Bhutan	**58,627**	**52,369**	**2,073**	**151**	**267,327**	**4.9**	

Source: Annual Health Bulletin 2019, MoH, Thimphu.

	2018					
	Total Admissions	Discharged	Deaths	Absconded	Patient Days	Average length of stay
	852	684	11	4	3,160	4.5
	4,431	3,904	81	1	16,256	4.1
	1,198	1,089	6	5	3,639	3.3
	9	8	0	0	23	2.9
	346	262	6	0	1,209	4.5
	933	808	11	3	3,631	4.4
	5,232	5,101	95	6	26,763	5.1
	2,365	1,862	19	16	8,194	4.3
	1,968	1,736	30	2	6,606	3.7
	2,316	1,953	32	10	6,816	3.4
	2,194	1,727	27	2	7,596	4.3
	3,386	3,009	60	9	12,821	4.2
	4,067	3,584	84	19	15,471	4.2
	19,013	17,318	771	28	121,087	6.7
	3,222	2,680	50	2	11,459	4.2
	593	535	8	1	2,527	4.6
	803	605	14	0	2,437	3.9
	1,183	1,066	21	8	4,211	3.8
	2,206	1,715	38	8	7,392	4.2
	1,060	857	13	3	2,928	3.4
	57,377	**50,503**	**1,377**	**127**	**264,226**	**5.1**

Table 2.10: Immunization Status by Dzongkhag, Bhutan, 2018

(Numbers)

Dzongkhag	Antigen				
	BCG	Measles	OPV 0	OPV3	DPT-Hep B 3
Bumthang	158	284	128	296	295
Chhukha	1,048	1,214	1,053	1,117	1,124
Dagana	219	331	210	363	355
Gasa	8	40	9	41	41
Haa	86	194	81	195	197
Lhuentse	126	246	172	265	264
Monggar	1,141	579	1,115	660	659
Paro	303	687	294	701	701
Pema Gatshel	195	364	178	334	334
Punakha	225	381	222	414	414
Samdrup Jongkhar	370	514	338	547	548
Samtse	652	882	603	838	838
Sarpang	906	666	891	690	686
Thimphu	5,222	2,284	5,075	2,504	2,513
Trashigang	497	577	470	584	584
Trashi Yangtse	205	291	204	313	313
Trongsa	94	237	83	277	277
Tsirang	185	290	175	295	295
Wangdue Phodrang	321	651	323	670	667
Zhemgang	133	251	141	267	267
Bhutan	12,094	10,963	11,765	11,371	11,372

Source: Annual Health Bulletin 2019, MoH, Thimphu.

Table 2.11: Number of Malaria Cases by Type and Deaths, Bhutan, (2014-2018)

(Numbers)

Details	2014	2015	2016	2017	2018
Plasmodium vivax	28	21	16	11	36
Plasmodium falciparum	15	13	1	0	17
Mixed infections	0	0	1	0	1
Deaths due to malaria	0	0	0	1	1

Source: Annual Health Bulletin 2019, MoH, Thimphu.

Table 2.12: Details of Maternal & Child Health Care Activities, Bhutan, (2014-2018)

(Numbers)

Type of care	2014	2015	2016	2017	2018
Antenatal care attendence	74,613	73,881	27,833	26,159	30,124
1st visit	12,844	11,994	11,680	11,816	5,872
2nd visit	12,228	11,404	...	...	5,232
3rd visit	11,999	11,306	...	...	1,083
4th visit	10,701	10,718	9,297	9,145	10,201
8th visit	26,841	28,459	6,856	5,198	7,736
Deliveries attended by trained health personnel	10,873	11,430	10,948	11,134	11,658
Home	582	528	230	154	225
Facility	10,291	10,902	10,718	10,980	11,433
Post-Natal care attendance	26,166	22,654	28,305	28,638	32,930
1st visit	9,440	8,626	4,144	4,076	4,814
2+ visit	16,726	14,028	8,595	8,850	10,008
3rd visit	...	...	8,118	8,234	9,225
4th visit	...	...	7,448	7,478	8,883

Source: Annual Health Bulletin 2019, MoH, Thimphu.

Table 2.13: Family Planning Methods by Type, Bhutan, (2014-2018)

(Numbers)

Method	2014	2015	2016	2017	2018
Intra Uterine Device (IUD) inserted [1]	1,530	1,506	1,609	1,777	2,362
Oral Pills (OCP) [2]	72,543	76,799	83,637	69,572	62,299
Injection DMPA [3]	79,290	86,322	85,195	84,626	84,832
Male Sterilisation (Vasectomy)	8,773	8,122	6,199	5,653	5,763
Female Sterilisation (Tubectomy)	4,855	5,381	5,149	5,377	5,500
Condoms [4]	1,703,299	1,275,567	1,094,290	873,398	983,901

Note: [1] IUD = No. Inserted.
[2] Pills = No. of cycles.
[3] DMPA = No. of Injections.
[4] Condoms = No. of pieces distributed.

Source: Annual Health Bulletin 2019, MoH, Thimphu.

Table 2.14: Number of Users of Family Planning Methods by Type, by Dzongkhag, Bhutan, 2018

Dzongkhag	Family planning methods					
	New IUD Inserted	Oral pills [2] (No. of Cycles issued)	DMPA [3] (No. Injected)	Vasectomy [1]	Tubectomy [1]	No. of Condom issued (In pieces)
Bumthang	26	1,607	2,241	27	91	31,011
Chhukha	205	7,662	8,199	499	424	61,286
Dagana	20	4,321	3,323	303	187	20,002
Gasa	0	339	516	62	44	6,800
Haa	0	1,690	1,636	115	123	13,338
Lhuentse	105	1,186	1,386	157	121	29,873
Monggar	543	2,611	6,389	248	417	92,644
Paro	62	2,256	5,509	343	918	58,464
Pema Gatshel	31	2,084	3,061	222	116	36,945
Punakha	79	2,558	3,015	230	331	38,773
Samdrup Jongkhar	19	1,805	5,083	264	317	37,957
Samtse	207	9,345	8,608	1,453	552	76,943
Sarpang	42	5,502	6,053	384	449	67,758
Thimphu	366	6,025	9,278	89	231	137,687
Trashi Yangtse	43	1,270	2,276	105	135	24,350
Trashigang	329	2,975	5,769	309	300	71,897
Trongsa	129	1,019	1,965	112	106	42,076
Tsirang	13	3,349	3,686	274	247	40,594
Wangdue Phodrang	70	2,940	4,035	465	243	62,672
Zhemgang	73	1,755	2,804	102	148	32,831
Bhutan	2,362	62,299	84,832	5,763	5,500	983,901

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 2019, MoH, Thimphu.

Table 2.15: Types of Water and Sanitation Facility by Dzongkhag, Bhutan, 2018

Dzongkhag	Percentage Coverage					
	Latrine	Household with Functional Piped water	Drainage	Household with Animal Shed	Household with Vegetable Garden	Household with Garbage Pit
Bumthang	99.4	98.9	84.6	100.0	100.0	82.3
Chhukha	95.8	88.4	72.5	95.7	69.7	35.2
Dagana	95.4	81.2	76.6	88.5	95.2	4.5
Gasa	97.5	81.6	55.4	98.7	72.5	3.1
Haa	100.0	94.7	95.6	97.0	100.0	29.4
Lhuentse	96.6	86.2	89.8	90.8	80.9	13.3
Monggar	99.0	86.1	81.0	99.3	82.2	24.7
Paro	88.3	38.2	70.8	83.7	55.2	53.0
Pema Gatshel	96.7	80.7	43.8	95.2	78.9	24.3
Punakha	99.9	91.2	85.6	95.6	68.8	27.9
Samdrup Jongkhar	99.4	91.6	78.3	86.7	100.0	8.7
Samtse	92.2	72.1	62.8	98.4	77.7	25.2
Sarpang	100.0	58.7	85.7	88.5	98.5	15.2
Thimphu	88.1	51.4	80.5	92.0	49.2	70.8
Trashi Yangtse	95.8	92.3	63.3	94.4	86.7	22.2
Trashigang	95.9	93.8	55.5	90.8	79.7	30.4
Trongsa	100.0	90.5	70.1	90.9	57.9	38.5
Tsirang	95.7	72.5	60.4	89.0	85.7	72.1
Wangdue Phodrang	91.3	83.4	82.3	93.9	49.4	40.6
Zhemgang	99.6	74.1	78.3	93.5	79.3	37.2
Bhutan	**95.4**	**77.9**	**71.7**	**88.7**	**73.0**	**32.7**

Source: Annual Health Bulletin 2019, MoH, Thimphu.

Table 2.16: Nutritional and Vitamin 'A' Status of Children Attending Clinics by Dzongkhag, Bhutan, 2018

Dzongkhag	Child Attendances						
	No. of children 6 months old		Children exclusively breastfed for 6 months	No. of children 0-11 months old		No. of children 12-59 months old	
	New	Old		New	Old	New	Old
Bumthang	45	428	1,273	147	2,564	16	4,004
Chhukha	600	1,439	3,284	787	7,220	958	11,542
Dagana	71	392	460	148	3,135	7	4,874
Gasa	18	37	54	16	310	5	593
Haa	123	760	947	108	942	115	2,054
Lhuentse	80	211	296	180	2,078	127	3,407
Monggar	1,071	1,319	1,418	499	4,747	89	9,050
Paro	172	464	549	311	7,617	2	8,921
Pema Gatshel	95	360	664	180	3,177	94	5,545
Punakha	291	1,155	809	14	3,659	0	4,606
Samdrup Jongkhar	144	894	1,008	240	5,068	123	9,945
Samtse	531	1,279	2,226	1,017	7,747	27	13,994
Sarpang	202	742	614	893	6,116	117	8,956
Thimphu	1,328	2,139	3,354	5,290	21,984	46	25,169
Trashi Yangtse	13	317	864	164	2,723	3	4,081
Trashigang	3	719	1,270	626	5,230	157	8,603
Trongsa	104	314	491	58	2,163	8	3,090
Tsirang	42	372	586	136	2,937	188	5,063
Wangdue Phodrang	200	1,861	1,479	179	4,041	33	6,770
Zhemgang	117	356	464	172	1,933	87	3,526
Bhutan	**5,250**	**15,558**	**22,110**	**11,165**	**95,391**	**2,202**	**143,793**

Source: Annual Health Bulletin 2019, MoH, Thimphu.

	Children normal (lt/ht for age)	Children normal (wt for age)	Vit A Supplementation/Deworming			
			Children 6-11 months given Vitamin A	Children 12-59 months given Vitamin A	Post-partum mothers Vita-min A	Children 12-59 months given Deworming
	7,008	6,897	339	1,927	135	1,750
	15,681	18,429	2,265	6,010	1,071	6,079
	7,886	8,267	491	2,098	169	1,822
	914	920	47	276	14	246
	3,937	3,936	124	1,091	33	1,073
	5,495	5,825	311	1,188	99	1,086
	15,033	15,742	663	3,579	364	3,305
	15,500	16,480	665	4,574	290	4,073
	8,848	8,852	401	2,593	224	2,258
	9,206	9,434	758	1,797	163	1,532
	14,214	15,100	666	3,517	331	3,218
	19,375	22,495	1,057	6,383	579	5,893
	13,740	15,515	730	3,743	817	3,465
	39,419	52,344	2,639	11,955	5,208	10,639
	7,382	6,989	331	1,828	189	1,719
	14,175	14,053	665	3,481	346	3,386
	5,417	5,629	237	1,300	60	1,210
	7,528	8,076	365	2,294	141	2,154
	12,042	12,613	1,044	3,509	361	3,058
	5,377	5,842	278	1,489	107	1,353
	228,177	**253,438**	**14,076**	**64,632**	**10,701**	**59,319**

Table 2.17: Number of Tuberculosis Cases by Type and Sex, Bhutan, 2018

Hospital	PBC										
	New		Relapse		Previously treated		Unknown treatment history		New		
	M	F	M	F	M	F	M	F	M	F	M
Samtse	8	15	0	1	0	0	0	0	0	0	0
MRRH	12	13	0	0	0	0	0	0	3	3	0
Sibsoo	2	1	0	0	0	0	0	0	1	0	0
Trongsa	5	2	0	1	0	0	0	0	4	1	0
Lhuntse	1	2	0	0	0	1	0	0	1	0	0
Deothang	1	1	0	0	0	0	0	0	0	0	0
Riserboo	0	1	0	0	0	0	0	0	1	1	0
Paro	11	12	2	0	0	0	0	0	5	0	0
Panbang	1	0	0	0	0	0	0	0	0	0	0
JDWNRH	61	64	6	2	2	3	0	0	20	11	1
P/ling	12	18	4	2	1	2	0	0	3	3	0
Tsimalakha	1	2	0	0	0	0	0	0	0	0	0
Sarpang	4	2	0	0	0	0	0	0	1	1	0
Dagapela	5	1	1	0	0	0	0	0	0	0	0
Nganglam	3	5	0	0	0	0	0	0	0	0	0
Trashigang	5	6	0	0	1	0	0	0	1	0	0
S/jongkhar	14	6	0	1	1	1	0	0	5	4	0
Bali	0	1	0	0	0	0	0	0	0	0	0
Lungtenphu	4	4	1	0	0	0	1	0	0	2	0
Bumthang	3	3	0	0	0	0	0	0	2	0	0
Gomtu	4	3	0	0	0	0	0	0	0	0	0
Damphu	1	1	0	0	1	0	0	0	1	1	0
Bajo	5	10	2	1	0	0	0	0	4	3	0
Trashiyangtse	1	2	0	0	0	0	0	0	1	0	0
Gidakom	2	0	0	0	0	0	0	0	0	0	0
Punakha	3	2	0	0	0	1	0	0	0	0	0
Lhamoizingkha	0	0	0	0	0	0	0	0	0	0	0
Yebilaptsa	1	1	0	0	0	0	0	0	0	0	0
Pemagatshel	2	1	0	0	0	0	0	0	0	1	0
Gedu	3	1	0	0	0	0	0	0	0	3	0
Gelephu	22	19	3	5	0	2	0	0	6	3	0
Gasa	0	0	0	0	0	0	0	0	0	0	0
Total	**197**	**199**	**19**	**13**	**6**	**10**	**1**	**0**	**59**	**37**	**1**

Source: Annual Health Bulletin 2019, MoH, Thimphu.

PCD						EPBC and CD								Total
Relapse		Previously treated		Unknown treatment history		New		Relapse		Previously treated		Unknown treatment history		
	F	M	F	M	F	M	F	M	F	M	F	M	F	
	0	0	0	0	0	7	6	0	2	0	0	0	11	50
	0	0	1	0	0	6	4	0	1	0	1	0	1	45
	0	0	0	0	0	0	1	1	0	0	0	0	0	6
	0	0	0	0	0	2	1	0	0	0	0	0	0	16
	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	0	0	0	0	0	0	1	0	0	0	0	0	0	3
	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	0	0	0	0	0	8	9	1	0	0	0	0	0	48
	0	0	0	0	0	1	0	0	0	0	0	0	0	2
	1	0	0	0	0	57	82	9	8	0	0	0	0	327
	0	0	0	0	0	9	10	0	0	0	0	0	0	64
	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	0	0	0	0	0	3	1	0	0	0	0	0	0	12
	0	0	0	0	0	1	1	0	1	0	0	0	0	10
	0	0	0	0	0	4	3	0	1	0	0	0	0	16
	0	0	0	1	0	1	3	0	0	0	0	0	0	18
	0	0	1	0	0	5	8	0	1	1	0	0	0	48
	0	0	0	0	0	1	4	0	1	0	0	0	0	7
	0	0	0	0	0	9	10	0	0	0	0	1	0	32
	0	0	0	0	0	0	1	0	1	0	0	0	0	10
	0	0	0	0	0	0	0	0	0	0	0	0	0	7
	0	0	0	0	0	1	1	0	0	0	0	0	0	7
	0	0	0	0	0	13	9	0	0	0	0	0	0	47
	0	0	0	0	0	2	2	0	0	0	0	0	0	8
	0	0	0	0	0	1	1	0	0	0	0	0	0	4
	0	0	0	0	0	3	5	0	0	0	0	0	0	14
	0	0	0	0	0	0	1	0	0	0	0	0	0	1
	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	0	0	0	0	0	0	2	0	0	0	0	0	0	6
	0	0	0	0	0	1	0	0	0	0	0	0	0	8
	0	0	0	0	0	16	13	0	0	0	0	0	0	89
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	**0**	**2**	**1**	**0**	**151**	**179**	**11**	**16**	**1**	**1**	**1**	**12**	**918**

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 [1].

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.

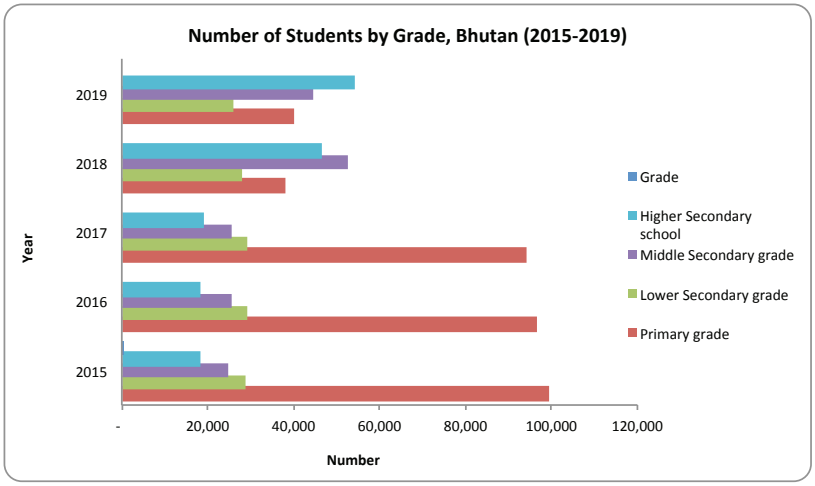

Table 3.1: Key Education Indicators by Year, (2015-2019)

(Percent)

Indicators	2015	2016	2017	2018	2019
Gross Enrolment Ratio (ECCD)	17.0	18.6	21.8	23.4	25.3
Apparent Intake Rate (AIR)	89.0	91.4	92.2	102.7	98.7
Net Intake Rate (NIR)	62.0	63.1	62.7	63.4	56.4
Net Enrolment Rate (NER) Primary	95.2	94.7	94.8	92.9	91.2
Adjusted NER (ANER) Primary	98.8	98.6	98.8	96.8	96.5
Net Enrolment Rate (NER) Basic	97.0	96.2	95.7	91.3	89.8
Net Enrolment Rate (NER) Secondary (Class VII-X)	82.0	...	70.1	67.3	69.0
Gross Enrolment Ratio (GER) Primary	112.0	111.1	109.9	105.6	101.8
Gross Enrolment Ratio (GER) Basic	110.0	109.9	108.8	103.0	100.3
Gross Enrolment Ratio (GER) Secondary (Class VII-X)	105.0	107.9	106.9	99.0	98.0
Gross Enrolment Ratio (GER) Higher Secondary	79.0	70.3	76.2	69.9	16.8
Gross Enrolment Ratio (GER) Tertiary within Bhutan	26.4	27.8	27.5	27.5	16.8
Gross Enrolment Ratio (GER) Tertiary within Bhutan and outside Bhutan	36.6	37.3	35.8	41.6	24.9
Repetition Rate (Primary)	6.7	5.7	4.5	7.1	7.9
Dropout Rate (Primary)	2.1	1.5	1.3	2.3	1.5
Primary Completion Rate	111.0	121.1	107.3	99.7	87.5
Survival rate to grade VI	83.0	89.5	90.8	84.6	83.2
Survival rate to grade X	72.0	76.5	78.1	74.9	79.9
Transition rate (Primary to Lower secondary)	92.4	94.6	97.1	95.4	93.8
Transition rate (Lower Secondary to Middle Secondary)	87.7	91.4	93.0	90.1	87.1
Transition rate (Middle Secondary to higher Secondary)	71.4	72.3	73.6	72.2	89.7

Source: Annual Education Statistics 2019, MoE

Table 3.2: Number of Schools, Institutes & Centres, Bhutan, 2019

School/Institutes/Centres	Government	Private	Total
ECCD Centre[1]	319	60	379
Schools			
Primary School	302	15	317
Lower Secondary School	63	1	64
Middle Secondary School	72	1	73
Higher Secondary School	52	21	73
Extended Classroom	74	0	74
Central Schools[2]	64	0	64
Autonomous Schools	55	...	55
Schools with SEN Programme & Special Institutes[3]	23	0	23
Institutes			
Tertiary Institutes within Bhutan	15	3	18
Technical Training Institutes	6	1	7
Institute of Zorig Chusum	2	0	2
Other Forms of Education			
Monastic Education (Lobdra, Shedra, etc)[4]	213	...	213
Continuing Education Centres	0	3	3
Non-Formal Centres	482	0	482

Note: [1] Private ECCD includes ECCD under NGO, Private & Work place.
[2] Central Schools already counted under School Education.
[3] Includes Muenselling and Wangsel Institutes, 12 general schools, and two Draktsho centers.
[4] Data on private monastic schools not available.

Source: Annual Education Statistics 2019, MoE.

Table 3.3: Number of Students, Learners, Trainees and Novitiates, Bhutan, 2019

Details	Government			Private			Total		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
Early Childhood Care & Development									
ECCD Centres	3,631	3,556	7,187	810	746	1,556	4,441	4,302	8,743
School Education									
Primary Schools	19,108	18,902	38,010	1,056	1,016	2,072	20,164	19,918	40,082
Lower Secondary Schools	12,961	12,999	25,960	72	57	129	13,033	13,056	26,089
Middle Secondary Schools	21,526	22,449	43,975	273	267	540	21,799	22,716	44,515
Higher Secondary Schools	21,335	22,888	44,223	4,868	5,304	10,172	26,203	28,192	54,395
Extended Classroom	777	795	1,572	0	0	0	777	795	1,572
Continuing Education	0	0	0	158	188	346	158	188	346
Central Schools[1]	21,944	23,401	45,345	0	0	0	21,944	23,401	45,345
Special Institutes and SEN Schools	563	367	930	0	0	0	563	367	930
Tertiary Education									
Tertiary Students within Bhutan	5,738	4,866	10,604	496	681	1,177	6,234	5,547	11,781
Tertiary Students abroad	829	606	1,435	2,323	1,928	4,251	3,152	2,534	5,686
Technical &Vocational Education and Training	793	405	1,198	0	0	0	793	405	1,198
Institute of Zorig Chusum	351	141	492	0	0	0	351	141	492
Other Forms of Education									
Monastic Education (Lobdra, Shredra,etc)[2]	4,695	296	4,991	0	0	0	4,695	296	4,991
Non-Formal Education Centres	1,521	4,018	5,539	0	0	0	1,521	4,018	5,539
Sanskrit Patshala	...	...	...	5	...	5	5	...	5

Note: [1] *Central School students already included under general schools.*

[2] *All special needs children enrolled in Muenselling and Wangsel Institutes, 12 general schools, and two Draktsho centers.*

Source: Annual Education Statistics 2019, MoE.

Table 3.4: Summary of Teachers, Lecturers, Instructors, Trainers and Facilitators, Bhutan, 2019

(Numbers)

Details	Government			Private			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
ECCD Centres	46	536	582	7	231	238	53	767	820
School Education									
Primary Schools	1,404	892	2,296	61	124	185	1,465	1,016	2,481
Lower Secondary Schools	719	613	1,332	7	8	15	726	621	1,347
Middle Secondary Schools	1,342	1,092	2,434	20	25	45	1,362	1,117	2,479
Higher Secondary Schools	1,422	907	2,329	326	190	516	1,748	1,097	2,845
Extended Classroom	98	29	127	0	0	0	98	29	127
Schools with SEN & Special Institutes	461	190	651	64	38	102	525	228	753
Tertiary Institutes within Bhutan	70	35	105	0	0	0	70	35	105
Technical Training Institutes	31	7	38	0	0	0	31	7	38
Non-Formal Centres	146	374	520	0	0	0	146	374	520

Source: Annual Education Statistics 2019, MoE.

Table 3.5: Enrolment in Institutions and at Tertiary level, Bhutan (2015-2019)

(Numbers)

Institutions	2015	2016	2017	2018	2019
Royal University of Bhutan	9,455	9,173	9,822	9181	9,648
College of Natural Resources, Lobesa	599	521	660	667	991
College of Science and Technology, Rinchending	865	947	1,002	1060	938
College of Language and Culutural Studies, Takse	1,281	1,320	1,247	1262	1,158
Jigme Namgyel Engineering College, Dewathang	846	826	861	889	721
Paro College of Education, Paro	1,473	1,464	1,531	969	1,594
Samtse College of Education, Samtse	1,108	966	1,154	1159	741
Sherubtse College, Kanglung	1,834	1,782	1,843	1638	1,578
Gaeddu College of Business Studies, Chhukha	1,449	1,347	1,412	1426	1,619
Gyalposhing College of Information Technology	...	...	80	79	264
Yonphula Centenary College	...	...	32	32	44
Khesar Gyalpo University of Medical Sciences	...	420	...	2117	628
Faculty of Nursing and Public Health	...	337	...	429	469
Faculty of Traditional Medicine	...	83	...	89	91
Faculty of Postgraduate Medicine	...	...	...	30	36
Reldri Academy of Health Sciences	...	53	54	52	32
Private/Autonomous Institutes	...	1,588	92	1517	1,523
Royal Thimphu College (Pvt)	...	1,250	...	1188	983
Norbuling Rigter College	...	...	92	91	162
Royal Institute of Management	...	338	...	162	298
Royal Institute for Tourism and Hospitality	...	...	...	51	18
Jigme Singye Wangchuk School of Law	...	...	25	25	62
Vocational Institutes	2,209	1,487	1,307	1460	1,690
TTI-Chumey	163	163	177	195	241
TTI Khuruthang	353	218	226	209	240
TTI- Rangjung	214	200	174	180	183
TTI- Samthang	793	173	129	141	154
JWPTI- Dekiling, Sarpang	183	182	56	206	301
TTI-Thimphu	50	57	73	76	79
Zorig Chusum, Thimphu	285	319	308	245	295
Zorig Chusum, Trashiyangtse	168	175	164	208	197

Source: Annual Education Statistics 2019, MoE and RUB.

Table 3.6: Number of Schools by Type and Dzongkhag, Bhutan, 2019

Dzongkhag	Public				
	Higher Secondary Schools	Middle Secondary Schools	Lower Secondary Schools	Primary Schools	
Bumthang	1	3	1	12	
Chhukha	3	6	3	25	
Phuentsholing Thromde	1	2	1	0	
Dagana	3	3	3	12	
Gasa	1	1	0	2	
Haa	1	1	2	5	
Lhuentse	2	2	2	10	
Monggar	4	5	3	25	
Paro	4	4	4	7	
Pema Gatshel	2	3	3	13	
Punakha	2	4	3	10	
Samdrup Jongkhar	2	6	2	14	
Samdrup Jongkhar Thromde	0	1	0	2	
Samtse	4	3	6	19	
Sarpang	2	2	5	11	
Gelephu Thromde	1	1	1	0	
Thimphu	1	3	1	5	
Thimphu Thromde	4	6	3	6	
Trashigang	4	7	9	34	
Trashi Yangtse	2	2	6	19	
Trongsa	2	2	1	14	
Tsirang	2	1	1	11	
Wangdue Phodrang	2	2	1	23	
Zhemgang	2	2	2	23	
Total	**52**	**72**	**63**	**302**	

Source: Annual Education Statistics 2019, MoE.

	Private				
Extended Classrooms	Higher Secondary Schools	Middle Secondary Schools	Lower Secondary Schools	Primary Schools	Extended Classrooms
1	1	0	0	0	0
6	0	0	0	0	0
0	2	0	0	0	0
3	0	0	0	0	0
2	0	0	0	0	0
1	1	0	0	0	0
3	0	0	0	0	0
11	1	0	0	0	0
0	4	0	1	5	0
4	0	0	0	0	0
7	1	0	0	0	0
5	0	0	0	0	0
0	1	0	0	1	0
14	0	0	0	0	0
2	1	0	0	0	0
0	1	0	0	0	0
2	1	0	0	1	0
0	6	1	0	8	0
3	1	0	0	0	0
0	0	0	0	0	0
2	0	0	0	0	0
1	0	0	0	0	0
7	0	0	0	0	0
0	0	0	0	0	0
74	**21**	**1**	**1**	**15**	**0**

Table 3.7: Comparative Enrolment by Grade and Schools, (2018-2019)

Class	Private School				Extended Classroom				Primary School			
	2018	2019	+ or -	%	2018	2019	+ or -	%	2018	2019	+ or -	%
PP	1066	343	(723)	-67.8	535	434	(101)	-18.9	5,392	5,382	(10)	-0.2
I	722	776	54	7.5	464	449	(15)	-3.2	5,137	6,271	1134	22.1
II	570	587	17	3.0	444	381	(63)	-14.2	5,147	5,999	852	16.6
III	526	492	(34)	-6.5	288	306	18	6.3	5,051	5,696	645	12.8
IV	411	422	11	2.7	18	2	(16)	-88.9	5,311	6,105	749	15.0
V	312	337	25	8.0	4	0	(4)	-100.0	4,714	5,569	855	18.1
VI	263	289	26	9.9	...	0	0	0.0	4,653	4,870	217	4.7
Sub Total	**3,870**	**3,246**	**(590)**	**-16.1**	**1,753**	**1,572**	**(181)**	**-10.3**	**35,405**	**39,892**	**4,487**	**12.7**
VII	157	127	(30)	-19.1	...	...	...	...	0	98	98	0
VIII	125	177	52	41.6	...	...	...	...	0	92	92	0
Sub Total	**282**	**304**	**22**	**7.8**	**...**	**...**	**...**	**...**	**0**	**190**	**190**	**0**
IX	202	154	(48)	-23.8	...	...	...	...	...	...	...	...
X	275	213	(62)	-22.5	...	...	...	...	...	...	...	...
Sub Total	**477**	**367**	**(110)**	**-23.1**	**...**	**...**	**...**	**...**	**...**	**...**	**...**	**...**
XI	2,633	4,353	1720	65.3	...	...	...	...	...	...	...	...
XII	4,736	4,643	(93)	-2.0	...	...	...	...	...	...	...	...
Sub Total	**7,369**	**8,996**	**1627**	**22.1**	**...**	**...**	**...**	**...**	**...**	**...**	**...**	**...**
VII-X	759	671	(88)	-11.6	...	...	...	...	...	...	...	...
Sub Total	**759**	**671**	**(88)**	**-11.6**	**...**	**...**	**...**	**...**	**...**	**...**	**...**	**...**
Total	**12,757**	**13,584**			**1,753**	**1,572**			**35,405**	**40,082**		

Source: Annual Education Statistics 2019, MoE

	Lower & Middle Secondary				Higher Secondary Schools				Total			
	2018	**2019**	**+ or -**	**%**	**2018**	**2019**	**+ or -**	**%**	**2018**	**2019**	**+ or -**	**%**
	5,557	4,819	(738)	-13.3	1131	1204	73	6.5	13,681	11,852	(1829)	-13.4
	5,656	5,365	(291)	-5.1	1,134	1,385	251	22.1	13,113	13,482	369	2.8
	5,890	5,378	(512)	-8.7	1,285	1,295	10	0.8	13,336	13,061	(275)	-2.1
	5,955	5,360	(595)	-10.0	1,345	1,393	48	3.6	13,165	12,767	(398)	-3.0
	6,573	6,173	(400)	-6.1	1,353	1,645	292	21.6	13,666	13,944	278	2.0
	6,269	5,908	(361)	-5.8	1,247	1,515	268	21.5	12,546	13,008	462	3.7
	6,469	5,479	(990)	-15.3	1,406	1,416	10	0.7	12,791	11,780	(1011)	-7.9
	42,369	**38,482**	**(3887)**	**-9.2**	**8,901**	**9,853**	**952**	**10.7**	**92,298**	**89,894**	**(2404)**	**-2.6**
	11,743	10,069	(1678)	-14.3	3,033	3,526	493	16.3	14,933	13,702	(1231)	-8.2
	11,068	10,019	(1049)	-9.5	2,863	3,629	766	26.8	14,056	13,752	(304)	-2.2
	22,811	**20,088**	**(2723)**	**-11.9**	**5,896**	**7,155**	**1259**	**21.4**	**28,989**	**27,454**	**(1535)**	**-5.3**
	8,222	6,376	(1846)	-22.5	5,404	7,503	2099	38.8	13,828	13,886	58	0.4
	6,567	5,658	(909)	-13.8	5,668	7,213	1545	27.3	12,510	12,881	371	3.0
	14,789	**12,034**	**(2755)**	**-18.6**	**11,072**	**14,716**	**3644**	**32.9**	**26,338**	**26,767**	**429**	**1.6**
	...	...	...	...	6,249	11,750	5501	88.0	8,882	11,750	2868	32.3
	...	...	...	...	5,865	10,921	5056	86.2	10,601	10,921	320	3.0
	...	**...**	**...**	**...**	**12,114**	**22,671**	**10557**	**87.1**	**19,483**	**22,671**	**3188**	**16.4**
	37,600	32,122	(5478)	-14.6	16,968	21,871	4903	28.9	55,327	54,221	(1106)	-2.0
	37,600	**32,122**	**(5478)**	**-14.6**	**16,968**	**21,871**	**4903**	**28.9**	**55,327**	**54,221**	**(1106)**	**-2.0**
	117,569	**102,726**			**54,951**	**76,266**			**222,435**	**221,007**		

Table 3.8: Number of Students by Grade, Bhutan (2015-2019)

(Numbers)

Grade	2015	2016	2017	2018	2019
Primary grade	**99,291**	**96,654**	**94,184**	**92,298**	**89,894**
PP	13,882	13,565	13,249	13,681	11,852
I	13,218	13,645	13,390	13,113	13,482
II	12,615	13,304	13,696	13,336	13,061
III	13,148	12,150	12,812	13,165	12,767
IV	16,192	14,511	13,312	13,666	13,944
V	15,669	15,071	13,602	12,546	13,008
VI	14,567	14,408	14,123	12,791	11,780
Lower Secondary grade	**28,992**	**29,353**	**29,296**	**28,989**	**27,454**
VII	15,392	15,490	15,298	14,933	13,702
VIII	13,600	13,863	13,998	14,056	13,752
Middle Secondary grade	**24,686**	**25,382**	**25,682**	**26,338**	**26,767**
IX	13,347	13,389	13,624	13,828	13,886
X	11,339	11,993	12,058	12,510	12,881
Higher Secondary school	**18,433**	**18,171**	**18,930**	**19,483**	**22,671**
XI	8,697	8,086	8,919	8,882	11,750
XII	9,736	10,085	10,011	10,601	10,921
Total	**171,402**	**169,560**	**168,092**	**167,108**	**166,786**

Source: Annual Education Statistics 2019, MoE.

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.

Labour and employment statistics presented in this chapter are mostly from Labour Force Survey (LFS) Report 2018 and Civil Service Statistics, December 2018, published by the Royal Civil Service Commission (RCSC).

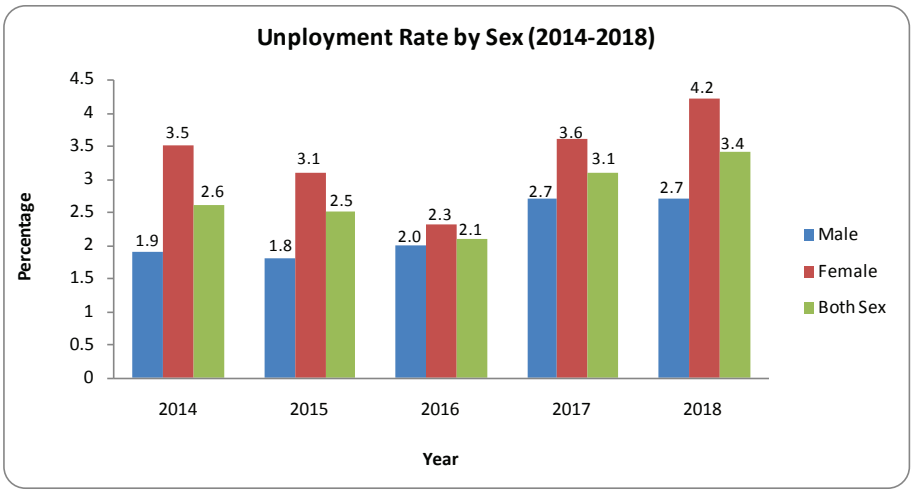

Table 4.1: Civil Servants by Position Category and Employment Type, Bhutan, (2015-2018)

Position Category & Position Level	2015			2016			2017			2018		
	Regular	Contract	Total	Regular	Contract	Total	Regular	Contract	Total	Regular	Contract	Total
Executive Position Category												
No Level 1	5	...	5	3	...	3	3	...	3	...	3	3
EX1	28	...	28	25	...	25	25	...	25	...	23	23
EX2	48	2	50	47	2	49	58	1	59	2	51	53
EX3	62	2	64	62	2	64	68	4	72	4	70	74
Total	143	4	147	137	4	141	154	5	159	6	147	153
Specialist Position Category												
ES1	2	...	2	3	...	3	5	1	6	1	4	5
ES2	26	1	27	32	2	34	36	1	37	2	40	42
ES3	74	1	75	69	1	70	72	1	73	1	70	71
Total	102	2	104	104	3	107	113	3	116	4	114	118
Professional & Management Position Category												
P1	658	10	668	850	16	866	944	18	962	19	1,037	1,056
P2	1,326	19	1,345	1,560	25	1,585	1,720	29	1,749	28	1,900	1,928
P3	2,214	71	2,285	2,737	96	2,833	3,202	74	3,276	75	3,735	3,810
P4	4,746	225	4,971	3,990	211	4,201	3,853	116	3,969	163	3,430	3,593
P5	4,724	163	4,887	2,925	680	3,605	2,617	821	3,438	914	2,225	3,139
Total	13,668	488	14,156	12,062	1,028	13,090	12,336	1,058	13,394	1,199	12,327	13,526
Supervisory &Support Position Category												
SS1	...	...	...	2	...	2	26	...	26	...	61	61
SS2	...	...	...	187	2	189	272	2	274	2	301	303
SS3	...	...	...	815	...	815	858	...	858	...	950	950
SS4	...	...	...	1,229	19	1,248	1,355	15	1,370	14	1,533	1,547
S1	2,428	242	2,670	2,417	42	2,459	2,561	44	2,605	48	2,570	2,618

cont...

Table 4.1 cont...

Position Category & Position Level	2015			2016			2017			2018		
	Regular	Contract	Total	Regular	Contract	Total	Regular	Contract	Total	Regular	Contract	Total
S2	2,222	23	2,245	2,082	258	2,340	2,057	44	2,101	67	2,011	2,078
S3	1,772	7	1,779	1,838	8	1,846	1,943	12	1,955	16	2,173	2,189
S4	2,030	31	2,061	1,710	37	1,747	1,488	32	1,520	18	1,135	1,153
S5	1,150	207	1,357	745	270	1,015	670	790	1,460	987	546	1,533
Total	9,602	510	10,112	11,025	636	11,661	11,230	939	12,169	1,152	11,280	12,432
Operational Positon Category												
O1	720	4	724	793	5	798	846	5	851	4	839	843
O2	402	35	437	319	82	401	286	129	415	168	325	493
O3	395	...	395	412	1	413	419	2	421	1	383	384
O4	485	51	536	309	109	418	186	359	545	553	116	669
Total	2,002	90	2,092	1,833	197	2,030	1,737	495	2,232	726	1,663	2,389
Grand Total	**25,517**	**1,094**	**26,611**	**25,161**	**1,868**	**27,029**	**25,570**	**2,500**	**28,070**	**3,087**	**25,531**	**28,618**

Table 4.2: Civil Servants by Working Agency and Employment Type, Bhutan, 2018

Working Agency	Regular			Contract			Grand Total	% Against Grand Total
	Bhutanese	Non-Bhutanese	Total	Bhutanese	Non-Bhutanese	Total		
His Majesty's Secretariat	43	0	43	28	0	28	71	0.25%
Secretariat of His Majesty The Fourth Druk Gyalpo	10	0	10	17	0	17	27	0.09%
Judiciary								
Royal Court of Justice	458	0	458	35	0	35	493	1.72%
Supreme Court of Bhutan	6	0	6	0	0	0	6	0.02%
Legislative								
National Assembly Secretariat	48	0	48	47	0	47	95	0.33%
National Council Secretariat	41	0	41	24	0	24	65	0.23%
Constitutional								
Royal Audit Authority	241	0	241	13	0	13	254	0.89%
Anti-Corruption Commission	106	0	106	8	0	8	114	0.40%
Royal Civil Service Commission	81	0	81	5	0	5	86	0.30%
Ministry								
Ministry of Agriculture and Forests	2,822	0	2,822	46	0	46	2,868	10.02%
Ministry of Health	1,231	1	1,232	54	11	65	1,297	4.53%
Ministry of Finance	895	0	895	52	1	53	948	3.31%
Ministry of Works & Human Settlement	662	1	663	13	3	16	679	2.37%
Ministry of Home & Cultural Affairs	585	0	585	19	0	19	604	2.11%
Ministry of Information & Communications	456	0	456	35	1	36	492	1.72%
Ministry of Economic Affairs	482	0	482	8	0	8	490	1.71%
Ministry of Labour & Human Resources	366	0	366	24	0	24	390	1.36%
Ministry of Education	222	0	222	13	2	15	237	0.83%
Ministry of Foreign Affairs	194	2	196	8	0	8	204	0.71%

cont...

Table 4.2 cont...

Working Agency	Regular			Contract			Grand Total	% Against Grand Total
	Bhutanese	Non-Bhutanese	Total	Bhutanese	Non-Bhutanese	Total		
Agency								
Jigme Dorji Wangchuk National Referral Hospital	981	0	981	84	7	91	1,072	3.75%
National Land Commission	222	0	222	9	0	9	231	0.81%
National Center for Hydrology and Meteorology	175	0	175	1	0	1	176	0.61%
Tourism Council of Bhutan	80	0	80	2	0	2	82	0.29%
Dratshang Lhentshog	49	0	49	44	0	44	93	0.32%
Gross National Happiness Commission	71	0	71	0	0	0	71	0.25%
Royal Institute of Management	59	0	59	4	0	4	63	0.22%
Office of the Attorney General	65	0	65	5	0	5	70	0.24%
Bhutan Standards Bureau	52	0	52	1	0	1	53	0.21%
National Environment Commission	58	0	58	1	0	1	59	0.21%
Bhutan Narcotic Control Authority	28	0	28	30	0	30	58	0.20%
Royal Education Council	44	0	44	8	0	8	52	0.18%
Cabinet Secretariat	43	0	43	0	0	0	43	0.15%
National Statistics Bureau	43	0	43	0	0	0	43	0.15%
Bhutan Council for School Examinations and Assessment	34	0	34	2	0	2	36	0.13%
Bhutan Information Communications & Media Authority	32	0	32	1	0	1	33	0.12%
Drug Regulatory Authority	29	0	29	1	0	1	30	0.10%
Dzongkha Development Commission	28	0	28		0	0	28	0.10%
Centre for Bhutan Studies and GNH Research	24	0	24	5	0	5	29	0.10%
Construction Development Board	25	0	25	1	0	1	26	0.09%
National Commission for Women & Children	26	0	26	4	0	4	30	0.10%
Bhutan Olympic Committee	19	0	19	0	0	0	19	0.07%
Bhutan National Legal Institute	13	0	13	4	0	4	17	0.06%

cont...

Table 4.2 cont...

Working Agency	Regular			Contract			Grand Total	% Against Grand Total
	Bhutanese	Non-Bhutanese	Total	Bhutanese	Non-Bhutanese	Total		
Royal Privy Council	10	0	10	0	0	0	10	0.03%
Bhutan Medical Health Council	12	0	12	1	0	1	13	0.05%
Dzongkhag								
Trashigang	1,207	0	1,207	216	7	223	1,430	5.00%
Samtse	1,064	1	1,065	205	25	230	1,295	4.53%
Chhukha	882	1	883	165	9	174	1,057	3.69%
Monggar	758	0	758	192	5	197	955	3.34%
Paro	892	0	892	78	4	82	974	3.40%
Wangdue Phodrang	780	0	780	72	2	74	854	2.98%
Dagana	618	0	618	148	2	150	768	2.68%
Samdrup Jongkhar	642	0	642	139	9	148	790	2.76%
Sarpang	678	0	678	63	7	70	748	2.61%
Pemagatsel	585	0	585	137	2	139	724	2.53%
Punakha	669	0	669	64	8	72	741	2.59%
Zhemgang	526	0	526	138	1	139	665	2.32%
Trashiyangtse	497	0	497	123	1	124	621	2.17%
Tsirang	540	0	540	82	1	83	623	2.18%
Lhuentse	412	0	412	96	1	97	509	1.78%
Bumthang	448	0	448	51		51	499	1.74%
Trongsa	385	0	385	70	1	71	456	1.59%
Thimphu	419	0	419	55	4	59	478	1.67%
Haa	337	0	337	64	1	65	402	1.40%
Gasa	163	0	163	36	0	36	199	0.70%

cont...

Table 4.2 cont...

Working Agency	Regular			Contract			Grand Total	% Against Grand Total
	Bhutanese	Non-Bhutanese	Total	Bhutanese	Non-Bhutanese	Total		
Thromde								
Thimphu	1,173	0	1,173	28	19	47	1,220	4.26%
Phuentsholing	294	0	294	29	17	46	340	1.19%
Gelephu	228	0	228	11	3	14	242	0.85%
Samdrup Jongkhar	146	0	146	10	4	14	160	0.56%
Outside								
Defence[1]	4	0	4	0	0	0	4	0.01%
Non Governemental Organizations	3	0	3	0	0	0	3	0.01%
Corporations	2	0	2	0	0	0	2	0.01%
International Organizations	2	0	2	0	0	0	2	0.01%
Total	**25,525**	**6**	**25,531**	**2,929**	**158**	**3,087**	**28,618**	**100.00%**

Note: [1]Finance and Accounts staff placed in RBG/RBA/RBP
Source: Civil Service Statistics, December 2018, RCSC.

Table 4.3: Civil Servants by Position Level and Sex, Bhutan, 2018

Position Category	Regular						Total Regular		
	Bhutanese			Non-Bhutanese					
	Male	Female	Total	Male	Female	Total		Male	
Executive Position Category									
No Level [1]	2	1	3	0	0	0	3	0	
EX1	23	0	23	0	0	0	23	0	
EX2	49	2	51	0	0	0	51	2	
EX3	58	12	70	0	0	0	70	4	
Total	132	15	147	0	0	0	147	6	
Specialist Position Category									
ES1	3	1	4	0	0	0	4	1	
ES2	34	6	40	0	0	0	40	2	
ES3	58	12	70	0	0	0	70	1	
Total	95	19	114	0	0	0	114	4	
Professional & Management Position Category									
P1	727	310	1,037	0	0	0	1,037	13	
P2	1,307	593	1,900	0	0	0	1,900	10	
P3	2,310	1,425	3,735	0	0	0	3,735	8	
P4	2,190	1,240	3,430	0	0	0	3,430	49	
P5	1,261	964	2,225	0	0	0	2,225	502	
Total	7,795	4,532	12,327	0	0	0	12,327	582	
Supervisory & Support Position Category									
SS1	39	22	61	0	0	0	61	0	
SS2	215	86	301	0	0	0	301	2	
SS3	710	238	948	1	1	2	950	0	
SS4	1,000	533	1,533	0	0	0	1,533	11	
S1	1,602	966	2,568	0	2	2	2,570	38	
S2	1,226	785	2,011	0	0	0	2,011	47	
S3	1,152	1,019	2,171	2	0	2	2,173	10	
S4	534	601	1,135	0	0	0	1,135	13	
S5	329	217	546	0	0	0	546	482	
Total	6,807	4,467	11,274	3	3	6	11,286	603	
Operational Position Category									
O1	698	141	839	0	0	0	839	3	
O2	251	74	325	0	0	0	325	64	
O3	345	38	383	0	0	0	383	0	
O4	110	6	116	0	0	0	116	497	
Total	1,404	259	1,663	0	0	0	1,663	564	
Grand Total	**16,233**	**9,292**	**25,525**	**3**	**3**	**0**	**25,537**	**1,759**	

Note: [1] Eminent members of the Parliament & Attorney General are summed up with Executive Position Category.
Source: Civil Service Statistics, December 2018, RCSC.

Contract						Total Contract	Total Male	Total Female	Grand Total
Bhutanese			Non-Bhutanese						
	Female	Total	Male	Female	Total				
	0	0	0	0	0	0	2	1	3
	0	0	0	0	0	0	23	0	23
	0	2	0	0	0	2	51	2	53
	0	4	0	0	0	4	62	12	74
	0	6	0	0	0	6	138	15	153
	0	1	0	0	0	1	4	1	5
	0	2	0	0	0	2	36	6	42
	0	1	0	0	0	1	59	12	71
	0	4	0	0	0	4	99	19	118
	1	14	4	1	5	19	744	312	1,056
	1	11	10	7	17	28	1,327	601	1,928
	5	13	49	13	62	75	2,367	1,443	3,810
	63	112	31	20	51	163	2,270	1,323	3,593
	395	897	6	11	17	914	1,769	3,679	5,448
	465	1,047	100	52	152	1,199	8,477	5,049	13,526
	0	0	0	0	0	0	39	22	61
	0	2	0	0	0	2	217	86	303
	0	0	0	0	0	0	711	239	950
	3	14	0	0	0	14	1,011	536	1,547
	9	47	1	0	1	48	1,641	977	2,618
	20	67	0	0	0	67	1,273	805	2,078
	5	15	1	0	1	16	1,165	1,024	2,189
	4	17	0	1	1	18	547	606	1,153
	505	987	0	0	0	987	811	722	1,533
	546	1,149	2	1	3	1,152	7,415	5,017	12,432
	0	3	1	0	1	4	702	141	843
	104	168	0	0	0	168	315	178	493
	1	1	0	0	0	1	345	39	384
	54	551	2	0	2	553	609	60	669
	159	723	3	0	3	726	1,971	418	2,389
	1,170	**2,929**	**105**	**53**	**158**	**3,087**	**18,100**	**10,518**	**28,618**

Table 4.4: Percentage Distribution of Economically Active Population by Sex and Dzongkhag, Bhutan 2018

Dzongkhag	Numbers	Sex		Both Sex
		Male	Female	
Bumthang	7,115	47.2	52.8	100.0
Chhukha	24,208	62.6	37.4	100.0
Dagana	12,240	53.2	46.8	100.0
Gasa	1,372	50.6	49.4	100.0
Haa	6,349	51.7	48.3	100.0
Lhuntse	6,471	46.8	53.2	100.0
Monggar	18,159	49.2	50.8	100.0
Paro	21,681	50.1	49.9	100.0
Pema Gatshel	11,075	51.8	48.2	100.0
Punakha	11,958	50.0	50.0	100.0
Samdrup Jongkhar	15,571	53.6	46.4	100.0
Samtse	34,976	54.4	45.6	100.0
Sarpang	16,004	64.5	35.5	100.0
Thimphu	49,551	61.1	38.9	100.0
Trashigang	22,217	48.9	51.1	100.0
Trashi Yangtse	8,037	51.2	48.8	100.0
Trongsa	8,146	47	53	100.0
Tsirang	11,300	51.6	48.4	100.0
Wangdue Phodrang	18,224	52.3	47.7	100.0
Zhemgang	6,202	58.3	41.7	100.0
Bhutan	**310,856**	**54.5**	**45.5**	**100.0**

Source: Labour Force Survey Report 2018, NSB.

Table 4.5: Percentage Distribution of Employed Persons by Major Occupation, Area and Sex, Bhutan 2018

Major Occupation	Area		Sex		Total
	Urban	Rural	Male	Female	
Managers	6.3	2.4	4.8	1.9	3.5
Professionals	15.9	3.4	8.7	4.9	7.0
Technicians & Associate Professionals	11.8	1.8	5.8	3.3	4.7
Clerical Support Workers	6.1	0.6	2.1	2.3	2.2
Services and Sales workers	23.1	5.9	8.5	13.7	10.9
Skilled Agricultural & Forestry workers	4.3	73.6	46.0	63.1	53.7
Craft & Related Trade Workers	10.8	5.1	6.5	7.0	6.7
Plant & Machine Operators	9.6	3.8	9.8	0.2	5.4
Elementary Occupations	4.6	2.8	3.3	3.4	3.3
Armed Forces	7.5	0.6	4.5	0.3	2.6
Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**

Source: Labour Force Survey Report 2018, NSB.

Table 4.6: Percentage Distribution of Employed Persons by Nature of Employment, Area and Sex, Bhutan 2018

Nature of Employment	Urban			Rural			Both Areas		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Regular paid employee	70.6	53.1	63.8	15.2	7.1	11.3	33.0	18.4	26.4
Casual paid employee	5.4	3.7	4.8	5.2	1.2	3.3	5.3	1.9	3.7
Contract/Piece paid worker	1.5	0.6	1.1	3.1	0.4	1.8	2.6	0.5	1.6
Own-account worker (Non agriculture)	17.1	27.4	21.1	7.9	7.3	7.6	10.9	12.2	11.5
Own-account worker (Agriculture)	1.8	3.6	2.5	36.7	30.9	33.9	25.5	24.1	24.9
Family worker (Non-agriculture)	1.9	8.2	4.3	1.9	2.1	2.0	1.9	3.6	2.7
Family worker (Agriculture)	0.9	2.9	1.7	29.7	51.0	39.9	20.5	39.1	28.9
Employer	0.8	0.6	0.7	0.2	0.1	0.1	0.4	0.2	0.3
Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**

Source: Labour Force Survey Report 2018, NSB.

Table 4.7: Percentage Distribution of Employed Persons by Type of Enterprise and Sex, Bhutan 2018

Nature of Employment	Sex		
	Male	Female	Both Sex
Civil Service	9.1	5.8	7.6
Other Government Agencies	3.9	2.5	3.3
Armed Forces	4.6	0.3	2.7
Agriculture Farming	46.2	63.2	53.9
Public/ Government Companies	5.8	2.7	4.4
Private Companies	5.8	3.1	4.6
Private Business	24	21.9	23.1
NGO/ INGO/ CSO	0.5	0.4	0.5
Total	**100.0**	**100.0**	**100.0**

Source: Labour Force Survey Report 2018, NSB.

Table 4.8: Percentage Distribution of Labour Force Participation, Employment Status, Unemployment Status by Age Group and Sex, Bhutan, 2018

Age	Labour Force participation rate			Unemployment rate			Employment rate		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
15-19	8.3	6.1	7.2	15.9	21.4	18.4	84.1	78.6	81.6
20-24	49.7	46.9	48.3	15.3	15.3	15.3	84.7	84.7	84.7
25-29	85.3	68.6	76.2	6.3	8.3	7.3	93.7	91.7	92.7
30-34	92.0	72.0	81.6	1.6	4.6	3.0	98.3	95.4	97.0
35-39	94.3	73.4	83.5	0.8	2.7	1.7	99.2	97.3	98.3
40-44	95.6	75.9	85.9	0.1	0.7	0.4	99.9	99.3	99.6
45-49	93.9	74.6	83.7	0.1	0.2	0.2	99.9	99.8	99.8
50-54	91.1	69.7	79.9	0.0	0.0	0.0	100.0	100.0	100.0
55-59	86.1	68.6	77.6	0.0	0.0	0.0	100.0	100.0	100.0
60-64	76.8	62.2	69.6	0.0	0.0	0.0	100.0	100.0	100.0
65+	44.6	26.8	35.9	0.0	0.0	0.0	100.0	100.0	100.0
Total	**70.1**	**55.5**	**62.6**	**2.7**	**4.2**	**3.4**	**97.3**	**95.8**	**96.6**

Source: Labour Force Survey Report 2018, NSB.

Table 4.9: Total Employed Persons by Age Group,Type of Enterprise and Sex, Bhutan, 2018

Age Group	Civil Service		Other Government Agencies		Armed Forces		Public/ Government Companies		Private Companies	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	
15-19	0	0	0	6	0	0	109	26	182	
20-24	176	610	402	404	268	20	665	475	1,322	
25-29	1,890	1,860	726	605	761	140	1,620	1,201	2,390	
30-34	3,403	2,241	1,220	845	1,160	64	2,079	934	1,847	
35-39	3,280	1,778	1,199	658	1,946	96	1,859	492	1,351	
40-44	2,289	590	1,007	459	1,426	33	1,269	191	750	
45-49	1,531	517	654	215	1,471	83	976	274	586	
50-54	1,649	160	751	186	398	18	693	73	521	
55-59	615	138	264	44	60	0	249	18	242	
60-64	82	19	207	0	0	0	46	0	284	
65+	38	0	76	11	77	0	18	0	124	
Total	**14,953**	**7,913**	**6,506**	**3,433**	**7,567**	**454**	**9,583**	**3,684**	**9,599**	

Source: Labour Force Survey Report 2018, NSB.

	Private Business		Agricultural Farming		NGO/INGO/CSO		Total		Grand Total
Female	Male	Female	Male	Female	Male	Female	Male	Female	
36	531	543	1,337	1,011	0	0	2,159	1,622	3,781
927	3,465	3,595	4,835	5,147	168	98	11,301	11,276	22,577
1,421	6,342	6,000	7,476	8,549	209	140	21,414	19,916	41,330
1,032	7,156	5,218	7,385	9,384	49	124	24,299	19,842	44,141
390	6,611	4,923	7,341	10,823	126	136	23,713	19,296	43,009
102	4,671	3,260	7,286	9,784	51	14	18,749	14,433	33,182
163	3,098	2,993	7,733	10,097	79	25	16,128	14,367	30,495
47	2,345	1,357	7,588	9,770	25	49	13,970	11,660	25,630
0	2,148	777	7,798	7,612	0	0	11,376	8,589	19,965
20	1,665	576	7,648	7,262	34	0	9,966	7,877	17,843
17	1,547	449	9,778	6,297	62	0	11,720	6,774	18,494
4,155	**39,579**	**29,691**	**76,205**	**85,736**	**803**	**586**	**164,795**	**135,652**	**300,447**

Table 4.10: Total Employed Persons by Age Group and Level of Education, Bhutan 2018

Age Group	Level of Education										Total
	None	Primary	Lower Secondary	Middle Secondary	Higher Secondary	Bachelors Degree	Masters & Above	Religious Professionals	NFE	Don't know	
15-19	545	1,275	599	1,071	190	0	0	70	32	0	3,782
20-24	3,348	2,789	2,299	6,585	5,015	1,115	53	330	1,042	0	22,576
25-29	11,167	4,127	2,356	6,687	7,811	5,833	281	780	2,265	22	41,329
30-34	15,208	5,370	2,990	5,628	5,742	5,309	601	723	2,527	42	44,140
35-39	19,958	5,761	2,566	4,786	2,849	3,251	742	679	2,397	20	43,009
40-44	19,207	4,601	1,500	2,189	984	1,194	525	846	2,134	0	33,180
45-49	19,556	4,094	1,324	1,332	619	849	359	489	1,850	23	30,495
50-54	19,056	2,175	1,040	886	219	604	287	361	951	51	25,630
55-59	16,235	1,477	219	410	86	357	187	495	499	0	19,965
60-64	15,424	979	254	164	58	230	0	452	281	0	17,842
65+	16,427	1,099	170	162	18	19	63	375	133	27	18,493
Total	**156,131**	**33,747**	**15,317**	**29,900**	**23,591**	**18,761**	**3,098**	**5,600**	**14,111**	**185**	**300,441**

Source: Labour Force Survey Report 2018, NSB.

Table 4.11: Total Employed Persons by Dzongkhag and Level of Education, Bhutan 2018

Dzongkhag	Level of Education										Total
	None	Primary	Lower Secondary	Middle Secondary	Higher Secondary	Bachelors Degree	Masters & Above	Religious Professionals	NFE	Don't know	
Bumthang	3,646	795	341	800	726	362	28	190	91	23	7,002
Chukha	11,056	2,871	1,330	2,989	2,295	1,827	263	349	357	0	23,337
Dagana	7,507	1,589	561	839	629	172	75	141	558	22	12,093
Gasa	725	208	80	72	109	73	25	20	6	0	1,318
Haa	4,190	452	286	500	527	198	19	126	21	9	6,328
Lhuntse	3,791	548	217	366	342	209	40	150	750	0	6,413
Mongar	10,663	1,715	712	886	824	728	112	390	1,833	0	17,863
Paro	8,951	2,874	1,131	1,849	1,959	1,429	206	756	728	0	19,883
Pemagatshel	6,842	966	525	918	518	408	43	45	809	0	11,074
Punakha	6,517	1,639	637	1,114	641	450	55	312	284	27	11,676
Samdrup Jongkhar	9,393	1,558	745	1,324	838	516	34	58	934	43	15,443
Samtse	20,944	4,614	1,371	2,891	1,244	663	131	163	2,157	0	34,178
Sarpang	5,956	2,608	983	2,049	1,446	898	38	302	1,105	0	15,385
Thimphu	10,894	3,522	2,822	7,494	7,947	8,973	1,776	806	340	25	44,599
Tashigang	14,001	1,908	1,109	1,384	647	386	101	648	1,976	27	22,187
Tashiyangtse	5,335	573	258	654	432	268	55	124	288	0	7,987
Trongsa	5,315	755	428	634	625	194	0	114	34	9	8,108
Tsirang	5,874	2,149	712	1,205	500	280	11	88	445	0	11,264
Wangdue Phodrang	11,154	1,738	841	1,434	990	512	44	537	874	0	18,124
Zhemgang	3,374	664	230	500	354	213	45	280	521	0	6,181
Total	**156,128**	**33,746**	**15,319**	**29,902**	**23,593**	**18,759**	**3,101**	**5,599**	**14,111**	**185**	**300,443**

Source: Labour Force Survey Report 2018, NSB.

Table 4.12: Total Employed Persons by Major Economic Activity and Nature of Employment, Bhutan 2018

Major Economic Activity	Regular paid employee	Casual paid employee	
Agriculture, Forestry and Fishing	584	704	
Mining and Quarrying	986	18	
Manufacturing	7,096	1,920	
Electricity, Gas, Steam and Air Conditioning Supply	4,432	20	
Water Supply, Swerage, Waste Management and Remediation Activities	149	14	
Construction	5,837	2,590	
Wholesale and Retail Trade; Repair of Motor Vehicles and Motorcycles	3,923	483	
Transportation and Storage	1,508	1,483	
Accomodation and Food Service Activities	4,497	123	
Information and Communication	2,146	25	
Financial and Insurance Activities	2,533	28	
Real Estate Activities	123	49	
Professional, Sentific and Technical Activities	702	22	
Administrative and Support Service Activities	1,624	1,448	
Public Administration & Defense; Compulsory Social Security	24,348	33	
Education	11,359	45	
Human Health & Social Work Activities	4,736	0	
Arts, Entertainment and Recreation	858	95	
Other Service Activities	727	2,062	
Activities of Household as Employers	733	37	
Activities of Extraterritorial Organizations and Bodies	435	0	
Total	**79,336**	**11,199**	

Source: Labour Force Survey Report 2018, NSB.

Nature of Employment							Total
	Contract/ piece paid worker	Own-account workers (Non-agriculture)	Own-account workers (Agriculture)	Family workers (Non-agriculture)	Family workers (Agriculture)	Employer	
	359	238	73,357	68	86,857	72	162,239
	72	101	0	0	0	0	1,177
	797	6,414	671	2,819	0	80	19,797
	21	0	0	0	0	0	4,473
	0	49	0	0	0	0	212
	2,801	1,685	38	565	0	53	13,569
	68	13,809	417	2,771	0	221	21,692
	128	5,903	157	441	0	105	9,725
	30	2,622	76	704	0	171	8,223
	25	229	17	85	0	49	2,576
	0	67	0	0	0	0	2,628
	14	38	0	0	0	0	224
	0	350	0	18	0	25	1,117
	104	1,138	0	38	0	91	4,443
	115	32	0	2	0	0	24,530
	0	90	0	0	0	0	11,494
	0	0	0	0	0	0	4,736
	49	194	0	0	0	0	1,196
	198	1,508	35	505	0	37	5,072
	43	11	0	58	0	0	882
	0	0	0	0	0	0	435
	4,824	**34,478**	**74,768**	**8,074**	**86,857**	**904**	**300,440**

Table 4.13: Number of Employed Persons who looked for additional work by Dzongkhag, Area and Sex , Bhutan 2018

Dzongkhag	Urban			Rural			Bhutan		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bumthang	81	63	144	15	82	97	96	145	241
Chhukha	245	18	263	55	0	55	300	18	318
Dagana	115	28	143	1,688	653	2,341	1,804	682	2,486
Gasa	0	0	0	98	58	156	98	58	156
Haa	0	0	0	60	9	69	60	9	69
Lhuntse	13	19	32	667	563	1,230	680	582	1,262
Monggar	99	43	142	1,420	1,056	2,476	1,519	1,099	2,618
Paro	36	0	36	88	11	99	123	11	134
Pema Gatshel	0	14	14	143	75	218	143	90	233
Punakha	14	42	56	537	416	953	551	458	1,009
Samdrup Jongkhar	0	11	11	278	103	381	278	114	392
Samtse	52	35	87	1,683	245	1,928	1,735	280	2,015
Sarpang	190	94	284	609	286	895	799	380	1,179
Thimphu	517	221	738	105	0	105	621	221	842
Trashigang	15	79	94	765	497	1,262	780	576	1,356
Trashi Yangtse	0	0	0	134	145	279	134	145	279
Trongsa	15	0	15	37	0	37	53	0	53
Tsirang	43	11	54	1,546	350	1,896	1,589	360	1,949
Wangdue Phodrang	38	38	76	990	149	1,139	1,028	187	1,215
Zhemgang	21	11	32	208	153	361	230	164	394
Total	**1,494**	**727**	**2,221**	**11,126**	**4,851**	**15,977**	**12,621**	**5,579**	**18,200**

Source: Labour Force Survey Report 2018, NSB.

Table 4.14: Total Employed persons by Major Economic Activity and hours worked per week, Bhutan 2018

Major Economic Activity	Total Hours Worked per Week							Total
	<30	30-39	40-49	50-59	60-69	70-79	80+	
Agriculture, Forestry and Fishing	15,883	10,344	34,732	53,252	23,755	13,216	11,058	162,240
Mining and Quarrying	0	0	508	367	82	88	133	1,178
Manufacturing	3,086	1,627	6,844	4,149	1,788	1,502	801	19,797
Electricity, Gas, Steam and Air Conditioning Supply	142	327	2,749	885	168	67	136	4,474
Water supply, Swerage, Waste Management and Remediation Activities	0	0	185	0	0	14	12	211
Construction	1,332	377	3,560	4,521	1,458	1,312	1,008	13,568
Wholesale and Retail Trade; Repair of Motor Vehicles and Motorcycles	1,211	559	5,194	4,545	2,891	3,057	4,236	21,693
Transportation and Storage	830	594	2,320	2,194	1,211	1,067	1,509	9,725
Accomodation and Food Service Activities	331	170	2,079	1,803	1,372	844	1,623	8,222
Information and Communication	0	110	1,595	629	104	114	25	2,577
Financial and Insurance Activities	50	345	1,529	585	25	73	21	2,628
Real Estate Activities	0	0	52	25	25	49	74	225
Professional, Sentific and Technical	49	225	397	205	42	100	99	1,117
Administrative and Support Service Activities	272	493	1,630	1,201	269	211	368	4,444
Public Administration & Defense; Compulsory Social Security	944	2,140	11,013	6,697	1,534	1,281	921	24,530
Education	815	590	6178	2864	500	238	310	11,495
Human Health & Social Work Activities	116	951	2315	1008	180	88	79	4,737
Arts, Entertainment and Recreation	104	146	391	235	127	93	102	1,198
Other Service Activities	793	499	1408	933	508	484	446	5,071
Activities of Household as Employers	108	43	267	132	93	89	150	882
Activities of Extraterritorial Organizations and Bodies	0	25	221	158	0	0	31	435
Total	**26,066**	**19,565**	**85,167**	**86,388**	**36,132**	**23,987**	**23,142**	**300,447**

Source: Labour Force Survey Report 2018, NSB.

Table 4.15: Total Employed persons by nature of employment and hours worked per week, Bhutan 2018

Nature of Employment	Total Hours Worked per week							Total
	<30	30-39	40-49	50-59	60-69	70-79	80+	
Regular paid employee	3,680	5,600	37,383	20,098	5,316	3,710	3,551	79,338
Casual paid employee	1,566	1,171	2,597	2,514	913	1,170	1,269	11,200
Contract/piece paid worker	377	183	1,242	1,815	403	423	380	4,823
Own-account workers (Non-agriculture)	3,349	1,543	7,362	6,697	4,658	4,518	6,350	34,477
Own-account workers (Agriculture)	8,869	3,739	15,244	21,571	9,899	5,900	9,548	74,770
Family workers (Non-agriculture)	32	42	192	228	83	140	186	903
Family workers (Agriculture)	1,028	536	1,820	2,355	989	930	415	8,073
Employer	7,163	6,752	19,325	31,107	13,870	7,197	1,443	86,857
Total	**26,064**	**19,566**	**85,165**	**86,385**	**36,131**	**23,988**	**23,142**	**300,441**

Source: Labour Force Survey Report 2018, NSB.

Table 4.16: Number of Unemployed Persons by Age Group, Sex and Area of Residence, Bhutan 2018

Age	Rural			Urban			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
15-19	249	227	476	160	215	375	409	442	851
20-24	919	767	1,686	1,120	1,264	2,384	2,039	2,031	4,070
25-29	505	538	1,043	939	1,259	2,198	1,444	1,797	3,241
30-34	240	175	415	168	779	947	408	954	1,362
35-39	101	74	175	99	453	552	200	527	727
40-44	0	24	24	17	76	93	17	100	117
45-49	0	4	4	19	25	44	19	29	48
50-54	0	0	0	0	0	0	0	0	0
55-59	0	0	0	0	0	0	0	0	0
60-64	0	0	0	0	0	0	0	0	0
65+	0	0	0	0	0	0	0	0	0
Total	**2,014**	**1,809**	**3,823**	**2,522**	**4,071**	**6,593**	**4,536**	**5,880**	**10,416**

Source: Labour Force Survey Report 2018, NSB.

Table 4.17: Total Employed Persons by Major Economic Activity and Level of Education, Bhutan 2018

Major Economic Activity	None	Primary	Lower Secondary	Middle Secondary	
Agriculture, Forestry and Fishing	116,494	17,786	5,123	7,418	
Mining and Quarrying	424	160	89	281	
Manufacturing	8,623	2,643	1,109	3,223	
Electricity, Gas, Steam and Air Conditioning Supply	485	462	362	1,607	
Water supply, Swerage, Waste Management and Remediation Activities	0	62	25	0	
Construction	5,785	1,829	1,006	1,731	
Wholesale and Retail Trade; Repair of Motor Vehicles and Motorcycles	7,107	2,654	1,786	4,215	
Transportation and Storage	3,578	1,636	1,090	1,175	
Accomodation and Food Service Activities	2,190	1,016	541	1,532	
Information and Communication	165	160	158	468	
Financial and Insurance Activities	77	119	21	282	
Real Estate Activities	13	74	25	38	
Professional, Sentific and Technical	49	31	0	155	
Administrative and Support Service Activities	380	109	232	674	
Public Administration & Defense; Compulsory Social Security	6,138	3,408	2,749	4,252	
Education	1219	530	296	1185	
Human Health & Social Work Activities	483	375	391	852	
Arts, Entertainment and Recreation	205	153	84	312	
Other Service Activities	2143	429	147	386	
Activities of Household as Employers	545	83	83	41	
Activities of Extraterritorial Organizations and Bodies	25	31	0	74	
Total	**156,128**	**33,750**	**15,317**	**29,901**	

Source: Labour Force Survey Report 2018, NSB.

Level of Education							Total
	Higher Secondary	Bachelors Degree	Masters Degree & Above	Religious Professionals	NFE	Don't know	
	2,601	483	66	2,079	10,146	43	162,239
	147	42	35	0	0	0	1,178
	1,619	708	86	286	1,490	11	19,798
	993	414	74	36	39	0	4,472
	62	49	0	0	14	0	212
	1,449	1,180	61	299	226	0	13,566
	3,165	1,624	90	224	806	21	21,692
	1,093	437	63	441	200	11	9,724
	1,893	761	46	51	193	0	8,223
	747	702	176	0	0	0	2,576
	773	1,261	61	0	35	0	2,629
	0	74	0	0	0	0	224
	337	258	268	18	0	0	1,116
	1,598	1,265	161	25	0	0	4,444
	2,815	3,308	783	537	504	35	24,529
	2113	4951	854	130	179	36	11,493
	1588	787	202	19	40	0	4,737
	234	98	25	34	25	27	1,197
	230	184	0	1397	158	0	5,074
	50	0	0	25	55	0	882
	84	172	49	0	0	0	435
	23,591	**18,758**	**3,100**	**5,601**	**14,110**	**184**	**300,440**

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

The MoAF 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 2017, Agriculture contributed 15.17 percent to the total economy i.e. as measured by the Gross Domestic Product.

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 MoAF 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 2016 and administrative records maintained by different departments under the MoAF.

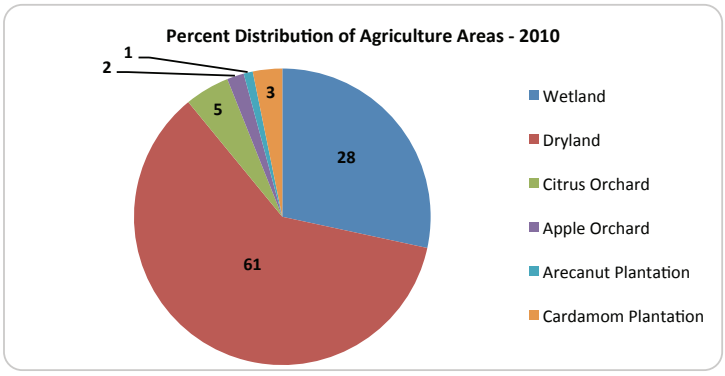

Table 5.1: Number of Agriculture Research and Extension Facilities, Bhutan, (2014-2018)

(Numbers)

Infrastructure	2014	2015	2016	2017	2018
RNR (Common services)					
RNR Extension Centers	139	139	139	139	139
RNR Research Centers	4	4	4	4	4
RNR Research sub-stations	6	6	6	5	5
National Soil Service Centre	1	1	1	1	1
Agriculture					
Agriculture Extension Centers	40	40	40	40	40
Agriculture Seed Production Farms	11	11	11	8	8
Agriculture Research and Development Centres	4	4	4	4	4
Agriculture Research and Development Sub-Centres	6	6	6	6	6
Farm Mechanization Centers	3	3	3	3	3
Farm Mechanization Training Centers	1	1	1	1	1
National Mushroom Center	1	1	1	1	1
National Post Harvest Center	1	1	1	1	1
National Plant Protection Center	1	1	1	1	1
National Seed Centre	1	1	1	1	1
Livestock					
Dzongkhag Veterinary Hospitals	20	20	20	20	20
City Veterinary Hospital	1	1	1	...	...
National Animal Hospital	1	1	1	1	1
Regional Livestock Development Centre	4	4	4	4	4
National Livestock Commodity Research Centres	6	6	6	...	...
Livestock Extension Centers	42	17	17	12	12
Satellite Veterinary Laboratories	4	4	4	...	...
Government Livestock Farms	11	13	14	20	20
Fodder Seed Production Center	1	1	1	...	...
Vaccine Production Centre (NCAH)	1	1	1	1	1
Artificial Insemination Production Center	1	1	1	...	...
National Research and Development Center for Riverine and Lake Fisheries, Haa	1	1	1	1	1
National Center for Animal Health	1	1	1	1	1
National Centre for Animal Nutrition	1	1	1	...	...
Liquid Nitrogen Centre	1	1	1	2	2

cont...

Table 5.1 cont...

Infrastructure	2014	2015	2016	2017	2018
Semen Processing Centre	1	1	2	1	1
Livestock Product Value Addition Centre, Serbithang	...	...	1	...	...
Forestry					
Territorial Division HQs	12	12	14	14	14
Range Offices	55	55	70	71	73
Beat Offices	80	80	81	94	81
Check post	41	41	41	33	41
National Parks	5	5	5	5	5
Wildlife Sanctuaries & Strict Nature Reserve	3	3	4	5	5
Nature Conservation Study Center	1	1	1	1	1
Forest Management Unit Office	14	14	16	20	21
Recreational Park	1	1	1	1	1
Forestry Conservation Research & Training Institute	...	...	1	1	1
Conifer Forestry Research Sub Center	...	...	...	...	...
NWFP and Agroforestry Technology Sub Center	...	...	...	...	...
Sub Tropical Forestry Technology Sub Center	...	...	...	...	...
Functional Divisions	6	6	5	6	5
Memorial Garden (Kudrong, Langjopjaka)	...	...	1	1	1
Nature Park (Kuenselphodrang)	...	...	1	1	1
Agro-forestry Project (Samazingkha)	...	...	1	1	1
Royal Tree Nursery (Samteling)	...	...	1	1	1
Percent of Forest cover	70.46	70.46	71.00	71.00	71.00
Percent of Protected Area Network	51.40	51.40	51.44	51.44	51.44

Source: FIMS, DoA, DoFPS, MoAF, Thimphu.

Table 5.2: Area by Altitude Zones as Sq.km of Total by Dzongkhag, Bhutan, 2018

Dzongkhag	Altitude Zones (metres)												
	Area	< 600	600-1200	1200-1800	1800-2400	2400-3000	3000-3600	3600-4200	4200-4800	4800-5400	5400-6000	6000-6600	> 6600
Bumthang	0.00	0.00	0.00	0.00	8.77	276.81	703.73	689.37	513.45	460.29	51.67	4.04	0.19
Chhukha	4.80	122.32	329.33	398.78	388.96	358.53	220.52	55.95	0.38	0.00	0.00	0.00	0.00
Dagana	12.37	250.30	326.14	326.42	329.98	286.70	120.91	63.82	17.64	0.00	0.00	0.00	0.00
Gasa	0.00	0.00	0.00	1.76	32.59	101.10	201.08	488.36	961.36	985.59	277.97	39.17	12.02
Haa	0.00	0.83	40.83	126.68	197.41	341.33	410.98	452.47	273.28	40.99	0.42	0.00	0.00
Lhuentse	0.00	0.00	24.26	191.20	406.93	560.21	482.02	449.68	461.57	233.18	28.33	0.67	0.00
Monggar	1.65	43.44	338.08	523.81	456.84	323.28	220.71	38.10	0.00	0.00	0.00	0.00	0.00
Paro	0.00	0.00	0.00	0.00	72.63	314.32	316.77	242.98	279.28	51.94	0.20	0.00	0.00
Pema Gatshel	11.20	208.99	429.71	288.07	91.83	3.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Punakha	0.00	0.00	0.15	191.89	301.22	257.36	168.87	128.90	60.45	0.73	0.00	0.00	0.00
Samdrup Jongkhar	18.23	399.98	432.23	482.48	334.94	155.88	60.58	8.90	0.32	0.00	0.00	0.00	0.00
Samtse	14.98	240.24	363.43	300.37	223.56	120.33	24.48	8.58	0.40	0.00	0.00	0.00	0.00
Sarpang	21.67	407.60	418.75	407.27	325.17	68.95	19.45	7.60	0.00	0.00	0.00	0.00	0.00
Thimphu	0.00	0.00	0.00	0.00	43.53	262.65	345.31	348.15	528.72	218.27	30.67	4.58	0.15
Trashigang	0.01	3.90	98.87	320.04	473.90	477.35	404.19	359.16	56.07	0.00	0.00	0.00	0.00
Trashi Yangtse	0.00	0.00	33.37	95.86	233.04	330.96	270.87	228.45	196.91	45.93	3.15	0.00	0.00
Trongsa	0.00	0.11	44.46	180.67	341.84	530.40	391.53	226.76	95.59	2.36	0.00	0.00	0.00
Tsirang	4.45	56.02	202.89	191.82	119.50	43.26	20.01	4.34	0.00	0.00	0.00	0.00	0.00
Wangdue Phodrang	0.03	2.80	122.71	355.80	538.00	727.95	783.88	500.52	492.98	455.97	49.71	4.41	0.42
Zhemgang	8.33	267.91	711.41	653.68	404.74	207.20	113.19	42.90	15.46	0.00	0.00	0.00	0.00
Bhutan	**97.72**	**2004.44**	**3916.62**	**5036.60**	**5325.38**	**5748.08**	**5279.08**	**4344.99**	**3953.86**	**2495.25**	**442.12**	**52.87**	**12.78**

Source: RNR Statistics Division, MoAF, Thimphu.

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

Dzongkhag	Altitude Zones (metres)				
	Area	< 600	1200-1800	1800-2400	2400-3000
Bumthang	0.00	0.00	0.00	0.02	0.51
Chhukha	0.23	0.82	1.04	0.99	0.96
Dagana	0.55	0.84	0.85	0.85	0.80
Gasa	0.00	0.00	0.01	0.08	0.25
Haa	0.00	0.08	0.30	0.50	0.81
Lhuentse	0.00	0.04	0.41	1.01	1.41
Monggar	0.08	0.77	1.33	1.26	0.85
Paro	0.00	0.00	0.00	0.14	0.77
Pema Gatshel	0.29	1.03	0.94	0.34	0.03
Punakha	0.00	0.00	0.38	0.80	0.73
Samdrup Jongkhar	0.88	1.17	1.23	0.90	0.46
Samtse	0.51	0.97	0.82	0.59	0.37
Sarpang	0.93	1.13	1.04	0.88	0.24
Thimphu	0.00	0.00	0.00	0.07	0.69
Trashigang	0.00	0.24	0.80	1.26	1.21
Trashi Yangtse	0.00	0.07	0.22	0.57	0.87
Trongsa	0.00	0.08	0.42	0.84	1.34
Tsirang	0.07	0.47	0.56	0.34	0.15
Wangdue Phodrang	0.00	0.26	0.81	1.36	1.76
Zhemgang	0.52	1.72	1.80	1.11	0.59
Bhutan	**4.08**	**9.70**	**12.94**	**13.92**	**14.78**

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

	3000-3600	3600-4200	4200-4800	4800-5400	> 5400	Total
	1.76	1.86	1.37	1.35	0.14	7.01
	0.64	0.20	0.01	0.00	0.00	4.89
	0.37	0.17	0.04	0.00	0.00	4.48
	0.48	1.08	2.31	3.03	0.84	8.07
	1.04	1.16	0.80	0.15	0.00	4.86
	1.31	1.13	1.18	0.77	0.07	7.33
	0.62	0.12	0.00	0.00	0.00	5.02
	0.85	0.61	0.72	0.19	0.00	3.28
	0.00	0.00	0.00	0.00	0.00	2.63
	0.47	0.34	0.19	0.01	0.00	2.90
	0.17	0.03	0.00	0.00	0.00	4.85
	0.09	0.03	0.00	0.00	0.00	3.38
	0.06	0.02	0.00	0.00	0.00	4.29
	1.05	0.90	1.14	0.63	0.08	4.57
	1.05	0.91	0.27	0.00	0.00	5.73
	0.74	0.59	0.54	0.17	0.01	3.80
	1.14	0.60	0.34	0.01	0.00	4.76
	0.06	0.01	0.00	0.00	0.00	1.65
	2.07	1.35	1.19	1.32	0.12	10.25
	0.34	0.13	0.04	0.00	0.00	6.25
	14.29	**11.23**	**10.16**	**7.64**	**1.27**	**100**

Table 5.4: Distribution of Plant Protection Chemicals by Dzongkhag, Bhutan, (2013/14-2018)

kg / Litres

Dzongkhag	2013/2014	2014/2015	2015/2016	2017	2018
Bumthang	442	571	617	686	668
Chhukha	210	6,953	12,663	5,487	10,788
Dagana	653	9,153	101	5,192	5,049
Gasa	...	...	...	...	...
Haa	731	567	5,930	5,968	5,735
Lhuentse	121	14,543	25,010	5,013	14,061
Monggar	1,262	10,498	10,005	6,853	7,502
Paro	6,945	185,173	137,784	143,632	169,276
Pema Gatshel	50	0	0	15	0
Punakha	171	70,199	64,376	65,300	90,224
Samdrup Jongkhar	0	0	0	0	0
Samtse	109	4,141	5,009	5,022	7,302
Sarpang	270	5,214	12,439	15,534	10,566
Thimphu	6,907	42,260	34,014	31,466	42,292
Trashigang	1,054	21,021	30,684	608	27,062
Trashi Yangtse	473	76,601	53,459	44,200	46,155
Trongsa	166	17,199	15,241	15,376	16,273
Tsirang	188	19,387	8,672	9,626	11,266
Wangdue Phodrang	4,824	55,690	57,291	54,757	44,360
Zhemgang	0	5,053	103	28	0
Bhutan	**24,576**	**544,224**	**473,398**	**414,763**	**508,578**

Source: RNR Statistics Division, Directorate Services, MoAF

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

Dzongkhag	Wet land	Dry land	Apple Orchard	Citrus Orchard	Acrecanut Plantation	Cardamom Plantation	Other Horticulture
Bumthang	24.7	2,883.8	12.0	0	0	0	0
Chhukha	1,799.2	5,119.2	53.0	1,308.0	180.0	782.0	0
Dagana	1,492.8	4,588.4	0	1,341.0	115.0	0	0
Gasa	143.6	386.3	0	0	0	0	0
Haa	88.5	2,067.8	89.0	9.0	0	527.0	0
Lhuentse	1,575.6	4,328.7	0	1.0	0	0	0
Monggar	431.7	5,304.4	0	3.0	0	0	0
Paro	1,753.0	3,561.6	1,026.0	0	0	0	0
Pema Gatshel	302.3	4,333.4	0	620.0	0	0	0
Punakha	5,074.3	262.0	0	1.0	0	0	16.0
Samdrup Jongkhar	1,147.7	6,732.4	0	232.0	17.0	0	0
Samtse	5,682.4	8,150.5	0	894.0	348.0	2,291.0	0
Sarpang	2,087.6	3,472.7	0	553.0	540.0	0	0
Thimphu	458.3	913.6	902.0	0	0	0	0
Trashigang	1,448.5	4,974.4	0	0	0	0	0
Trashi Yangtse	949.3	2,110.6	0	0	0	0	0
Trongsa	1,082.3	1,204.9	0	0	0	0	0
Tsirang	1,527.1	2,867.4	0	314.0	0	0	0
Wangdue Phodrang	4,202.3	1,742.0	0	0	0	0	0
Zhemgang	639.6	3,250.7	0	211.0	0	0	0
Bhutan	**31,910.8**	**68,254.8**	**2,082.0**	**5,487.0**	**1,200.0**	**3,600.0**	**16.0**

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

Table 5.6: Cultivated Area, Production and Yield of Major Crops by Dzongkhag, Bhutan, 2017

Dzongkhag	Wheat			Barley			Paddy		
	Area (Acres)	Production (MT)	Yield (Kg/ Acre)	Area (Acres)	Production (MT)	Yield (Kg/ Acre)	Area (Acres)	Production (MT)	
Bumthang	802	682	648	331	302	912	160	266	
Chhukha	210	246	1,171	167	75	446	2,333	2,400	
Dagana	62	33	538	15	9	641	3,906	5,404	
Gasa	58	50	864	232	250	1,079	137	306	
Haa	418	155	500	22	8	352	179	224	
Lhuentse	20	19	836	9	6	720	2,173	3,964	
Monggar	100	78	780	1,867	882	472	1,076	1,231	
Paro	490	334	765	78	48	613	3,459	8,647	
Pema Gatshel	37	31	668	11	6	526	28	41	
Punakha	543	436	803	42	10	239	7,339	14,361	
Samdrup Jongkhar	38	65	763	68	17	248	2,368	3,739	
Samtse	223	130	583	4	2	515	6,104	9,003	
Sarpang	89	65	774	2	0.3	199	4,255	6,000	
Thimphu	389	316	813	22	13	607	592	1,491	
Trashigang	167	147	880	71	58	811	3,671	5,882	
Trashi Yangtse	64	33	624	1	0	121	2,301	4,118	
Trongsa	473	288	617	296	220	742	1,738	3,887	
Tsirang	48	17	359	6	3	430	3,265	4,930	
Wangdue Phodrang	943	624	709	169	93	552	5,070	8,836	
Zhemgang	84	85	952	7	3	416	1,214	1,656	
Bhutan	**5,258**	**3,834**	**729**	**3,420**	**2,006**	**586**	**51,368**	**86,386**	

Note: The data for the year 2018 is not avaliable from the source at this point of time.

Source: RNR Statistics Division, Directorate Services, 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)
1,574	...	...	...	1,160	843	726	...	...	...
1,029	3,115	4,012	1,288	529	251	475	447	128	286
1,383	6,754	6,724	996	310	250	807	454	447	984
2,286	1	2	1,538	...	...	...	...	...	...
1,270	166	145	878	423	193	455	52	24	468
1,824	2,641	3,949	1,495	10	5	506	74	41	550
1,144	11,503	15,871	1,380	266	73	276	22	11	512
2,500	24	15	615	106	50	474	9	4	453
1,464	3,964	4,361	1,100	265	62	233	247	83	336
1,957	162	318	1,966	99	73	739	2	0	195
1,579	8,221	9,195	1,118	304	465	1,527	176	88	497
1,475	5,195	8,588	1,653	216	91	420	613	255	416
1,410	4,008	2,932	732	166	66	396	656	276	421
2,331	8	23	2,986	1	0	161	1	0	277
1,602	6,997	15,559	2,224	270	99	366	48	19	391
1,790	2,165	4,015	1,854	150	79	527	305	173	566
2,237	825	1,504	1,822	671	415	618	25	9	363
1,510	2,545	7,100	2,790	114	33	291	331	126	379
1,833	285	455	1,596	349	207	594	8	6	733
1,364	7,464	9,283	1,244	406	225	554	153	49	318
1,682	**66,043**	**94,051**	**1,424**	**5,815**	**3,480**	**598**	**3,623**	**1,739**	**480**

Table 5.7: Number of Livestock by Type and Dzongkhag, Bhutan, (2016-2018)

Dzongkhag	Local Cattle			Improved Cattle		
	2016	2017	2018	2016	2017	2018
Bumthang	4,276	4,407	4,194	6,094	6,904	6681
Chhukha	14,570	13,226	14,181	5,170	5,794	6489
Dagana	14,326	14,540	14,140	4,053	4,313	4557
Gasa	487	437	371	638	726	738
Haa	5,570	5,517	5,779	3,549	3,515	3760
Lhuentse	9,851	10,083	9,881	3,081	3,385	3529
Monggar	17,547	17,698	16,895	8,231	9,084	9716
Paro	7,151	7,326	7,205	5,960	6,793	6110
Pema Gatshel	2,139	2,073	1,972	5,489	6,799	6279
Punakha	7,967	7,776	7,811	3,482	3,269	3662
Samdrup Jongkhar	8,476	8,170	7,103	6,299	5,637	7448
Samtse	32,939	24,246	23,300	6,397	7,211	7711
Sarpang	12,899	14,061	13,093	7,511	8,789	9572
Thimphu	1,827	1,998	1,134	2,951	3,013	2560
Trashigang	18,852	16,823	15,473	8,392	8,907	9067
Trashi Yangtse	8,071	7,661	6,776	3,634	4,000	3785
Trongsa	6,582	7,615	7,167	3,703	3,968	3893
Tsirang	4,966	4,613	4,179	6,906	6,722	7210
Wangdue Phodrang	16,339	17,171	17,023	5,574	6,135	6681
Zhemgang	8,359	9,226	8,276	2,430	2,884	2736
Livestock Government Farms	0	302	315	0	433	464
Bhutan	**203,194**	**194,969**	**185,953**	**99,544**	**108,281**	**112648**

	Mithun			Yak			Buffalo		
	2016	**2017**	**2018**	**2016**	**2017**	**2018**	**2016**	**2017**	**2018**
	4	7	5	3,660	3,917	3771	0	0	0
	21	29	30	0	0	0	2	10	2
	3	13	3	29	0	0	29	40	19
	0	0	0	6,553	6,527	6481	0	0	0
	0	0	2	4,771	5,095	4915	0	0	0
	12	16	20	368	335	273	0	0	0
	19	23	25	0	0	0	0	0	0
	6	5	6	3,186	3,332	3713	0	0	0
	5	3	4	0	0	0	0	0	0
	3	4	3	0	0	0	0	0	0
	40	50	21	13	3	0	10	12	9
	13	31	10	0	0	0	308	279	289
	4	50	5	0	0	0	41	73	57
	2	0	0	10,331	10,768	10657	0	0	0
	57	37	35	15,964	6,483	6670	0	0	0
	9	14	11	831	727	706	0	0	0
	4	4	5	284	226	305	0	0	0
	1	1	1	0	0	0	142	136	155
	12	13	13	3,595	4,115	3972	0	0	0
	173	12	19	0	0	0	0	0	0
	189	190	200	0	0	0	0	0	
	577	**502**	**418**	**49,585**	**41,528**	**41,463**	**532**	**550**	**531**

cont...

Table 5.7 cont...

Dzongkhag	Zo/Zom			Horse/Equine			Sheep		
	2016	2017	2018	2016	2017	2018	2016	2017	
Bumthang	47	80	38	909	924	944	258	127	
Chhukha	61	0	0	461	419	396	633	594	
Dagana	0	0	0	342	344	290	118	110	
Gasa	0	12	0	2,186	2,156	2,259	0	0	
Haa	0	0	0	1,182	1,077	939	1	0	
Lhuentse	80	91	89	1,250	1,236	1,193	65	62	
Monggar	0	0	0	1,382	1,094	820	4	3	
Paro	0	0	0	1,653	1,757	1,465	13	10	
Pema Gatshel	0	0	0	396	321	253	0	0	
Punakha	0	0	0	411	389	398	118	146	
Samdrup Jongkhar	10	12	14	699	593	451	37	28	
Samtse	0	0	0	314	355	341	4,340	4,720	
Sarpang	0	0	0	450	482	429	554	638	
Thimphu	0	0	0	1,586	1,675	1,795	4	1	
Trashigang	8,981	8,611	9,440	2,579	2,475	2,151	3,094	2,193	
Trashi Yangtse	0	0	0	1,166	1,046	853	2	55	
Trongsa	0	0	0	189	216	211	107	132	
Tsirang	0	0	0	95	83	61	169	146	
Wangdue Phodrang	0	0	0	579	572	559	1,349	948	
Zhemgang	0	0	0	975	936	892	0	0	
Livestock Government Farms	0	0		86	61	120	411	531	
Bhutan	**9,179**	**8,806**	**9,581**	**18,890**	**18,211**	**16,820**	**11,277**	**10,444**	

Source: Livestock Statistics 2018, Department of Livestock, MoAF.

	Goats			Pigs			Poultry		
2018	2016	2017	2018	2016	2017	2018	2016	2017	2018
248	6	9	150	80	52	60	2,453	5,557	13,243
739	4,577	4,431	5,240	1,072	1,181	2,033	43,965	140,530	72,163
72	7,776	8,355	8407	2,015	2,528	2,548	36,257	32,358	45,310
0	2	2	3	0	0	0	2,150	2,247	2,271
0	31	39	37	119	88	75	10,125	8,820	9,204
37	89	27	55	183	185	177	13,413	19,987	24,343
26	48	45	122	500	285	257	32,469	37,865	40,451
15	46	51	36	298	490	478	23,597	24,369	30,154
0	26	34	32	501	523	445	18,847	23,718	21,864
257	235	208	241	241	218	178	13,508	10,563	13,204
27	1,327	1,902	1,778	339	375	252	34,968	37,170	30,136
5,150	12,641	13,387	14,198	1,454	1,724	1,939	67,585	1,01,773	119,516
701	4,115	4,813	4,395	3,771	3,710	4,277	331,320	345,573	305,576
20	56	81	30	71	174	182	63,058	35,618	49,910
2,121	241	286	244	372	285	288	21,745	20,049	21,895
2	117	308	56	225	146	136	17,257	15,838	15,425
124	62	92	103	10	38	1	12,131	7,222	7,153
131	7,690	8,344	8,360	1,912	2,325	2,657	231,748	145,225	170,453
847	243	88	220	529	860	1,175	17,219	26,050	33,641
0	34	37	45	652	1,057	614	17,272	27,168	18,339
269	151	150	87	980	2,571	4,038	27,466	50,478	55,242
10,786	**39,513**	**42,689**	**43,839**	**15,324**	**18,815**	**21,810**	**1,038,553**	**1,118,178**	**1,099,493**

Table 5.8: Diary & Livestock Production by Type and Dzongkhag, Bhutan, (2016-2018)

Dzongkhag	Milk (MT)			Butter (MT)		
	2016	2017	2018	2016	2017	2018
Bumthang	2,624.6	2,720.8	...	98.3	196.6	...
Chhukha	2,276.3	2,436.2	...	72.4	67.8	...
Dagana	2,340.5	2,717.4	...	86.2	111.4	...
Gasa	536.0	546.5	...	26.8	28.9	...
Haa	2,066.0	2,301.0	...	59.4	66.2	...
Lhuentse	1,447.2	1,536.1	...	71.7	75.8	...
Monggar	4,323.1	4,565.2	...	174.5	213.7	...
Paro	2,455.9	3,288.1	...	94.8	112.7	...
Pema Gatshel	1,686.2	1,725.8	...	72.3	79.3	...
Punakha	1,220.3	1,251.9	...	47.7	53.9	...
Samdrup Jongkhar	2,632.5	2,661.2	...	72.5	65.9	...
Samtse	3,560.0	3,750.8	...	102.5	126.5	...
Sarpang	2,292.7	2,670.7	...	66.9	88.2	...
Thimphu	1,786.8	1,784.3	...	59.4	58.4	...
Trashigang	6,710.1	6,098.2	...	222.9	273.5	...
Trashi Yangtse	1,805.4	2,005.1	...	88.1	99.0	...
Trongsa	1,192.4	1,421.9	...	54.5	65.4	...
Tsirang	2,394.9	2,059.4	...	869.5	76.7	...
Wangdue Phodrang	2,481.2	2,814.0	...	120.1	133.3	...
Zhemgang	1,254.7	1,659.2	...	32.9	59.5	...
Livestok Govt. Farms	0.0	236.9	...	0.0	0.0	...
Bhutan	**47,086.6**	**50,250.5**	**...**	**2,493.3**	**2,052.9**	**...**

	Cheese (MT)			Beef (MT)			Pork (MT)		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	204.8	474.9	...	30.5	27.8	...	6.2	4.3	...
	117.1	115.7	...	13.2	17.5	...	31.7	39.6	...
	80.8	111.4	...	53.5	32.9	...	60.4	79.6	...
	29.4	33.3	...	0.0	2.5	...	0.0	0.0	...
	86.2	96.5	...	4.2	32.1	...	4.2	5.4	...
	128.2	134.6	...	10.9	59.3	...	10.9	11.3	...
	607.0	631.2	...	38.0	68.0	...	38.0	27.9	...
	141.6	177.8	...	25.0	9.5	...	25.0	52.5	...
	130.0	142.6	...	22.0	7.2	...	22.0	26.9	...
	76.3	93.0	...	10.1	7.9	...	10.1	10.1	...
	130.4	105.3	...	20.4	48.0	...	20.4	38.2	...
	371.1	332.0	...	60.2	41.5	...	60.2	80.4	...
	120.5	141.5	...	249.9	6.9	...	249.9	283.7	...
	144.7	213.1	...	3.2	96.8	...	3.2	4.3	...
	429.2	525.9	...	16.0	34.7	...	16.0	14.3	...
	157.9	178.2	...	3.7	51.3	...	3.7	8.3	...
	297.8	311.4	...	2.7	67.8	...	2.7	2.4	...
	153.9	160.0	...	80.9	4.0	...	80.9	89.5	...
	208.3	230.4	...	40.2	19.5	...	40.2	64.3	...
	52.0	89.2	...	43.9	0.0	...	43.9	75.9	...
	0.0	0.0	...	0.0	0.0	...	0.0	81.0	...
	3,667.0	**4,298.0**	**...**	**728.6**	**635.0**	**...**	**729.6**	**1,000.0**	**...**

cont...

Table 5.8cont...

Dzongkhag	Mutton(MT)			Chicken(MT)		
	2016	2017	2018	2016	2017	2018
Bumthang	0.0	0.0	...	0.0	0.0	...
Chhukha	12.5	12.0	...	175.5	262.9	...
Dagana	29.7	36.1	...	96.1	97.2	...
Gasa	0.0	0.0	...	0.0	0.0	...
Haa	0.1	0.1	...	1.1	2.5	...
Lhuentse	0.0	0.0	...	0.0	0.0	...
Monggar	0.0	0.0	...	0.0	0.1	...
Paro	0.0	0.0	...	0.1	0.4	...
Pema Gatshel	0.0	0.0	...	0.1	0.1	...
Punakha	0.3	0.4	...	1.1	0.7	...
Samdrup Jongkhar	10.6	8.7	...	31.7	52.0	...
Samtse	57.9	50.0	...	260.9	318.9	...
Sarpang	45.0	51.8	...	319.0	345.2	...
Thimphu	0.0	0.0	...	16.7	16.3	...
Trashigang	0.0	0.0	...	0.0	0.0	...
Trashi Yangtse	0.0	0.0	...	0.0	0.0	...
Trongsa	0.0	0.7	...	3.5	4.7	...
Tsirang	34.6	34.8	...	286.5	184.3	...
Wangdue Phodrang	0.4	0.0	...	14.0	22.6	...
Zhemgang	0.1	0.0	...	2.7	40.7	...
Livestok Govt. Farms	0.0	0.0	...	0.0	0.0	...
Bhutan	**191.2**	**194.5**	**...**	**1,209.2**	**1,348.8**	**...**

Note: The data for the year 2018 is not avaliable from the source at this point of time.
Source: Department of Livestock, MoAF.

	Fish (MT)			Eggs (000'nos)			Honey(MT)		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	0.0	0.0	...	377.6	1,088.7	...	22.0	23.5	...
	0.4	1.0	...	4,525.9	3,964.4	...	1.9	2.2	...
	13.4	21.7	...	1,898.9	2,200.1	...	2.2	3.5	...
	0.0	0.0	...	499.1	466.2	...	0.0	0.0	...
	0.0	4.5	...	1,948.7	1,917.6	...	0.0	0.1	...
	0.0	0.2	...	2,164.9	4,214.2	...	0.0	0.0	...
	3.8	4.3	...	5,253.6	7,660.0	...	0.0	0.0	...
	0.0	0.0	...	4,568.4	5,070.7	...	0.0	0.0	...
	1.0	1.7	...	2,563.2	3,271.3	...	0.0	0.0	...
	1.0	1.7	...	1,912.8	1,913.3	...	0.1	0.1	...
	49.2	69.8	...	4,358.7	4,781.4	...	0.3	0.5	...
	11.8	31.4	...	3,122.2	4,355.3	...	3.2	4.3	...
	48.1	49.6	...	25,634.8	26,559.5	...	9.6	10.3	...
	0.0	0.0	...	11,943.2	8,931.4	...	0.0	0.0	...
	0.0	0.0	...	3,081.7	3,673.4	...	0.0	0.0	...
	0.0	0.0	...	4,059.4	3,662.1	...	0.0	0.0	...
	0.0	0.0	...	1,501.4	1,590.1	...	0.0	0.0	...
	9.9	6.1	...	18,546.9	19,007.8	...	2.6	3.1	...
	0.5	0.4	...	2,964.7	3,299.0	...	0.1	0.7	...
	11.1	7.7	...	3,223.4	5,458.3	...	0.0	0.0	...
	0.0	22.6	...	0.0	3,622.4	...	0.0	0.0	...
	150.5	**222.5**	**...**	**104,149.4**	**116,707.1**	**...**	**41.9**	**48.3**	**...**

Table 5.9: Fruit Production and Yield, Bhutan, (2014-2018)

Fruits	Production (MT)					Yield (kgs/Bearing Tree)				
	2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
Apple	7,051	5,308	6,587	8,039	...	...	...	33	31	...
Mandarin	45,226	15,977	42,700	28,017	...	...	...	48	32	...
Areca nut	7,468	9,406	9,467	9,342	...	...	...	13	10	...
Banana	1,631	2,636	3,076	3,113	...	...	...	29	19	...
Mango	586	651	644	530	...	...	...	27	31	...
Guava	787	588	665	1,084	...	...	...	25	30	...
Peach	1,435	738	972	1,124	...	...	...	54	43	...
Pear	1,137	867	852	1,510	...	...	...	58	62	...
Plum	738	385	376	482	...	...	...	42	50	...
Jackfruit	1,102	1,227	775	528	...	...	...	143	171	...
Papaya	126	214	282	278	...	...	...	47	35	...
Pomegranate	111	63	83	74	...	...	...	19	16	...
Persimmon	227	137	49	152	...	...	...	31	35	...
Sugarcane	324	508	345	...	...	...	...	...	...	...
Passion fruit	135	66	120	94	...	...	...	...	...	...
Pine apple	54	64	67	72	...	...	...	...	...	...
Litchi	172	160	134	313	...	...	...	24	30	...
Walnut	337	211	152	239	...	...	...	21	22	...
Date Plum (Gendum)	...	...	82	23	...	...	...	41	20	...

Note: The data for the year 2018 is not avaliable from the source at this point of time.
Source: RNR Statistics Division, Directorate Services, MoAF

Table 5.10: Vegetables, Oilseeds, Spices and Pulses Production, Bhutan, (2014-2018)

Details	2014	2015	2016	2017	2018
Potato	53,612	49,359	58,820	57,223	...
Chili	8,586	7,073	9,907	13,606	...
Tomato	899	627	455	383	...
Cabbage	4,364	5,209	6,685	10,562	...
Cauliflower	1,650	1,586	2,082	3,575	...
Broccoli	1,010	831	1,004	1,371	...
Asparagus	205	200	239	79	...
Carrot	746	1,094	1,276	787	...
Pumpkin	4,081	3,746	3,671	3,171	...
Radish	5,021	5,840	6,490	6,307	...
Turnip	9,967	10,423	10,499	13,051	...
Beans	2,830	3,612	4,409	5,273	...
Rajma Beans	...	...	...	932	...
Peas	970	1,218	1,014	859	...
Lady Finger	28	53	42	26	...
Green leaves	1,938	2,871	1,937	4,153	...
Egg plant	485	694	585	643	...
Garlic	846	899	1,176	708	...
Cucumber	2,484	1,697	1,194	1,948	...
Squash	2,118	2,609	2,626	1,755	...
Gourds	270	341	125	278	...
Dally chilli	...	100	112	...	...
Tree Tomato	424	341	275	404	...
Cultivated Mushroom	17	19	82	122	...
Cardamom	...	...	...	2,245	...
Ginger	...	...	...	7,859	...
Onion Bulb	757	608	414	489	...
Mustard	...	...	...	969	...
Soybean	...	...	...	204	...

Note: The data for the year 2018 is not avaliable from the source at this point of time.
Source: RNR Statistics Division, Directorate Services, MoAF

Table 5.11: Volume and Value of Exports by Major Commodities, Bhutan, (2014-2018)

Category	Commodity Name	Volume (MT)					Value (Nu. million)				
		2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
Cereals	Rice in the husk	-	1	4	-	2	-	0	0	-	0
	Red Rice	7	1	1	3	-	1	0	0	0	-
	Buckwheat	1	2	6	-	-	0	0	0	-	-
	Wheat & Meslin flour	5,728	4,324	-	511	858	112	81	-	10	20
Oil seeds	Soya bean	-	5	2	41	7	-	0	0	1	0
	Mustard	20	10	2	3	3	0	0	0	0	0
Vegetables	Potato	26,849	19,908	24,460	24,045	24,983	689	371	543	459	511
Fruits	Oranges	21,148	17,820	15,546	16,141	11,087	543	468	439	478	355
	Apples	5,437	3,488	3,790	2,659	1,293	139	102	128	69	34
Vegetables	Cauliflower & broccoli	12	1,013	1,382	34	2	0	22	12	1	0
	Cabbage lettuce	1,557	1,194	1,545	2,096	1,247	29	24	26	35	23
	Carrots and turnips	444	551	696	696	386	15	17	23	19	11
	Peas	122	115	69	94	47	4	3	2	3	2
	Beans	25	7	20	15	17	1	0	1	0	1
	Asparagus (kg)	125	276	-	45	2	0	0	-	0	0
	Chillies	31	16	17	18	21	1	1	1	1	1
	Lentils	136	118	82	95	112	8	8	6	6	7
Betel nuts	Betel nuts, in shell	454	1,458	7,720	5,714	6,511	70	85	83	106	121
	Betel nuts, shelled	16	64	31	77	45	0	1	1	1	1
Spices	Cardamom	746	846	1,289	2,031	1,698	789	941	1,342	1,330	929
NWFP	Chirata	2	2	0	0	0	0	0.09	-	-	0
	Cordyceps (kg)	652.71	891.76	898.8	408.016	475.63	371.35	194.41	141.178	184.426	211.2
	Cordyceps sinensis (kg)	13	0	2	0	0	5	0	1	4	0
	Poe (kg)	3,136	6,115	5,057	5,233	3,106	2	4	6	7	6
	Matsutake (kg)	3,087	2,976	3,978	3,921	5,057	11	12	19	19	28
	Rubia cordifoia	39	48	77	136	89	1	1	2	3	2

Source: RNR Statistics Division, Directorate Services, MoAF

Table 5.12: Volume and Value of Imports by Major Commodities, Bhutan, (2014-2018)

Category	Commodity Name	Volume (MT)					Value (Nu. In million)				
		2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
Cereals	Red rice	-	-	0.3	2.3	8.3	-	-	0.0	0.0	0.3
	Semi-milled rice	24,182.3	52,851.8	64,309.3	62,069.5	60,267.8	518.4	1,126.1	1,537.1	1,677.4	1,689.1
	Rice in the husk	190.3	199.0	77.5	539.0	76.7	4.0	2.8	1.0	8.8	1.0
	Husked (brown) rice	44,975.2	11,787.9	12.6	34.8	13.7	1,101.3	250.0	0.3	0.8	0.4
	Broken Rice	10,027.7	18,807.4	23,271.5	15,804.1	11,144.3	164.1	289.0	385.3	292.7	193.3
	Wheat seed	26.7	7.3	27.9	1.3	-	0.9	0.1	0.2	0.0	-
	Wheat other	14,255.0	11,074.7	5,024.9	3,365.7	3,042.2	243.0	186.7	95.5	63.0	56.7
	Wheat & Meslin flour	13.4	10.5	16.7	21.6	36.5	1.6	0.8	1.0	1.3	1.3
	Meslin other	175.6	273.0	34.1	45.4	24.4	5.2	4.4	2.0	2.9	0.5
	Rye	12.9	4.8	10.7	1.8	2.5	0.1	0.2	0.4	0.1	0.1
	Barley	-	61.4	1.5	0.0	0.0	-	1.0	0.1	0.0	0.0
	Oats other	0.2	0.5	0.9	0.6	0.1	0.0	0.1	0.1	0.1	0.0
	Oats seed	-	-	0.1	0.0	0.1	-	-	0.0	0.0	0.0
	Maize (corn) seed	722.1	16.3	57.2	14.5	45.2	10.0	0.3	4.6	0.5	2.7
	Maize others	18,808.1	9,217.9	19,063.2	24,076.3	21,718.8	239.3	129.2	301.9	343.9	302.8
	Maize(corn)flour	2.1	2.4	2.6	1.9	0.2	0.2	0.1	0.1	0.2	0.1
	Maize other flours	2.5	7.0	4.7	1.5	0.1	0.3	0.3	0.3	0.2	0.1
	Buckwheat	5.7	34.0	2.3	10.4	1.2	0.1	0.6	0.1	0.3	0.0
	Buckwheat other	307.9	360.1	307.6	114.9	112.4	5.6	5.8	5.6	2.8	2.3
	Soya bean	0.4	1.6	1.0	-	0.4	0.0	0.1	0.1	-	0.1
	Other cereals	25.8	50.6	47.1	7.8	39.6	0.5	1.0	2.6	2.3	0.8
Edible Oil	Olive oil	28.6	22.6	27.2	12.2	35.9	4.0	2.3	5.1	2.7	5.9
	Olive (crude)	0.1	-	0.2	0.8	0.6	0.0	-	0.1	0.9	0.3
	Soya bean oil	14,140.2	12,648.1	10,291.9	10,898.8	9,778.3	668.2	660.3	729.5	932.3	811.8

cont...

Table 5.12 cont...

Category	Commodity Name	Volume (MT)					Value (Nu. In million)				
		2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
Edible Oil	Palm oil	2.0	73.0	109.4	0.4	56.5	0.1	11.9	7.2	0.0	4.1
	Bleached palm	90.1	8.5	3.5	-	3.2	5.4	0.5	0.2	-	0.3
	Refined bleached de-odorised palm oil	127.4	-	0.0	-	2,899.8	10.2	-	0.0	-	143.7
	Ref. bleached palm olein	0.5	1.9	0.1	1.1	0.3	0.2	0.3	0.2	0.2	0.5
	Other palm oil	0.2	19.1	3.5	1.6	1.5	0.0	1.0	0.2	0.1	0.1
	Sunflower oil	221.8	231.6	255.9	146.4	169.0	16.2	17.9	20.8	13.0	12.4
	Safflower oil	0.3	-	3.5	1.5	0.2	0.2	-	0.3	73.8	0.0
	Coconut oil	3.0	-	0.5	1.6	2.7	0.4	-	0.1	0.3	0.5
	Rape/ babassu oil	1,193.4	1,098.9	841.2	0.7	636.3	101.8	93.9	73.0	60.7	55.7
	Colza/mustard (oil & crude)	0.0	-	0.1	0.0	0.0	0.0	-	0.0	0.0	0.0
	Mustard oil	147.3	147.2	41.8	50.4	68.4	11.9	13.1	3.7	3.8	6.9
Oil Seeds	Soya bean (seed/other)	-	-	0.0	0.1	0.0	-	-	0.0	0.0	0.0
	Ground nut (in shell)	54.9	20.9	11.2	9.1	6.6	5.4	2.5	1.5	1.1	0.7
	Ground nut shelled	15.2	14.5	15.4	18.0	19.8	1.5	1.8	1.6	2.1	2.5
	Ground nut oil	-	-	-	-	0.0	-	-	-	-	0.0
	Safflower/cotton-seed oil	0.0	-	-	0.3	0.1	0.1	-	-	0.0	0.0
	Ground nut seed	-	-	0.1	0.1	0.1	-	-	0.0	0.0	0.0
	Sesamum seed	-	0.0	0.0	0.0	0.1	-	0.0	0.0	0.0	0.0
	Sunflower seed	0.0	0.1	0.2	0.3	0.1	0.0	0.0	0.0	0.1	0.1
	Linseed	-	-	0.0	-	0.0	-	-	0.0	-	0.0

cont...

Table 5.12 cont...

Category	Commodity Name	Volume (MT)					Value (Nu. In million)				
		2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
Oil Seeds	Mustard seed	18.4	9.9	19.9	8.7	2.1	1.3	0.6	1.3	0.6	0.1
Salt	Common salt (iodised)	0.5	6.5	0.2	0.4	0.8	0.1	0.4	0.1	0.1	0.1
	Common salt (non-iodised)	-	-	-	0.0	-	-	-	-	0.0	-
Sugar	Beet sugar	1.9	94.1	28.1	1.5	67.6	0.1	0.3	1.1	0.1	2.3
	Natural honey	0.1	0.1	0.0	0.4	0.2	0.0	0.0	0.0	0.1	0.1
	Other cane sugar	9,390.9	9,356.1	9,524.4	10,833.0	9,841.4	317.9	278.1	374.0	449.1	353.4
Vegetables	Potatoes seed	8.1	15.6	0.9	44.2	7.4	0.1	0.2	0.0	0.4	0.6
	Potatoes	5,263.8	5,994.1	5,468.2	5,237.7	4,690.3	80.4	60.3	81.4	50.7	62.8
	Potatoes others	-	-	0.0	-	-	-	-	0.0	-	-
	Tomatoes	2,628.2	2,538.7	2,832.0	2,978.5	2,636.9	48.0	58.3	56.2	70.1	46.7
	Onion	-	-	-	0.0	0.0	-	-	-	0.0	0.0
	Onion & shallots	3,076.4	3,380.6	3,478.0	3,748.3	3,558.8	65.5	99.1	60.9	83.8	74.2
	Chickpea	-	66.0	-	66.0	66.0	-	4.3	-	6.2	6.2
	Garlic	27.4	36.9	37.3	61.4	49.1	2.5	3.7	3.9	4.3	2.6
	Dry mushroom	5.2	7.9	11.9	12.1	12.1	0.8	1.3	2.2	1.5	1.5
	Leeks & others	0.4	13.8	6.4	3.4	4.4	0.0	0.3	0.4	0.1	0.1
Fresh vegetables	Cauliflower & broccoli	1,225.9	1,219.2	767.5	13.5	19.3	16.6	17.0	11.5	0.2	0.3
	Cabbage lettuce	1,543.5	1,517.9	1,381.9	1,662.9	1,328.8	12.6	11.8	13.6	15.1	10.8
	Carrots and turnips	218.7	166.3	171.6	266.4	255.9	2.8	2.0	2.8	3.8	3.1
	Cucumber & gherkins	419.4	391.5	435.5	492.1	385.7	5.5	6.0	8.2	8.3	6.5
	Lemon	0.2	0.3	0.1	0.3	0.1	0.1	0.2	0.0	0.1	0.1
	Lentils	0.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0
	Peas	47.4	209.9	107.2	227.5	174.8	1.5	7.9	3.5	8.8	29.8

cont...

Table 5.12 cont...

Category	Commodity Name	Volume (MT)					Value (Nu. In million)				
		2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
Fresh vegetables	Beans	296.0	331.3	335.9	0.9	1.5	7.9	9.4	9.6	0.1	0.1
	Other leguminous vegetable	2,493.0	2,007.7	1,729.3	1,595.3	1,091.2	45.3	43.8	43.6	37.5	24.6
	Egg-plants	653.1	571.0	572.0	713.2	491.4	9.5	9.6	10.2	11.8	8.9
	Mushroom	5.0	11.1	26.5	129.0	181.3	0.5	0.1	1.8	8.8	13.1
	Capsicum	1.0	0.6	2.2	0.1	0.1	0.4	0.1	0.1	0.0	0.0
	Chilli	1,973.9	2,290.8	1,846.1	333.9	28.9	5.6	70.9	59.0	9.3	0.6
	Spinach	-	1.4	7.3	4.8	1.7	-	0.0	0.1	0.1	0.0
	Pumpkin/ squash	71.3	124.0	111.7	147.0	213.2	0.1	1.4	1.4	1.6	3.2
	Others	535.5	1,033.1	1,682.7	1,838.5	2,036.7	9.6	21.9	38.7	35.9	37.2
	Mixture of vegetable	0.0	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Fruits	Apple	0.1	0.3	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
	Apricot	0.1	0.1	0.0	-	0.1	0.2	0.1	0.0	-	0.0
	Avacado	0.1	-	0.1	0.1	0.1	0.1	-	0.1	0.2	0.2
	Banana	0.3	-	-	-	-	0.1	-	-	-	-
	Guava	-	-	0.0	0.0	0.1	-	-	0.0	0.0	0.1
	Mango	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
	Orange	0.0	0.0	-	0.0	-	0.0	-	-	0.0	-
	Papaya	0.8	0.0	-	0.0	0.1	0.1	0.1	-	0.0	0.0
	Pear	0.0	-	-	-	-	0.0	-	-	-	-
	Pineapple	0.5	0.1	-	-	0.0	0.1	0.0	-	-	0.0
	Others	7.2	11.8	0.2	12.7	8.6	0.6	1.0	0.1	0.8	0.5
Dried fruits	Grapes	0.0	0.7	0.7	1.0	0.9	0.0	0.2	0.2	0.2	0.2

cont...

Table 5.12 cont...

Category	Commodity Name	Volume (MT)					Value (Nu. In million)				
		2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
Dried fruits	Dates	-	0.0	0.1	0.0	6.0		0.0	0.1	0.0	0.2
	Prunes	0.0	0.1	0.0	-	0.0	0.0	0.0	0.0	-	0.0
	Mix nuts & fruits	15.8	107.3	19.3	19.2	15.2	3.7	6.8	5.3	4.4	2.4
	Other fruits	5.3	9.6	8.4	5.2	2.9	1.2	2.4	2.1	0.0	1.0
Spices	Chilli dry	372.9	358.7	365.2	543.0	323.4	28.4	37.9	43.9	38.3	29.6
	Chilli crush	54.6	40.5	41.7	33.5	49.2	7.4	6.3	7.5	5.2	6.2
	Cinnamon	0.2	0.7	0.6	0.8	0.1	0.1	0.1	0.1	0.1	0.1
	Clove	0.6	0.2	0.5	1.6		0.5	0.1	0.3	1.0	-
	Turmeric	28.3	32.0	14.4	16.3	12.0	4.1	4.7	2.4	2.9	1.9
	Mixtures	8.0	1.7	1.2	1.1	8.0	1.7	0.4	0.2	0.3	1.1
	Other spices	131.6	166.8	136.2	112.1	74.3	19.1	34.3	29.2	23.4	14.8
Tea & Coffee	Black tea (fermented)	3.9	0.3	1.0	0.6	0.4	0.6	0.6	1.0	5.4	0.4
	Green tea (not-fermented)	0.3	0.7	0.3	0.4	0.2	0.1	0.2	0.1	0.6	0.0
	Other green tea	2.5	4.6	2.8	16.2	7.7	0.8	1.6	1.2	28.1	3.4
Betel nuts and leaves	Betel nuts, in shell	165.5	32.3	31.8	12.5	14.5	1.1	0.8	0.7	0.6	1.5
	Betel nuts, shelled	1,122.8	135.0	187.2	15.2	191.9	28.3	8.1	10.2	2.3	18.4
	Betel leaves	881.0	861.4	671.0	667.2	615.2	59.9	61.8	56.0	58.8	48.4
Meat	Bovine meat	3,743.4	4,111.8	3,470.5	3,120.3	3,194.1	505.0	569.7	497.4	447.6	488.6
	Swine meat	2,163.9	2,242.3	1,880.0	1,869.8	1,755.0	314.1	328.0	292.5	276.8	274.7
	Chevon	35.5	27.8	30.2	34.2	30.9	11.3	10.4	10.4	11.0	13.7
	Chicken	1,302.3	1,369.4	1,474.5	1,584.5	1,575.1	166.1	173.7	185.2	205.1	200.1
Fish	Fresh fish	1,468.6	1,327.2	1,262.3	1,316.1	766.5	195.7	177.4	171.0	176.7	108.3
	Dry fish	1,633.7	1,129.2	811.0	183.4	366.2	1,951.7	132.8	103.9	24.8	55.0

cont...

Table 5.12 cont...

Category	Commodity Name	Volume (MT)					Value (Nu. In million)				
		2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
Dairy Products	Fresh milk	464.9	140.9	131.0	127.5	64.2	13.2	5.5	5.1	4.2	3.1
	Tetra pack	1,114.2	625.0	1,796.5	1,523.4	1,226.9	58.1	30.9	100.9	85.3	69.5
	Condensed milk	334.3	317.2	30.1	16.2	7.4	16.4	15.3	1.5	0.8	0.6
	Milk powder	1,840.8	2,009.8	2,221.9	1,574.7	792.2	542.3	579.0	598.3	445.4	167.5
	Butter, fresh	3.3	1.2	1.0	0.8	0.3	1.5	0.4	0.4	0.3	0.1
	Cheese, processed	1.5	0.9	0.5	0.6	0.6	2.4	1.4	1.0	0.6	0.6
	Butter, processed	235.7	213.8	200.5	206.5	661.6	59.6	61.7	63.0	67.9	61.9

Source: RNR Statistics Division, Directorate Services, MoAF

Table 5.13: Annual Average Price of Farm Products Received by Farmers, by Type, Bhutan, (2013-2017)

Category	Crop Name	Nu./Kg				
		2013	2014	2015	2016	2017
Cereals	Wheat	21	22	34	38	61
	Rice (Local)	41	34	35	55	…
	Maize	21	16	18	59	20
	Buckwheat	87	61	74	88	80
Pulses	Rajma Bean	44	49	56	62	86
	Mung Bean	60	65	75	101	94
	Dal	69	…	…	…	100
	Lentil	53	81	115	…	100
Oil Seeds	Mustard	29	42	51	47	29
	Sunflower	163	59	36	147	200
	Soya bean	42	49	119	53	54
	Groundnut	64	67	59	67	79
	Pyrilla (Nam)	116	120	135	135	69
Spices	Ginger	90	60	40	43	44
	Garlic	82	81	89	75	95
	Cardamoms	937	1270	1364	789	634
	Dolay Chilli	150	…	…	…	221
	Onions	44	50	41	…	61
Vegetables	Potatoes	24	25	20	24	25
	Tomatoes	50	50	36	42	44
	Carrots	47	50	35	39	41
	Cauliflower	39	37	37	49	65
	Cabbages	25	26	21	26	22
	Radish	14	14	13	19	21
	Turnip	20	21	18	35	25
	Lady Finger	27	30	27	31	…
	Broccoli	45	45	46	61	56
	Peas (Green)	40	46	38	42	46
	Beans (Green)	41	41	38	46	53
	Asparagus	49	50	111	119	156

cont...

Table 5.13 cont...

Category	Crop Name	Nu./Kg				
		2013	2014	2015	2016	2017
Vegetables	Eggplants	31	28	28	37	33
	Cultivated Mushrooms	189	173	155	371	356
	Chillies	78	86	61	66	99
	Green Leaves	21	21	21	27	56
Fruits	Bananas	23	23	23	26	35
	Pineapples	22	21	29	28	28
	Mangoes	45	41	47	43	45
	Oranges	51	57	…	…	34
	Apples	34	29	31	50	34
	Pears	34	31	35	51	47
	Peaches	31	29	37	42	48
	Plums	27	23	26	28	56
	Walnuts	103	99	108	212	118
	Areca nuts	23	23	25	21	72
	Jackfruits	20	20	19	18	…
	Guavas	24	25	28	34	43
	Papayas	18	24	28	30	47
	Pomegranates	35	39	40	49	42
	Litchies	31	34	34	31	43
	Persimmons	35	35	42	42	64
	Passion fruits	29	28	35	44	43

Note: The data for the year 2018 has not been provided from the source only.
Source: RNR Statistics Division, Directorate of Services, MoAF

Table 5.14: Imports and Sales of Food Items by Food Corporation of Bhutan, (2014-2018)

(Metric tones)

Commodity	2014	2015	2016	2017	2018
Imports					
Rice	7,216.78	9,027.22	8,733.83	8,646.00	8,555.06
Wheat	…	0.00	0.00	0.00	0.00
Sugar	696.31	1,257.71	1,220.60	1,245.95	868.35
Salt	703.19	795.75	772.10	796.23	570.00
Edible Oil	1,448.64	1,411.52	1,618.28	1,342.14	1,173.42
Pulses	256.52	413.46	324.90	350.00	298.25
Maida	472.50	652.44	573.63	694.32	894.35
Atta	217.56	266.88	221.80	276.15	236.25
Sales					
Rice	7,549.00	8,594.34	8,517.88	8,140.99	8,833.26
Wheat	3.00	0.00	0.00	0.00	0.00
Sugar	969.58	1,148.88	1,217.93	1,187.98	878.13
Salt	689.12	785.39	725.81	757.22	565.07
Edible Oil	1,554.34	1,518.48	1,567.30	1,278.66	1,230.54
Pulses	350.17	444.70	337.17	304.24	308.07
Maida	472.79	609.35	594.65	686.26	902.09
Atta	227.68	242.26	232.14	267.09	267.72

Source: Food Corporation of Bhutan, Phuentsholing.

Table 5.15: Quantity of Agricultural Produce Handled by Food Corporation of Bhutan, (2014-2018)

(Metric tones)

Commodity	2015	2016	2017	2018
Potatoes	22,597.24	26,127.07	25,687.38	32,328.95
Vegetables	3,841.41	3,603.58	4,104.04	3,463.44
Apples	28.84	13.90	28.26	10.17
Oranges	1,853.71	791.26	667.38	558.24
Cardamom	0.00	0.00	0.00	17.64
Ginger	347.53	501.42	587.40	417.84
Garlic	0.07	0.86	0.00	4.49
Arecanut	437.94	378.86	485.13	539.38
Supari(dried doma)	0.00	0.00	0.00	0.00
Dry chili	0.00	0.00	0.00	0.00
Kidney bean(rajma)	8.65	12.89	6.30	6.10
Soya bean	8.27	0.42	1.38	2.44
Pulses	0.00	0.00	0.00	0.00
Mustard	0.00	0.00	0.00	0.00
Pipla (wild)	0.00	0.00	0.00	0.00
Lechi	0.00	0.00	0.00	0.00
Lemon	0.36	0.03	0.00	0.00
Apricot	0.00	0.02	0.00	0.00
Peach	2.08	1.24	1.35	0.61
Plum	1.20	0.63	0.61	0.95
Pear	0.18	0.09	0.59	0.00
Dry bean	0.00	0.00	0.00	0.00
Cordycepts	0.00	0.00	0.00	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.

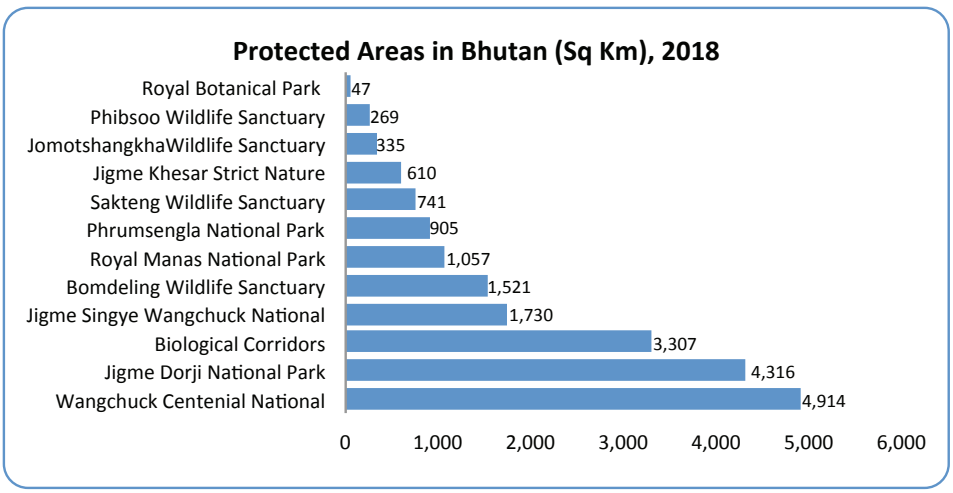

Table 6.1: Area of Land-Use and Vegetation by Types, Bhutan, 2016

Land Cover Class	Area (Hacter)	Area (Percent)
Alpine Scrubs	130,097.72	3.39
Built up	7,457.03	0.19
Cultivated Agriculture	105,682.43	2.76
Chhuzhing	31,891.87	
Kamzhing	68,260.64	
Orchards	5,529.92	
Forests	2,717,161.64	70.77
Bluepine	101,155.06	
Broadleaf	1,763,899.46	
Chirpine	101,537.45	
Fir	230,983.99	
Mixed Conifer	519,585.68	
Landslides	3,730.22	0.10
Meadows	96,273.61	2.51
Moraines	14,393.94	0.37
Non Built up	595.89	0.02
Rocky Outcrops	119,754.16	3.12
Scree	39,701.39	1.03
Shrubs	374,032.56	9.74
Snow and Glacier	205,343.63	5.35
Water Bodies	25,175.78	0.65
Lake	6,252.58	
Rivers	18,923.20	
Total	**3,839,400.00**	**100.00**

Source: Land Use and Land Cover of Bhutan 2016, GIS Section, FRMD, MoAF, Thimphu.

Table 6.2: Area Proportion as Percentage of Total Dzongkhag Area by Type of Land Cover, Bhutan, 2016

Dzongkhag/ LULC Class	Forest	Cultivated Agriculture	Meadows	Alpine Shurbs	Shrubs	Water Bodies	Snow & Glacier	Build up	Non Build up	Land slides	Morianes	Rocky Outcrops	Scree	Total
Bumthang	51.79	1.26	3.76	9.16	12.75	0.69	10.82	0.17	...	...	0.76	5.63	3.21	100
Chhukha	89.26	4.22	1.41	0.10	3.36	0.74	...	0.45	0.02	0.19	...	0.25	...	100
Dagana	89.14	4.34	1.32	0.48	3.06	0.93	...	0.06	...	0.17	...	0.50	...	100
Gasa	19.60	0.15	3.54	8.17	22.41	0.74	22.14	0.01	...	0.02	3.03	16.29	3.91	100
Haa	66.67	0.91	5.03	2.29	15.96	0.36	0.21	0.14	...	0.01	...	7.43	0.98	100
Lhuentse	64.79	1.31	1.15	4.05	9.35	0.41	16.75	0.06	...	0.04	0.34	1.49	0.25	100
Monggar	91.35	3.41	0.38	0.02	4.05	0.46	...	0.13	...	0.19	...	...	...	100
Paro	52.00	4.26	9.97	4.28	22.70	0.41	1.49	0.47	0.03	...	...	2.95	1.44	100
Pema Gatshel	90.82	3.63	0.01	...	4.16	0.64	...	0.20	0.05	0.27	...	0.22	...	100
Punakha	83.63	4.27	0.44	3.26	5.16	0.74	1.99	0.27	...	0.01	...	0.23	...	100
Samdrup Jongkhar	90.75	2.95	0.26	0.01	4.70	0.92	...	0.10	0.02	0.20	...	0.09	...	100
Samtse	81.42	11.39	0.19	0.01	4.35	1.64	...	0.24	0.12	0.48	...	0.16	...	100
Sarpang	89.58	4.90	0.01	0.04	3.06	1.81	...	0.27	0.01	0.27	0.42	0.04	...	100
Thimphu	40.04	0.96	10.31	7.54	22.35	0.26	5.49	0.78	0.05	...	...	5.33	6.48	100
Trashigang	79.15	4.51	3.24	4.29	7.95	0.34	0.09	0.29	...	0.11	...	0.04	...	100
Trashi Yangtse	69.97	2.43	0.57	3.19	11.47	0.60	11.47	0.05	...	0.02	...	0.25	0.07	100
Trongsa	85.59	1.42	2.48	4.42	4.65	0.24	0.56	0.27	...	0.07	...	0.28	0.03	100
Tsirang	87.50	9.03	0.09	0.02	2.18	0.68	...	0.11	...	0.04	...	0.34	...	100
Wangdue Phodrang	66.07	1.46	3.02	4.40	11.65	0.50	6.98	0.14	0.03	0.01	0.31	4.73	0.71	100
Zhemgang	94.17	1.44	0.03	0.53	2.69	0.69	0.11	0.05	...	0.15	...	0.12	...	100
Bhutan	**1483.29**	**68.25**	**47.21**	**56.26**	**178.01**	**13.80**	**78.10**	**4.26**	**0.33**	**2.25**	**4.86**	**46.37**	**17.08**	**2000**

Source: Land Use and Land Cover of Bhutan 2016, GIS Section, FRMD, MoAF, Thimphu.

Table 6.3: Forest Area Under Tree Cover by Dzongkhags, Bhutan, 2010

Dzongkhag	Total area (Sq.km)	Area under tre			
		Blue Pine Forest	Broadleaf Forest	Broadleaf with Conifer Forest	
Bumthang	2,667.76	25,641.07	15.81	3.58	
Chhukha	1,879.32	3,141.41	138,283.06	965.07	
Dagana	1,722.57	0.00	134,261.77	0.00	
Gasa	3,075.08	0.00	11,055.45	0.00	
Haa	1,864.75	5,548.56	62,770.23	0.00	
Lhuentse	2,808.53	225.13	84,718.08	10,589.62	
Monggar	1,944.95	367.66	118,314.63	611.45	
Paro	1,250.71	22,077.19	733.41	130.92	
Pema Gatshel	1,022.14	0.00	84,395.15	284.53	
Punakha	1,109.81	0.00	57,436.39	233.71	
Samdrup Jongkhar	1,877.93	513.45	159,849.69	1,697.47	
Samtse	1,305.18	0.00	99,492.62	781.32	
Sarpang	1,666.15	0.00	143,233.39	0.00	
Thimphu	1,748.58	17,085.84	645.58	285.37	
Trashigang	2,204.21	0.00	94,362.51	112.41	
Trashi Yangtse	1,449.26	393.67	55,668.78	0.00	
Trongsa	1,822.13	408.24	87,679.29	9,293.31	
Tsirang	638.29	0.00	48,805.68	0.00	
Wangdue Phodrang	3,920.33	4,621.78	122,736.86	0.00	
Zhemgang	2,416.20	0.00	184,498.07	6,483.57	
Bhutan	**38,393.88**	**80,024.00**	**1,688,956.45**	**31,472.33**	

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

e cover (Hectares)				Total	
	Chir Pine Forest	Fir Forest	Mixed Conifer Forest	Tree Cover Area	Percent
	0.00	42,221.09	70,996.72	141,546	3.687
	0.00	237.87	18,565.79	163,073	4.247
	1,437.31	0.00	14,261.94	151,684	3.951
	0.00	40,663.25	29,005.95	83,800	2.183
	0.00	17,436.28	36,096.10	123,716	3.222
	11,016.82	36,660.66	29,468.26	175,487	4.571
	31,959.83	7,125.33	19,748.86	180,073	4.690
	0.00	12,681.74	40,546.97	77,421	2.016
	4,939.06	0.00	21.38	90,662	2.361
	8,105.86	564.85	17,864.74	85,315	2.222
	679.40	88.38	452.94	165,159	4.302
	0.00	0.00	1,560.23	103,139	2.686
	0.00	89.38	3,288.58	148,278	3.862
	0.00	12,927.56	44,004.00	76,697	1.998
	19,916.81	0.00	65,586.72	182,183	4.745
	3,031.27	0.00	43,649.87	104,193	2.714
	3,284.54	3,646.29	54,487.06	160,621	4.183
	2,685.97	0.00	4,294.55	56,424	1.470
	17,087.78	2,274.00	109,246.75	259,888	6.769
	3,521.87	6,591.58	10,816.16	214,327	5.582
	107,666.52	**183,208.26**	**613,963.57**	**2,743,685.01**	**70.46**

Table 6.4: Monthly Maximum and Minimum Average Temperature by Dzongkhag, Bhutan, 2018

Dzongkhag	Temperature	Jan	Feb	Mar	Apr
Chamkhar, Bumthang	Max	11.5	13.3	15.5	16.9
	Min	-2.3	0.7	3.6	6.4
	Ave	4.6	7	9.55	11.65
PhuntsholingCST, Chhukha	Max	23.6	25.5	29.3	31.2
	Min	10.3	13.3	15.7	16.6
	Ave	17	19.4	22.5	23.9
Dagana	Max	19.5	18.9	22.9	25.1
	Min	4.3	5.9	8.2	11.1
	Ave	11.9	12.4	15.55	18.1
Gasa	Max	8.2	9.5	12.4	13.9
	Min	-3.6	-0.5	1.4	4.2
	Ave	2.3	4.5	6.9	9.05
Haa	Max	10.7	12.1	12.7	14.4
	Min	-6.6	-2.7	0.2	4.8
	Ave	2.05	4.7	6.45	9.6
Tangmachu, Lhuentse	Max	20.9	23.0	26.9	29.2
	Min	6.6	8.3	9.9	12.9
	Ave	13.8	15.7	18.4	21.1
Mongar	Max	16	17.5	21.2	23.7
	Min	6.2	8	10.8	13.3
	Ave	11.1	12.75	16	18.5
Punakha	Max	14.9	16.3	19.7	21.8
	Min	5.4	7.6	10.6	13.4
	Ave	10.15	11.95	15.15	17.6
Paro	Max	13.9	16	17.4	19.3
	Min	-3.4	-0.9	3	6
	Ave	5.25	7.55	10.2	12.65
Pemagatshel	Max	16.2	17.4	21	23.3
	Min	5.5	7.2	10.1	12.7
	Ave	10.85	12.3	15.55	18
Deothang, Samdrup Jongkhar	Max	21.1	21.6	24.6	25.8
	Min	10.1	11.7	14.5	16.8
	Ave	15.6	16.65	19.55	21.3

(Degree Celsius)

Month									Average
	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
	19.1	22.4	23.5	23.2	22.6	19	16.6	12.9	18.0
	9.7	13.1	14.7	14.4	12.7	5	-0.6	-3.7	6.1
	14.4	17.75	19.1	18.8	17.65	12	8	4.6	12.1
	30.6	31.6	31.3	31.3	30.2	29.4	27.5	25.1	28.9
	17.7	20.3	22.4	22.7	21	17.4	14.9	12.6	17.1
	24.15	25.95	26.85	27	25.6	23.4	21.2	18.85	23.0
	24.8	25.5	25.6	25.8	24.3	23.1	21.9	19.2	23.1
	13	16	16.5	16.3	15	9.9	7.3	4	10.6
	18.9	20.75	21.05	21.05	19.65	16.5	14.6	11.6	16.8
	15	19.1	19.4	19.7	18.4	15.1	12.4	10.4	14.5
	6.7	10.5	12	11.7	10.2	4.8	1.2	-2.9	4.6
	10.85	14.8	15.7	15.7	14.3	9.95	6.8	3.75	9.6
	15.9	19.7	20.4	19.7	19.2	15.4	13.3	9.8	15.3
	8.5	13.1	14.9	14.4	11.7	2.4	-2.3	-6.8	4.3
	12.2	16.4	17.65	17.05	15.45	8.9	5.5	1.5	9.8
	30.2	34.4	35.9	34.8	32.3	29.1	25.3	21.7	28.6
	15.8	19.2	20.2	20.0	19.0	12.7	8.9	5.4	13.2
	23.0	26.8	28.1	27.4	25.7	20.9	17.1	13.6	20.9
	24.1	26.8	27.5	27	24.6	23.1	20.5	16.8	22.4
	15.2	18.2	19	18.7	17.8	12.6	9.8	6.7	13.0
	19.65	22.5	23.25	22.85	21.2	17.85	15.15	11.75	17.7
	22.3	23.9	24.7	25.2	23.5	21.3	19.2	16.2	20.8
	15.8	19	19.8	20	18.2	12.3	8.9	5.5	13.0
	19.05	21.45	22.25	22.6	20.85	16.8	14.05	10.85	16.9
	20.5	25.1	25.7	24.9	24.4	20.2	17.5	12.3	19.8
	9.5	13.1	14.2	14	12.7	5	-0.1	-3.6	5.8
	15	19.1	19.95	19.45	18.55	12.6	8.7	4.35	12.8
	23.6	25.4	25.7	26.6	23.8	23.1	20.8	17.1	22.0
	15.2	18.6	18.9	18.9	17.8	11.8	8.2	5.6	12.5
	19.4	22	22.3	22.75	20.8	17.45	14.5	11.35	17.3
	26.2	27.8	28.5	28.9	27.2	26.1	23.3	20.9	25.16
	18.3	20.9	21.5	21.3	20	16.2	13.3	11.1	16.3
	22.25	24.35	25	25.1	23.6	21.15	18.3	16	20.73

cont...

Table 6.4 cont...

Dzongkhag	Temperature	Jan	Feb	Mar	Apr
Sipsu, Samtse	Max	24.1	24.9	27.8	29.5
	Min	11.1	12.8	15.8	18.8
	Ave	17.6	18.85	21.8	24.15
Bhur, Sarpang	Max	22.9	23.5	26.8	28.3
	Min	13	16	19.8	21.6
	Ave	17.95	19.75	23.3	24.95
Simtokha, Thimphu	Max	16.1	18.6	21.3	22.9
	Min	-4.3	-1.2	2.1	6.1
	Ave	5.9	8.7	11.7	14.5
Kanglung, Trashigang	Max	17.1	18.4	22.6	26
	Min	2.8	4.7	7.9	9.8
	Ave	9.95	11.55	15.25	17.9
Trashi Yangtse	Max	15.9	17.3	20.4	21.8
	Min	2.1	3.8	6.6	8.6
	Ave	9	10.55	13.5	15.2
Trongsa	Max	13.2	13.7	17.1	18.8
	Min	2	4.1	6.1	8.7
	Ave	7.6	8.9	11.6	13.75
Damphu, Tsirang	Max	14.9	16.3	15.9	21.8
	Min	5.4	7.6	7.1	13.4
	Ave	10.15	11.95	11.5	17.6
Wangdue (RNRRC), Wangdue Phodrang	Max	21.4	21.9	25.5	28.3
	Min	5	7.9	10.9	14.5
	Ave	13.2	14.9	18.2	21.4
Zhemgang	Max	14	14.9	18.2	21.1
	Min	3.7	5.8	8.5	11.4
	Ave	8.85	10.35	13.35	16.25

Source : Weather and Climate Services Division, National Center for Hydrology and Meteorology, NCHM,Thimphu.

Month									Average
	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
	29.6	30.1	29.9	31.2	30.1	28.8	26.7	24	28.1
	20	21.7	22.9	22.5	22	18.7	15.8	13.1	17.9
	24.8	25.9	26.4	26.85	26.05	23.75	21.25	18.55	23.0
	28	29.2	29.9	30.4	28.5	28.3	26.4	25.1	27.3
	22.3	23.9	25.1	25	23.5	21.1	18.4	15.9	20.5
	25.15	26.55	27.5	27.7	26	24.7	22.4	20.5	23.9
	24.5	29	29.7	28.7	28.2	21.3	18.2	14.1	22.7
	10.1	14.2	15.8	15.3	13.3	5.5	-0.4	-3.7	6.1
	17.3	21.6	22.75	22	20.75	13.4	8.9	5.2	14.4
	26.5	28.7	29.1	28.8	26.5	24.8	20.9	18.2	24.0
	12.4	15.5	16.1	15.9	14.8	9.6	6.2	3.2	9.9
	19.45	22.1	22.6	22.35	20.65	17.2	13.55	10.7	16.9
	22.4	23.1	26	25.3	23.4	21.5	19.6	16.9	21.1
	12	16.8	17.2	16.9	15.8	8.4	4.3	0.9	9.5
	17.2	19.95	21.6	21.1	19.6	14.95	11.95	8.9	15.3
	19.5	22.6	23.5	23.3	22.2	20	18.6	15.9	19.0
	12	15.1	16.2	15.9	14.5	8.5	5.2	1.2	9.1
	15.75	18.85	19.85	19.6	18.35	14.25	11.9	8.55	14.1
	22.3	23.9	24.7	25.2	23.5	21.3	19.2	16.2	20.4
	15.8	19	19.8	20	18.2	12.3	8.9	5.5	12.8
	19.05	21.45	22.25	22.6	20.85	16.8	14.05	10.85	16.6
	29.0	31.6	31.9	31.2	30.2	28.1	26.0	22.6	27.3
	18.2	21	21.4	21.7	20.1	13.7	8.9	5.4	14.1
	23.6	26.3	26.7	26.5	25.2	20.9	17.5	14.0	20.7
	22	24.8	25.3	26	24.3	21.2	18.7	15.2	20.5
	13.3	16.6	17	17	15.7	10.1	7.2	3.6	10.8
	17.65	20.7	21.15	21.5	20	15.65	12.95	9.4	15.7

Table 6.5: Total Monthly Rainfall at Existing Stations in each Dzongkhag, Bhutan, 2018

Dzongkhag	Station	Jan	Feb	Mar	Apr	May
Bumthang	Chamkher	0.0	0.6	49.1	64.0	84.3
Chhukha	Phuntsholing CST	0.0	10.9	151.1	452.0	1,113.3
Dagana	Dagana Dzong	10.4	3.4	34.6	38.6	131.5
Gasa	Gasa Katey	5.8	35.4	136.5	155.1	240.1
Haa	Haa Namjeyling	2.7	7.9	51.0	45.6	57.3
Lhuntse	Tangmachu	2.2	5.5	53.2	86.3	60.3
Monggar	Monggar	0.0	0.1	63.0	29.8	68.8
Paro	Paro DSC	2.0	0.0	22.6	17.2	41.2
Pema Gatshel	Pemagatshel	0.2	1.2	37.4	45.4	87.8
Punakha	Punakha Dzong	0.0	0.0	20.0	44.6	166.2
Samdrup Jongkhar	Deothang	0.0	13.0	146.6	132.3	387.8
Samtse	Sibsoo	0.0	19.2	98.6	271.4	694.0
Thimphu	Simtokha	0.0	0.8	25.2	20.5	28.8
Sarpang	Bhur	0.0	13.3	117.1	97.9	352.0
Trashigang	Kanglung	0.0	2.8	69.2	46.7	77.2
Trashi Yangtse	Tashi Yangtse	0.0	14.4	84.7	101.2	177.4
Trongsa	Trongsa	0.2	21.1	66.4	82.0	103.9
Tsirang	Damphu	0.0	0.0	(79.9)	44.6	166.2
Wangdue Phodrang	Wangdue (RNRRC)	0.0	0.0	22.0	19.0	37.6
Zhemgang	Zhemgang	1.2	4.6	69.7	65.9	34.9

Source : Wheather and Climate Services Division, National Center for Hydrology and Meteorology, NCHM,Thimphu.

(Millimeter)

Month							Annual total rainfall
Jun	Jul	Aug	Sep	Oct	Nov	Dec	
58.7	71.2	129.7	39.0	8.7	2.1	23.8	531.2
1,284.8	671.9	1,155.4	1,194.9	80.7	18.7	12.0	6,145.7
102.9	174.1	159.4	124.0	3.8	0.0	51.0	833.7
307.0	413.0	588.6	282.0	149.2	31.3	17.4	2,361.4
71.0	192.5	170.5	60.4	5.9	51.4	10.0	726.2
94.0	80.0	108.1	84.0	7.7	5.1	0.0	586.4
131.2	111.6	131.8	106.2	3.8	0.6	25.2	672.1
39.6	87.0	71.2	17.2	0.6	0.0	14.4	313.0
307.2	284.9	115.7	228.5	7.6	4.4	15.9	1,136.2
209.8	290.2	268.2	211.2	11.6	0.0	8.8	1,230.6
825.9	637.5	371.9	673.8	39.0	35.4	14.2	3,277.4
877.4	1,027.8	924.8	821.4	158.0	10.9	9.2	4,912.7
40.4	96.6	121.5	40.6	4.3	0.0	15.4	394.1
1,081.8	813.2	781.6	1,100.4	89.1	16.4	8.9	4,471.7
196.8	166.7	154.4	113.2	4.8	2.2	21.6	855.6
114.6	147.6	280.4	153.2	23.0	5.7	32.3	1,134.5
216.2	256.9	255.0	146.6	15.0	5.9	23.9	1,193.1
209.8	290.2	268.2	211.2	11.6	0.0	8.8	1,130.7
41.6	75.7	177.7	64.4	3.4	0.0	19.2	460.6
212.7	215.2	205.0	178.7	4.4	12.5	19.3	1,024.1

Table 6.6: Details of Protected Areas in Bhutan, by Year of Establishment, Area and Dzongkhags, Bhutan, 2018

Name of Area	Year of Establishment	Area (Sq. km)	Dzongkhags
National Parks			
Wangchuck Centenial National Park	2008	4,914.00	Gasa, Wangdue, Bumthang, Trongsa & Lhuentse
Jigme Dorji National Park	1995	4,316.00	Punakha, Gasa, Thimphu & Paro
Jigme Singye Wangchuck National Park	1995	1,730.00	Trongsa, Wangdue, Sarpang, Tsirang & Zhemgang
Royal Manas National Park	1965	1,057.00	Sarpang & Zhemgang
Phrumsengla National Park		905.05	Bumthang, Lhuntse, Mongar & Zhemgang
Wildlife Sanctuaries			
Bomdeling Wildlife Sanctuary	1998	1,520.61	Trashiyangtse, Lhuntse & Mongar
Sakteng Wildlife Sanctuary	2003	740.60	Trashigang & Samdrupjongkhar
Phibsoo Wildlife Sanctuary		268.93	Sarpang & Dagana
JomotshangkhaWildlife Sanctuary		334.73	Samdrupjongkhar
Strict Nature Reserves			
Jigme Khesar Strict Nature Reserve		609.51	Haa
Biological Corridors		3,307.14	Haa, Paro, Thimphu, Punakha, Wangdue, Sarpang, Tsirang, Trongsa, Zhemgang, Bumthang, Mongar, Lhuentse, Trashigang & Samdrupjngkhar
Recreational Park			
Royal Botanical Park	2004	47.00	Thimphu
Total		**19,750.57**	

Source: FIMS, FRMD, DoFPS, MoAF, Thimphu

Table 6.7: Wood and Non-Wood Forest Products Supplied by Natural Resources Development Corporation Limited, Bhutan, (2014-2018)

Product Type	2014	2015	2016	2017	2018
Wood Products					
Logs, Urban/Commercial (cft)	1,758,993.00	1,903,067.00	1,466,420.00	1,069,722.53	1,169,032.48
Logs, Rural (cft)	112,936.00	51,850.00	40,622.93	15,309.29	15,128.03
Logs, Dzongs/Lhakhangs Construction (cft)			165,326.21	196,765.57	184,444.02
Swan timber (cft)			136,483.54	176,734.09	336,492.15
Poles (cft)			56,148.55	...	...
Post (Nos)			5,869.83	14,785.00	12,589.00
Hakaries (cft)			1,058.89	14,844.04	...
Non-Wood Products					
Sand	303,381.42	330,132.36	433,799.95	501,011.13	452,042.27
Stone	3,218,789.58	3,008,570.04	5,447,635.11	5,378,333.00	12,359,780.74
Stone aggregates from the crushing plant	1,450,665.65	1,901,010.39	1,582,505.39	1,004,746.00	984,522.38
Firewood	35,988.34	40,490.66	38,184.81	34,452.00	32,949.91
Woodchips (m3)	10,297.18	8,004.91	5,919.29	6,621.76	9,830.15
Briquettes	316,150.00	270,910.00	266,580.00	185,340.00	215,040.00

Note: Separate report for poles and hakaries were not maintained. It is part of round timber and therefore added in the urban/commercial logs supply.
Source: NRDCL, MoAF, Thimphu.

Table 6.8: Supply of Timber by Divisions by Product Type, Bhutan, 2018

Product Type	Bumthang	Dagana	Gedu	Mongar	Paro	Pema Gatshel
Drashing	1,634.40	9.91	640.14	2,773.49	2,261.22	20.09
Cham	534.53	...	...	1,500.03	104.11	...
Tsim	83.40	...	8.80	11.84	4.10	...
Dangchung	21.04	...	3.60	6.60	4.37	...
Swan timber	4,663.35	21.11	...	7.71	538.50	3.71
Logs	5,538.15	1,850.95	45.28	1,411.10	4,575.90	1,336.00
Firewood	1,620.24	3,164.14	2,562.56	5,243.23	2,200.92	444.23
Poles	1,493.43	111.68	397.46	164.16	383.37	31.46
Posts	751.67	64.49	100.05	161.07	56.45	...
Total	**16,340.21**	**5,222.28**	**3,757.89**	**11,279.23**	**10,128.94**	**1,835.49**

Source: Dept. of Forest and Park Services, Forest Resources Management Division, MoAF, Thimphu

Table 6.9: Supply of Timber by Parks and Wildlife Sancturies by Product Type, Bhutan, 2018

Product Type	BWS	JDNP	JKSNR	JSWNP	JWS
Drashing	1,098.56	3,381.67	328.49	447.36	220.08
Cham	17.00	432.53	...	...	...
Tsim	3.41	158.41	...	15.85	...
Dangchung	0.28	42.83	...	18.35	...
Swan timber	35.57	8.94	...	...	3,356.40
Logs	547.64	207.79	...	51.35	150.00
Firewood	246.72	2,809.76	...	473.83	191.00
Poles	47.63	145.70	...	229,92	...
Posts	129.02	33.94	...	4.82	2.27
Total	**2,125.82**	**7,221.56**	**328.49**	**1,011.56**	**3,919.75**

Source: Dept. of Forest and Park Services, Forest Resources Management Division, MoAF, Thimphu

(M3)

	Samtse	Sarpang	Thimphu	Trashigang	Tsirang	Wangdue	Zhemgang	S/Jongkhar
	2,269.86	3,775.08	3,054.28	1,808.18	34.27	5,598.88	1,515.80	819.69
	...	103.74	816.17	216.07	...	337.68	6.08	...
	8.47	0.59	24.54	14.41	...	39.73	...	...
	...	6.82	3.92	6.40	...	123.92	8.91	...
	7.26	37.09	54.51	0.38	5.31	...	...	...
	2,728.63	1,676.43	631.55	2,898.15	1,565.16	4,040.65	30.00	609.60
	...	7,131.17	4,340.88	3,730.08	...	3,471.17	937.14	1,606.48
	56.32	2.57	771.28	227.82	1.99	356.12	84.21	...
	129.81	9.50	243.52	220.03	...	326.85	4.68	1.42
	5,200.35	**12,742.99**	**9,940.64**	**9,121.52**	**1,606.73**	**14,295.00**	**2,586.82**	**3,037.19**

(M3)

	PNP	PWS	RMNP	SWS	WCNP
	2,261.93	130.53	456.31	3,749.82	193.47
	126.27	...	...	25.50	89.02
	4.68	...	...	...	27.17
	14.07	...	...	...	...
	363.28	...	...	15.00	45.00
	35.00	652.66	105.35	90.01	1,293.20
	3,614.72	40.00	139.35	2,086.12	1,313.00
	139.08	...	...	35.91	27.37
	592.49	32.54	7.28	62.89	38.31
	7,151.52	**855.74**	**708.29**	**6,065.26**	**3,026.54**

Table 6.10: Quantity of Timber Supplied and Royalties Realized by Divisions and Parks, Bhutan, (2014-2015 to 2018)

Division/Park			
	2014-2015	Nu. in Millions	2016
Bumthang Division	6,757	0.45	20,348.00
Dagana Division	...	...	27,987.97
Gedu Division	7,835	0.47	21,199.40
Mongar Division	6,262	0.21	19,461.28
Paro	9,278	0.28	8,408.65
Pemagatshel	...	...	...
Samdrup Jongkhar	3,867	0.42	3,837.68
Samtse	6,051	1.06	3,496.46
Sarpang	8,542	11.88	3,160.39
Thimphu	5,495	0.15	24,732.66
Trashigang	14,287	0.57	13,507.82
Tsirang	6,237	0.33	15,330.49
Wangdue	22,239	1.96	19,911.70
Zhemgang	3,614	0.16	5,807.49
Bumdeling Wildlife Sanctury	11,623	0.18	2,262.74
Jigme Dorji National Park	3,322	0.24	3,566.23
Jigme Singye Wangchuck National Park	973	0.15	2,299.64
Phrumshengla National Park	...	...	17,827.20
Phibsoo Wildlife Sanctuary	...	...	111.90
Royal Manas National Park	471	0.18	714.24
Sakteng Wildlife Sanctury	3,543	0.10	23,902.60
Thrumshingla National Park	4,845	0.18	...
Wangchuck Centinial National Park	4,572	0.14	1,491.82
Jomotsangkha Wildlife Sanctuary	...	...	...
Total	**129,812**	**19.11**	**239,366.36**

From 2016 onwards, the data are supplied on calender year.
Source: RNR Statistics Division, Directorate of Services, MoAF

Quantity of Timber Supplied (m^3)					
	Nu. in Millions	2017	Nu. in Millions	2018	Nu. in Millions
	1.78	31,131.00	1.50	16,340.21	1.17
	0.47	17,316.00	0.34	5,222.29	0.17
	0.86	23,124.00	0.36	3,757.88	0.16
	0.54	19,007.00	0.94	11,279.23	0.45
	0.48	20,318.00	0.53	10,128.94	1.07
	...	2,389.00	0.15	1,835.50	0.09
	0.52	1,884.00	0.19	3,037.19	0.03
	0.48	8,609.00	0.30	660.62	0.13
	0.33	6,250.00	0.34	12,742.98	0.51
	0.29	17,393.00	0.45	9,940.64	0.90
	0.64	16,426.00	0.79	9,121.51	0.74
	0.31	10,919.00	0.24	1,606.73	0.04
	0.79	23,960.00	0.73	14,294.99	1.41
	0.22	4,991.00	0.20	2,586.82	0.14
	0.10	4,709.00	0.21	2,125.82	1.17
	0.34	5,463.00	0.23	7,221.56	0.34
	0.08	2,774.00	0.08	1,241.48	0.05
	0.37	6,056.00	0.32	7,151.52	0.41
	0.01	226.00	0.06	855.74	0.47
	0.06	1,033.00	0.03	708.29	0.03
	0.23	15,347.00	0.21	6,065.26	0.33
	...	...	...	...	...
	0.05	4,101.00	0.14	3,026.54	0.01
	...	805.00	0.15	3,919.75	0.06
	8.95	**244,231.00**	**8.49**	**134,871.48**	**9.86**

Table 6.11: Non-Wood Forest Products Supplied and Revenue Generated Through Royalty (Nu.) , Bhutan, 2018

Product Type	Units	Quantity Supplied	Royalty Realised (Nu.)
Aconitum	KG	150	3,000.00
Bamboo	Bundle	560	2,973.00
	Truckload	244	5,704.00
	Number	142,520	76,893.00
Cane	Bundle	1,559	5,401.13
	Truckload	7	2,400.00
Charcoal	KG	1,000	200.00
Daphne spp	KG	7,095	4,259.00
Hippophae rhamnoides	KG	576	2,304.00
Leaf needle	Truckload	1,387	6,501.00
Leaf Moulds	Truckload	1,298	77,902.50
Lemon Grass Oil	LTR	288	1,440.00
Mushroom	Number	7,390	8,190.00
	KG	5,975	372,861.00
Paris Polyphylla	KG	572	8,583.00
Picorrhiza spp	KG	100	1,200.00
Piper Longum	KG	110	2,200.00
Pouzolzia spp	KG	8,187	16,156.00
Resin	KG	14,147	56,588.00
Rhododendron spp	KG	3,528	7,634.00
Rubia cordifolia	KG	18,910	291,488.00
Sand	Truckload	41,582	1,720,839.40
Soil	Truckload	4,119	193,760.00
	KG	600	1,200.00
Stone Boulders	Truckload	401,185	16,012,057.14
Swertia chirata	KG	133	720.00
Terminalia bellerica	KG	100	500.00
Wildlings (Saplings)	Number	4,614	4,808.00
Banana Leave	Number	426	2,115.00
Cinnamomum spp	KG	4,500	9,000.00
Elastosstema spp	Bundle	26	104.00
Exidia recisa	KG	100	600.00

cont...

Table 6.11 cont...

Product Type	Units	Quantity Supplied	Royalty Realised (Nu.)
Fritilaria spp	KG	425	4,750.00
Nardostachys jatamansi	KG	23,233	46,466.00
Neomicro Calamus andropogonifolus	KG	65	233.17
Ophiocordyceps sinensis	KG	277	2,338,657.77
Phyllanthus emblica	KG	200	1,000.00
Piper nigra	KG	3	60.00
Saw dust	Truckload	15	30.00
Shilajit	KG	11	88.00
Thysanolaena latifolia	Number	378	1,134.00
Zanthoxylum armatum	KG	225	900.00
Grand Total			**21,292,900.11**

Source: Forest Facts and Figures 2018, Dept. of Forest and Park Services, Forest Resources Management Division, MoAF, Thimphu

Table 6.12: 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 Subtropical (100-600)	Humid Subtropical (600-1200)	Dry Subtropical (1200-1800)	Warm Temperate (1800-2600)	Cool Temperate (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 Yangtse	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 2016, MoAF

Table 6.13: Mineral Production by Type, Bhutan, (2014-2018)

Minerals	2014	2015	2016	2017	2018
Dolomite (metric tonnes)	2,040,690.96	2,662,309.68	2,367,659.00	2,536,693.31	2,821,166.44
Lime stone (metric tonnes)	1,122,825.09	850,431.17	1,257,101.00	1,235,161.67	1,344,037.86
Gypsum (metric tonnes)	414,147.54	389,364.80	317,597.00	328,127.99	461,128.12
Coal (metric tonnes)	121,890.58	85,164.45	117,783.00	161,526.74	186,823.75
Marble (metric tonnes)	61,921.10	97,647.84	75,031.00	96,567.10	188,900.53
Slate (square feet)	...	...	...	...	...
Quartzite (metric tonnes)	83,907.14	79,818.50	92,770.00	175,501.08	145,713.93
Talc (metric tonnes)	12,601.37	5,807.27	2,261.00	1,293.20	2,042.46
Stone (metric tonnes)	1,474,394.94	2,203,065.41	3,414,215.00	3,828,254.00	3,730,975.36
Granite (metric tonnes)	4,362.21	3,889.05	...	26,364.04	6,079.76
Phyllite (metric tonnes)	40,076.71	40,417.25	41,800.00	61,910.29	53,188.53
Calc Tufa (metric tonnes)	...	...	...	...	12,323.80
Iron Ore (metric tonnes)	18,997.37	43,201.96	28,065.00	32,974.37	37,843.08
Clay	10,208.95	...	...	...	...

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

Table 6.14: Mineral Production by Type and Use, Bhutan, (2014-2018)

Minerals	2014			2015				
	Export	Domestic Use	Total	Export	Domestic Use	Total	Export	
Dolomite (metric tonnes)	2,004,877	35,814	2,040,691	2,495,580	166,730	2,662,310	2,283,725	
Lime stone (metric tonnes)	16,406	1,106,419	1,122,825	24,579	825,853	850,431	1,244,999	
Gypsum (metric tonnes)	368,411	45,736	414,148	343,684	45,681	389,365	241,650	
Coal mines (metric tonnes)	26,574	95,317	121,891	5,403	79,762	85,164	...	
Marble (square feet) 1	39,850	22,071	61,921	14,543	83,105	97,648	36,358	
Slate (square feet) 1	...	...	...	...	...	...	...	
Quartzite (metric tonnes)	2,228	81,679	83,907	2,120	77,699	79,818	2,745	
Talc (metric tonnes)	6,917	5,685	12,601	3,470	2,338	5,807	...	
Stone (metric tonnes)	28,340	1,446,055	1,474,395	104,482	2,098,584	2,203,065	553,639	
Granite (square feet) 1	0.00	4,362	4,362	-	63,438	63,438	...	
Phyllite (metric tonnes)	12	40,065	40,077	36,592	3,826	40,417	2,615	
Calc Tufa (metric tonnes)	...	...	...	...	...	...	...	
Iron Ore (metric tonnes)	0.00	18,997	18,997	...	43,202	43,202	...	
Clay	0.00	10,209	10,209	...	...	...	...	

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

	2016		2017			2018		
	Domestic Use	Total	Export	Domestic Use	Total	Export	Domestic Use	Total
	83,934	2,367,659	2,546,210	46	2,546,256	2,816,806	4,361	2,821,166
	12,102	1,257,101	40,121	1,195,041	1,235,162	53,345	1,290,693	1,344,038
	75,948	317,597	269,385	58,743	328,128	377,197	83,932	461,128
	117,783	117,783	18,931	142,596	161,527	26,916	159,908	186,824
	38,674	75,031	75,655	20,912	96,567	152,585	36,315	188,901
	...	...	...	...	...	...	...	...
	90,025	92,770	...	175,501	175,501	...	145,714	145,714
	2,261	2,261	1,293	...	1,293	1,389	653	2,042
	2,860,576	3,414,215	299,369	3,528,885	3,828,254	624,125	3,106,850	3,730,975
	96,827	96,827	...	26,423	26,423	...	...	...
	39,185	41,800	771	61,139	61,910	91	53,098	53,189
	...	...	...	...	...	...	12,324	12,324
	28,065	28,065	...	32,974	32,974	...	37,843	37,843
	...	...	...	...	...	...	...	...

Table 6.15: Length of Roads by Type, Bhutan, (2014-2018)

(Length in Km)

Type of Road	Express-way	Primary National Highway	Secondary National Highway	Dzongkhag Road	Urban Road	Farm Road	Access Road [1]	All road
2014	**6.2**	**1,941.7**	**579.2**	**1,260.7**	**349.7**	**5,707.8**	**1,398.1**	**11,243.4**
Black topped	6.2	1,758.6	511.1	211.8	327.0	2.5	265.5	3,082.7
Non-black topped	0.0	183.2	68.1	1,049.0	22.7	5,705.3	1,132.6	8,160.8
2015	**6.2**	**1,974.6**	**584.5**	**1,508.0**	**396.8**	**5,221.5**	**1,485.4**	**11,177.0**
Black topped	6.2	1,809.0	515.9	228.1	377.1	2.5	263.1	3,201.9
Non-black topped	0.0	165.7	68.6	1,279.9	19.7	5,219.0	1,222.3	7,975.1
2016	**6.2**	**1,965.2**	**878.4**	**2,606.2**	**436.8**	**5,049.7**	**1,406.2**	**12,348.7**
Black topped	6.2	1,560.5	641.8	1,075.3	350.0	0.0	0.0	3,633.8
Non-black topped	0.0	404.7	236.6	1,530.9	86.8	5,049.7	1,406.2	8,714.9
2017	**6.2**	**1,822.7**	**903.3**	**2,004.7**	**417.1**	**11,292.3**	**1,735.1**	**18,181.3**
Black topped	6.2	1,733.9	677.9	1,135.1	402.8	12.6	506.7	4,475.2
Non-black topped	0.0	88.8	225.4	869.6	14.3	11,279.7	1,228.4	13,706.1
2018	**6.20**	**1,772.39**	**997.58**	**2,060.43**	**417.08**	**11,292.29**	**1,736.03**	**18,282.00**
Black topped	6.20	1,730.35	792.53	1,190.85	402.77	12.60	506.65	4,641.95
Non-black topped	0.00	42.04	205.05	869.59	14.31	11,279.69	1,229.38	13,640.06

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

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.

b. The changes in the length of the road esp (PNH/SNH/Access Road)is mainly due to the reclassification of the road done by DoR mainly to fit proper defination.

c. Farm road information was collected by DoR from MoAF

Source: Design Division, Department of Roads, MoWHS, Thimphu.

Table 6.16: Length of Roads by Type and Dzongkhag, Bhutan, June 2019

(Length in Km)

Dzongkhag	Express-way	Primary National Highway	Secondary National Highway	Dzongkhag Road [2]	Urban Road [1]	Farm Road	Access Road [1]	Total	%
Bumthang	0.00	92.78	66.00	17.80	1.70	261.88	106.75	546.91	2.99
Chhukha	0.00	219.05	0.00	187.78	28.58	491.99	217.73	1145.13	6.26
Dagana	0.00	18.00	166.58	121.50	1.50	643.87	50.43	1001.88	5.48
Gasa	0.00	0.00	46.00	8.10	0.00	40.98	2.25	97.33	0.53
Haa	0.00	44.00	113.30	18.60	7.93	274.53	81.00	539.36	2.95
Lhuentse	0.00	0.00	44.50	107.55	0.77	691.74	139.68	984.24	5.38
Monggar	0.00	181.46	20.50	287.59	11.96	1169.88	63.33	1734.72	9.49
Paro	0.00	98.06	32.00	16.92	5.20	665.19	85.44	902.81	4.94
Pema Gatshel	0.00	120.39	128.01	143.99	0.00	600.09	42.89	1035.37	5.66
Punakha	0.00	47.50	32.54	36.21	4.41	430.78	101.65	653.09	3.57
Samdrup Jongkhar	0.00	77.00	72.00	119.64	7.32	431.05	43.66	750.67	4.11
Samtse	0.00	51.00	109.00	111.09	8.25	752.92	39.50	1071.76	5.86
Sarpang	0.00	97.75	0.00	107.16	15.82	326.59	163.83	711.15	3.89
Thimphu	6.20	40.00	7.15	54.52	281.80	112.98	231.90	734.55	4.02
Trashigang	0.00	132.50	97.00	284.67	6.60	1708.96	32.41	2262.14	12.37
Trashi Yangtse	0.00	45.00	0.00	71.35	8.72	467.78	28.05	620.90	3.40
Trongsa	0.00	142.90	0.00	36.96	0.62	364.91	39.61	585.00	3.20
Tsirang	0.00	63.00	3.00	68.51	3.30	351.22	19.96	508.99	2.78
Wangdue Phodrang	0.00	141.00	5.00	104.81	8.50	976.45	187.83	1423.59	7.79
Zhemgang	0.00	161.00	55.00	155.68	14.10	528.50	58.13	972.41	5.32
Bhutan	**6.20**	**1772.39**	**997.58**	**2060.43**	**417.08**	**11292.29**	**1736.03**	**18282.00**	**100.00**

Note: [1] No Dzongkhag wise details on Urban and Access road is available except for whole total .
(Access roads shall include Private roads and Institutional roads)
[2] Dzongkhag roads and Gewog connectivity roads are clubbed together as they have same specification.

Source: Department of Roads,MoWHS, Thimphu.

Table 6.17: Number of Registered Vehicles by Type and Region, (2014- June 2019)

Region	Government												
	Heavy	Medium	Light	Two-Wheeler	Power Tiller	TR	EME [1]	Electric Vehicle	Total	Heavy	Medium	Light	
2014	1,176	231	2,572	1,454	162	91	253	...	5,939	7,298	1,161	39,252	
Thimphu	545	39	1,520	520	95	47	118	...	2,884	2,139	288	23,530	
Phuntsholing	523	139	668	588	0	17	58	...	1,993	4,535	752	12,720	
Gelephu	61	18	162	111	27	6	37	...	422	267	81	1,409	
Samdrup Jongkhar	47	35	221	235	40	20	40	...	638	357	40	1,539	
Monggar	0	0	1	0	0	1	0	...	2	0	0	54	
2015	1,185	238	2,512	1,400	333	113	266	28	6,075	7,381	1,244	45,222	
Thimphu	532	36	1,405	461	266	55	133	21	2,909	2,055	316	26,662	
Phuntsholing	542	146	707	587	0	20	56	7	2,065	4,680	786	14,640	
Gelephu	65	19	169	120	27	6	37	0	443	278	91	1,885	
Samdrup Jongkhar	45	34	223	232	40	30	40	0	644	359	40	1,733	
Monggar	1	3	8	0	0	2	0	0	14	9	11	302	
2016	1,237	259	2,654	1,417	388	119	278	29	6,381	8,243	1,346	51,541	
Thimphu	567	43	1,418	460	302	62	138	22	3,012	2,271	357	30,416	
Phuntsholing	547	154	757	607	0	19	58	7	2,149	5,205	823	16,205	
Gelephu	68	18	205	116	28	6	42	0	483	334	107	2,381	
Samdrup Jongkhar	50	37	227	233	40	30	40	0	657	392	42	1,939	
Monggar	5	7	47	1	18	2	0	0	80	41	17	600	
June 2017	1,250	266	2,795	1,415	451	125	320	26	6,648	8,582	1,391	54,215	
Thimphu	567	45	1,519	458	317	65	143	19	3,133	2,349	372	31,873	
Phuntsholing	557	154	780	610	15	20	65	7	2,208	5,426	838	16,901	
Gelephu	70	20	210	114	59	7	72	-	552	355	118	2,657	
Samdrup Jongkhar	51	37	219	232	42	31	40	-	652	400	44	2,059	
Monggar	5	10	67	1	18	2	-	-	103	52	19	725	
June 2018	1,264	280	2,872	1,432	692	127	346	26	7,039	9,708	1,504	59,225	
Thimphu	570	51	1,585	461	505	65	149	19	3,405	2,601	409	34,840	
Phuntsholing	564	159	790	626	15	21	65	7	2,247	6,179	886	18,041	
Gelephu	72	20	208	112	66	7	93	0	578	431	135	3,132	
Samdrup Jongkhar	52	38	212	230	61	32	39	0	664	427	49	2,229	
Monggar	6	12	77	3	45	2	0	0	145	70	25	983	

Private								BHT		Diplomats/CD				All Types
	Two-Wheeler	Taxi	Power Tiller	TR	EME	Electric Vehicle	Total	Light	Total	Light	Two-Wheeler	Electric Vehicle	Total	
	8,529	4,109	1,219	238	1,752	...	63,558	55	55	45	5	...	50	69,602
	3,746	2,707	804	70	523	...	33,807	55	55	45	5	...	50	36,796
	2,680	1,192	66	124	1,134	...	23,203	0	0	0	0	...	0	25,196
	900	156	105	17	50	...	2,985	0	0	0	0	...	0	3,407
	1,160	54	244	26	45	...	3,465	0	0	0	0	...	0	4,103
	43	0	0	1	0	...	98	0	0	0	0	...	0	100
	7,578	3,939	1,382	271	1,942	63	69,022	53	53	39	1	...	40	75,190
	2,392	2,652	948	76	600	57	35,758	53	53	39	1	...	40	38,760
	2,929	1,030	67	146	1,211	4	25,493	0	0	0	0	...	0	27,558
	975	195	113	22	60	2	3,621	0	0	0	0	...	0	4,064
	1,177	44	244	26	62	0	3,685	0	0	0	0	...	0	4,329
	105	18	10	1	9	0	465	0	0	0	0	...	0	479
	8,223	4,222	1,556	302	2,317	80	77,830	49	49	36	1	...	37	84,297
	2,656	2,826	1,116	87	755	70	40,554	49	49	36	1	...	37	43,652
	3,115	1,015	67	152	1,345	6	27,933	0	0	0	0	...	0	30,082
	1,046	289	118	28	95	4	4,402	0	0	0	0	...	0	4,885
	1,195	43	245	28	86	0	3,970	0	0	0	0	...	0	4,627
	211	49	10	7	36	0	971	0	0	0	0	...	0	1,051
	8,451	4,283	1,681	321	2,514	66	81,504	46	46	28	0	1	29	88,227
	2,765	2,841	1,236	93	829	56	42,414	46	46	28	0	1	29	45,622
	3,202	1,002	69	158	1,408	6	29,010	0	0	0	0	0	0	31,218
	1,068	325	121	34	113	4	4,795	0	0	0	0	0	0	5,347
	1,201	47	245	29	116	-	4,141	0	0	0	0	0	0	4,793
	215	68	10	7	48	-	1,144	0	0	0	0	0	0	1,247
	9,047	4,518	1,933	351	2,853	67	89,206	37	37	24	0	1	25	96,307
	3,076	2,940	1,483	109	991	56	46,505	37	37	24	0	1	25	49,972
	3,400	947	70	165	1,499	7	31,194	0	0	0	0	0	0	33,441
	1,112	425	124	40	150	4	5,553	0	0	0	0	0	0	6,131
	1,218	77	245	29	155	0	4,429	0	0	0	0	0	0	5,093
	241	129	11	8	58	0	1,525	0	0	0	0	0	0	1,670

cont...

Table 6.17 cont...

Region	Government												
	Heavy	Medium	Light	Two-Wheeler	Power Tiller	TR	EME [1]	Electric Vehicle	Total	Heavy	Medium	Light	
June 2019	1,293	279	2,895	1,431	702	132	360	26	7,118	10,802	1,609	63,974	
Thimphu	573	47	1,603	451	506	66	151	20	3,417	2,761	447	37,755	
Phuntsholing	583	160	795	636	15	23	79	6	2,297	7,002	928	19,142	
Gelephu	73	23	207	113	68	8	94	0	586	511	151	3,517	
Samdrup Jongkhar	58	37	211	228	64	33	36	0	667	451	50	2,358	
Monggar	6	12	79	3	49	2	0	0	151	77	33	1,202	

Note: [1] Earth Moving Equipments (EME) include bull dozers, road rollers, pay loaders, excavators, cranes, etc.
a. Excludes vehicles of armed forces.

Private								BHT		Diplomats/CD				All Types
	Two-Wheeler	Taxi	Power Tiller	TR	EME	Electric Vehicle	Total	Light	Total	Light	Two-Wheeler	Electric Vehicle	Total	
	9,798	4,851	2,162	362	3,000	75	96,633	37	37	25	0	1	26	103,814
	3,505	3,121	1,705	112	1,051	62	50,519	37	37	25	0	1	26	53,999
	3,620	973	70	167	1,553	8	33,463	0	0	0	0	0	0	35,760
	1,158	504	128	45	161	4	6,179	0	0	0	0	0	0	6,765
	1,236	95	245	29	174	0	4,638	0	0	0	0	0	0	5,305
	279	158	14	9	61	1	1,834	0	0	0	0	0	0	1,985

Table 6.18: Total Electricity Generation and Supply, Bhutan, (2014-2018)

Details	2014	2015	2016	2017	2018
Installed capacity (MW)	1,498.83	1,614.10	1,623.03	1,622.74	1,622.74
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
Dagachhu hydro power	...	126.00	126.00	126.00	126.00
Other hydro power	8.10	8.10	8.10	8.10	8.10
All diesel generators	10.73	8.04	8.93	8.04	8.04
Wind Power (MW)	...	...	0.60	0.60	0.60
Electricity generation (MU)	7,164.16	7,747.17	7,953.58	7,729.77	6,959.81
Chhukha hydro power	1,797.83	1,867.36	1,929.68	1,883.18	1,703.95
Kurichu hydro power	368.03	379.02	390.75	389.56	380.03
Basochu - I hydro power	109.25	113.21	116.71	122.55	109.57
Basochu - II hydro power	197.08	199.55	205.97	216.43	195.99
THPA	4,675.03	4,821.75	4,924.50	4,645.10	4,185.00
Dagachhu hydro power	...	350.26	374.23	460.35	366.04
Other hydro power	16.93	16.01	11.03	11.22	18.05
All diesel generators	0.01	0.02	0.00	0.27	0.04
Wind Energy (MU)	...	...	0.71	1.11	1.13
Total Exports (MU)	5,146.60	5,721.12	5,763.13	5,700.99	4,580.86
Total Imports (MU)	159.16	124.52	86.62	91.92	133.98
Import by Gencos (MU)	154.68	119.83	84.16	91.72	133.66
Import from WBSEB - BPC (MU)	3.79	4.47	2.34	0.08	0.26

cont...

Table 6.18 cont...

Details	2014	2015	2016	2017	2018
Import from ASEB - BPC (MU)	0.69	0.22	0.12	0.12	0.06
Total energy requirement (MU)	2,085.46	2,122.96	2,054.46	2,243.71	2,397.16
Total energy sales (MU)	2,004.83	2,057.14	2,008.91	2,185.75	2,328.44
Energy losses (MU)	(6,837.60)	(7,196.04)	(7601.25)	(7703.10)	(6641.66)
Percentage losses (%)	(328.00)	(339.00)	(370.00)	(343.00)	(277.00)
Peak system demand (MW)	333.41	336.52	335.87	362.09	399.35
Length of HT lines (33/11 KV)					
Overhead lines (km)	5,568.40	5,705.57	6,286.09	6,310.91	6,554.40
Underground lines (km)	108.91	105.71	114.95	158.93	119.40
Overhead ABC Conductor (km)	...	114.45	129.04	132.57	142.23
Length of LT lines					
Overhead lines (km)	7,077.35	1,557.97	1,741.53	1,741.53	1,576.69
Underground lines (km)	360.16	368.50	396.66	321.67	320.00
Overhead ABC Conductor (km)	...	6,193.79	6,361.73	6,892.84	9,037.85

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

Table 6.19: Consumption of Electricity by Type of Consumer, 2018

Type of Consumer	Energy Sales (MU)	% of Total Sales	No. of Consumers
Rural Residential	108.610	4.97	104,230
Rural Cooperatives	0.300	0.01	428
Rural Micro Trade	1.610	0.07	1,222
Rural Community Lhakhangs	1.321	0.06	1,239
Urban	133.270	6.10	48,618
Religious Institutions	4.292	0.20	712
Commercial	63.389	2.90	12,827
Industrial	8.711	0.40	365
Agriculture	2.275	0.10	1,754
Institutions	59.642	2.73	8,189
Street Lighting	3.983	0.18	515
Power House Auxiliaries	0.896	0.05	43
Temporary Connections	26.274	1.20	4,135
Total LV Bulk Consumption	67.055	3.07	778
Total MV Consumption	114.322	5.23	59
Total HV Consumption	1589.798	72.73	19
Total consumption (MU)	2185.748	100.00	185,133

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

Table 6.20: Percentage of Major Attraction to Bhutan, 2018

Attractions/Activities	%
Cutural	86.41
Adventure	3.13
Spiritual and Wellness	0.72
Nature	3.76

Note: Includes International Leisure purpose tourist only.
Source: Tourism Council of Bhutan, Thimphu.

Table 6.21: Import of Petroleum Products by Volumn and Value, (2014-2018)

PoL Products	2014		2015		2016		2017		2018	
	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)	117,615.80	5,865.98	126,139.40	5,262.71	133,851.27	5,776.53	144,620.70	6,648.56	159,722.50	7,943.33
Petrol(KL)	31,458.20	1,826.52	33,846.60	1,692.97	36,214.80	1,755.31	39,119.50	1,969.39	46,912.34	2,333.60
Kerosene(S.K oil)/Industrial	24.00	1.25	48.00	2.13	24.01	1.09	12.00	0.60	...	...
S.K. Oil (subsidy)	5,685.00	74.74	4,599.00	60.17	4,815.00	65.79	4,328.00	76.02	3,585.00	79.95
S.K. Oil (Industrial)	21.00	1.23	12.00	0.51	24.00	1.18	...	...	...	...
Kerosene type jet fuel(ATF)	3,585.00	219.69	3,291.00	142.08	3,294.00	127.92	3,982.00	170.65	4,878.00	230.97
LPG	7,056.18	183.38	7,289.73	188.94	7,593.30	198.61	8,078.90	223.31	8,702.65	244.54
Lubricating Oil	2,512.93	414.69	3,378.26	397.50	2,478.56	416.96	2,239.17	377.22	2,374.32	374.32
Furnance Oil	473.35	22.11	1,302.20	37.45	1,425.29	34.89	1,688.01	49.60	3,410.77	124.03
LDO	3,698.00	198.83	136.00	6.20	36.00	1.24	...	...	53.54	1.47
Petroleum Bitumen	7,563.67	376.85	11,778.43	479.68	11,707.12	377.86	15,663.27	454.08	25,745.01	850.85
Others (waste oils)	172.03	19.65	5.40	0.89	10.79	1.69	140.38	15.40	4.70	0.88
Others (containing biodiesel other than waste oils)	2.51	0.48	...	...	...	...	...	...	...	...

Note: a. The codes for Kerosene (S.K Oil) and S.K. Oil (Industrial) has been merged together w.e.f.January 1, 2017
b. S.K. Oil (quota) has been renamed as S.K.Oil (subsidy)
c. Two types of waste oils falling under BTC Code 2710.91.00 and 2710.99.00 are clubbed together

Source: Bhutan Trade Statistics ,DRC, MoF, Thimphu

Table 6.22: 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 6.23: PM 10 Concentration (Microgram/m3) for Thimphu Dzongkhag, (2014-2018)

Month	2014	2015	2016			2017		2018	
	(PM 10) mg/m3	(PM 10) mg/m3	(PM 10) ug/m3	(PM 2.5) ug/m3	(Carbon) ng/m3	(PM 10) ug/m3	(PM 2.5) ug/m3	(PM 10) ug/m3	(PM 2.5) ug/m3
	NEC office roof top	NEC office roof top	Royal Thai Pavilion Compound, Thimphu			Royal Thai Pavilion Compound, Thimphu		Royal Thai Pavilion Compound, Thimphu	
January	59.65	...	59.07	40.72	6662.84	83.75	61.06	59.36	37.86
Febuary	67.15	33.86	69.16	49.52	7034.20	75.27	49.95	61.19	40.48
March	58.89	48.77	59.22	43.74	5885.06	50.58	35.06	44.01	32.39
April	43.99	44.34	64.34	43.96	5796.46	39.71	24.91	30.96	20.51
May	41.35	29.16	38.99	26.49	...	30.22	19.02	19.29	13.82
June	24.91	23.65	20.08	11.87	...	21.08	12.64	15.35	9.91
July	...	12.58	12.60	8.18	...	13.88	8.24	8.70	5.86
August	...	15.74	15.79	9.79	...	14.89	7.66	6.21	4.83
September	14.84	62.61	21.42	11.78	...	18.74	10.33	10.78	6.98
October	...	...	31.71	17.53	...	26.07	14.84	12.20	9.05
November	35.08	...	59.87	36.86	...	46.39	28.76	14.82	9.32
December	54.63	138.88	74.32	43.74	...	62.75	40.63	...	...

Note: Due to technical problem PM 10 concentration couldnot be measured in missing months.

Source: Climate Change Division, 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. Most of the existing industrial establishments are small scale or cottage industries.

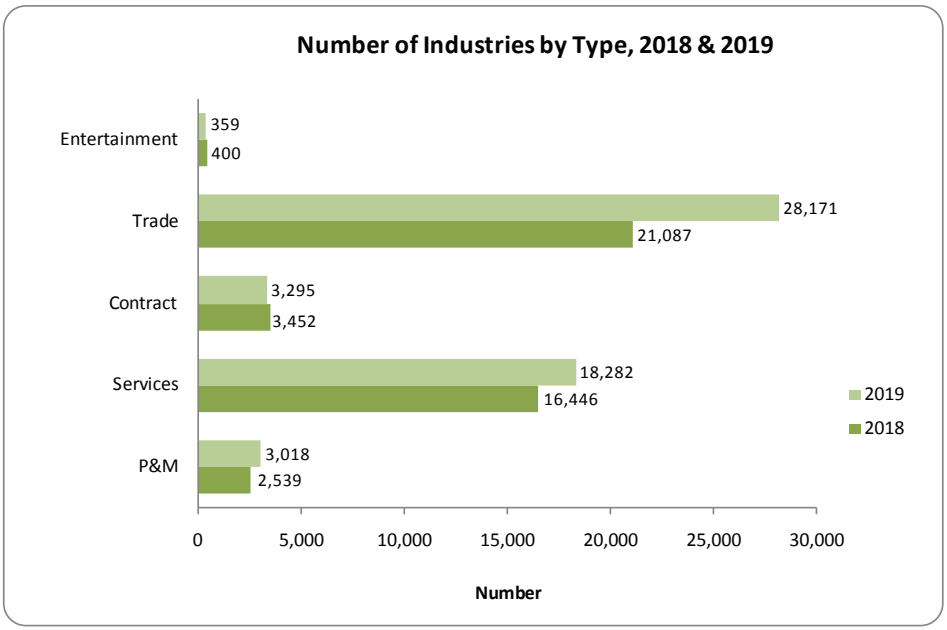

Table 7.1: Number of Industrial Establishments by Sector, Bhutan, (2015 - June 2019)

Sector	2015	June 2016	June 2017	June 2018	June 2019
Production & manufacturing	**2,073**	**1,648**	**2,125**	**2,539**	**3,018**
New establishments	294	144	445	514	623
Existing establishments	1,779	1,504	1,680	2,025	2,395
Services	**18,067**	**12,221**	**14,528**	**16,446**	**17,923**
New establishments	790	1,175	2,253	2,693	3,407
Existing establishments	17,277	11,046	12,275	13,753	14,516
Contract	**4,298**	**3,135**	**3,440**	**3,452**	**3,295**
New establishments	31	84	233	318	304
Existing establishments	4,267	3,051	3,207	3,134	2,991
Trade	**31,150**	**17,759**	**22,972**	**21,087**	**28,171**
New registration/establishments	4,102	2,143	3,767	4,231	4,471
Existing establishments	27,048	15,616	19,205	16,856	23,700
Entertainment	**356**	**412**	**440**	**400**	**359**
New establishments	96	83	34	42	97
Existing establishments	260	329	406	358	262
All sectors	**55,944**	**35,175**	**43,505**	**43,924**	**52,766**

Note: a. The figures for P&M, Services and Contract includes all Large, Medium, Cottage and Small Industries
b. The Existing Establishments for Trade are only Operational.

Source: Department of Industry, Department of Cottage & Small Industry,Department of Trade (MoEA) & BICMA,Thimphu.

Table 7.2: Number of Lincensed Firms in Production & Manufacturing, Services and Contract by Ownership, Bhutan, (June 2018- June 2019)

Industry	June 2018				June 2019			
	Sole Proprietorship	Partnership	Company	Others	Sole Proprietorship	Partnership	Company	Others
Production & Manufacturing	2,256	64	198	22	2,688	79	222	29
Services	15,921	180	301	43	17,664	223	353	42
Contract	3,195	0	250	7	3,020	0	268	7
Total	**21,372**	**244**	**749**	**72**	**23,372**	**302**	**843**	**78**

Note: 1 Others includes Government, Dratsang, Schools etc.

Source: Department of Industry, Department of Cottage & Small Industry, MoEA, Thimphu.

Table 7.3: Number of Industries by Ownership, Size and Type, Bhutan, (June 2016 - June 2019)

Industrial Establishments	June 2016	June 2017	June 2018	June 2019
Ownership	**16,986**	**20,093**	**22,437**	**24,595**
Sole Proprietorship	16,202	19,166	21,372	23,372
Partnership	158	182	244	302
Company	589	697	749	843
Others 1	37	48	72	78
Size	**17,004**	**20,093**	**22,437**	**24,595**
Production & Manufacturing	1,648	2,125	2,539	3,018
Large scale	93	114	111	127
Medium scale	151	196	202	231
Small scale	365	470	600	778
Cottage scale	1,039	1,345	1,626	1,882
Services	12,221	14,528	16,446	18,282
Large scale	99	101	122	150
Medium scale	218	297	323	388
Small scale	1,224	1,472	1,810	1,773
Cottage scale	10,680	12,658	14,191	15,971
Contract	3,135	3,440	3,452	3,295
Large scale	231	270	261	275
Medium scale	1,038	1,083	1,020	1,096
Small scale	1,866	2,087	2,171	1,924
Cottage scale	...	...	...	0
Type	**17,004**	**20,093**	**22,437**	**24,595**
Production & Manufacturing	1,648	2,125	2,539	3,018
Contract	3,135	3,440	3,452	3,295
Services	12,221	14,528	16,446	18,282

Source: Department of Industry and Department of Cottage & Small Industry, MoEA, Thimphu.

Table 7.4: Number of Contract Firms by Size,by Dzongkhag, Bhutan (June 2018 - June 2019)

Dzongkhag	As of June 2018			Total	As of June 2019			Total
	Size of Contract Firm				Size of Contract Firm			
	Small	Medium	Large		Small	Medium	Large	
Bumthang	67	12	1	80	56	13	1	70
Chhukha	258	44	18	320	183	40	20	243
Dagana	66	7	0	73	59	8	0	67
Gasa	16	0	0	16	15	0	0	15
Haa	58	48	1	107	49	1	49	99
Lhuentse	49	8	4	61	42	8	5	55
Monggar	77	31	5	113	69	33	5	107
Paro	131	76	2	209	115	92	6	213
Pema Gatshel	70	14	1	85	55	15	2	72
Punakha	83	13	4	100	74	12	5	91
Samdrup Jongkhar	82	19	26	127	90	23	26	139
Samtse	95	13	2	110	87	14	3	104
Sarpang	120	26	30	176	121	34	29	184
Thimphu	568	596	146	1,310	496	639	151	1,286
Trashi Yangtse	78	10	5	93	89	10	5	104
Trashigang	102	52	9	163	68	52	9	129
Trongsa	63	13	1	77	68	14	1	83
Tsirang	37	4	0	41	41	4	0	45
Wangdue Phodrang	101	23	2	126	94	24	2	120
Zhemgang	50	11	4	65	53	12	4	69
Bhutan	**2,171**	**1,020**	**261**	**3,452**	**1,924**	**1,048**	**323**	**3,295**

Source: Department of Industry, Department of Cottage & Small Industry, MoEA, Thimphu.

Table 7.5: Number of Industrial Firms by Scale, by Dzongkhag, Bhutan (June 2018 & June 2019)

Dzongkhag	As of June 2018				Total	As of June 2019				Total
	Scale of Industry					Scale of Industry				
	Cottage	Small	Medium	Large		Cottage	Small	Medium	Large	
Bumthang	527	152	33	4	716	567	162	31	4	764
Chhukha	1,858	526	144	84	2,612	2,026	520	151	91	2,788
Dagana	325	108	10	1	444	362	99	12	1	474
Gasa	81	19	0	0	100	82	17	0	0	99
Haa	161	99	52	1	313	206	83	53	1	343
Lhuentse	171	70	8	4	253	193	55	8	5	261
Monggar	664	131	41	9	845	689	132	44	9	874
Paro	1,156	335	141	17	1,649	1,395	325	179	28	1,927
Pema Gatshel	444	147	21	12	624	484	115	22	13	634
Punakha	426	133	33	13	605	500	134	35	14	683
Samdrup Jongkhar	500	270	31	38	839	617	243	38	40	938
Samtse	822	154	45	15	1,036	882	160	53	20	1,115
Sarpang	980	272	46	43	1,341	1,080	328	56	42	1,506
Thimphu	5,391	1,460	771	216	7,838	6,235	1,453	858	243	8,789
Trashi Yangtse	285	96	13	5	399	292	77	13	5	387
Trashigang	534	155	58	12	759	588	140	58	13	799
Trongsa	339	85	23	3	450	349	95	25	3	472
Tsirang	261	79	7	0	347	305	74	7	0	386
Wangdue Phodrang	574	212	55	13	854	669	190	59	15	933
Zhemgang	326	70	12	5	413	332	73	13	5	423
Bhutan	**15,825**	**4,573**	**1,544**	**495**	**22,437**	**17,853**	**4,475**	**1,715**	**552**	**24,595**

Source: Department of Industry, Department of Cottage & Small Industry, MoEA, Thimphu.

Table 7.6: Number of Industries by Type in Cottage and Small by Dzongkhag, Bhutan (June 2018 & June 2019)

Dzongkhag	As of June 2018					All Types (Total)	As of June 2019					All Types (Total)
	Production & Manufacturing		Services		Contract		Production & Manufacturing		Services		Contract	
	Cottage	Small	Cottage	Small			Cottage	Small	Cottage	Small		
Bumthang	90	37	437	48	67	679	94	42	473	64	56	729
Chhukha	89	69	1,769	199	258	2,384	91	102	1,938	222	183	2,536
Dagana	23	17	302	25	66	433	40	21	322	19	59	461
Gasa	7	2	74	1	16	100	8	2	74	0	15	99
Haa	42	20	119	21	58	260	59	22	147	12	49	289
Lhuentse	23	7	148	14	49	241	27	4	166	9	42	248
Monggar	75	12	589	42	77	795	81	17	608	46	69	821
Paro	206	62	950	142	131	1,491	233	77	1,165	126	115	1,716
Pema Gatshel	48	15	396	62	70	591	49	17	435	43	55	599
Punakha	35	11	391	39	83	559	43	16	457	44	74	634
Samdrup Jongkhar	63	34	437	154	82	770	72	36	548	117	90	863
Samtse	83	26	739	33	95	976	103	35	779	38	87	1,042
Sarpang	92	53	888	99	120	1,252	100	89	987	123	121	1,420
Thimphu	388	159	5,003	733	568	6,851	459	216	5,759	756	496	7,686
Trashi Yangtse	118	5	167	13	78	381	118	3	174	8	68	371
Trashigang	97	18	437	35	102	689	122	19	466	32	89	728
Trongsa	24	7	315	15	63	424	22	9	327	18	68	444
Tsirang	34	17	227	25	37	340	49	17	257	16	41	380
Wangdue Pho-drang	39	22	535	89	101	786	53	26	616	68	94	857
Zhemgang	50	7	276	13	50	396	59	8	273	12	53	405
Bhutan	**1,626**	**600**	**14,199**	**1,802**	**2,171**	**20,398**	**1,882**	**778**	**15,971**	**1,773**	**1,924**	**22,328**

Source: Department of Cottage & Small Industry, MoEA, Thimphu.

Table 7.7: Establishments covered by Dzongkhag and Area, Bhutan, 2017

Dzongkhag	Rural	Urban	Total
Bumthang	39	147	186
Chhukha	96	621	717
Dagana	29	38	67
Gasa	20	4	24
Haa	27	41	68
Lhuentse	11	18	29
Monggar	47	93	140
Paro	147	237	384
Pema Gatshel	111	18	129
Punakha	71	136	207
Samdrup Jongkhar	95	142	237
Samtse	125	81	206
Sarpang	41	234	275
Thimphu	101	1527	1628
Trashi Yangtse	62	69	131
Trashigang	34	34	68
Trongsa	39	36	75
Tsirang	8	54	62
Wangdue Phodrang	121	106	227
Zhemgang	15	64	79
Total	**1,239**	**3,700**	**4,939**

Source: Establishment Survey Report, November Edition 2017, MoLHR.

Table 7.8: Establishments covered by Trade Region and Area, Bhutan, 2017

Region	Rural	Urban	Total
Thimphu	487	2,051	2,538
Phuentsholing	221	702	923
Gelephu	78	326	404
Samdrup Jongkhar	206	160	366
Monggar	154	214	368
Trongsa	93	247	340
Total	**1,239**	**3,700**	**4,939**

Source: Establishment Survey Report, November Edition 2017, MoLHR.

Table 7.9: Number of Industries by Type in Cottage and Small by Dzongkhag, Bhutan (June 2018 - June 2019)

Dzongkhag	All Types (Total)	As of June 2018					
		Production & Manufacturing				Services	
		Agro Based	Forest Based	Mineral Based	Other		
Bumthang	34	34	69	9	15	485	
Chhukha	208	61	44	20	33	1,968	
Dagana	10	19	10	10	1	327	
Gasa	0	8	0	1	0	75	
Haa	58	8	50	2	0	140	
Lhuentse	12	12	16	0	2	162	
Monggar	50	19	47	9	13	631	
Paro	164	70	144	17	38	1092	
Pema Gatshel	27	19	32	4	8	458	
Punakha	41	18	21	2	4	430	
Samdrup Jongkhar	58	17	45	16	19	591	
Samtse	54	45	30	23	10	772	
Sarpang	73	64	46	17	16	987	
Thimphu	1,077	145	146	21	238	5,736	
Trashi Yangtse	16	9	105	3	7	180	
Trashigang	67	42	42	11	20	472	
Trongsa	25	14	14	2	1	330	
Tsirang	9	32	15	3	1	252	
Wangdue Phodrang	66	18	28	10	5	624	
Zhemgang	12	18	35	2	2	289	
Bhutan	**2,061**	**672**	**939**	**182**	**433**	**16,001**	

Source: Department of Cottage & Small Industry, MoEA, Thimphu.

	Contract	All Types (Total)	As of June 2019						All Types (Total)
			Production & Manufacturing				Services	Contract	
			Agro Based	Forest Based	Mineral Based	Other			
	67	679	43	71	9	13	537	56	729
	258	2,384	77	46	21	49	2,160	183	2,536
	66	433	35	12	9	5	341	59	461
	16	100	8	1	1	0	74	15	99
	58	258	24	49	4	4	159	49	289
	49	241	14	14	1	2	175	42	248
	77	796	25	50	8	15	654	69	821
	131	1,492	97	150	20	43	1291	115	1,716
	70	591	20	28	8	10	478	55	599
	83	558	27	21	3	9	501	74	635
	82	770	23	43	20	22	665	90	863
	95	975	75	24	23	16	817	87	1,042
	120	1,250	82	51	23	35	1110	121	1,422
	568	6,854	190	143	26	313	6,515	496	7,683
	78	382	9	104	2	6	182	68	371
	102	689	66	45	8	22	498	89	728
	63	424	14	13	3	1	345	68	444
	37	340	43	18	4	1	273	41	380
	101	786	28	34	10	7	684	94	857
	50	396	27	34	4	2	285	53	405
	2,171	**20,398**	**927**	**951**	**207**	**575**	**17,744**	**1,924**	**22,328**

Table 7.10: Number of Industries by Type in Medium and Large by Dzongkhag, Bhutan (June 2018 - June 2019)

Dzongkhag	All Types (Total)	As of June 2018							
		Production & Manufacturing				Services	Contract	Others	
		Agro Based	Forest Based	Mineral Based	Other				
Bumthang	34	1	0	2	2	19	13	0	
Chhukha	208	25	14	14	77	36	62	0	
Dagana	10	0	0	3	1	1	7	0	
Gasa	0	0	0	0	0	0	0	0	
Haa	58	0	0	0	0	4	49	0	
Lhuentse	12	0	0	0	0	0	12	0	
Monggar	50	2	0	5	2	5	36	0	
Paro	164	3	1	5	7	64	78	0	
Pema Gatshel	27	0	1	7	6	4	15	0	
Punakha	41	0	0	0	1	28	17	0	
Samdrup Jongkhar	58	5	0	3	8	8	45	0	
Samtse	54	4	2	26	11	3	15	0	
Sarpang	73	3	2	1	7	18	56	0	
Thimphu	1,077	5	7	5	16	212	742	0	
Trashi Yangtse	16	0	0	2	0	1	15	0	
Trashigang	67	1	0	1	0	7	61	0	
Trongsa	25	0	0	4	1	7	14	0	
Tsirang	9	0	0	1	0	2	4	0	
Wangdue Phodrang	66	4	0	12	2	25	25	0	
Zhemgang	12	0	0	1	0	1	15	0	
Bhutan	**2,061**	**53**	**27**	**92**	**141**	**445**	**1,281**	**0**	

Source: Department of Industry, MoEA, Thimphu.

	All Types (Total)	As of June 2019							All Types (Total)
		Production & Manufacturing				Services	Contract	Others	
		Agro Based	Forest Based	Mineral Based	Other				
	37	2	0	2	0	17	14	0	35
	228	37	12	6	87	40	60	0	242
	12	0	0	3	1	1	8	0	13
	0	0	0	0	0	0	0	0	0
	53	0	0	0	0	4	50	0	54
	12	0	0	0	0	0	13	0	13
	50	2	1	5	2	5	38	0	53
	158	9	1	6	3	91	98	0	208
	33	0	0	11	4	3	17	0	35
	46	2	0	0	0	29	17	0	48
	69	6	1	9	5	8	49	0	78
	61	13	0	26	13	4	17	0	73
	87	8	3	3	3	18	63	0	98
	987	10	9	9	13	270	790	0	1,101
	18	0	0	2	0	1	15	0	18
	70	1	0	1	0	8	61	0	71
	26	0	0	4	1	8	15	0	28
	7	0	0	1	0	2	4	0	7
	68	4	0	14	2	28	26	0	74
	17	0	0	1	0	1	16	0	18
	2,039	**94**	**27**	**103**	**134**	**538**	**1,371**	**0**	**2,267**

Table 7.11: Establishments covered by Trade Region and Sector, Bhutan, 2017

Sector	Construction	Education & Training	ICT	Production	Services	Tourism	Total
Thimphu region	102	100	173	219	1,567	377	2,538
Phuentsholing region	28	17	79	125	607	67	923
Gelephu region	17	7	34	27	287	32	404
Samdrup Jongkhar region	18	8	31	61	211	37	366
Monggar region	24	10	11	59	234	30	368
Trongsa region	44	0	11	39	183	63	340
Total	**233**	**142**	**339**	**530**	**3,089**	**606**	**4,939**

Source: Establishment Survey Report, November Edition 2017, MoLHR.

Table 7.12: Establishments covered by Trade Region and Scale, Bhutan, 2017

Region	Cottage	Small	Medium	Large	Total
Thimphu	1,609	718	179	32	2,538
Phuentsholing	620	224	63	16	923
Gelephu	324	67	13	0	404
Samdrup Jongkhar	273	79	7	7	366
Monggar	296	64	7	1	368
Trongsa	273	55	5	7	340
Total	**3,395**	**1,207**	**274**	**63**	**4,939**

Source: Establishment Survey Report, November Edition 2017, MoLHR.

Table 7.13: Establishment covered by Sector and Scale, Bhutan, 2017

Sector	Cottage	Small	Medium	Large	Total
Construction	71	108	39	15	233
Education & Training	47	60	30	5	142
ICT	240	80	15	4	339
Production	269	192	51	18	530
Services	2,493	518	62	16	3,089
Tourism	275	249	77	5	606
Total	**3,395**	**1,207**	**274**	**63**	**4,939**

Source: Establishment Survey Report, November Edition 2017, MoLHR.

Table 7.14: Establishments covered by Subsector and Scale, Bhutan, 2017

Sub-sector	Cottage	Small	Medium	Large	Total
Automobile Services	100	151	22	0	273
Café,Restauranr & bar	1,629	163	4	0	1,796
Tailoring	187	28	2	0	217
Hair & beauty	229	17	1	0	247
Other services	347	159	33	16	555
Tour operator	103	57	14	0	174
Hotels & resorts	172	192	63	5	432
Pre-primary/primary education	22	29	4	0	55
Secondary education	2	4	16	0	22
Tertiary education	1	0	6	5	12
Training provider	22	27	4	0	53
Film & media	75	35	4	2	116
ICT repair & services	166	45	11	2	224
Production-others	79	80	21	12	192
Production-wood & furniture related	138	82	18	1	239
Production-food related	52	30	12	5	99
Hydro construction	0	4	7	13	24
Non-hydro construction	71	104	32	2	209
Total	**3,395**	**1,207**	**274**	**63**	**4,939**

Source: Establishment Survey Report, November Edition 2017, MoLHR.

Table 7.15: Establishments covered by type of Organization and Scale, Bhutan, 2017

Type of Organization	Cottage	Small	Medium	Large	Total
Sole proprietorship	3,295	1,063	189	7	4,554
Partnership	52	42	12	1	107
Private Limited Company	23	54	33	11	121
Government Owned Company	7	2	16	26	51
FDI/Foreign based company	2	9	14	15	40
NGO/CSO	10	30	7	0	47
Co-operatives	6	7	3	3	19
Total	**3,395**	**1,207**	**274**	**63**	**4,939**

Source: Establishment Survey Report, November Edition 2017, MoLHR.

Table 7.16: Employments covered by Major Economic Activity and Scale, Bhutan, 2017

Major Economic Activity	Cottage	Small	Medium	Large	Total
Mining and Quarrying	6	20	9	3	38
Manufacturing	512	232	52	18	814
Electricity and Gas Supply	2	5	5	3	15
Water Supply, Sewerage, Waste Management and Remediation Activities	1	3	0	0	4
Construction	72	112	38	14	236
Wholesale Trade & Repair of Motor Vehicles	167	169	27	1	364
Transportation and Storage	9	9	6	1	25
Accomodation and Food Service Activities	1,804	359	68	5	2,236
Information and Communication	79	43	4	2	128
Financial and Insurance Activities	2	5	1	8	16
Real Estate Activities	1	2	0	1	4
Professional, Scientific and Technical Activities	126	33	2	1	162
Tour Operator & Other Support Services Activities	153	76	19	0	248
Education	43	60	29	5	137
Human Health and Social Work Activities	9	20	4	0	33
Arts, Entertainment and Recreation	10	7	4	1	22
Others Services Activities	399	51	4	0	454
Activities of Extraterritorial Organizations	0	1	2	0	3
Total	**3,395**	**1,207**	**274**	**63**	**4,939**

Source: Establishment Survey Report, November Edition 2017, 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 June 2019, there were 103,814 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 under the Ministry of Works and Human Settlements 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 11th 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 88 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.

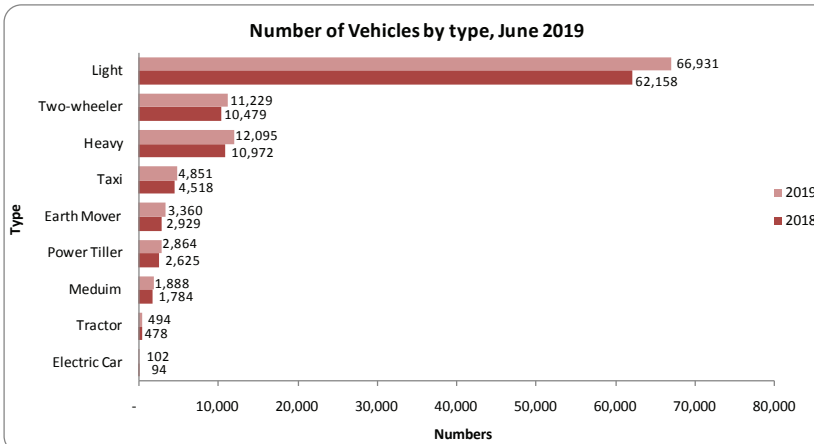

Table 8.1: Number and Length of Motorable Bridges by Type, Bhutan, June 2019

(Length in m)

Type of Bridges	Number	%	Length	%
Permanent bridges				
RCT Beam / T-Girder/Box Grid	75	19.9	1,591.20	11.5
RCC Slab	28	7.4	497.45	3.6
Pre-Stressed Concrete	22	5.8	1,333.55	9.7
RCC Arch	4	1.1	383.00	2.8
Composite	21	5.6	419.00	3.0
Steel Pony Truss	5	1.3	265.00	1.9
Steel Arch	11	2.9	1,059.25	7.7
Steel Hamilton	8	2.1	280.60	2.0
Steel Truss / Girder	22	5.8	1,341.40	9.7
Multicell Box Culvert	8	2.1	406.00	2.9
RCC bridges on GC Roads	5	1.3	57.00	0.4
Temporary (semi-permanent)bridges				
Bailey Bridges	85	22.5	2,634.72	19.1
Bailey Suspension Bridge	2	0.5	231.71	1.7
Bailey Bridges on Farm Roads in various Dzongkhags	14	3.7	451.21	3.3
Bailey bridges on GC & Farm Roads in various Dzongkhags (2011 & 2012)	19	5.0	719.51	5.2
Bailey bridges on GC & Farm Roads in various Dzongkhags (2012 & 2013)	14	3.7	478.66	3.5
Bailey bridges on GC & Farm Roads in various Dzongkhags (2013)	13	3.4	469.51	3.4
Bailey & Bailey Suspension Bridges on GC Roads (2015-June 2018)	11	2.9	564.02	4.1
Bailey & Bailey Suspension Bridges on GCR & SNH Roads (June 2018-June 2019)	10	2.7	625.00	4.5
All bridges	**377**	**100**	**13807.79**	**100**

Source: Bridge Division, DoR , MoWHS, Thimphu.

Table 8.2: Number of Pedestrian Bridges Constructed Since 5Th Five Year Plan by Dzongkhag, June 2019

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	3.64	18
Chhukha	3	5	1	3	4	2	4	1	23	4.19	16
Dagana	3	4	2	5	4	4	6	1	29	5.28	24
Gasa	0	0	2	2	2	1	0	1	8	1.46	4
Haa	3	6	1	4	2	0	1	1	18	3.28	15
Lhuentse	3	4	2	4	4	6	5	4	32	5.83	20
Monggar	9	5	2	5	6	7	7	0	41	7.47	33
Paro	3	8	3	2	2	2	3	1	24	4.37	21
Pema Gatshel	5	11	2	4	6	4	5	1	38	6.92	29
Punakha	3	4	1	1	1	3	3	1	17	3.10	14
Samdrup Jongkhar	7	11	6	3	3	3	7	3	43	7.83	26
Samtse	9	15	2	1	4	2	4	5	42	7.65	32
Sarpang	6	8	5	0	5	3	1	0	28	5.10	18
Thimphu	1	1	3	3	0	4	2	4	18	3.28	13
Trashigang	8	10	2	4	7	7	2	1	41	7.47	30
Trashi Yangtse	3	6	4	3	3	3	7	0	29	5.28	25
Trongsa	4	6	3	4	1	2	2	1	23	4.19	17
Tsirang	5	4	1	2	2	1	1	0	16	2.91	13
Wangdue Phodrang	2	10	5	3	2	3	2	0	27	4.92	25
Zhemgang	1	5	4	4	5	6	4	3	32	5.83	27
Bhutan	**79**	**130**	**54**	**61**	**65**	**65**	**67**	**28**	**549**	**100**	**420**

Source: Suspension Bridge Section ,Bridge Division, Department of Roads, MoWHS, Thimphu.

Table 8.3: Number of Driving Licenses Issued by Region, Bhutan, (2015 - June 2019)

Region	2015	2016	2017	2018	June 2019
Thimphu	52,134	56,007	60,213	63,052	68,363
Phuentsholing	11,676	12,884	14,364	15,306	17,109
Gelephu	13,351	14,466	15,786	16,515	18,067
Samdrup Jongkhar	9,492	10,018	10,684	10,993	11,576
Monggar	681	1,260	1,975	2,336	3,166
PDL (Professional Driving Licence)	16,424	16,734	17,086	17,332	17,575
Total	**103,745**	**111,369**	**120,108**	**125,534**	**135,856**

Note: a. The total driving license for the year 2015 was less with 13 because of cancellation
Source: Road Safety and Transport Authority, MOIC, Thimphu.

Table 8.4: Number of Passengers Carried & Revenue Earned by Druk Air Flights by Area of Operation, (2014-2018)

Area of Operation	2014	2015	2016	2017	2018
International	**210,338**	**204,746**	**225,882**	**254,643**	**263,456**
Paro to Kolkata	9,337	10,764	13,908	13,452	12,622
Kolkata to Paro	8,323	10,516	13,374	13,064	12,472
Paro to Bangkok	28,984	27,971	27,573	29,907	34,260
Bangkok to Paro	27,296	25,946	27,851	29,101	30,914
Paro to Dhaka	4,595	6,918	7,907	8,649	7,275
Dhaka to Paro	4,886	7,169	7,993	9,057	7,694
Paro to Delhi	18,280	22,713	23,684	31,267	32,970
Delhi to Paro	18,242	22,591	24,481	29,888	33,128
Paro to Kathmandu	21,515	11,792	13,912	20,889	22,085
Kathmandu to Paro	21,604	12,155	13,898	21,102	22,290
Kathmandu to Delhi	2,255	2,172	1,601	1,590	1,031
Delhi to Kathmandu	464	1,211	736	594	766
Kolkata to Bangkok	0	899	1,926	1,536	1,060
Bangkok to Kolkata	0	1,281	3,571	2,573	2,418
Dhaka to Bangkok	2,127	44	0	0	0
Bangkok to Dhaka	1,277	23	0	0	0
Gaya to Bangkok	701	468	399	375	570
Bangkok to Gaya	738	390	486	164	325
Paro to Gaya	992	987	1,353	1,168	2,019
Gaya to Paro	891	877	777	1,305	1,686
Paro to Bagdora	2,209	2,120	1,771	1,632	2,318
Bagdora to Paro	2,560	2,512	2,141	2,658	2,960
Bagdora to Bangkok	2,691	2,531	2,513	2,166	2,691
Bangkok to Bagdora	2,401	2,322	2,009	1,990	2,329
Paro to Guwahati	1,306	1,420	1,600	1,606	2,429
Guwahati to Paro	1,043	1,231	1,638	1,768	2,199
Guwahati to Bangkok	1,840	2,259	2,003	1,675	1,738
Bangkok to Guwahati	1,599	2,058	1,577	1,586	1,527
Paro to Singapore	3,915	4,268	6,170	7,105	6,461
Singapore to Paro	3,635	4,400	6,110	6,956	8,497
Kolkata to Singapore	3,877	4,231	5,734	2,509	2,061

cont...

Table 8.4 cont...

Area of Operation	2014	2015	2016	2017	2018
Singapore to Kolkata	4,212	4,534	5,356	3,013	1,942
Kolkata to Dhaka	0	...	...	...	...
Dhaka to Kolkata	0	...	...	...	...
Paro to Mumbai	3,187	2,040	915	2,214	0
Mumbai to Paro	3,356	1,933	915	2,084	0
Guwahati to Singapore	...	...	...	...	366
Singapore to Guwahati	...	...	...	...	353
Domestic	**3,007**	**4,676**	**7,688**	**11,890**	**12,393**
Paro to Bumthang	1,363	2,032	3,704	5,239	4,161
Bumthang to Paro	1,644	2,600	3,510	5,527	4,489
Paro to Gelephu	0	33	137	138	339
Gelephu to Paro	0	11	181	81	282
Paro to Younphula	0	...	...	429	1,386
Younphula to Paro	0	...	...	476	1,462
Gelephu to Bumthang	...	...	81	...	...
Bumthang to Gelephu	...	...	75	...	...
Gelephu to Younphula	...	...	...	...	119
Younphula to Gelephu	...	...	...	...	128
Bumthang to Younphula	...	...	...	...	15
Younphula to Bumthang	...	...	...	...	12
Total Passengers	**213,345**	**209,422**	**233,570**	**266,533**	**275,849**
Revenue (Nu.in millions)	**2,837.00**	**2,698.00**	**2,860.00**	**3,526.45**	**3,695.90**

Note: Revenue includes only total operating revenues.
Source: Druk Air Corporation Ltd., Thimphu.

Table 8.5: Number of Flights Made by Druk Air by International and Domestic by Area of Operation, (2014-2018)

Area of Operation	2014	2015	2016	2017	2018
International	**4,997**	**5,036**	**5,029**	**5,330**	**5,424**
Paro to Kolkata	271	298	357	354	349
Kolkata to Paro	267	320	352	350	348
Paro to Bangkok	479	403	391	406	530
Bangkok to Paro	439	402	390	408	530
Paro to Dhaka	144	190	178	222	196
Dhaka to Paro	130	191	178	222	196
Paro to Delhi	263	311	304	359	359
Delhi to Paro	231	315	304	358	360
Paro to Kathmandu	405	333	369	358	367
Kathmandu to Paro	370	333	356	357	366
Paro to Gaya	23	18	25	35	51
Gaya to Paro	24	16	26	26	42
Gaya to Bangkok	...	...	13	17	25
Bangkok to Gaya	...	...	14	8	16
Delhi to katmandu	117	122	50	53	43
Kathmandu to Delhi	98	122	62	55	44
Bangkok to kolkata	0	98	138	139	150
Kolkata to Bangkok	0	78	138	140	149
Dhaka to Bangkok	99	7	0	0	0
Bangkok to Dhaka	85	7	0	0	0
Paro to Bagdora	149	144	109	104	105
Bagdora to Paro	130	112	89	104	104
Bagdora to Bangkok	146	144	109	104	105
Bangkok to Bagdora	139	112	89	104	104
Paro to Guwahati	106	107	105	104	122
Guwahati to Paro	105	99	103	103	120
Guwahati to Bangkok	104	108	105	104	95
Bangkok to Guwahati	105	101	103	103	95
Paro to Singapore	102	120	139	146	127
Singapore to Paro	100	121	138	147	127
Kolkata to Singapore	102	120	139	146	74
Singapore to Kolkata	100	121	137	142	73

cont...

Table 8.5 cont...

Area of Operation	2014	2015	2016	2017	2018
Kolkata to Dhaka	0	0	0	0	0
Dhaka to Kolkata	0	0	0	0	0
Paro to Mumbai	65	31	9	26	0
Mumbai to Paro	65	32	10	26	0
Singapore to Guwahati	...	...	...	...	25
Guwahati to Singapore	...	...	...	...	27
Domestic	**263**	**295**	**448**	**644**	**880**
Paro to Bumthang	132	142	178	288	258
Bumthang to Paro	131	144	177	289	255
Paro to Gelephu	0	3	31	15	62
Gelephu to Paro	0	3	31	16	59
Gelephu to Bumthang	...	3	15	...	0
Bumthang to Gelephu	...	...	16	...	1
Paro to Younphula	0	0	0	18	70
Younphula to Paro	0	0	0	18	70
Gelephu to Younphula	...	...	...	...	27
Younphula to Gelephu	...	...	...	...	33
Bumthang to Younphula	...	...	...	...	25
Younphula to Bumthang	...	...	...	...	20
All sectors	**5,260**	**5,331**	**5,477**	**5,974**	**6,304**

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

Table 8.6: Number of Passengers Carried & Revenue Earned by Tashi Air Flights by Area of Operation, (2014-2018)

Area of Operation	2014	2015	2016	2017	2018
Paro to Kolkata	5,326	8,839	8,552	9,331	15,842
Kolkata to Paro	5,010	7,499	8,150	8,785	13,379
Paro to Bangkok	16,722	16,226	15,584	19,008	16,818
Bangkok to Paro	17,110	15,670	16,144	17,658	15,979
Kolkata to Bangkok	16,876	13,382	17,700	3,942	7,113
Bangkok to Kolkota	16,628	13,144	17,600	4,834	6,316
Paro to Kathmandu	4,378	5,781	5,687	4,518	5,723
Kathmandu to Paro	4,009	5,815	6,374	3,862	5,110
Paro to Delhi	...	1,422	6,725	7,853	14,215
Delhi to Paro	25	988	6,820	7,241	13,990
Paro to Gaya	...	...	400	544	585
Gaya to Paro	...	...	400	688	560
Bangkok to Gaya	...	...	520	867	2,512
Gaya to Bangkok	...	...	420	896	2,149
Delhi to Kathmandu	...	...	...	2	932
Kathmandu to Delhi	...	...	...	395	1,319
Total Passengers	**86,084**	**88,766**	**111,076**	**90,424**	**122,542**
Revenue (Nu.in millions)	**864.13**	**1,039**	**1,418**	**1,691**	**1,332**

Note: Revenue includes only total operating revenues. It is the income from the passenger sale only.
Source: Bhutan Airlines Corporation Ltd., Thimphu.

Table 8.7: Number of Flights Made by Tashi Air by International and by Area of Operation, (2014-2018)

Area of Operation	2014	2015	2016	2017	2018
Paro to Kolkata	353	327	346	331	316
Kolkata to Paro	351	328	334	328	312
Paro to Bangkok	388	352	353	370	354
Bangkok to Paro	387	351	353	371	346
Kolkata to Bangkok	353	326	327	313	268
Bangkok to Kolkota	351	328	315	309	263
Paro to Kathmandu	110	128	175	129	163
Kathmandu to Paro	110	125	162	120	147
Delhi to Paro	1	21	148	153	211
Paro to Delhi	...	21	148	152	206
Paro to Gaya	...	...	8	20	41
Gaya to Paro	...	...	8	20	41
Bangkok to Gaya	...	...	8	20	41
Gaya to Bangkok	...	...	8	20	41
Kathmandu to Delhi	...	...	...	14	96
Delhi to Kathmandu	...	...	...	8	80
All sectors	**2,404**	**2,307**	**2,693**	**2,678**	**2,926**

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

Table 8.8: Type of Helicopter Services and Number of Flights Made, 2018

Type of Services	No. of Flights
Medical Evacuations	180
Fire Fighting	20
Airlifting of relief materials during the flood	0
Aerial Works	3
Tourist Charter	173
Local Charter	106
Local Charter - Highlanders	179
Total	**661**

Source: Annual Info-Comm and Transport Statistics, MoIC, Thimphu.

Table 8.9: Number of Telephone Connection Capacity by Dzongkhag, (2014-2018)

Dzongkhag	2014	2015	2016	2017	2018
Bumthang	662	612	503	521	612
Chhukha	2,763	2,706	2,535	2,448	2,475
Dagana	183	103	172	179	176
Gasa	45	42	65	67	73
Haa	356	326	301	305	289
Lhuentse	128	138	136	123	134
Monggar	705	671	610	586	556
Paro	1,768	1,560	1,689	1,737	1,621
Pema Gatshel	270	172	211	204	214
Punakha	552	442	424	383	373
Samdrup Jongkhar	1,063	946	922	890	928
Samtse	723	620	557	540	560
Sarpang	1,217	1,218	1,031	984	985
Thimphu	10,417	9,578	9,445	9,993	10,525
Trashigang	784	761	675	643	637
Trashi Yangtse	159	152	167	173	189
Trongsa	416	377	380	363	375
Tsirang	272	250	224	197	217
Wangdue Phodrang	1,057	799	734	740	784
Zhemgang	283	338	300	288	292
Bhutan	**23,823**	**21,811**	**21,081**	**21,364**	**22,015**

Source: Ministry of Information & Communication, Thimphu.

Table 8.10: Number of Telephone Trunk Circuits, Bhutan, June 2019

Sector	Type of Connection	No. of Circuits
Thimphu Softswitch- USA (TELCO)	No trunk circuits	
Thimphu Softswitch- Thimphu Bmobile	N°7	337
Thimphu Softswitch- Phuentsholing (NEC)	No trunk circuits	
Thimphu Softswitch- Samtse (NEC)	No trunk circuits	
Thimphu Softswitch- Wangdue (E10)	No trunk circuits	
Thimphu Softswitch- Singapore (SINGTEL)	N°7	26
Thimphu Softswitch- Thailand (CAT Telecom)	N°7	30
Thimphu Softswitch- Thimphu Tashicell (National trunk)	N°7	246
Thimphu Softswitch- Bangladesh (MIRT)	N°7	29
Thimphu Softswitch- Nepal (NTC)	N°7	30
Thimphu Softswitch- Samdrupjongkhar (Corvan)	No trunk circuits	
Thimphu Softswitch- London (British Telecom)	No trunk circuits	
Thimphu Softswitch- Thimphu Tashicell International	N°7	123
Thimphu Softswitch- India (BSNL Chennai)	N°7	122
Thimphu Softswitch- India (BSNL Delhi)	N°7	122
Thimphu Softswitch- India (Airtel Chennai)	N°7	91
Thimphu Softswitch- India (Airtel Delhi)	N°7	122
Thimphu Softswitch- India (RELIANCE)	N°7	61
Thimphu Softswitch-Thimphu Druk Air (PRA)	PRA link	30
Thimphu Softswitch-Thimphu BPC (PRA)	PRA link	30
Thimphu Softswitch-Thimphu BOB CC (PRA)	PRA link	30
Thimphu Softswitch-Thimphu NRDCL (PRA)	PRA link	40
Thimphu Softswitch-Thimphu BT EPBAX (PRA)	PRA link	30
Thimphu Softswitch-Thimphu RBP (PRA)	PRA link	30
Thimphu Softswitch-Thimphu UNDP (PRA)	PRA link	30
Thimphu Softswitch-Thimphu LAND COMMISSION (PRA)	PRA link	30
Thimphu Softswitch-Thimphu BHUTAN HOTEL (PRA)	PRA link	30
Thimphu Softswitch- Thimphu DCCL (PRA)	PRA link	30
Thimphu Softswitch- Thimphu MoH (PRA)	PRA link	30
Thimphu Softswitch- Thimphu BTL (PRA)	PRA link	30
Thimphu Softswitch- Paro LE MERIDIEN(PRA)	PRA link	30
Thimphu Softswitch- Thimphu Bhutan Post (PRA)	PRA link	30
Thimphu Softswitch- Thimphu G2C (PRA)	PRA link	30
Thimphu Softswitch- Thimphu BoB (PRA)	PRA link	30

cont...

Table 8.10 cont...

Sector	Type of Connection	No. of Circuits
Thimphu Softswitch- Thimphu NPPF (PRA)	PRA link	30
Thimphu Softswitch- Thimphu BNB (PRA)	PRA link	30
Thimphu Softswitch- Thimphu RICBL (PRA)	PRA link	30
Thimphu Softswitch-PRA DRC (PRA)	PRA link	30
Thimphu Softwitch-Thimphu DGPC (PRA)	PRA link	30
Thimphu Softswitch-Phuntsholing DGPC (PRA)	PRA link	30
PRA_Supreme Court	PRA link	30
PRA_Gelephu Hospital	PRA link	30
PRA_Six Senses _Thm	PRA link	30
PRA_Pling_RICB	PRA link	30
PRA_RICBL_Thimphu_0	PRA link	30
PRA_DusitD2Hotel_Thimphu	PRA link	30
Thimphu Softswitch- Japan (KDDi) (VoIP)	VoIP	120
Thimphu Softswitch- Japan (KDDi) (ONLY JAPAN) (VoIP)	VoIP	4
Thimphu Softswitch- CAT Telecom (VoIP)	VoIP	80
Thimphu Softswitch- USA (TELCO) (VoIP)	VoIP	60
Thimphu Softswitch- MIR Telecom (VoIP)	VoIP	60
Thimphu Softswitch- GET A CALL (VoIP)	VoIP	200
Thimphu Softswitch-Bmobile SIP Thimphu	VoIP	1000
Thimphu Softswitch-Bmobile SIP Kanglung	VoIP	1000
Thimphu Softswitch-TATA_SINGAPORE GSX A	VoIP	300
Thimphu Softswitch-TATA_SINGAPORE GSX B	VoIP	300
Trongsa - Zhemgang (corDECT)	No trunk circuits	
Trongsa - Zhemgang (corVAN)	No trunk circuits	
Trongsa - Phuntsholing (NEC)	No trunk circuits	
Phuentsholing - Samtse	No trunk circuits	
Total trunk lines (National, International and DAMA)	**5,313**	

Source: Ministry of Information & Communication, Thimphu.

Table 8.11: Number of Trunk Lines, Connection Capacities, Sets in Use & Mobile Subscribers, (2014-2018)

Details	2014	2015	2016	2017	2018
Trunk lines	2,906	2,314	2,434	2,242	2,362
Satellite Communications	783	...	...	...	633
International Lines	783	...	...	...	633
Digital Microwave	...	...	...	...	...
Digital Radio Concentrator System	...	...	...	...	...
DRMASS	...	...	...	...	...
VOIP (International)	264	424	424	424	1,124
SDH	...	...	...	...	...
Connection capacity	48,534	44,192	44,144	43,368	37,760
Telephone sets in use	26,952	21,460	21,081	21,364	22,015
B-Mobile Subscribers	454,543	486,228	475,373	475,394	437,152
Internet (B-mobile)	250,907	337,969	375,007	438,307	437,152
3 G	181,585	337,969	375,007	438,307	437,152
GPRS/EDGE	69,322	...	...	...	...
Internet (Druknet)	25,204	28,037	16,753	15,921	9,618
Broadband	24,904	27,606	16,172	15,323	8,846
Leased Line	300	431	581	598	772

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

Source: Ministry of Information & Communication, Thimphu.

Table 8.12: Number of Telephone Trunk Calls and Revenue Earnings, Bhutan, (2014-2018)

Type of Call	2014	2015	2016	2017	2018
Domestic calls	16,744,884	16,156,253	15,014,226	15,977,980	21,219,654
International calls [1]	588,679	441,089	377,738	332,676	563,033
India	495,364	375,266	325,722	291,204	482,296
Other	93,315	65,823	52,016	41,472	80,736
All calls	**17,333,563**	**16,597,342**	**15,391,964**	**16,310,656**	**21,782,687**
Revenue earnings (Nu. In Million)	**98**	**93**	**102**	**95**	**89**

Note: [1] Due to space constraints in BT system, they have data for 9 months only (April till December) for both India & Other under International calls.
Revenue Earnings are Revenue from Telephone Trunk Calls only

Source: Ministry of Information & Communication, Thimphu.

Table 8.13: Number of B-Mobile Trunk Calls and Revenue Earnings, Bhutan, (2014 - 2018)

Type of Call	2014	2015	2016	2017	2018
Total no. of subcribers	454,543	486,228	475,373	475,394	437,152
Domestic calls	...	...	...	...	...
International calls	...	...	...	...	...
India	...	...	...	...	...
Other	...	...	...	...	...
Mobile/GPRS subscribers	69,322	...	...	...	...
Mobile 3G	181,585	337,969	375,007	438,307	437,152
Revenue earnings (Nu.in Million)	**2,305**	**2,691**	**3,038**	**3,194**	**3,569**

Note: a. Revenue Earnings are revenue from three services (mobile, Internet and FL)
Source: Bhutan Telecom Ltd & Ministry of Infromation & Communication, Thimphu.

Table 8.14: Number of Tashicell Trunk Calls and Revenue Earnings, Bhutan, (2014-2018)

Type of Call	2014	2015	2016	2017	2018
Total no. of subcribers	161,993	189,805	223,266	255,229	266,402
Domestic calls	19,307,646	74,013,660	151,060,457	86,250,668	89,831,320
International calls	6,805,167	6,004,497	10,107,815	7,402,851	5,615,417
India	6,540,465	5,800,733	...	7,230,994	5,489,939
Others	264,702	203,764	...	171,857	125,478
GPRS/EDGE/3G/4G	74,595	119,893	177,668	206,068	235,784
Revenue earnings (Nu. In Million)	**750.70**	**918.47**	**27.71**	**88.00**	**79.62**

Note: a. The figures mentioned here for the domestic and international calls are counts not minutes of calls.
b. And the figures includes both prepaid and postpaid calls made.
Source: Tashi Infocomm Ltd., Ministry of Information & Communication, Thimphu.

Table 8.15: Number of Postal Infractructures, (2014-2018)

Postal Infrastructure	2014	2015	2016	2017	2018
General Post Offices	4	4	4	4	4
Post Offices	39	36	37	39	39
Community Mail Offices	41	35	34	6	6
Fax Offices	44	41	41	39	43
Total	**128**	**116**	**116**	**88**	**92**

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

Table 8.16: Volume of Mail, by Type of Article, (2014-2018)

Type of Service	2014	2015	2016	2017	2018
Domestic Mail					
Ordinary Mail	306,070	102,168	129,817	66,635	72,410
Registered	89,956	73,990	64,083	...	56,273
Parcel	1,033	680	210	...	21
Facsimile message	2,666	3,124	1,989	879	343
Newspapers	9,903	16,379	15,570	...	26,514
Local Urgent Mail (LUM)	145,787	145,684	152,391	24,004	122,156
Express mail service (EMS)	10,496	12,574	26,148	27,872	136,318
International Mail Dispatch					
Ordinary Mail	60,239	22,367	18,190	5,450	19,731
Registered	6,985	6,539	6,033	5,750	4,693
Parcel	56	168	110	50	23
FedEx	355	305	394	322	2,176
TNT	...	...	...	...	140
Facsimile message	183	108	18	...	...
Post Overnight Courier (POC)	2,786	884	2,888	973	869
Express mail service (EMS)	2,589	3,648	4,748	7,005	9,415
International Mail Receipt					
Ordinary Mail	246,223	170,436	246,640	...	85,302
Registered	8,040	13,289	38,628	75,428	25,104
Parcel	2,185	2,176	2,615	3,136	3,500
FedEx	1,101	1,492	3,588	1,890	8,298
TNT	...	...	...	...	409
Facsimile message	228	75	...	...	...
Post Overnight Courier (POC)	2,291	2,047	1,952	859	1,676
Express mail service (EMS)	6,087	7,564	8,078	7,278	7,592
Revenue Earnings (Nu. in million)	115.40	123.19	152.26	...	...
Total mail items	**905,259**	**483,652**	**724,090**	**227,531**	**582,963**

Source:Bhutan Postal Corp. Ltd, Thimphu.

Table 8.17: Financial Services, Number and Value of Money Order by Type, Bhutan, (2014-2018)

Type	2014	2015	2016	2017	2018
Total money orders (sent)					
Number of orders	33,906	21,609	14,619	...	5,532
Amount of orders	81,468,850	88,445,927	52,872,362	...	23,040,540
Domestic money order (receipt)					
Number of orders	32,165	18,889	13,363	...	4,984
Amount of orders	65,421,740	53,303,329	39,783,948	18,472,135	16,792,260
International money order Dispatched					
Number of orders	1,740	2,720	1,256	...	548
Amount of orders	16,046,110	35,142,589	13,088,414	11,904,046	6,248,280
Receipts					
Number of orders	1	0	0	0	0
Amount of orders	1,000	0	0	0	0
Others					
Number of pensioners	1,723	1,833	1,839	1,441	1,298
Amount of pensioners	53,471,807	56,065,814	57,171,344	49,182,092	57,409,045
WUMT Receipts					
Numbers	16,295	22,189	31,634	39,966	37,816
Amount (USD)	7,516,253.49	9,943,621.00	14,279,136.00	1,125,306,451.00	14,569,764.00
WUMT Sent					
Numbers	1,310	1,389	973	170	129
Amount (USD)	420,030.38	568,883.43	268,718.00	2,379,722.00	32,260.00

Source:Bhutan Postal Corp. Ltd, Thimphu.

Table 8.18: Volume of Mail, by Type of Article, DHL, (2014-2018)

Type of Service	2014	2015	2016	2017	2018
Inbound					
Documents (DOX)	7,871	5,760	5,200	5,820	6,120
World wide Express (WPX)	3,511	2,592	2,100	2,510	3,213
Outbound					
Documents (DOX)	5,349	2,753	2,550	2,725	2,980
World wide Express (WPX)	4,613	426	432	498	591
Revenue Earnings (Nu. In million)	**222.60**	**20.10**	**19.10**	**19.80**	**20.40**
Total mail items	**21,344**	**11,531**	**10,282**	**11,553**	**12,904**

Source: DHL Courier Service, Thimphu.

Electricity is the main energy source of lighting in 99 percent of households in Bhutan as per the Bhutan Living Standard Survey (BLSS) 2017. It is also the most widely used sources of energy for cooking with 94.9 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 1703.95 MU, 380.03 MU and 305.57 MU respectively in 2018. 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. Later on February 2015 another power plant called Dagachu was also commissioned with the installed capacity of 108 MW which generated 366.01 MU in the year 2018. In 2018, the total electricity generation was 6,940.58 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.

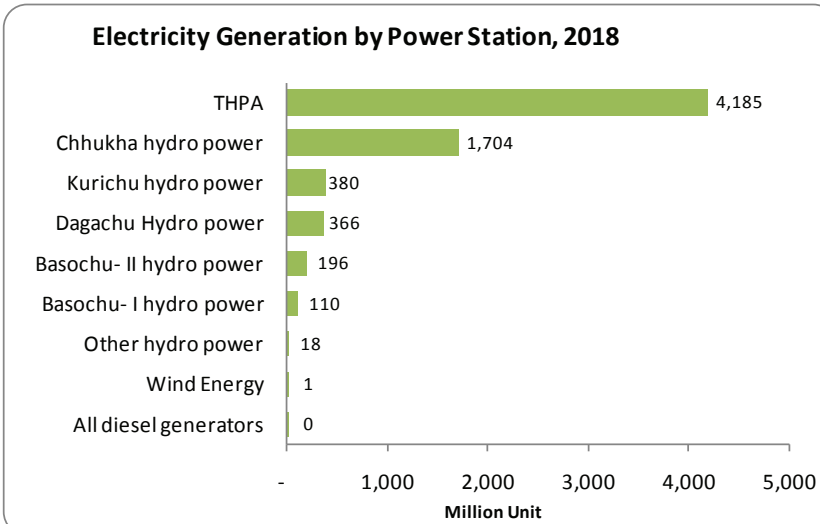

Table 9.1: Details of Diesel Generator Sets, Bhutan, 2018

Dzongkhag	No. & Rating of Machines (No.X kVA)	Total Capacity (kVA)	Energy Generated (KWh)
Bumthang	DG set - I (380 kVA) DG set - II(380 kVA) DG set - III(380 kVA)	1,140.00	0.00
Chhukha	DG set (380 kVA) DG set (125 kVA)	505.00	22,980.00
Dagana	DG set(380 kVA)	380.00	0.00
Gelephu	DG set (350kVA) DG set (318 kVA) DG set (515kVA)	1,183.00	87.00
Monggar	DG set (380 kVA)	380.00	0.00
Pema Gatshel	DG set (380 kVA)	380.00	0.00
Samdrup Jongkhar	DG set (380 kVA)	380.00	0.00
Thimphu	DG set (10 kVA) DG set (1250 kVA) DG set (1250 kVA) DG set (125 kVA) DG set (380 kVA) DG set (125 kVA)	3,140.00	12130.02
Trongsa	DG set (250 kVA)	250.00	0.00
Trashi Yangtse	DG set(380 kVA)	380.00	0.00
Trirang	DG set (380 kVA)	380.00	0.00
Zhemgang	DG set (380 kVA)	380.00	0.00
Samtse	DG set (50 kVA)	50.00	0.00
Total	**(8,928 kVA)**	**8,928.00**	**35,197.02**

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

Table 9.2: Hydro Generating Stations and Their Capacities, Bhutan, (2016-2018)

Generating Stations	2016						
	Installed Capacity	Generating Capacity	Peak Generation	Energy Generation	Year of Commissioning	Installed Capacity	
	(No. x MW)	(MW)	(MW)	(GWh)		(No. x MW)	
Large Hydroelectric plants							
Chhukha	4X84.00	360.000	368.000	1929.682	1986-88	4X84.00	
Kurichu (Mongar)	4X15.00	60.000	64.000	390.748	2001	4X15.00	
Basochu..I (W/phodrang)	2X12.00	24.000	24.000	116.707	2002	2X12.00	
Basochu..II (W/phodrang)	2X20.00	40.000	40.000	205.969	2004	2X20.00	
Tala (Chukha)	6X170.00	1020.000	1122.000	4924.505	2006-07	6X170.00	
Dagachu (Dagana)	2X63.00	108.000	118.000	374.232	42036	2X63	
Total	**1606.000**	**1612.000**	**1736.000**	**7941.843**		**1606.000**	
Mini and Micro Hydels	**(No. x kW)**	**(kW)**	**(MW)**			**(No. x kW)**	
Jushina (Thimphu)	4x90	...	0.180	1.273	1967	4x90	
Hesothangkha (Wangdue)	3x100	...	0.680	0.093	1972	3x100	
Chenari (Tashigang)	3x250	...	0.000	0.000	1972	3x250	
Gidakom (Thimphu)	5x250	...	0.675	4.738	1973	5x250	
Khalanzi (Mongar)	3x130	...	0.000	0.000	1976	3x130	
Chumey (Bumthang)	3x500	...	0.000	0.000	1988	3x500	
Gangzur (Lhuentse)	2x60	...	0.030	0.018	2000	2x60	
Rukubji (Wangdue)	1x40	...	...	0.016	1986-87	1x40	
Tangsibji (Trongsa)	1x30	...	0.000	0.047	-do-	1x30	
Sherabling (Trongsa)	1x50	...	0.000	0.000	-do-	1x50	
Bubja (Trongsa)	1x30	...	0.000	0.000	-do-	1x30	
Tamzhing (Bumthang)	1x30	...	...	0.015	-do-	1x30	
Ura (Bumthang)	1x50	...	...	0.265	-do-	1x50	
Surey (Sarpang)	Dismantled	...	0.000	0.000	-do-	1x20	
Kekhar (Zhemgang)	1x20	...	...	0.000	-do-	Dismantled	
Changchey (Tsirang)	2x100	...	0.660	0.252	1991	2x100	
Tingtibi (Zhemgang)	2x100	...	0.087	0.117	1992	2x100	
Darachhu (Dagana)	2x100	...	0.285	0.385	1992	2x100	
Lingzhi (Thimphu)	1x8	...	...	...	1999	1x8	
Rangjung (Tashigang)	2x1100	...	0.746	2.810	1996	2x1100	
Rongchu (Lhuentse)	2x100	...	0.480	0.765	2001	2x100	
Chendebji (Trongsa)	1x70	...	0.063	0.185	2005	1x70	
Sengor (Mongar)	1x100	...	0.035	0.049	2007	1x100	
Total	**8098.000**	**...**	**3.921**	**11.027**		**8098.000**	

Note: The generating capacity of power plants 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.

2017				2018				
	Generating Capacity	Peak Generation	Energy Generation	Year of Commissioning	Installed Capacity	Generating Capacity	Peak Generation	Energy Generation	Year of Commissioning
	(MW)	(MW)	(GWh)		(No. x MW)	(MW)	(MW)	(GWh)	
	360.000	368.000	1,883.18	1986-88	4X84.00	360.000	369.208	1703.952	1986-88
	60.000	66.000	389.56	2001	4X15.00	60.000	66.000	380.029	2001
	24.000	24.900	122.55	2002	2X12.00	24.000	24.900	109.575	2002
	40.000	40.280	216.43	2004	2X20.00	40.000	40.280	195.991	2004
	1020.000	1122.000	4,645.10	2006-07	6X170.00	1020.000	1122.000	4185.000	2006-07
	108.000	126.770	460.35	Feb-15	2X63	108.000	126.000	366.035	Feb-15
	1612.000	**1747.950**	**7,256.82**		**1606.000**	**1612.000**	**1748.388**	**6940.581**	
	(kW)	(MW)	(GWh)		(No. x kW)	(kW)	(MW)	(GWh)	
	...	0.050	0.330	1967	4x90	...	0.390	2.072	1967
	...	0.080	0.242	1972	3x100	...	0.088	0.313	1972
	...	0.000	0.000	1972	3x250	...	0.000	0.000	1972
	...	0.675	4.072	1973	5x250	...	0.630	3.277	1973
	...	0.000	0.798	1976	3x130	...	0.194	1.294	1976
	...	0.000	0.000	1988	3x500	...	1.671	4.594	1988
	...	0.030	0.136	2000	2x60	...	0.020	0.005	2000
	...	...	0.000	1986-87	1x40	...	...	0.003	1986-87
	...	0.000	0.011	-do-	1x30	...	0.000	0.000	-do-
	...	0.000	0.011	-do-	1x50	...	0.050	0.081	-do-
	...	0.000	0.000	-do-	1x30	...	0.000	0.000	-do-
	...	...	0.000	-do-	1x30	...	0.000	0.000	-do-
	...	...	0.018	-do-	1x50	...	0.037	0.049	-do-
	...	0.000	0.000	-do-	1x20	...	0.000	0.000	-do-
	...	...	0.000	-do-	Dismantled	...	0.000	0.000	-do-
	...	0.083	0.214	1991	2x100	...	0.078	0.376	1991
	...	0.143	0.347	1992	2x100	...	0.147	0.637	1992
	...	0.323	0.490	1992	2x100	...	0.258	0.177	1992
	...	...	...	1999	1x8	...	...	...	1999
	...	1.387	4.166	1996	2x1100	...	1.280	5.021	1996
	...	0.155	0.372	2001	2x100	...	0.000	0.000	2001
	...	0.000	0.000	2005	1x70	...	0.045	0.115	2005
	...	0.058	0.013	2007	1x100	...	0.025	0.041	2007
	...	**2.984**	**11.222**		**8098.000**	**...**	**4.913**	**18.054**	

Table 9.3 Major Transmission Lines, 2018

Line Name	No. of Towers	400 kV	220 kV		132 kV		
		D/C	S/C	D/C	S/C	D/C	
Tala - Khogla	104	24.615					
Tala - Malbase - Pugli	48	49.528					
Chukha-Gedu-India Border	97			35.780			
Chukha-Gedu-Malbase	95		29.841				
Chukha-Semtokha	144		54.010				
Semtokha-Rurichhu	106		44.900				
Rurichhu - Tsirang	114		46.600				
Malbase-India Border (Birpara)	6		4.075				
Malbase Singhigaon (Fdr-I)	6		2.607				
Malbase Singhigaon (Fdr-II)	12						
Kurichhu-Kilikhar	28				10.060		
Kilikhar-Kanglung	81				29.705		
Kilikhar-Tangmachhu (Lhuntse)	114				42.800		
Kurichhu- Nangkor	98				31.078		
Nangkor-Deothang	60				23.300		
Nangkor-Nganglam	102				33.793		
Nganglam-Tingtibi	246				83.296		
Gelephu-Pelrithang (Lodrai)	122				10.784		
Pelrithang (Lodrai) - Tingtibi	20				34.956		
Gelephu-India Border	1				0.100		
Deothang-Motanga	38				10.451		
Motanga - India border					...		
Tingtibi - Yurmoo	83				32.628		
Chhukha-Chumdo	200						
Chumdo-Khasadrapchu							
Khasadrapchu-Olakha							
Khasadrapchu - Jemina	23						
Chumdo-Paro	84						
Chumdo-Haa	123						
Watsa Tie Line	4						
Semtokha-Olakha	7						

66kV					Conductor Type	Remarks
	S/C	D/C	Q/C	UG Cable		
					Twin Moose ACSR	
					Twin Moose ACSR	
					Zebra ACSR	
					Zebra ACSR	
					Zebra ACSR	
					Zebra ACSR	Charged at 66kV
					Zebra ACSR	
					Zebra ACSR	
					Zebra ACSR	
					Zebra ACSR	
					Panther ACSR	
					Panther ACSR	Realigned at Kililkar(2012)
					Panther ACSR	22-Feb-02, Charged at 33kV
					Panther ACSR	Relocated KP20 KP21(2013)
					Panther ACSR	
					Panther ACSR	Realigned at Denchi(2012)
					Panther ACSR	
					Panther ACSR	
					Panther ACSR	
					Panther ACSR	
					Panther ACSR	
					Panther ACSR	reroute in 2016
					Panther ACSR	
	36.980				Dog ACSR	
	4.780				Dog ACSR	
	11.740				Dog ACSR	1 km 66kV UG Cabling at IT Park
		5.960			Dog ACSR	
	24.010				Dog ACSR	
	33.400				Dog ACSR	
	0.500				Dog ACSR	
	1.700				Dog ACSR	

cont...

Table 9.3 cont...

Line Name	No. of Towers	400 kV	220 kV		132 kV		
		D/C	S/C	D/C	S/C	D/C	
Semtokha - Lobeysa	81						
Lobeysa-Rurichhu	76						
Rurichhu-Hebisa	14						
Semtokha-Dechencholing	46						
Chhukha-Gedu	73						
Gedu-Phuentsholing	67						
Phuentsholing-Gomtu	95						
Malbase-Phuentsholing	24						
Malbase-Pasakha (multi circuit)	17						
Malbase Samtse-Singhigaon	107			41.642			
Samtse-Sibsoo	96						
Samtse-Gomtu	53						
Yurmoo-Trongsa	73						
Yurmoo-Bumthang	134						
Tsirang- Jigmeling	69			30.565			
Tsirang-Dagachu Port head yard	56			20.202			
Jigmeling-Pelrithang(Lodrai)	28			10.420			
Tshendengang-Dagapela (LILO)	20			4.396			
Khasadrapchu-Olakha							
Pasakha Industrial Area							
Motanga-Phuntshothang	61					21.590	
Total	**3356**	**74.143**	**182.033**	**143.005**	**342.951**	**21.590**	

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

66kV					Conductor Type	Remarks
	S/C	D/C	Q/C	UG Cable		
	24.430				Dog ACSR	Realigned at Dochula
	20.300				Dog ACSR	
	3.080				Dog ACSR	
	11.450				Dog ACSR	
	20.400				Dog ACSR	
	16.700				Dog ACSR	
	26.900				Dog ACSR	
	8.690				Dog ACSR	reroute in 2016
			3.405		Dog ACSR	
					Zebra ACSR	Capitalized in 2014
		26.958			Wolf ACSR	Capitalized in 2014
		14.851			Wolf ACSR	Capitalized in 2014
	20.940				Wolf ACSR	Charged at 33kV
	34.856				Wolf ACSR	Charged at 33kV
					Zebra ACSR	2013
					Zebra ACSR	2013
					Zebra ACSR	Charged at 132kV(2013)
					Zebra ACSR	2013
				1.000	UG	IT Park 2013
				5.018	UG	Pasakha Industrial Area
					Panther ACSR	21.59 is Dead end to dead end. Actual line length is 21.626 km.
	300.856	**47.769**	**3.405**	**6.018**		**1121.769**

Table 9.4: Monthly Revenue From Sale of Energy from Chhukha Power Plant, (2015-2018)

(Nu. in Million)

Month	2015			2016			2017			2018		
	Export	Internal	Total	Export	Internal	Total	Export	Internal	Total	Export	Internal	Total
January	68.90	49.40	118.30	83.96	47.19	131.15	120.54	100.03	220.58	31.76	104.36	136.12
February	37.35	42.24	79.60	42.01	43.30	85.32	52.39	78.43	130.82	0.00	90.79	90.79
March	69.84	39.23	109.07	72.87	41.40	114.27	109.92	96.11	206.03	0.00	94.34	94.34
April	322.04	26.94	348.98	216.36	38.73	255.09	339.89	67.57	407.45	59.43	74.17	133.61
May	354.83	10.84	365.67	234.60	39.99	274.59	321.10	60.40	381.50	313.92	58.55	372.47
June	483.13	1.63	484.76	435.61	31.40	467.01	468.27	56.40	524.67	456.01	55.96	511.97
July	624.09	0.00	624.09	686.97	52.21	739.18	813.82	67.31	881.13	796.42	63.08	859.49
August	616.15	0.00	616.15	687.53	52.21	739.74	790.18	71.25	861.42	801.81	66.15	867.96
September	616.69	11.47	628.16	677.92	46.61	724.53	707.62	68.69	776.31	694.07	62.16	756.24
October	472.73	25.13	497.86	802.27	49.56	851.83	588.18	70.25	658.42	356.91	70.74	427.65
November	222.71	40.63	263.34	415.22	69.28	484.50	255.98	88.06	344.04	139.11	91.19	230.30
December	123.48	47.68	171.16	208.31	62.41	270.73	113.44	108.36	221.80	38.33	99.50	137.83
Total	**4011.96**	**295.19**	**4307.15**	**4563.64**	**574.29**	**5137.93**	**4681.31**	**932.87**	**5614.18**	**3687.77**	**931.01**	**4618.77**

Note: a. 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, (2015-2018)

(Nu. in Million)

Month	2015			2016			2017			2018		
	Export	Internal	Total	Export	Internal	Total	Export	Internal	Total	Export	Internal	Total
January	33.86	141.10	174.96	9.44	121.50	130.94	45.20	180.89	226.09	4.02	208.93	212.95
February	23.01	108.01	131.03	0.00	123.04	123.04	13.17	170.10	183.28	0.00	162.47	162.47
March	39.72	122.89	162.61	14.40	117.29	131.69	58.91	190.77	249.68	6.30	185.21	191.51
April	146.51	94.33	240.85	89.15	100.46	189.62	137.01	181.23	318.24	0.00	230.48	230.48
May	497.32	84.66	581.98	273.78	100.37	374.15	364.43	200.77	565.20	343.61	205.62	549.23
June	837.04	45.93	882.97	651.31	55.24	706.56	646.24	193.49	839.73	618.37	183.44	801.81
July	1,341.20	0.00	1,341.20	1,267.54	0.00	1,267.54	1,402.40	252.67	1,655.06	1,380.34	247.05	1,627.39
August	1,367.32	0.00	1,367.32	1,304.07	0.00	1,304.07	1,409.26	249.74	1,659.00	1,379.61	271.48	1,651.09
September	1,305.72	0.00	1,305.72	1,281.66	0.00	1,281.66	1,206.11	202.11	1,408.22	1,161.34	208.13	1,369.46
October	650.75	64.86	715.61	1,031.88	9.70	1,041.58	670.12	227.34	897.47	384.36	205.44	589.80
November	241.47	100.20	341.67	377.40	67.27	444.67	211.11	216.61	427.72	114.36	203.83	318.19
December	93.16	129.79	222.95	163.56	91.32	254.89	75.37	216.21	291.59	3.48	222.72	226.20
Total	**6,577.10**	**891.77**	**7,468.87**	**6,464.21**	**786.19**	**7,250.40**	**6,239.32**	**2,481.94**	**8,721.26**	**5,395.79**	**2,534.80**	**7,930.59**

Note: a. 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, (2015-2018)

(Nu. in Million)

Month	2015			2016			2017			2018		
	Export	Internal	Total	Export	Internal	Total	Export	Internal	Total	Export	Internal	Total
January	0.00	43.83	43.83	48.89	0.00	48.89	0.00	23.27	23.27	0.000	23.78	23.78
February	0.00	37.92	37.92	43.66	0.00	43.66	0.00	19.13	19.13	0.000	19.99	19.99
March	0.00	42.48	42.48	48.09	0.00	48.09	0.00	27.23	27.23	0.000	27.12	27.12
April	0.00	32.13	32.13	18.81	0.00	18.81	0.00	43.26	43.26	0.000	37.29	37.29
May	30.27	26.62	56.89	10.34	6.79	17.13	19.70	46.34	66.04	10.97	55.14	66.12
June	36.81	26.45	63.26	0.00	26.55	26.55	28.25	49.08	77.32	27.01	51.90	78.91
July	37.23	18.48	55.70	0.00	30.53	30.53	26.59	54.70	81.29	35.63	49.83	85.46
August	33.75	27.08	60.83	0.00	33.55	33.55	35.18	49.01	84.19	24.96	54.53	79.49
September	33.59	11.03	44.63	0.00	27.54	27.54	33.04	49.77	82.81	30.93	50.38	81.31
October	19.60	13.50	33.10	0.00	26.63	26.63	30.46	48.23	78.69	8.71	57.55	66.26
November	0.00	28.49	28.49	0.00	0.00	0.00	0.00	40.79	40.79	0.000	37.92	37.92
December	0.00	42.85	42.85	19.87	0.00	19.87	0.00	30.51	30.51	0.000	27.46	27.46
Total	**191.25**	**350.86**	**542.11**	**2,185.79**	**151.58**	**341.24**	**173.21**	**481.30**	**654.51**	**138.22**	**492.88**	**631.10**

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

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

Table 9.7: Monthly Revenue From Sale of Energy From Dagachu Power Plant, (2016-2018)

(Nu. in Million)

Month	2015			2016			2017			2018		
	Export	Internal	Total	Export	Internal	Total	Export	Internal	Total	Export	Internal	Total
January	0.00	0.00	0.00	0.00	0.00	0.00	52.01	0.00	52.01	41.13	0.00	41.13
February	7.12	0.00	7.12	0.00	0.00	0.00	36.97	0.00	36.97	31.02	0.00	31.02
March	28.83	0.00	28.83	10.65	0.00	10.65	42.19	0.00	42.19	38.33	0.00	38.33
April	37.27	0.00	37.27	37.82	0.00	37.82	51.35	0.00	51.35	18.12	0.00	18.12
May	45.01	0.00	45.01	39.14	0.00	39.14	56.86	0.00	56.86	58.92	0.00	58.92
June	96.34	0.00	96.34	92.07	0.00	92.07	124.90	0.00	124.90	132.81	0.00	132.81
July	144.68	0.00	144.68	250.48	0.00	250.48	212.71	0.00	212.71	217.48	0.00	217.48
August	176.11	0.00	176.11	246.52	0.00	246.52	233.12	0.00	233.12	263.00	0.00	263.00
September	180.13	0.00	180.13	195.37	0.00	195.37	211.61	0.00	211.61	207.16	0.00	207.16
October	146.35	0.00	146.35	132.69	0.00	132.69	150.72	0.00	150.72	96.10	0.00	96.10
November	81.23	0.00	81.23	112.86	0.00	112.86	76.25	0.00	76.25	59.29	0.00	59.29
December	45.52	0.00	45.52	71.83	0.00	71.83	54.24	0.00	54.24	47.39	0.00	47.39
Total	**3,003.59**	**0.00**	**988.59**	**3,205.42**	**0.00**	**1,189.42**	**1,302.93**	**0.00**	**1,302.93**	**1210.75**	**0.00**	**1210.75**

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

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

Table 9.8: Details of Domestic Electrical Energy Consumption, (2014-2018)

Details	2014	2015	2016	2017	2018
Towns electrified (numbers)	52	57	55	51	44
Villages electrified (numbers)	3,675	3,719	3,786	3,909	4,065
Total Consumers ('000)	149.1	168.3	176.4	182.5	193.0
Sales of energy (Nu.in million)	3,959.8	4,576.3	4,771.6	4,913.9	7,055.3
Per capita energy consumption (kWh)	2,798.8	2,804.3	2,673.1	2,877.8	3,033.6

Note: Number of towns have been modified by BPC

The Revenue from sale of electricity during 2018 increased because of amount of subsidy paid to BPC from Ministry of Finance which is included in the amount for 2018.

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

CHAPTER 10The 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 79.81 million in 2017. 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.

Bhutan remains a much admired destination throughout the global tourism industry, particularly in the high-end markets. This is attributed to the pristine state of the country's cultural and natural heritage, which attracts both an affluent and adventurous clientele, political stability and good governance, which ensures equitable and sustainable national development. In 2015, Bhutan celebrated the 60th birth anniversary of His Majesty the Fourth Druk Gyalpo, the Jewel of Bhutan. To commemorate this special year, Bhutan declared 2015 as "Visit Bhutan Year" to allow visitors from all over the world to join in the celebrations of the Bhutanese for a much loved and revered monarch. 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 March, April and May. Paro, Thimphu and Punakha received the largest number of tourist in 2018, also recorded maximum bed nights by Dzongkhag. "Culture and Nature" has always been the Unique Selling Proposition (USP) for the tourism industry of Bhutan.

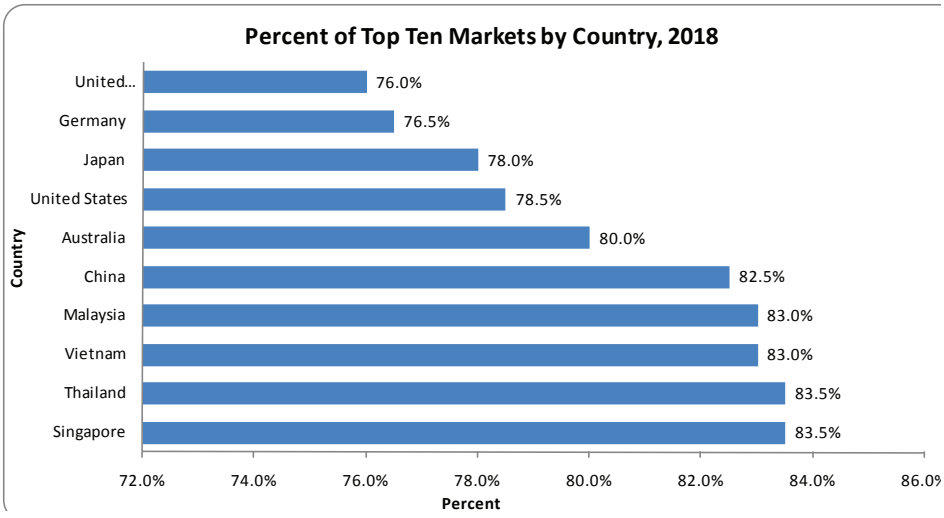

Table 10.1: Annual International Tourist Arrivals by Country and Region, Bhutan, (2014-2018)

(Numbers)

Country	2014	2015	2016	2017	2018
AFRICA	**160**	**112**	**99**	**106**	**135**
East Africa	**16**	**17**	**34**	**22**	**16**
Burundi	0	0	0	0	0
Comoros	0	0	1	0	0
Djibouti	1	0	0	0	0
Eritrea	0	0	0	0	0
Ethiopia	0	0	3	1	0
Kenya	7	10	12	9	12
Madagascar	0	0	0	0	0
Malawi	0	0	2	0	0
Mauritius	8	4	10	10	0
Mozambique	0	0	0	1	1
Reunion	0	0	0	0	0
Rwanda	0	0	0	0	0
Seychelles	0	0	0	0	0
Somalia	0	0	0	0	0
Tanzania	0	1	2	1	2
Uganda	0	1	2	0	0
Zambia	0	0	0	0	0
Zimbabwe	0	1	2	0	1
Other countries of East Africa	0	0	0	0	0
Central Africa	**2**	**2**	**0**	**1**	**1**
Angola	0	1	0	0	0
Cameroon	0	0	0	0	0
Central African Republic	0	0	0	0	0
Chad	2	1	0	1	1
Congo	0	0	0	0	0
Congo, Democratic Republic of the	0	0	0	0	0
Equatorial Guinea	0	0	0	0	0
Gabon	0	0	0	0	0
Sao Tome and Principe	0	0	0	0	0
Other countries of Central Africa	0	0	0	0	0

cont...

Table 10.1 cont...

Country	2014	2015	2016	2017	2018
North Africa	**12**	**4**	**4**	**2**	**6**
Algeria	2	2	0	2	1
Morocco	2	2	4	0	5
South Sudan	0	0	0	0	0
Sudan	0	0	0	0	0
Tunisia	8	0’	0	0	0
Western Sahara	0	0	0	0	0
Other countries of North Africa	0	0	0	0	0
South Africa	**115**	**80**	**58**	**75**	**99**
Botswana	0	1	0	0	0
Lesotho	0	0	0	0	0
Namibia	6	5	5	1	1
South Africa	109	70	53	74	98
Swaziland	0	1	0	0	0
Other countries of Sourthern Africa (Motswana)	0	3	0	0	0
West Africa	**15**	**9**	**3**	**6**	**13**
Benin	1	0	0	0	0
Burkina Faso	0	0	0	0	0
Cabo Verde	0	0	0	0	0
Cote d’lvoire	1	0	1	0	0
Ghana	0	1	1	1	0
Guinea	0	0	0	0	0
Guinea-Bassau	0	0	0	0	0
Liberia	0	1	0	0	0
Mali	0	0	0	0	0
Mauritania	1	0	0	2	12
Niger	5	0	0	0	0
Nigeria	6	7	1	2	1
Saint Helena	0	0	0	0	0
Senegal	1	0	0	1	0
Sierrra Leone	0	0	0	0	0
Togo	0	0	0	0	0
Other countries of Western Africa	0	0	0	0	0
Other Africa	0	0	0	0	0

cont...

Table 10.1 cont...

Country	2014	2015	2016	2017	2018
Other countries of Africa	0	0	0	0	0
AMERICAS	**9,845**	**9,392**	**9,432**	**12,299**	**14,109**
Caribbean	18	13	8	13	18
Anguilla	0	0	0	0	0
Antigua and Barbuda	0	0	0	1	1
Aruba	0	0	0	0	0
Bahamas	3	0	1	2	1
Barbados	0	0	0	1	1
Bermuda	0	0	0	0	0
Bonaire	0	0	0	0	0
British Virgin Islands'	0	0	0	0	0
Cayman Islands	0	0	0	0	0
Cuba	0	0	0	1	0
Curacao	0	0	0	0	0
Dominica	4	0	2	0	2
Dominican Republic	0	0	0	4	0
Grenada	0	0	0	0	0
Guadeloupe	0	0	0	0	0
Haiti	0	0	0	1	0
Jamaica	2	1	0	1	5
Martinique	0	0	0	0	0
Montserrat	0	0	0	0	0
Netherlands Antilles	0	0	0	0	0
Puerto Rico	0	0	0	0	0
Saba	0	0	0	0	0
Saint Kitts and Nevis	3	5	3	2	5
Saint Lucia	0	0	0	0	0
Saint Vincent and the Grenadines	0	0	0	0	0
Sint Eustatius	0	0	0	0	0
Sint Maarten (Dutch part)	0	0	0	0	0
Trinidad and Tobago	6	7	2	0	3
Turks and Caicos Islands	0	0	0	0	0
United States Virgin Islands	0	0	0	0	0
Windward Islands	0	0	0	0	0

cont...

Table 10.1 cont...

Country	2014	2015	2016	2017	2018
Other countries of the Caribbean	0	0	0	0	0
Central America	**24**	**22**	**46**	**51**	**68**
Belize	1	2	1	0	1
Costa Rica	5	6	35	26	45
El Salvador	2	0	2	2	6
Guatemala	12	7	7	15	9
Hondurus	0	1	0	0	3
Nicaragua	3	1	0	0	0
Panama	1	5	1	8	4
Other countries of Central America	0	0	0	0	0
North America	**8,833**	**8,557**	**8,707**	**11,109**	**12,774**
Canada	1,297	1,177	1,109	1,524	1,807
Greenland	0	0	0	0	0
Mexico	245	243	308	365	406
Saint Pierre and Miquelon	0	0	0	0	0
United States of America	7,291	7,137	7,290	9,220	10,561
Hawaii, USA	0	0	0	0	0
Other countries of North America	0	0	0	0	0
South America	**970**	**800**	**671**	**1,126**	**1,249**
Argentina	119	84	162	175	205
Bolivia, Plurinational State of	2	2	1	2	1
Brazil	583	538	321	680	810
Chile	157	78	73	102	130
Colombia	64	57	56	90	57
Ecuador	1	6	4	7	3
Falkland Islands (Malvinas)	0	0	0	0	0
French Guiana	0	0	0	0	0
Guyana	0	0	0	0	0
Paraguay	3	1	0	11	0
Peru	23	14	31	14	25
Surinam	0	0	0	0	0
Uruguay	6	14	7	20	10
Venezuela	12	6	16	25	8
Other countries of Sourthern Americas	0	0	0	0	0
Other Americas	0	0	0	0	0

cont...

Table 10.1 cont...

Country	2014	2015	2016	2017	2018
Other countries of the Americas	0	0	0	0	0
EAST ASIA AND THE PACIFIC	**32,105**	**24,668**	**30,288**	**33,257**	**29,713**
North-East Asia	**12,957**	**13,710**	**16,893**	**16,712**	**12,052**
China	8,111	9,399	9,210	6,421	6,878
Hongkong, China	0	0	0	0	0
Japan	2,707	2,437	4,832	2,744	2,674
Korea, Democratic People's Republic of Korea (north)	3	0	0	0	0
Korea, Republic of Korea (south)	858	640	1,035	6,048	998
Macao, china	0	0	0	0	0
Mongolia	10	7	4	8	6
Taiwan Province of China	1,268	1,227	1,812	1,491	1,496
Other countries of North-East Asia	0	0	0	0	0
South- East Asia	**16,918**	**8,906**	**11,376**	**13,972**	**14,544**
Brunei Darrussalam	7	3	17	39	26
Cambodia	1	6	10	8	30
Indonesia	619	333	536	664	1,033
Lao People's Democratic Republic	0	6	12	18	2
Malaysia	2,067	1,546	1,959	2,956	3,140
Myanmar	12	12	20	96	5
Philippines	206	234	383	549	476
Singapore	1,720	2,587	3,011	4,129	3,886
Thailand	12,105	3,778	4,175	4,047	3,886
Timor-Leste	0	0	0	0	0
Viet Nam	181	395	1,253	1,423	1,961
Asean countries	0	0	0	0	0
Other countries of South-East Asia (Burmese)	0	6	0	43	99
Australia	**2,230**	**2,051**	**2,017**	**2,571**	**3,114**
Australia	2,037	1,833	1,818	2,249	2,739
New Zealand	193	218	199	322	375
Melanesia	0	1	2	2	3
Fiji	0	1	2	2	1
New Caledonia	0	0	0	0	0
Norfolk Island	0	0	0	0	0
Papua New Guinea	0	0	0	0	2

cont...

Table 10.1 cont...

Country	2014	2015	2016	2017	2018
Solomon Islands	0	0	0	0	0
Vanuatu	0	0	0	0	0
Other countries of Melanesia	0	0	0	0	0
Micronesia	**0**	**0**	**0**	**0**	**0**
Christmas Island, Australia	0	0	0	0	0
Cocos (Keeling) Islands	0	0	0	0	0
Guam	0	0	0	0	0
Johnston Island	0	0	0	0	0
Kiribati	0	0	0	0	0
Kosrae State	0	0	0	0	0
Marshall Islands	0	0	0	0	0
Micronesia	0	0	0	0	0
Midway Islands	0	0	0	0	0
Nauru	0	0	0	0	0
Northern Mariana Islands	0	0	0	0	0
Palau	0	0	0	0	0
Pohnpei State	0	0	0	0	0
Truk State	0	0	0	0	0
Wake Island	0	0	0	0	0
Yap State	0	0	0	0	0
Other countries of Micronesia	0	0	0	0	0
Polynesia	**0**	**0**	**0**	**0**	**0**
American Samoa	0	0	0	0	0
Cook Islands	0	0	0	0	0
French Polynesia	0	0	0	0	0
Niue	0	0	0	0	0
Pitcairn	0	0	0	0	0
Samoa	0	0	0	0	0
Tokelau	0	0	0	0	0
Tonga	0	0	0	0	0
Tuvalu	0	0	0	0	0
Wallis and Futuna Islands	0	0	0	0	0
Other countries of Polynesia	0	0	0	0	0
Other East Asia and the Pacific	0	0	0	0	0
Other countries of Asia	0	0	0	0	0

cont...

Table 10.1 cont...

Country	2014	2015	2016	2017	2018
Other countries of East Asia/Pacific	0	0	0	0	0
Other Countries of Oceania	0	0	0	0	0
EUROPE	15,550	14,356	14,361	16,169	18,824
Central/ Eastern Europe	**1,378**	**1,080**	**1,188**	**1,406**	**1,891**
Armenia	5	9	10	7	4
Azerbaijan	0	2	8	2	1
Belarus	2	8	4	8	6
Bulagria	68	26	34	44	96
Czech Republic	195	157	195	145	285
Estonia	23	32	9	41	43
Georgia	2	2	5	2	3
Hungary	127	115	69	151	143
Kazakhstan	4	7	1	13	9
Kyrgyzstan	7	0	0	0	0
Latvia	10	16	44	35	34
Lithuania	37	43	14	50	79
Moldova, Republic of	1	0	0	3	2
Poland	289	284	313	312	430
Romania	55	23	64	78	94
Russian Federation	450	269	242	390	482
Slovakia	72	42	86	45	83
Tajikistan	0	0	0	0	3
Turkmenistan	0	0	2	2	0
Ukraine	31	44	88	78	93
Uzbekistan	0	1	0	0	1
Baltic Countries	0	0	0	0	0
Other countries of Central/ East Europe	0	0	0	0	0
Nothern Europe	**3,634**	**4,037**	**4,114**	**4,241**	**4,737**
Channel Islands	0	0	0	0	0
Denmark	188	210	208	197	263
Faeroe Islands	0	0	0	0	0
Finland	120	195	124	162	169
Iceland	5	5	30	19	32
Ireland	112	98	139	144	163
Isle of Man	0	0	0	0	0

cont...

Table 10.1 cont...

Country	2014	2015	2016	2017	2018
Norway	245	185	234	225	191
Svalbard and Jan Mayen Islands	0	0	0	0	0
Sweden	284	386	253	248	334
United Kingdom	2,680	2,958	3,125	3,246	3,585
Scandinavia	0	0	0	0	0
Other countries of Nothern Europe	0	0	1	0	0
Southern Europe	**2,031**	**1,548**	**2,147**	**2,549**	**3,169**
Albania	0	0	1	0	2
Andorra	1	3	7	0	4
Bosnia and Herzegovina	0	0	0	1	3
Croatia	8	10	13	16	24
Gibraltar	0	0	0	0	0
Greece	57	24	55	94	121
Holy See	0	0	0	0	0
Italy	837	781	1,022	978	1,229
Malta	23	3	5	11	22
Montenegro	0	0	0	0	3
Portugal	145	135	224	229	322
San Marino	0	2	0	0	0
Serbia	8	5	21	21	15
Slovenia	8	6	12	57	27
Spain	944	579	787	1,142	1,397
Other countries of Southern Europe	0	0	0	0	0
Western Europe	**7,992**	**7,402**	**6,539**	**7,558**	**8,511**
Austria	578	513	504	396	506
Belgium	574	716	460	506	557
France	1,636	1,563	1,501	1,545	1,773
Germany	2,971	2,498	2,301	2,970	3,422
Liechtenstein	2	12	1	5	7
Luxembourg	70	97	22	24	58
Monaco	0	3	4	3	2
Netherlands	863	709	641	757	807
Switzerland	1,298	1,291	1,105	1,352	1,379
Benelux	0	0	0	0	0
Other countries of Western Europe	0	0	0	0	0

cont...

Table 10.1 cont...

Country	2014	2015	2016	2017	2018
East Mediterranean Europe	**514**	**288**	**371**	**415**	**516**
Cyprus	4	1	7	6	4
Israel	251	132	167	283	356
Turkey	259	155	197	126	156
Other Europe	1	1	2	0	0
Other countries of Europe (Macedonia (S.E))	0	1	2	0	0
MIDDLE EAST	**29**	**43**	**79**	**85**	**138**
Bahrain	1	0	3	7	3
Dubai	0	0	0	0	0
Egypt	2	5	4	15	13
Iraq	0	0	0	0	0
Jordan	0	4	4	2	11
Kuwait	8	6	8	13	19
Lebanon	10	9	16	16	21
Libya	0	0	0	0	0
Oman	1	0	7	2	4
Qatar	2	3	1	1	5
Saudi Arabia	2	4	9	9	29
State of Palestine	0	0	1	0	0
Syrian Arab Republic	0	1	0	1	3
United Arab Emirates	2	11	25	0	12
Emirian	0	0	0	19	17
Yemen	1	0	1	0	1
Other countries of Middle East	0	0	0	0	0
SOUTH ASIA	**245**	**229**	**341**	**356**	**448**
Afghanistan	0	0	1	0	1
Iran, Islamic Republic of	5	10	13	18	5
Nepal	203	192	285	265	371
Pakisthan	10	9	14	16	8
Sri Lanka	27	18	28	57	63
India, Pakistan	0	0	0	0	0
Other countries of South Asia	0	0	0	0	0
Total arrivals	**57,934**	**48,800**	**54,600**	**62,272**	**63,367**

Note: Includes only the international leisure tourist
Source: Tourism Council of Bhutan, Thimphu.

Table 10.2: Tourist Arrivals by Regions and Revenue Receipts, Bhutan, (2014-2018)

(Numbers)

Region	2014	2015	2016	2017	2018
Africa	**160**	**112**	**99**	**106**	**135**
East Africa	16	17	34	22	16
Central Africa	2	2	0	1	1
North Africa	12	4	4	2	6
Southern Africa	115	80	58	75	99
West Africa	15	9	3	6	13
Americas	**9,845**	**9,392**	**9,432**	**12,299**	**14,109**
Caribbean	18	13	8	13	18
Central America	24	22	46	51	68
North America	8,833	8,557	8,707	11,109	12,774
South America	970	800	671	1,126	1,249
East Asia and Pacific	**32,105**	**24,668**	**30,288**	**33,257**	**29,713**
North-East Asia	12,957	13,710	16,893	6,421	12,052
South-East Asia	16,918	8,906	11,376	13,972	14,544
Australasia	2,230	2,051	2,017	2,571	3,114
Melanesia	0	1	2	2	3
Micronesia	0	0	0	0	0
Polynesia	0	0	0	0	0
Europe	**15,550**	**14,356**	**14,361**	**16,169**	**18,824**
Central/Eastern Europe	1,378	1,080	1,188	1,406	1,891
Northern Europe	3,634	4,037	4,114	4,241	4,737
Southern Europe	2,031	1,548	2,147	2,549	3,169
Western Europe	7,992	7,402	6,539	7,558	8,511
East Mediterranean Europe	514	288	371	415	516
Middle East	29	43	79	85	138
South Asia	245	229	341	356	448
All regions (persons)	**57,934**	**48,800**	**54,600**	**62,272**	**63,367**
Tourism revenue receipts [1]					
Ngultrums (million)	**4,392.00**	**4,557.15**	**4,954.59**	**5,195.63**	**5,842.04**
Or					
US Dollars (million)	**73.20**	**71.05**	**73.74**	**79.81**	**85.41**

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, (2014-2018)

Season & Month	2014	2015	2016	2017	2018
Winter	**22,262**	**30,968**	**37,097**	**46,751**	**49,722**
December	12,051	16,882	20,484	23,587	26,667
January	5,088	6,427	7,793	12,224	11,121
February	5,123	7,659	8,820	10,940	11,934
Spring	**34,511**	**51,452**	**65,277**	**87,324**	**88,109**
March	7,528	14,004	17,480	20,872	22,185
April	13,052	16,135	17,527	27,115	26,176
May	13,931	21,313	30,270	39,337	39,748
Summer	**30,080**	**29,910**	**44,143**	**53,158**	**51,706**
June	10,142	13,668	20,225	27,263	25,239
July	7,839	8,312	11,974	13,133	12,274
August	12,099	7,930	11,944	12,762	14,193
Autumn	**46,627**	**55,049**	**63,053**	**67,471**	**84,560**
September	12,359	12,831	18,009	22,123	20,025
October	23,516	26,880	27,932	28,281	37,549
November	10,752	15,338	17,112	17,067	26,986

Note: The total number of tourist arrivals here shows International and Regional Tourist only.
Source: Tourism Council of Bhutan, Thimphu.

Table 10.4: Percentage of Tourist Arrivals by Purpose of Visit, Bhutan, 2018

Purpose	%
Leisure	88
Official	3
Business	2
Others	7

Source: Tourism Council of Bhutan, Thimphu.

Table 10.5: Total Number of Tourist Arrivals by Dzongkhag, 2018

Dzongkhag	No. of visitors
Bumthang	11,636
Chhukha	2,971
Dagana	24
Gasa	675
Haa	594
Lhuntse	6,615
Monggar	2,600
Paro	62,781
Pema Gatshel	122
Punakha	53,555
Samdrup Jongkhar	1,937
Samtse	0
Sarpang	231
Thimphu	60,100
Trashi Yangtse	820
Trashigang	2,374
Trongsa	5,864
Tsirang	68
Wangdue Phodrang	19,581
Zhemgang	332

Note: Includes only the international leisure tourist.
Source: Tourism Council of Bhutan, Thimphu.

Table 10.6: Total Number of Accommodation Providers by Bed Nights by Dzongkhag, 2018

Dzongkhag	Bed Nights
Bumthang	30,137
Chhukha	3,141
Dagana	37
Gasa	3,341
Haa	8,095
Lhuntse	1,120
Monggar	4,404
Paro	142,663
Pema Gatshel	250
Punakha	75,355
Samdrup Jongkhar	2,144
Samtse	0
Sarpang	309
Thimphu	107,063
Trashi Yangtse	1,031
Trashigang	4,489
Trongsa	6,614
Tsirang	91
Wangdue Phodrang	28,998
Zhemgang	931

Note: Includes only the International leisure tourist.
Source: Tourism Council of Bhutan, Thimphu.

Table 10.7: Percent of Top Ten Markets by Gender, Bhutan, 2018

Purpose	Sex	
	% Male	% Female
Vietnam	66	34
Japan	56	44
Australia	60	40
Malaysia	66	34
Germany	53	47
Thailand	67	33
United Kingdom	52	48
Singapore	67	33
China	65	35
United States	57	43

Source: Tourism Council of Bhutan, Thimphu.

Table 10.8: Comparision of Top Ten Ranking of International Markets for the year 2015, 2016, 2017 and 2018, Bhutan

2015	2016	2017	2018
China	China	America	USA
USA	USA	China	China
Thailand	Japan	South Korea	Singapore
UK	Thailand	Singapore	Thailand
Singapore	UK	Thailand	United Kingdom
Germany	Sinagapore	Britain	Germany
Japan	Germany	Germany	Malaysia
Australia	Malaysia	Malaysia	Australia
France	Australia	Japan	Japan
Malaysia	Taiwan	Australia	VietNam

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.

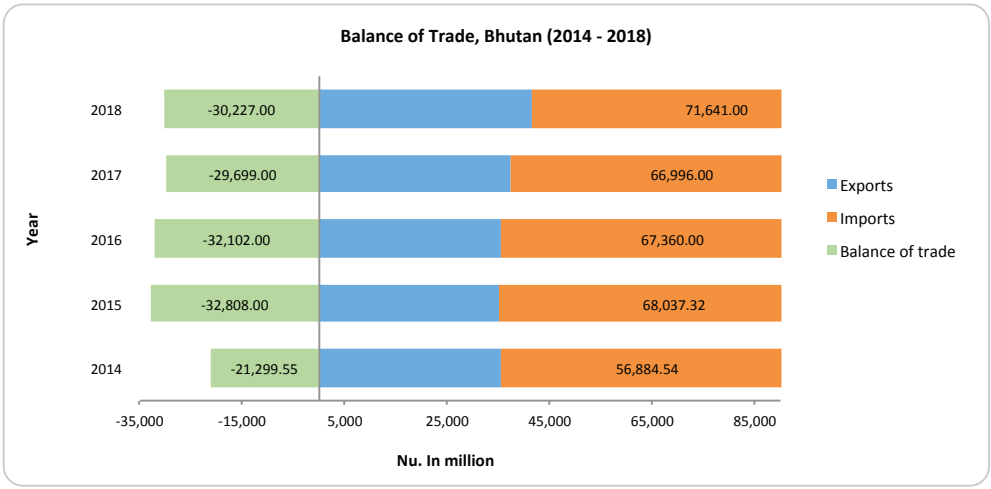

Table 11.1: Balance of Trade, Bhutan, (2014 - 2018)

Trade	2014	2015	2016	2017	2018
Exports	35,584.99	35,229.32	35,258.00	37,297.00	41,413.00
India	31,801.44	31,801.35	32,052.00	31,618.00	32,170.00
Third Countries	3,783.55	3,427.97	3,206.00	5,679.00	9,243.00
Imports	56,884.54	68,037.32	67,360.00	66,996.00	71,641.00
India	47,847.62	53,740.50	55,285.00	53,973.00	60,107.00
Third Countries	9,036.92	14,296.82	12,075.00	13,023.00	11,534.00
Balance of trade	(21,299.55)	(32,808.00)	(32,102.00)	(29,699.00)	(30,227.00)
India	(16,046.18)	(21,939.15)	(23,233.00)	(22,355.00)	(27,937.00)
Third Countries	(5,253.37)	(10,868.85)	(8,869.00)	(7,344.00)	(2,290.00)

Note: Figures within bracket indicate deficit (-).

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

Table 11.2: Top Ten Commodities of Export, Bhutan, 2018

Commodity Description	Value (Nu. in Million)	Percent share
Containing by weight more than 55% of silicon	13,050.06	42.32
Boulders	2,121.64	6.88
Other, of rectangular (other than square) cross-section	1,419.67	4.60
Dolomite, not calcined or sintered, chips	1,232.48	4.00
Portland pozzolana cement	1,091.03	3.54
Neither crushed nor ground	929.41	3.01
Pebbles, gravel, broken or crushed stone, of a kind commonly used for concrete	895.26	2.90
Of silicon	842.56	2.73
Gypsum; anhydrite	718.81	2.33
Ordinary portland cement	616.28	2.00
Others	7,918.01	25.68
Total	**30,835.21**	**100.00**

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

Table 11.3: Top Ten Commodities of Import, Bhutan, 2018

Commodity	Value (Nu. in Million)	Percent share
Other light oils and preparations (HSD)	7,943.33	11.13
Ferrous products obtained by direct reduction of iron ore	2,563.00	3.59
Motor spirit (gasolene) including aviation spirit (petrol)	2,333.61	3.27
Other (Wood Charcoal)	2,226.24	3.12
Dumpers designed for off-highway use	1,916.41	2.69
Coke and semi-coke	1,796.53	2.52
Semi-milled or wholly milled rice, whether or not polished or glazed	1,689.09	2.37
For a voltage exceeding 1,000 V	1,253.15	1.76
g.v.w. not exceeding 5 tonnes	992.30	1.39
Petroleum bitumen	850.85	1.19
Others	47,780.70	66.97
Total	**71,345.20**	**100.00**

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

Table 11.4: Country wise Import in Ranking Order, 2018

SI. No.	Country Name	Value in Nu.	SI. No.	Country Name	Value in Nu.
1	India	59,811,692,437	25	Saudi Arabia	75,725,756
2	Korea South	1,665,035,601	26	Netherlands	70,497,402
3	China	1,613,662,988	27	Denmark	64,549,008
4	Singapore	1,486,230,159	28	Slovakia	63,075,597
5	Thailand	1,050,197,371	29	Finland	55,398,878
6	Japan	783,924,063	30	France	54,297,629
7	Bangladesh	453,986,009	31	Belgium	52,362,696
8	United Arab Emirates	401,654,607	32	South Africa	46,474,705
9	Germany	340,542,436	33	Taiwan	46,309,485
10	United States of America	254,739,101	34	Spain	41,351,031
11	United Kingdom	205,573,968	35	Turkey	41,091,516
12	Sweden	181,564,775	36	Australia	31,853,073
13	Hong Kong	172,771,183	37	Canada	28,430,674
14	Indonesia	163,745,598	38	Brazil	9,838,443
15	Qatar	161,910,476	39	Swaziland	7,388,590
16	Austria	160,148,523	40	Slovenia	7,137,155
17	Norway	158,224,232	41	Mexico	5,239,978
18	Malaysia	143,614,087	42	Greece	4,942,250
19	Italy	103,841,141	43	Philippines	3,659,093
20	Switzerland	91,913,264	44	Papua New Guinea	3,310,952
21	Nepal	91,738,682	45	Ukraine	2,805,594
22	Viet Nam	90,954,018	46	Poland	2,561,157
23	Israel	80,325,077	47	Senegal	2,556,151
24	New Zealand	79,282,051	48	Sri Lanka	2,135,892

Note: Imports value which is less than or equal to Nu. 2,000,000.00 is excluded for computation of import ranking order.

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

Table 11.5: Country wise Export in Ranking Order, 2018

Sl. No.	Country Name	Value in Nu.
1	India	21,591,811,700
2	Bangladesh	5,948,359,953
3	Italy	917,899,323
4	Netherlands	550,273,774
5	Nepal	525,055,549
6	Germany	423,176,288
7	Spain	125,529,733
8	Hong Kong	104,923,262
9	Turkey	102,460,007
10	Singapore	99,950,573
11	United Arab Emirates	90,148,957
12	Belgium	68,375,998
13	Thailand	52,307,644
14	Japan	48,985,579
15	Viet Nam	43,851,248
16	Malaysia	31,016,852
17	South Africa	25,126,830
18	Taiwan	14,591,653
19	Poland	14,524,467
20	Slovenia	12,181,086
21	United States of America	11,225,121
22	France	10,610,754
23	Romania	9,339,800
24	United Kingdom	8,418,564
25	China	1,459,855
26	Korea South	1,362,394

Note: Export value which is less than or equal to Nu. 1,000,000.00 is excluded for computation of export ranking
Source: Bhutan Trade Statistics, Department of Revenue & Customs, Ministry of Finance.

Table 11.6: Overall Balance of Payments Estimates, Bhutan, FY 2013/14 to 2017/18

(Nu. in Million)

Item	2013/14	2014/15	2015/16	2016/17	2017/18
A. Current Account	**(30,116.10)**	**(34,177.40)**	**(41,436.09)**	**(36,142.83)**	**(31,306.95)**
Exports cif	32,876.57	35,982.17	32,789.32	36,872.02	38,859.25
Imports, cif	57,047.07	62,644.93	68,308.43	68,021.19	65,818.35
Trade balance	(24,170.51)	(26,662.76)	(35,519.11)	(31,149.17)	(26,959.11)
Services	**(3,997.99)**	**(4,307.56)**	**(4,085.28)**	**(3,411.53)**	**(3,351.24)**
Credit	7,646.23	7,784.24	9,659.81	10,469.87	11,921.05
Debit	11,644.22	12,091.80	13,745.09	13,881.40	15,272.29
Primary Income	**(7,859.65)**	**(8,250.49)**	**(11,385.40)**	**(13,211.01)**	**(14,187.50)**
Credit	1,192.43	2,575.68	1,623.07	1,998.95	2,133.11
Debit	9,052.09	10,826.17	13,008.47	15,209.96	16,320.60
Secondary Income	**5,912.05**	**5,043.42**	**9,553.70**	**11,628.88**	**13,190.90**
Credit	7,333.36	6,874.16	11,358.47	13,256.53	15,019.13
Of Which, Budgetary Grants	3,856.53	4,785.01	8,373.35	6,415.85	6,204.86
Debit	1,421.31	1,830.74	1,804.76	1,627.65	1,828.24
B. Capital Account	**16,901.74**	**13,981.04**	**12,668.05**	**12,391.57**	**11,884.03**
o/w Budgetary Grants for Investment*	7,541.54	4,408.03	6,114.55	3,532.33	7,348.03
C. Financial Account**	**(14,315.68)**	**(21,130.69)**	**(43,297.11)**	**(15,763.23)**	**(27,703.56)**
Other Investment	(12,888.29)	(20,735.84)	(42,508.70)	(17,364.73)	(27,484.64)
o/w RGOB loans, net	15,331.40	17,838.32	30,052.75	13,078.38	6,079.24
o/w Other loans, net	(3,125.50)	1,990.28	14,050.35	3,682.33	20,657.83
D. Net Errors and Omissions	**3,179.18**	**(1,505.16)**	**(1,944.53)**	**6,422.74**	**(3,415.44)**
E. Overall balance	**4,280.49**	**(570.83)**	**12,584.54**	**(1,565.30)**	**4,865.19**

*Note: * Segregation of budgetary grants into Secondary Income and Capital Transfers carried out from FY 2006/07 onwards. **. Net acquisition of financial assets minus net incurrence of financial liabilities; (+) figure denotes net lending and (-) figure denotes net borrowing; Excludes reserve assets. Note on general sign convention: (+) = increase in assets or liabilities; (-) = decrease in assets or liabilities.*

Source : Royal Monetary Authority of Bhutan, Thimphu

Table 11.7: Gross International Reserves (End Period), Bhutan, 2013/14 To 2017/18

(Nu. in Million)

Item	2013/14	2014/15	2015/16	2016/17	2017/18
1.Rupee reserves	**10,133.27**	**10,865.88**	**20,811.87**	**21,092.36**	**16,085.82**
Royal Monetary Authority of Bhutan	9,493.07	9,826.55	19,017.73	19,433.11	14,534.35
Bank of Bhutan Ltd.	447.91	598.04	830.28	1,075.85	363.20
Bhutan National Bank Ltd.	61.91	193.91	141.99	212.23	514.57
TBank Ltd.	74.91	77.25	175.94	122.35	479.97
Druk PNB Ltd.	55.47	170.14	645.92	248.81	193.74
Bhutan Development Bank Ltd.	...	...	...	...	...
2.Convertible currency reserves (US $)	**829.26**	**788.02**	**810.98**	**776.60**	**876.34**
Royal Monetary Authority of Bhutan	789.15	759.44	789.51	748.79	824.30
Bank of Bhutan Ltd.	22.71	20.26	13.37	10.99	36.18
Bhutan National Bank Ltd.	14.80	6.94	5.77	7.30	5.03
TBank Ltd.	0.13	0.11	0.44	0.85	5.76
Druk PNB Ltd.	2.48	1.26	1.88	8.68	5.06
Bhutan Development Bank Ltd.	...	...	...	...	...
3. Total reserves (US $)	**997.89**	**958.45**	**1,118.77**	**1,103.76**	**1,110.91**
4. Months of Merchandise Imports					
Total reserves	13.01	11.84	13.25	12.56	13.01
Rupee reserves	2.56	2.56	4.26	4.45	3.29
Convertible currency reserves	76.77	54.76	66.17	54.29	62.59

Note: Convertible currency reserves of RMA have been revised in 2013 to exclude the US dollar pledge on any oustanding 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 $, (2014 - 2018)

Month	2014	2015	2016	2017	2018
January	62.08	62.14	67.29	68.09	63.65
February	62.25	62.03	68.24	66.74	64.37
March	61.01	62.45	67.02	65.92	65.01
April	60.36	62.75	66.47	64.51	65.66
May	59.31	63.81	66.89	64.41	67.54
June	59.73	63.86	67.30	64.44	67.79
July	60.06	63.65	67.22	64.44	68.70
August	60.90	65.07	66.94	63.97	69.53
September	60.88	66.19	66.74	64.46	72.30
October	61.35	65.08	66.76	65.09	73.62
November	61.68	66.05	67.53	64.87	71.82
December	62.71	66.60	67.90	64.24	70.83
Calendar year average exchange rate	**61.47**	**64.14**	**67.19**	**65.10**	**68.40**
Fiscal year	**2013/14**	**2014/15**	**2015/16**	**2016/17**	**2017/18**
Fiscal year average exchange Rate	**61.47**	**62.05**	**66.32**	**66.43**	**65.09**

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.

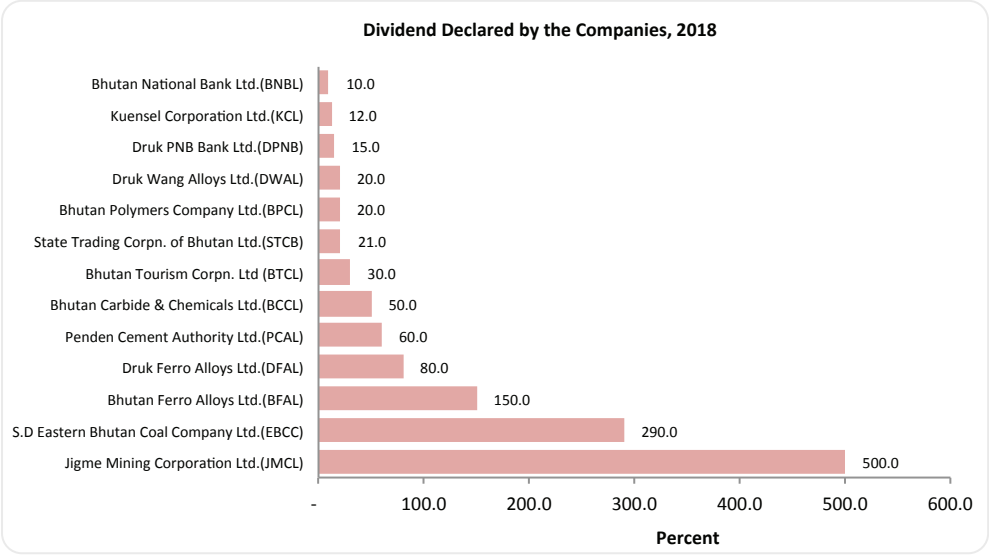

Table 12.1: Monetary Survey: Royal Monetary Authority, Bhutan National Bank, Bank Of Bhutan, Bhutan Development Bank, Druk PNB Bank and T Bank (2014-2018)

(Nu. in Million)

Item	2014	2015	2016	2017	2018
Assets total	**120,531.16**	**125,501.60**	**144,334.56**	**163,234.59**	**171,173.72**
Foreign Assets(net)	69,081.59	66,305.10	73,220.22	72,878.53	65,533.83
Rupee	11,034.15	7,324.01	15,748.46	20,598.40	10,423.34
Others	58,047.44	58,981.09	57,471.76	52,280.13	55,110.49
Domestic Credit	51,449.57	59,196.50	71,114.34	90,356.05	105,639.89
Claims on Government (net)	(5,013.40)	(6,123.14)	(4,300.67)	2,498.61	2,797.44
Claims on Other Public Sector [1]	3,112.88	5,340.60	4,988.85	5,702.22	6,145.84
Claims on private sector [2]	53,350.09	59,979.03	70,426.17	82,155.22	96,696.61
Liabilities total	**120,531.16**	**125,501.60**	**144,334.56**	**163,234.59**	**171,173.72**
Broad money (M2)	73,366.10	76,148.61	93,680.71	110,000.90	117,191.02
Narrow Money (M1)	43,296.20	44,428.81	52,057.52	63,478.17	68,307.23
Nu. Outside Banks	5,671.59	6,587.16	8,318.93	8,767.08	9,171.41
Transferable Deposits	37,624.61	37,841.65	43,738.60	54,711.09	59,135.82
Other Deposits [3]	30,069.91	31,719.80	41,623.18	46,522.73	48,883.79
Other items(net)	47,165.05	49,352.99	50,653.86	53,233.68	53,982.70

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 mojor 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, (2014 -2018)

(Nu. in Million)

Item	2014	2015	2016	2017	2018
Assets total	**10,885.42**	**13,805.95**	**18,021.63**	**20,494.85**	**22,047.99**
Reserves	880.26	399.63	917.18	1,560.31	1,318.24
Foreign Assets	**36.71**	**14.05**	**76.36**	**20.62**	**141.50**
Rupee	34.00	11.21	6.70	...	...
Others	2.70	2.84	69.66	20.62	141.50
Domestic Credit [1]	**9,968.46**	**13,392.27**	**17,028.09**	**18,913.93**	**20,588.25**
Claims on Public Sector [2]	38.98	38.98	71.35	50.46	37.79
Claims on private sector	8,283.53	11,860.06	15,549.45	17,501.29	19,088.28
Claims on NBFIs	42.83	65.10	103.67	58.56	58.56
Claims on DMBs	1,603.13	1,428.13	1,303.61	1,303.61	1,403.61
Liabilities total	**10,885.42**	**13,805.95**	**18,021.63**	**20,494.85**	**22,047.99**
Life fund	...	...	3,083.5	3,849.9	4,851.3
Gebneral Insurance Fund	...	...	251.4	272.9	187.0
Group Insurance Fund	...	...	4,140.2	1,702.4	1,986.4
Credit from DMBs	642.77	812.30	2,501.20	1,621.26	1,207.10
Credit from NBFIs	3,461.31	3,595.67	3,595.22	3,452.49	2,621.50
Capital accounts	1,991.01	2,479.25	2,852.25	2,907.28	969.28
Other items (net)	4,790.33	6,918.74	1,597.81	6,688.60	10,225.39

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, (2014 - 2018)

(Nu. in Million)

Item	2014	2015	2016	2017	2018
Assets total	**26,818.79**	**28,786.35**	**33,723.48**	**36,579.76**	**35,979.41**
Reserves with RMA	6,004.22	6,183.74	7,661.65	8,944.45	5,599.97
Foreign Assets	**820.87**	**1,269.97**	**1,079.74**	**668.50**	**1,138.16**
Rupee	482.06	384.62	179.07	176.45	420.58
Others	338.82	885.35	900.67	492.05	717.59
Domestic Credit	**19,993.70**	**21,332.63**	**24,982.09**	**26,966.80**	**29,241.28**
Claims on Government	997.78	...	...	0.27	0.22
Claims on Government Corps	115.33	115.33	215.33	115.33	116.95
Claims on Public Sector[1]	767.61	766.41	641.23	607.26	595.68
Claims on private sector	18,092.37	20,273.96	23,239.70	25,467.88	28,028.39
Claims on NBFIs	20.61	176.93	885.83	776.06	500.03
Liabilities total	**26,818.79**	**28,786.35**	**33,723.48**	**36,579.76**	**35,979.41**
Demand Deposits (Current and saving Deposits)	7,861.42	8,033.82	9,361.72	11,376.49	10,685.83
Time Deposits	10,327.59	10,810.99	14,513.55	13,821.48	14,796.36
Foreign currency Deposits	307.74	402.95	660.13	2,098.33	1,191.55
Capital accounts	7,129.63	7,655.63	7,235.49	7,560.93	7,644.83
Other items (net)	1,192.41	1,882.96	1,952.60	1,722.52	1,660.84

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 (2014 - 2018)

(Nu. in Million)

Item	2014	2015	2016	2017	2018
Assets total	**15,188.26**	**16,834.73**	**21,182.33**	**23,223.76**	**24,702.55**
Reserves With RMA	3,802.29	2,189.65	3,796.08	3,873.22	5,244.79
Foreign Assets	**14.84**	**23.67**	**0.86**	**11.69**	**15.77**
Rupee	14.84	23.67	0.86	11.69	15.77
Others	...	...	...	...	...
Domestic Credit	**11,371.13**	**14,621.42**	**17,385.39**	**19,338.85**	**19,441.99**
Claims on Govt.	...	...	...	...	...
Claims on Govt. Corporations	455.54	504.49	54.31	52.29	65.01
Claims on Public Sector[1]	18.756	38.442	33.44	33.44	33.44
Claims on private sector	10,485.56	13,667.22	16,474.36	18,631.19	18,662.31
Claims on NBFIs	411.27	411.27	823.27	621.93	681.23
Liabilities total	**15,188.26**	**16,834.73**	**21,182.33**	**23,223.76**	**24,702.55**
Demand Deposits (Current and Saving Deposits)	2,288.25	2,591.33	3,541.79	4,398.66	5,068.01
Time Deposits	7,630.44	8,214.07	10,566.61	11,672.38	12,292.33
Foreign Currency Deposits	...	...	...	...	...
Foreign Liabilities [2]	...	...	...	279.60	...
Domestic Borrowing	1,067.11	824.80	681.58	263.77	868.72
Capital accounts	2,846.24	3,378.26	3,241.01	2,014.94	2,391.42
Other items(net)	1,356.22	1,826.28	3,151.35	4,594.41	4,082.07

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

[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, (2014 - 2018)

(Nu. in Million)

Item	2014	2015	2016	2017	2018
Assets total	**75,684.23**	**69,582.69**	**78,200.66**	**77,975.19**	**69,911.04**
Foreign assets	75,502.07	68,810.31	76,483.96	76,485.98	67,916.89
Indian rupee	19,731.01	12,210.03	21,604.32	26,617.34	15,725.53
Convertible Foreign Currency (Including Gold)	55,771.06	56,600.28	54,879.64	49,868.63	52,191.37
Claims on deposit money banks	166.09	744.51	1,679.70	1,427.67	1,326.30
Claims on Government	...	...	...	27.92	638.00
Claims of private sector	16.06	27.88	37.00	33.62	29.84
Liabilities total	**75,684.23**	**69,582.69**	**71,200.66**	**77,975.19**	**69,911.04**
Reserve money	34,746.44	25,801.07	34,262.93	32,712.25	29,898.11
Currency outside banks	5,671.59	6,587.16	8,318.93	8,767.08	9,171.41
Foreign Liabilities	10,000.00	7,000.00	7,000.00	7,046.14	7,000.00
Rupee	10,000.00	7,000.00	7,000.00	7,046.14	7,000.00
Others	...	...	...	...	...
Government deposits	8,049.98	11,628.32	11,118.32	9,530.99	6,848.35
RMA Bills Outstanding	...	...	...	...	...
Capital Account	3,261.22	4,057.68	3,422.87	3,858.36	5,713.23
Other items (net)	19,626.59	21,095.63	22,396.54	24,827.46	20,451.35

Source: Royal Monetary Authority of Bhutan, Thimphu.

Table 12.6: Monetary and Financial Statistics: Bank of Bhutan Limited, (2014 - 2018)

(Nu. in Million)

Item	2014	2015	2016	2017	2018
Assets total	**39,496.06**	**37,760.38**	**42,634.70**	**49,385.31**	**54,299.78**
Reserve with RMA	17,658.54	13,283.35	17,305.22	18,021.38	13,186.85
Foreign assets	2,098.74	2,290.97	1,487.78	1,724.95	2,353.78
Rupee	488.09	933.92	598.98	293.02	644.60
Other	1,610.65	1,357.05	888.80	1,431.93	1,709.18
Claims on Government	...	...	...	...	...
Claims on Government corpns.	1,167.27	2,867.45	2,919.08	3,989.07	3,915.02
Claims on public sector 1	375.56	569.40	660.37	386.26	750.72
Claims on private sector	17,624.68	18,349.94	19,625.81	24,843.64	34,053.85
Claims on NBFIs	571.27	399.27	636.44	420.02	39.56
Liabilities total	**39,496.06**	**37,760.38**	**42,634.70**	**49,385.31**	**54,299.78**
Demand deposit	23,364.32	22,189.24	25,055.05	30,283.60	35,755.05
Time deposit	7,778.64	8,307.75	9,810.58	11,256.16	10,556.94
Foreign currency deposits	676.30	832.60	1,021.95	1,167.50	...
Capital accounts	4,614.17	5,285.72	6,206.47	5,812.48	6,921.52
Other items (net)	3,062.63	1,145.07	540.65	865.58	1,066.27

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 (2014 - 2018)

(Nu. in Million)

Item	2014	2015	2016	2017	2018
Assets total	**2,955.17**	**3,138.85**	**5,053.58**	**6,714.41**	**8,397.76**
Reserve with RMA	424.32	574.23	852.82	1,219.08	1,197.96
Foreign assets	65.96	81.85	282.15	244.18	509.52
Rupee	42.07	53.96	200.72	142.03	263.77
Other	23.89	27.89	81.43	102.14	245.75
Domestic Credit	**2,464.90**	**2,482.77**	**3,918.61**	**5,251.16**	**6,690.28**
Claims on Government	40.00	40.00	40.00	40.00	40.00
Claims on Government Corps	...	...	...	...	...
Claims on Public Sector [1]	36.95	51.92	51.63	51.94	71.28
Claims on private sector	2,380.45	2,383.09	3,819.49	5,151.72	6,420.29
Claims on NBFIs	7.50	7.75	7.50	7.50	158.71
Liabilities Total	**2,955.17**	**3,138.85**	**5,053.58**	**6,714.41**	**8,397.76**
Demand deposit	925.30	857.25	1,588.51	2,340.13	2,828.23
Time deposit	1,265.62	1,258.85	1,584.48	1,990.57	2,955.38
Foreign currency deposits	13.09	8.20	6.51	7.00	7.06
Foreign liabilities	...	...	...	...	...
Rupee	...	...	...	...	...
Other	...	...	...	...	...
Government deposites	...	...	...	...	...
Capital accounts	565.76	586.23	625.36	721.43	866.64
Other items (net)	185.41	428.32	1,248.71	1,655.28	1,740.46

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 of Druk PNB Bank Ltd., December (2014 - 2018)

(Nu. in Million)

Item	2014	2015	2016	2017	2018
Assets total	**6,545.14**	**7,070.08**	**8,521.45**	**11,678.74**	**13,236.75**
Reserve with RMA	2,049.87	1,532.87	2,345.51	3,941.48	3,916.93
Foreign assets	579.10	828.33	885.72	1,068.98	599.70
Rupee	276.08	717.80	164.50	404.01	353.10
Other	303.02	110.53	721.21	664.97	246.60
Domestic Credit	**3,916.18**	**4,708.88**	**5,290.23**	**6,668.29**	**8,720.12**
Claims on Government	...	...	...	...	...
Claims on Government corpns.	129.44	365.27	307.89	318.71	333.59
Claims on public sector [1]	46.42	61.90	105.57	147.91	264.14
Claims on private sector	3,639.35	4,248.03	4,626.70	5,870.43	7,772.34
Claims on NBFIs	100.96	33.68	250.08	331.23	350.05
Liabilities total	**6,545.14**	**7,070.08**	**8,521.45**	**11,678.74**	**13,236.75**
Demand deposit	3,185.32	4,170.00	4,191.53	6,312.21	4,798.70
Time deposit	1,843.01	1,864.73	2,743.13	4,509.31	7,084.16
Foreign currency deposits	227.48	19.66	716.25	...	...
Foreign liabilities	...	...	...	...	...
Rupee	...	...	...	...	...
Other	...	...	...	...	...
Credit from RMA	...	...	...	...	...
Capital accounts	977.82	1,080.67	1,189.58	1,306.07	1,852.27
Other items (net)	311.51	(64.98)	(319.03)	(448.85)	(498.38)

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 of Bhutan Insurance Limited, December (2014 - 2018)

(Nu. in Million)

Item	2014	2015	2016	2017	2018
Assets total	**624.55**	**1,040.65**	**1,248.56**	**1,878.50**	**2,156.09**
Reserves	81.58	94.65	109.46	191.89	297.96
Foreign Assets	...	...	...	0.00	0.00
Rupee	...	...	...	0.00	0.00
Others	...	...	...	0.00	0.00
Domestic Credit	**542.97**	**946.00**	**1,139.10**	**1,686.61**	**1,858.12**
Claims on Govt. (Net)	...	...	...	0.00	0.00
Claims on Govt. Corps.	...	...	...	0.00	0.00
Claims on public sector [1]	...	1.75	1.75	1.75	1.75
Claims on private sector	412.56	798.84	1,001.94	1,549.44	1,720.96
Claims on NBFIs	...	60.00	60.00	60.00	60.00
Claims on DMBs	130.41	85.41	75.41	75.41	75.41
Liabilities total	**624.55**	**1,040.65**	**1,248.56**	**1,878.50**	**2,156.09**
Life fund	...	...	...	0.00	0.00
Private provident funds	...	...	...	0.00	0.00
Group Insurance Fund	...	...	...	0.00	885.67
CredWit from DMB	0.00	430.90	0.00	0.00	0.00
Credit from NBFIs	...	...	505.65	295.50	310.50
Capital accounts	417.37	493.70	506.47	558.08	601.22
Other items (net)	207.18	116.05	236.44	1,024.92	358.70

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: Lending of Financial Institutions by Industry, Amounts Outstanding, (2014 - 2018)

(Nu. in Million)

Industry	2014	2015	2016	2017	2018
Agriculture	**2,653.64**	**3,830.04**	**4,630.57**	**5,690.27**	**5,857.00**
Bank of Bhutan Ltd	0.70	21.85	36.51	58.8	150.4
Royal Insurance Corporation of Bhutan Ltd	...	...	0.70	3.8	3.5
Bhutan Development Bank Ltd	2,650.19	3,803.80	4,571.77	5606.0	5640.2
Bhutan National Bank Ltd	0.71	0.71	0.42	0.4	48.4
Druk PNB Bank Ltd	0.60	0.62	15.48	17.0	9.5
T Bank Ltd	1.46	1.60	2.42	0.0	1.0
Bhutan Insurance Ltd	...	1.45	3.28	4.2	4.1
Service and Tourism	**8,827.20**	**10,898.61**	**16,757.79**	**22,905.26**	**28,744.17**
Bank of Bhutan Ltd	2,509.35	2,933.71	4,061.62	7587.5	10686.7
Royal Insurance Corporation of Bhutan Ltd	246.81	564.71	3,763.09	5489.7	6596.4
Bhutan Development Bank Ltd	1,965.69	2,333.81	2,917.54	3102.1	2842.0
Bhutan National Bank Ltd	2,992.78	3,490.14	483.87	4435.9	5268.4
Druk PNB Bank Ltd	806.99	1,177.08	1,367.95	1692.2	2498.1
T Bank Ltd	288.78	359.15	4,083.31	490.7	784.9
Bhutan Insurance Ltd	16.80	40.01	80.40	107.3	67.7
Manufacturing	**10,236.36**	**10,153.10**	**11,041.91**	**13,362.01**	**13,923.64**
Bank of Bhutan Ltd	3,397.09	3,509.01	3,730.82	3753.9	3965.9
Royal Insurance Corporation of Bhutan Ltd	1,111.76	1,398.45	3,799.45	2034.6	2246.7
Bhutan Development Bank Ltd	801.18	822.55	797.49	934.5	848.2
Bhutan National Bank Ltd	4,094.74	3,497.49	141.20	4729.3	4592.9
Druk PNB Bank Ltd	631.15	617.11	734.09	1476.1	1857.4
T Bank Ltd	177.08	230.54	1,669.25	266.9	250.8
Bhutan Insurance Ltd	23.37	77.94	169.62	166.8	161.9
Building and construction	**16,414.67**	**18,288.51**	**20,304.32**	**23,421.99**	**28,634.50**

cont...

Table 12.10 cont...

Industry	2014	2015	2016	2017	2018
Bank of Bhutan Ltd	5,435.02	5,372.66	5,456.67	6723.1	10073.2
Royal Insurance Corporation of Bhutan Ltd	2,285.16	2,613.40	6,862.91	2749.6	2673.6
Bhutan Development Bank Ltd	1,469.64	2,110.30	2,540.14	3094.8	3359.2
Bhutan National Bank Ltd	5,774.98	6,473.26	1,034.83	7234.0	8267.2
Druk PNB Bank Ltd	953.86	1,202.00	1,455.97	1635.5	1724.9
T Bank Ltd	475.12	449.66	2,817.88	1624.9	2194.4
Bhutan Insurance Ltd	20.89	67.23	135.93	360.2	342.0
Trade and commerce	**9,892.56**	**14,289.43**	**14,014.75**	**14,195.04**	**16,337.52**
Bank of Bhutan Ltd	1,229.54	1,594.45	1,514.52	1759.3	2226.2
Royal Insurance Corporation of Bhutan Ltd	2,661.65	4,761.67	6,177.46	3592.0	3924.1
Bhutan Development Bank Ltd	1,120.76	1,432.86	1,614.40	1487.9	1415.0
Bhutan National Bank Ltd	3,857.38	5,376.31	762.57	5938.2	6632.7
Druk PNB Bank Ltd	468.76	491.44	414.74	436.7	1026.3
T Bank Ltd	460.97	503.38	3,394.72	783.9	849.9
Bhutan Insurance Ltd	93.49	129.33	136.34	197.1	263.3
Transport	**2,390.10**	**3,216.45**	**4,226.51**	**5,510.52**	**6,842.16**
Bank of Bhutan Ltd	610.91	586.19	790.44	1,205.15	2,058.58
Royal Insurance Corporation of Bhutan Ltd	401.03	726.03	1,162.28	629.82	742.58
Bhutan Development Bank Ltd	260.64	630.05	1,063.81	1,293.66	1,116.04
Bhutan National Bank Ltd	680.90	789.90	223.91	1,515.88	1,809.31
Druk PNB Bank Ltd	109.72	116.28	127.77	121.38	159.76
T Bank Ltd	209.82	151.83	540.87	236.34	223.59
Bhutan Insurance Ltd	117.09	216.18	317.42	508.29	732.30
Personal loans	**11,499.28**	**11,648.06**	**13,019.93**	**13,001.07**	**13,561.05**
Bank of Bhutan Ltd	5,594.84	5,394.17	5,399.93	5,309.12	5,510.17
Royal Insurance Corporation of Bhutan Ltd	1,465.09	1,407.72	1,148.31	2,317.10	2,172.49

cont...

Table 12.10 cont...

Industry	2014	2015	2016	2017	2018
Bhutan Development Bank Ltd	2,320.19	2,475.43	2,729.58	2,459.39	2,736.15
Bhutan National Bank Ltd	1,044.73	1,104.91	755.37	1,259.33	1,141.04
Druk PNB Bank Ltd	524.26	519.13	533.06	546.45	641.65
T Bank Ltd	479.70	551.69	2,377.43	985.06	1,275.33
Bhutan Insurance Ltd	70.47	195.01	76.25	124.62	84.22
Loan Against Shares	**702.59**	**661.69**	**487.75**	**337.45**	**441.26**
Bank of Bhutan Ltd	181.41	179.92	26.58	5.36	15.86
Royal Insurance Corporation of Bhutan Ltd	68.56	88.67	63.44	84.79	...
Bhutan Development Bank Ltd	...	...	...	...	...
Bhutan National Bank Ltd	110.49	83.43	140.47	...	...
Druk PNB Bank Ltd	287.78	264.64	104.32	99.09	131.15
T Bank Ltd	12.43	9.53	99.02	100.07	256.26
Bhutan Insurance Ltd	41.92	35.50	53.92	48.14	37.99
Others	**1,365.63**	**1,791.73**	**3,925.29**	**4,914.99**	**5,108.54**
Bank of Bhutan Ltd	312.00	320.90	498.17	812.10	956.43
Royal Insurance Corporation of Bhutan Ltd	19.15	359.37	1,650.85	487.77	615.88
Bhutan Development Bank Ltd	352.81	562.64	660.29	806.33	966.97
Bhutan National Bank Ltd	211.89	260.92	328.89	1,610.27	1,313.64
Druk PNB Bank Ltd	133.95	71.18	286.85	393.86	421.34
T Bank Ltd	307.29	180.53	471.46	771.76	806.78
Bhutan Insurance Ltd	28.53	36.20	28.77	32.89	27.51
Total	**63,982.05**	**74,777.63**	**88,408.81**	**103,338.61**	**119,449.84**

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, (2014 - 2018)

(in percent)

Type of Deposit	2014	2015	2016	2017	2018
Savings	5.00	5.00	5.00	5.00	5.00
Fixed Deposit					
i) 3 months to less than 1 year	5.00	5.00	5.00	5.00	5.00
ii) 1 year to less than 2 years	7.00	6.75	6.75	6.75	6.50
iii) 2 years to less than 3 years	7.50	7.25	7.25	7.25	7.00
iv) 3 years less than 5 years	8.00	7.75	7.75	7.75	7.25
v) 5 years less than 7 years	8.50	8.50	8.50	8.50	7.25
vi) 7 years and above	8.80	8.75	8.75	8.75	7.25
For Institutions & Companies					
i) 91 days to less than 1 year	6.50	...	...	...	...
ii) 1 year to less than 2 years	7.00	7.00	7.00	7.00	6.00
iii) 2 years to less than 3 years	7.50	7.50	7.50	7.50	6.50
iv) 3 years to less than 5 years	8.00	8.00	8.00	8.00	7.25
v) 5 years to less than 7 years	8.50	8.25	8.25	8.25	7.25
vi) 7 years & above	8.50	8.50	8.50	8.75	7.25

Source: Bank of Bhutan, Thimphu

Table 12.12: Interest Rates and Repayment Period by Sector and Type of Loan, Financial Institutions, Bhutan (2016 - 2018)

Sector	2016		2017		2018	
	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)	9.86	1 yr. subject to review renewal	9.71	1 year	9.49	1 year
Convertible Currency (More than 60 days of credit)	9.86	1yr. subject to review renewal	10.71	1 year	9.49	1 year
General Trade						
Trade & Commerce - Hiring Units-Machinery	10.30	5 years	10.15	1-5 years	9.95	5 years
Trade & Commerce - Wholesale and Retail	11.50	1 year	11.35	1 year	11.14	1 year
Trade & Commerce - Contractors and Suppliers	10.66	3 years	10.51	1-3 years	10.30	8 years
Buses and trucks						
Term Loan	9.07	5 years	9.89-11.85	1-10 years	9.20	5 years
Working Capital	11.00	1 yr. subject to review renewal	10.20	1 year	9.98	1 year
Other Passenger vehicles	9.07	5 years	8.92	1-5 years	9.20	5 years
Agriculture and livestock	8.49	15 years	7.99-9.98	1-15 years	8.17	15 years
Manufacturing Industry						
Term Loan	11.07	20 years	9.98-11.93	1-20 years	9.98	20 years
Working Capital	11.05	1 yr. subject to review renewal	11.05	1 year	9.97	1 year
Service Industries						
Working Capital (General)	11	1 year	10.20	1 year	9.99	1 year
Working Capital (Automobile workshops etc.)	12	1 year	11.85	1 year	11.66	1 year
Construction of Hotels and Resturants	9.18	20 years	8.14-10.85	1-20 years	7.94	20 years
Hospitality/Entertainment/Recreational	10.1	20 years	9.95-11.88	1-20 years	9.74	20 years
IT related business	8.49	20 years	8-10.51	1-20 years	8.65	20 years
Set up of Hotel/Resort/Restaurant etc.	8.29	20 years	8.14-10.85	1-20 years	7.94	20 years
Setting up of Institutions (Schools/Colleges etc.)	8.49	20 years	8.34-10.85	1-20 years	8.72	20 years
Transport (Tourism)	9.29	5 years	9.14	1-5 years	8.92	5 years

cont...

Table 12.12 cont...

Sector	2016		2017		2018	
	Interest Rate (% p.a)	Repayment Period (Yrs)	Interest Rate (% p.a)	Repayment Period (Yrs)	Interest Rate (% p.a)	Repayment Period (Yrs)
Personal Loans	15.00	1 year	13.14	1 year	12.92	1 year
Equity finance	11.05	6 years	10.90-12.60	1-6 years	13.00	1 year
Housing (commercial)						
New Construction	12.73-13.25	1-20 years	9.15-12.90	1-20 years	8.93	20 years
Repair/Renovation	12.73-13.25	1-20 years	9.15-12.90	1-20 years	8.93	20 years
Purchase	12.73-13.25	1-20 years	9.15-12.90	1-20 years	8.93	20 years
Consumer Loans	12.35-12.75	1-5 Years	...	...	8.50	5 years
Housing (residential)				.		
New Construction	12.48-13	1-20 years	8.20-10.75	1-20 years	7.98	20 years
Repair/Renovation	12.48-13	1-20 years	8.20-10.75	1-20 years	7.98	20 years
Purchase	12.48-13	1-20 years	8.20-10.75	1-20 years	7.98	20 years
Consumer Loans	12.48-13	1-20 years	...	...	8.50	5 years

Source: Bank of Bhutan, Thimphu

Table 12.13: Royal Securities Exchange of Bhutan Ltd. Number of Share Holders at the End of December, (2014 - 2018)

(In Numbers)

Company	2014	2015	2016	2017	2018
Bhutan Board Products Ltd. (BBPL)	480	479	477	478	476
Bhutan Carbide & Chemical Ltd. (BCCL)	259	260	263	265	267
Bhutan Ferro Alloys Ltd. (BFAL)	43	43	43	43	43
Bhutan Insurance Ltd. (BIL)	4,370	4,318	4,294	4,269	4,283
Bhutan National Bank Ltd. (BNBL)	4,521	4,514	4,514	4,533	5,213
Bhutan Polymers Company Ltd. (BPCL)	127	128	129	127	127
Bhutan Tourism Corpn. Ltd (BTCL)	155	156	156	156	156
Druk Ferro Alloys Ltd. (DFAL)	457	459	459	457	469
Dungsam Polymers Ltd. (DPL) [2]	14,487	14,416	14,359	14,317	14,288
Druk plaster & Chemicals Ltd. (DPOP)	214	214	214	214	215
Druk PNB Bank (DPNB)	22,253	22,143	22,050	21,941	21,987
T Bank Ltd. (TBL)	7,864	7,756	7,703	7,647	7,609
Druk Satair Corporation Ltd. (DSCL)	1,266	1,265	1,262	1,262	1,262
Druk Wang Alloys Ltd. (DWAL)	494	494	498	500	500
Jigme Mining Corporation Ltd. (JMCL)	420	416	417	417	416
Kuensel Corporation Ltd. (KCL)	233	232	231	231	231
Penden Cement Authority Ltd. (PCAL)	1,425	1,417	1,418	1,403	1,446
Royal Insurance Corpn. of Bhutan (RICB)	1,494	1,493	1,484	1,481	1,606
S.D Eastern Bhutan Coal Company Ltd. (EBCC)	1,062	1,059	1,053	1,052	1,047
State Trading Corpn. of Bhutan Ltd. (STCB)	137	136	137	136	138
GIC-Bhutan Re-Limited (GBRL) 3	1,230	1,157	1,138	1,137	1,132
TOTAL	**62,991**	**62,555**	**62,299**	**62,066**	**62,911**

Note: [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, 2018

Company	Paid-Up Shares	Price per share (Nu)	Market capitalization (Nu. in million)
Bhutan Board Products Ltd. (BBPL)	14,000,040	11.45	160.30
Bhutan Carbide & Chemical Ltd. (BCCL)	10,000,000	70.00	700.00
Bhutan Ferro Alloys Ltd. (BFAL)	15,000,000	60.00	900.00
Bhutan Insurance Ltd. (BIL)	30,000,000	54.00	1,620.00
Bhutan National Bank Ltd. (BNBL)	329,193,596	31.00	10,205.00
Bhutan Polymers Company Ltd. (BPCL)	2,493,340	12.50	31.17
Bhutan Tourism Corpn. Ltd (BTCL)	2,094,000	41.00	85.85
Druk Ferro Alloys Ltd. (DFAL)	28,977,620	56.64	1,641.29
Dungsam Polymers Ltd. (DPL)	15,272,350	15.00	229.09
Druk plaster & Chemicals Ltd. (DPOP)	1,000,000	20.00	20.00
Druk PNB Bank (DPNB)	70,000,000	37.50	2,625.00
T Bank Ltd. (TBL)	42,499,786	40.00	1,699.99
Druk Satair Corporation Ltd. (DSCL)	9,130,860	34.00	310.45
Druk Wang Alloys Ltd. (DWAL)	17,314,353	39.67	686.86
Jigme Mining Corporation Ltd. (JMCL)	3,981,341	78.00	310.54
Kuensel Corporation Ltd. (KCL)	5,000,000	12.00	60.00
Penden Cement Authority Ltd. (PCAL)	34,000,070	92.00	3,128.01
Royal Insurance Corpn. of Bhutan (RICB)	120,000,000	72.00	8,640.00
S.D Eastern Bhutan Coal Company Ltd. (EBCC)	5,210,000	57.00	296.97
State Trading Corpn. of Bhutan Ltd. (STCB)	18,000,160	34.50	621.01
GIC-Bhutan Re-Limited (GBRL)	50,000,000	25.15	1,257.50
TOTAL	**823,167,516**	-	**35,229.03**

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, (2014 - 2018)

(Numbers)

Company	2014	2015	2016	2017	2018
Bhutan Board Products Ltd. (BBPL)	...	1,000	40,000	...	4,000
Bhutan Carbide & Chemicals Ltd.(BCCL)	40	800	75,000	1,250	3,800
Bhutan Ferro Alloys Ltd.(BFAL)	...	...	1,000	...	...
Bhutan Insurance Ltd.(BIL)	359,709	715,020	244,820	47,800	282,021
Bhutan National Bank Ltd.(BNBL)	12,435,817	4,983,929	9,893,122	3,166,772	8,697,358
Bhutan Polymers Company Ltd.(BPCL)	...	...	23,790	20,000	1,800
Bhutan Tourism Corpn. Ltd(BTCL)	1,500	3,200	...	...	1,200
Druk Ferro Alloys Ltd.(DFAL)	899,350	11,500	60,000	113,200	129,661
Dungsam Polymers Ltd.(DPL)	32,743	32,360	17,320	8,930	389,536
Druk Plaster & Chemicals Ltd.(DPOP)	...	...	...	...	1,500
Druk PNB Bank Ltd.(DPNB)	66,908	105,254	52,250	77,309	108,450
T Bank Ltd. (TBL)	57,994	274,672	256,730	150,880	484,312
Druk Satair Corpn. Ltd.(DSCL)	...	...	...	10,280	...
Druk Wang Alloys Ltd.(DWAL)	11,325	1,033,836	5,050	183,130	81,430
Jigme Mining Corporation Ltd.(JMCL)	3,468	37,350	4,044	...	7,700
Kuensel Corporation Ltd.(KCL)	...	8,670	1,500	...	...
Penden Cement Authority Ltd.(PCAL)	386,482	310,940	65,050	23,125	650,357
Royal Insurance Corpn. of Bhutan Ltd.(RICB)	2,506,765	72,334,495	442,200	423,600	341,578
S.D Eastern Bhutan Coal Company Ltd.(EBCC)	4,950	9,000	500	7,000	5,000
State Trading Corpn. of Bhutan Ltd.(STCB)	...	85,500	148,300	900	92,000
GIC-Bhutan Re-Limited (GBRL)	50,384,350	340,450	155,940	5,952	546,531
Total	**67,151,401**	**80,287,976**	**11,486,616**	**4,240,128**	**11,828,234**

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, (2014 - 2018)

(In Million Nu.)

Company	Capital Market	2014	2015	2016	2017	2018
Bhutan Board Products Ltd. (BBPL)	Primary	...	...	...	...	...
	Secondary	...	0.01	0.40	...	0.05
Bhutan Carbide & Chemicals Ltd. (BCCL)	Primary	...	...	...	...	...
	Secondary	0.03	0.06	5.63	0.09	0.27
Bhutan Ferro-Alloys Ltd. (BFAL)	Primary	...	...	...	...	...
	Secondary	...	...	0.06	...	...
Bhutan National Bank Ltd. (BNBL)	Primary	...	...	...	...	...
	Secondary	89.84	134.26	282.97	86.57	256.94
Bhutan Polymers Company Ltd. (BPCL)	Primary	...	...	...	...	...
	Secondary	...	...	0.24	0.20	0.02
Bhutan Tourism Corpn. Ltd (BTCL)	Primary	...	...	...	...	...
	Secondary	0.06	0.13	...	...	0.05
Druk plaster & Chemicals Ltd. (DPOP)	Primary	...	...	...	...	...
	Secondary	...	...	...	...	0.03
Druk Satair Corpn. Ltd. (DSCL)	Primary	...	...	...	...	...
	Secondary	...	...	...	0.35	...
Druk PNB Bank Ltd. (DPNB)	Primary	...	...	...	...	...
	Secondary	1.80	1.65	1.12	1.75	3.23
T Bank Ltd.(TBL)	Primary	...	...	...	...	...
	Secondary	4.14	4.06	3.85	2.62	16.87
Druk Wang Alloys Ltd.(DWAL)	Primary	...	...	...	...	...
	Secondary	0.98	2.43	0.19	6.27	2.91

cont...

Table 12.16 cont...

Company	Capital Market	2014	2015	2016	2017	2018
S.D Eastern Bhutan Coal Company Ltd.(EBCC)	Primary	...	...	...	...	...
	Secondary	0.23	0.36	0.02	0.30	0.24
Kuensel corporation Ltd.(KCL)	Primary	...	...	...	...	...
	Secondary	...	0.10	0.02	...	...
Penden Cement Authority Ltd.(PCAL)	Primary	...	...	...	...	...
	Secondary	27.66	17.76	3.62	1.35	41.98
Royal Insurance Corpn. of Bhutan Ltd.(RICB)	Primary	...	...	...	...	...
	Secondary	13.53	10.36	17.63	22.46	23.21
State Trading Corpn. of Bhutan Ltd.(STCB)	Primary	...	...	...	...	...
	Secondary	...	1.47	2.61	...	1.88
Jigme Mining Corporation Ltd. (JMCL)	Primary	...	...	...	...	...
	Secondary	2.90	2.68	0.32	...	0.54
Druk Ferro Alloys Ltd.(DFAL)	Primary	...	...	...	...	...
	Secondary	22.73	0.28	1.40	2.14	5.07
Dungsam Polymers Ltd. (DPL)	Primary	...	...	...	...	...
	Secondary	2.26	0.57	0.30	0.14	5.99
Bhutan Insurance Ltd.(BIL)	Primary	...	...	...	...	...
	Secondary	11.48	13.56	6.24	1.34	14.53
GIC-Bhutan Re-Limited (GBRL)	Primary	500.00	...	...	...	...
	Secondary	4.22	4.04	2.05	0.10	10.45
TOTAL		681.87	193.78	328.67	125.68	384.26

Source: Royal Securities Exchange of Bhutan Ltd.Thimphu

Table 12.17: Dividend Declared by the Company, (2014 - 2018)

(In Percent)

Company	2014	2015	2016	2017	2018
Bhutan Board Products Ltd. (BBPL)	7.0	8.0	...	...	...
Bhutan Carbide & Chemicals Ltd.(BCCL)	40.0	10.0	...	35.0	50.0
Bhutan Ferro Alloys Ltd.(BFAL)	75.0	40.0	...	100.0	150.0
Bhutan Insurance Ltd.(BIL)	9.4	16.8	27.0	35.0	...
Bhutan National Bank Ltd.(BNBL)	10.0	14.1	13.4	16.4	10.0
Bhutan Polymers Company Ltd.(BPCL)	...	15.0	25.0	30.0	20.0
Bhutan Tourism Corpn. Ltd (BTCL)	15.0	...	30.0	30.0	30.0
Druk Ferro Alloys Ltd.(DFAL)	30.0	...	11.0	30.0	80.0
Druk PNB Bank Ltd.(DPNB)	8.0	...	10.0	12.0	15.0
Druk Plaster & Chemicals Ltd.(DPOP)	...	...	...	...	...
Druk Satair Corpn. Ltd.(DSCL)	125.0	130.0	80.0	100.0	...
Druk Wang Alloys Ltd.(DWAL)	70.0	15.0	20.0	10.0	20.0
S.D Eastern Bhutan Coal Company Ltd.(EBCC)	300.0	200.0	200.0	200.0	290.0
Jigme Mining Corporation Ltd.(JMCL)	150.0	200.0	500.0	500.0	500.0
Kuensel Corporation Ltd.(KCL)	12.0	18.0	18.0	17.0	12.0
Penden Cement Authority Ltd.(PCAL)	80.0	35.0	70.0	70.0	60.0
Royal Insurance Corpn. of Bhutan Ltd.(RICB)	35.0	20.0	25.0	12.6	...
T Bank Ltd. (TBL)	5.7	5.7	...	...	...
State Trading Corpn. of Bhutan Ltd.(STCB)	...	15.0	18.0	20.0	21.0
Dungsam Polymers Ltd.(DPL)	...	...	...	...	...
GIC-Bhutan Re-Limited (GBRL)	...	...	...	3.0	...

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 labor. 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.

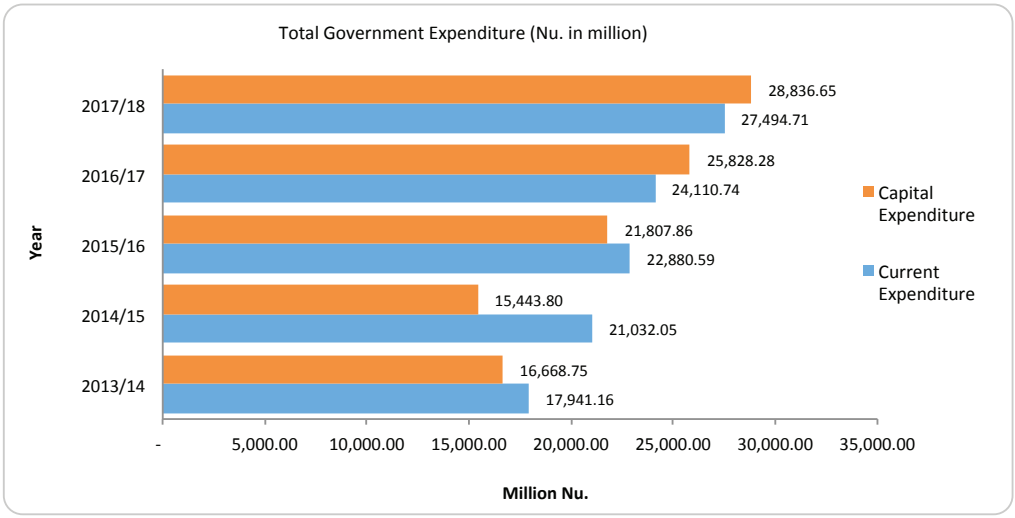

Table 13.1: Actual Annual Current Expenditure of the Government by Agency for the FY 2013/14 To 2017/18

(Nu. in million)

Agency	2013/14	2014/15	2015/16	2016/17	2017/18
Ministry	**9,451.016**	**10,849.192**	**12,687.916**	**11,918.394**	**14,572.039**
Ministry of Home & Cultural Affairs	1,391.982	1,482.861	1,618.889	1,832.516	1,856.126
Ministry of Finance	3,991.738	4,226.497	4,670.590	4,666.228	7,024.070
Ministry of Foreign Affairs	552.268	529.463	620.016	599.043	629.519
Ministry of Agriculture & Forests	1,489.781	1,739.289	1,850.925	2,029.863	2,069.680
Ministry of Economic Affairs	245.989	309.807	323.176	331.232	271.238
Ministry of Works & Human Settlement	423.675	497.333	578.009	609.642	620.203
Ministry of Information & Communications	178.575	218.142	231.673	253.921	265.357
Ministry of Health	840.545	843.424	934.666	962.171	1,114.105
Ministry of Education	152.531	783.946	1,625.620	394.163	478.386
Ministry of Labour & Human Resources	183.932	218.430	234.352	239.615	243.355
Judiciary	**225.945**	**259.929**	**265.067**	**269.217**	**292.117**
Thromdeys	**520.185**	**591.860**	**563.030**	**744.496**	**792.060**
Constitutional Bodies	**274.232**	**279.184**	**376.740**	**538.455**	**602.939**
Royal Civil Service Commission	46.789	57.283	82.202	67.767	58.984
Anti-Corruption Commission	34.584	44.703	52.243	72.488	84.37
Election Commission of Bhutan	90.702	44.757	94.401	243.413	284.767
Royal Audit Authority	102.157	132.441	147.894	154.787	174.818
Autonomous Bodies	**1,904.208**	**2,457.372**	**2,577.139**	**2,879.666**	**3,070.256**
His Majesty's Secretariat	27.305	33.659	28.773	33.474	32.519
His Majesty's Secretariat (4th King)	17.447	21.660	19.890	23.194	20.187
National Assembly of Bhutan	76.681	98.892	106.081	111.984	130.584
National Council of Bhutan	61.542	67.344	74.373	83.820	106.098

cont...

Table 13.1 cont...

Agency	2013/14	2014/15	2015/16	2016/17	2017/18
Council For Religious Affairs	503.060	571.636	597.524	635.466	664.669
Cabinet Secretariat	33.240	40.464	48.369	60.713	53.716
Office of The Attorney General	20.540	25.535	34.168	37.301	41.611
Bhutan Olympic Committee	23.788	24.327	48.986	32.035	25.972
Dzongkha Development Commission	14.574	19.248	15.710	20.937	18.786
National Land Commission	198.878	232.482	154.465	149.234	156.783
Centre for Bhutan Studies and GNH Research	11.692	38.298	35.394	24.985	40.462
Gross National Happiness Commission	34.946	39.245	41.265	37.526	39.768
National Environment Commission	33.716	33.276	31.134	29.870	30.952
Royal Institute of Management	40.114	48.311	49.906	45.456	47.374
Royal University of Bhutan	0.000	0.575	...	2.700	32.144
National Statistics Bureau	22.734	30.426	84.383	218.139	48.481
Bhutan Narcotic Control Authority	12.764	16.776	15.437	14.922	22.720
Bhutan Information Communication Media Authority	14.668	17.620	17.039	17.446	18.243
Drug Regulatory Authority	9.141	11.660	12.891	13.065	15.693
Tourism Council of Bhutan	48.657	56.298	57.739	55.057	59.486
National Commission for Women & Children	10.548	12.551	12.444	14.310	16.460
Royal Education Council	23.147	17.905	43.367	38.645	37.192
Bhutan Council for School Examination & Assessment	68.085	90.504	98.471	113.166	118.717
Royal Privy Council	9.464	13.328	14.650	12.620	14.949
Bhutan Standard Bureau	23.551	28.427	26.904	27.616	27.637
Khesar Gyalpo University of Medical Sciences of Bhutan	560.194	20.973	25.620	39.497	43.731
Jigme Singye Wangchuk School of Law	3.732	8.168	8.275	15.959	31.154

cont...

Table 13.1 cont...

Agency	2013/14	2014/15	2015/16	2016/17	2017/18
Bhutan National Legal Institute	...	17.005	14.328	17.936	15.837
Civil Society Organisations Authority	...	4.027	3.024	3.136	2.804
Jigme Dorji Wangchuk National Referral Hospital	...	816.752	856.529	930.612	1,050.200
Construction Development Authority	...	...	...	12.430	13.089
Bhutan Health Trust Fund	...	...	...	6.415	6.941
National Center for Hydrology and Meteorology	...	...	...	...	78.711
Bhutan Medical & Health Council	...	...	...	...	6.586
Dzongkhag Administration	**5,375.795**	**6,342.087**	**6,147.512**	**7,542.579**	**7,749.157**
Gewog Administration	**189.777**	**252.424**	**263.188**	**236.777**	**416.144**
Total Expenditure	**17,941.158**	**21,032.048**	**22,880.592**	**24,129.584**	**27,494.712**

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

Table 13.2: Actual Annual Capital Expenditure of the Government by Agency for the FY 2013/14 to 2017/18

(Nu. in million)

Agency	2013/14	2014/15	2015/16	2016/17	2017/18
Ministry	**11,620.247**	**10,591.096**	**14,440.963**	**15,871.804**	**19,180.351**
Ministry of Home & Cultural Affairs	373.123	658.583	1,028.667	1,330.663	1,306.250
Ministry of Finance	3,982.025	1,954.083	3,022.270	2,687.375	4,153.680
Ministry of Foreign Affairs	14.414	26.296	46.129	113.611	110.470
Ministry of Agriculture & Forests	1,110.801	997.912	1,493.486	1,575.417	1,430.250
Ministry of Economic Affairs	455.588	484.284	751.852	1,245.443	945.390
Ministry of Works & Human Settlement	3,603.307	3,775.760	5,046.126	5,409.501	7,247.651
Ministry of Information & Communications	519.773	699.476	653.451	754.095	873.400
Ministry of Health	603.279	683.024	795.977	821.582	1,137.380
Ministry of Education	714.243	1,014.719	1,137.330	1,432.231	1,251.430
Ministry of Labour & Human Resources	243.694	296.959	465.675	501.886	724.450
Thromdeys	**69.526**	**34.771**	**75.768**	**145.952**	**130.660**
Judiciary	**299.663**	**173.231**	**104.509**	**201.185**	**152.830**
Constitutional Bodies	**209.133**	**272.897**	**321.803**	**427.406**	**430.020**
Royal Civil Service Commission	91.186	118.526	145.521	252.399	227.150
Anti-Corruption Commission	69.253	40.185	36.428	58.107	27.920
Election Commission of Bhutan	16.095	89.055	81.301	15.663	24.670
Royal Audit Authority	32.599	25.131	58.553	101.237	150.280
Autonomous Bodies	**971.579**	**954.559**	**1,402.658**	**1,920.082**	**2,100.000**
His Majesty's Secretariat	1.407	2.162	0.975	1.173	0.710
His Majesty's Secretariat (4th King)	...	...	0.050	0.100	0.050
National Assembly of Bhutan	26.824	21.525	9.373	6.143	2.150
National Council of Bhutan	19.071	14.324	5.377	10.677	3.660

cont...

Table 13.2 cont...

Agency	2013/14	2014/15	2015/16	2016/17	2017/18
Council for Religious Affairs	183.803	156.006	212.897	250.015	241.330
Cabinet Secretariat	8.720	22.552	51.585	39.374	23.580
Office of the Attorney General	25.729	29.751	4.065	3.864	7.670
Bhutan Olympic Committee	12.636	11.004	59.327	131.726	147.320
Dzongkha Development Commission	5.165	3.299	3.793	4.872	9.640
National Land Commission	130.498	137.351	81.617	47.515	97.500
Centre for Bhutan Studies and GNH Research	2.950	1.270	11.204	37.310	133.830
Gross National Happiness Commission	45.383	73.274	84.197	79.888	119.880
National Environment Commission	33.141	60.436	115.908	80.798	55.190
Royal Institute of Management	77.013	51.171	40.187	31.834	28.020
Royal University of Bhutan	104.764	112.525	229.494	487.818	546.660
National Statistics Bureau	16.946	19.151	5.470	3.328	6.400
Bhutan Narcotic Control Agency	1.660	2.433	4.589	9.048	6.300
Bhutan Information Communication Media Authority	25.404	2.671	153.956	114.074	19.600
Drug Regulatory Authority	3.221	3.937	3.569	4.628	6.020
Tourism Council of Bhutan	127.016	82.216	59.893	54.868	46.350
National Commission for Women & Children	12.629	26.030	14.552	26.808	43.280
Royal Education Council	18.183	1.849	39.434	34.772	54.160
Bhutan Council for School Examination & Assessment	9.425	10.632	12.865	13.739	12.340
Royal Privy Council	1.336	1.219	2.701	0.426	1.310
Bhutan Standard Bureau	1.876	7.397	3.455	4.926	3.450
Khesar Gyalpo University of Medical Sciences of Bhutan	73.721	16.310	58.548	43.468	31.890
Jigme Singye Wangchuk School of Law	3.058	6.118	14.581	293.525	203.520
Bhutan National Legal Institute	...	6.727	8.376	10.204	6.870

cont...

Table 13.2 cont...

Agency	2013/14	2014/15	2015/16	2016/17	2017/18
Civil Society Organizations Authority	...	0.090	1.525	1.359	4.100
Jigme Dorji Wangchuck National Referral Hospital	...	71.129	109.095	83.060	142.220
Construction Development Authority	...	...	...	8.425	6.190
Bhutan Health Trust Fund	...	...	...	0.317	0.870
National Center for Hydrology and Meteorology	...	...	...	...	86.360
Bhutan Medical & Health Council	...	...	...	...	1.580
Dzongkhag Administration	**2,272.550**	**2,391.211**	**3,479.466**	**4,805.328**	**4,683.986**
Gewog Administration	**1,226.056**	**1,026.036**	**1,982.691**	**2,465.268**	**2,158.800**
Total Expenditure	**16,668.754**	**15,443.801**	**21,807.858**	**25,837.025**	**28,836.647**

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

Table 13.3: Summary of National Revenue Collections by Source for the FY 2013/14 to 2017/18

(Nu. in Million)

Source of Revenue	2013/14	2014/15	2015/16	2016/17	2017/18
(1) Tax Revenue (I+II)	**16,182.77**	**18,387.34**	**19,884.63**	**21,564.47**	**27,107.90**
(I) Direct Tax	**11,132.04**	**11,626.97**	**12,200.09**	**12,345.79**	**15,880.98**
Corporate Income Tax	6,127.43	6,488.78	7,459.58	8,170.30	9,033.28
Business Income Tax	1,783.89	1,585.02	1,175.30	1,276.90	1,496.72
Personal Income Tax	1,280.98	1,536.16	1,770.36	957.31	1,341.87
Other Direct Tax Revenue	**558.03**	**452.98**	**256.03**	**39.34**	**34.68**
Royalties	1,381.71	1,564.04	1,538.83	1,901.94	3,974.44
(II) Indirect Tax	5,050.73	6,760.37	7,684.53	9,218.67	11,226.92
Sales Tax	2,162.89	3,060.07	3,576.48	3,800.12	4,283.03
Excise Duty	2,556.47	2,686.85	2,483.07	3,579.66	4,834.08
Import Duty	312.79	447.40	597.39	562.56	773.19
Other Indirect Tax	16.90	20.18	20.47	366.67	398.06
Green Tax	1.68	545.87	1,007.12	909.65	938.56
(2) Non Tax Revenue	7,061.84	6,753.69	8,149.19	8,149.13	9,763.48
Administrative Fees & Charges	349.22	350.52	714.23	744.82	730.59
Revenue from Govt. Departments	357.99	454.17	498.48	281.58	2,639.70
Dividends	3,779.39	3,692.13	3,785.69	4,041.25	4,060.20
Other Non-Tax Revenue	81.02	115.37	86.71	99.24	44.18
Interest on Loan from Corporation	2,411.87	2,031.44	2,154.95	1,894.66	1,845.94
Transfer of Profits	...	0.00	788.68	874.07	418.24
Capital Revenue	82.36	110.06	120.45	213.51	24.64
Total Revenue (1+2)	**23,244.61**	**25,141.03**	**28,033.81**	**29,713.60**	**36,871.37**

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

Table 13.4: The Sector-wise Government Expenditures for the FY 2014/15 to 2017/18

(Nu. in million)

Sectors	2014/15		2015/16		2016/17		2017/18	
	Current	Capital	Current	Capital	Current	Capital	Current	Capital
Social Services	**7,729.926**	**3,029.017**	**9,238.171**	**3,853.878**	**9,241.227**	**5,846.502**	**9,901.174**	**5,815.487**
Health	2,473.893	983.760	2,732.031	1,371.164	2,837.284	1,521.735	3,170.304	1,693.833
Education	5,256.033	2,045.257	6,506.140	2,482.714	6,403.943	4,324.767	6,730.870	4,121.654
Economic Services	**3,388.883**	**7,027.985**	**3,984.276**	**10,943.615**	**3,680.943**	**11,377.887**	**3,762.329**	**12,354.236**
RNR Services	2,160.221	1,983.035	2,279.893	3,748.088	2,436.568	4,327.98	2,486.707	3,718.75
Mining, Manuftg. & Industries Services	192.791	108.490	217.067	129.509	91.267	51.566	93.010	92.140
Transport & Communication Services	613.632	4,154.617	1,027.770	5,682.554	771.161	5,517.83	789.703	7,107.28
Energy Services	89.219	361.354	89.782	575.052	98.506	806.992	113.680	229.175
Other Economic Services	333.020	420.489	369.764	808.412	283.441	673.522	279.229	1,206.894
Housing & Public Amenities Services	**404.822**	**725.864**	**502.943**	**1,707.065**	**444.752**	**1,664.923**	**456.456**	**2,115.226**
General Public Services	**7,114.433**	**3,134.840**	**6,559.296**	**3,266.782**	**8,054.467**	**4,419.977**	**12,104.565**	**6,586.424**
General Public Service	3,774.839	1,545.924	4,450.213	3,266.782	6,055.752	4,419.977	10,258.627	6,586.424
Public Debt Services	3,339.594	1,588.916	2,109.083	...	1,998.715	...	1,845.938	...
Religion & Cultural Services	**752.489**	**1,105.009**	**790.320**	**1,513.764**	**819.255**	**1,758.808**	**853.961**	**1,670.210**
Public Order & Safety Services	**1,641.491**	**421.091**	**1,805.586**	**522.752**	**1,888.943**	**768.926**	**416.225**	**295.063**
Total Expenditure	**21,032.044**	**15,443.806**	**22,880.592**	**21,807.856**	**24,129.587**	**25,837.023**	**27,494.710**	**28,836.646**

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

Table 13.5: Fiscal Framework of Government, Bhutan 2013/14 to 2017/18

(Nu. in Millions)

Item	2013/14	2014/15	2015/16	2016/17	2017/18
Revenue & Grants	37,819.123	36,231.052	42,039.298	42,673.126	52,113.168
Domestic Revenue	23,244.610	25,141.030	28,033.812	29,713.600	36,871.372
Tax	16,182.774	18,387.335	19,884.626	21,706.997	27,107.897
Non-Tax	7,061.836	6,753.695	8,149.186	8,006.603	9,763.475
Other Receipts (Net)	338.160	1,135.001	(884.124)	(27.226)	394.726
Grants	14,236.353	9,955.021	14,889.610	12,986.752	14,847.070
Programme Grants	1,749.693	2,125.000	2,340.015	2,125.000	1,700.000
GoI	1,625.00	2,125.00	1,275.00	2,125.00	1,700.00
Other Donors	124.693	...	1,065.015	...	...
Project Tied Grants	12,486.660	7,830.021	12,549.595	10,861.752	13,147.070
GoI	9,059.430	4,468.760	9,446.698	7,757.572	9,500.831
Other Donors	3,427.230	3,361.261	3,102.897	3,104.180	3,646.239
Outlay	33,522.834	34,334.259	43,603.000	48,017.988	52,658.670
Total Expenditure	34,609.903	36,475.849	44,688.447	49,966.611	56,331.357
Current	17,941.151	21,032.044	22,880.591	24,129.587	27,494.710
Capital	16,668.752	15,443.805	21,807.856	25,837.024	28,836.647
Net lending	(1,331.989)	(2,552.746)	(1,885.332)	(2,003.122)	(2,077.880)
Advance/Suspense (Net)	244.920	411.156	799.885	54.499	(1,594.807)
Overall Balance	4,296.289	1,896.795	(1,563.702)	(5,344.862)	(545.502)
Financing	(4,120.987)	(1,896.795)	1,563.702	5,344.862	545.502
Net Borrowings	(867.009)	(1,086.409)	(1,215.482)	524.326	(102.023)
Borrowings	1,534.544	1,685.268	1,818.681	3,227.662	2,718.332
Repayments	2,401.553	2,771.677	3,034.163	2,703.336	2,820.355
Resource Gap/Surplus	(3,253.978)	(810.386)	(2,779.184)	(4,820.536)	(647.525)

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

Table 13.6: Government Debt Stock & Debt Service, 2013/14 to 2017/18

(Nu. in Millions)

Debt	2013/14	2014/15	2015/16	2016/17	2017/18
Total Public Debt	**108,370.35**	**120,783.00**	**160,562.06**	**170,256.76**	**185,312.08**
Domestic Debt	2,913.44	2,106.81	4,656.12	10,057.34	8,159.68
External Debt	105,456.91	118,676.19	155,905.94	160,199.42	177,152.40
Indian Rupee Debt	67,870.16	81,183.64	115,393.82	119,207.69	133,190.70
Convertible Currency Debt	37,586.76	37,492.55	40,512.13	40,991.73	43,961.70
Total Debt Service	23,530.08	24,118.27	27,504.02	66,192.87	69,021.51
Domestic	12,719.04	15,639.24	21,202.62	54,412.71	63,784.83
External	10,811.04	8,479.04	6,301.39	11,780.16	5,236.67
Interest payment	2,871.23	2,646.62	2,499.40	2,540.66	2,633.93
Domestic	153.28	45.08	78.00	161.34	265.10
External	2,717.96	2,601.53	2,421.40	2,379.32	2,368.84
Indian Rupee	2,208.77	2,044.18	1,805.27	1,758.43	1,657.71
Convertible Currency	509.19	557.35	616.13	620.89	711.12
Principal payment	20,658.84	21,471.66	25,004.62	66,192.87	66,387.57
Domestic	12,565.76	15,594.16	21,124.63	54,412.71	63,519.74
External	8,093.08	5,877.50	3,879.99	11,780.16	2,867.84
Indian Rupee	7,227.76	4,816.13	2,516.64	9,817.84	1,342.59
Convertible Currency	865.32	1,061.37	1,363.35	1,962.32	1,525.25

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 **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".

The **Twelfth Five Year Plan (2018-2023)** will be Bhutan's last five year plan as a Least Developed Countries (LDC) as Bhutan will be graduating from the list of LDC by 2023. With the objective of Just, Harmonious and Sustainable Society through enhanced Decentralization, the 12th FYP and its 17 national key result areas are drawn from the timeless vision and wisdom emanating from the Golden Throne. Unlike past plan periods, the 12th FYP period commences from 1st November, 2018 and will end on 31st October, 2023 in order to align with the Government's tenure. Implementation will be rigorously monitored through the government performance management system to ensure that results are achieved. Progress will be reviewed during the annual and mid-term reviews to ensure that corrective measures and mid-course corrections are made in a timely manner.

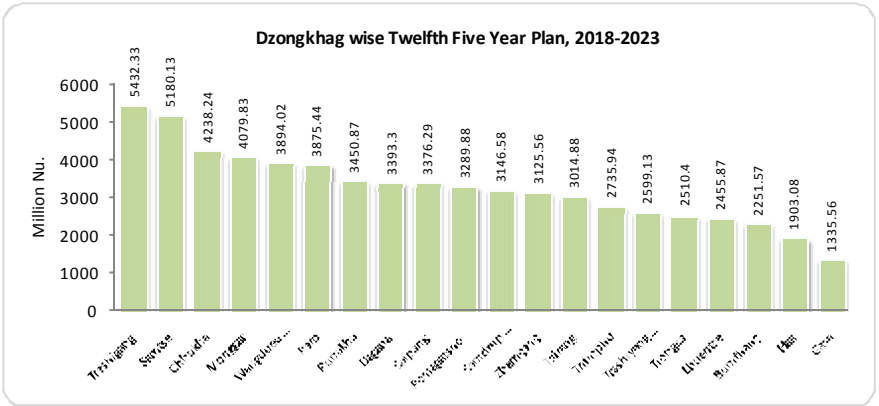

Table 14.1: Tenth Plan Budgetary Outlay and Allocation, Bhutan (2008-2013)

(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

cont...

Table 14.1 cont...

Organization	Recurrent	Capital	Total	Percent
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
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**	**22.44**
Judiciary	1,247.99	623.00	1,870.99	10.04
Royal Audit Authority	659.01	216.00	875.01	4.70
Election Commission Of Bhutan	220.58	428.00	648.58	3.48
Anti Corruption Commission	237.53	93.50	331.03	1.78
Royal Civil Service Commission	248.39	207.00	455.39	2.44
Autonomous Agency	**11,619.16**	**7,014.65**	**18,633.81**	**100.00**
His Majesty's Secretariat	182.14	...	182.14	0.98
Secretariat of His Majesty the Fourth King	135.06	...	135.06	0.72
National Assembly Secretariat	535.12	54.00	589.12	3.16
National Council	355.36	330.00	685.36	3.68
Royal Privy Council	83.89	...	83.89	0.45
Cabinet Secretariat	179.61	23.00	202.61	1.09
Office of the Attorney General	124.87	43.90	168.77	0.91
Gross National Happiness Commission	227.95	625.00	852.95	4.58
National Land Commission	1,182.19	500.00	1,682.19	9.03
National Environment Commission	183.94	374.00	557.94	2.99
Dzongkha Development Commision	88.34	63.00	151.34	0.81
Council for Religious Affairs	2,983.26	379.00	3,362.26	18.04
National Statistics Bureau	153.46	92.44	245.90	1.32
Royal University of Bhutan	...	1,086.45	1,086.45	5.83
Royal Education Council	181.43	292.00	473.43	2.54

cont...

Table 14.2 cont...

Organization	Outlays			% of Total
	Current	Capital	Total	
Bhutan Council for School Examination & Assessment	404.01	50.00	454.01	2.44
Royal Institute of Law & Bhutan National Legal Institute	32.80	589.50	622.30	3.34
University of Medical Sciences of Bhutan	3,233.61	487.30	3,720.91	19.97
Royal Institute of Management	280.94	273.00	553.94	2.97
Centre for Bhutan Studies	97.64	14.50	112.14	0.60
Bhutan Narcotic Control Agency	87.94	45.00	132.94	0.71
Bhutan Olympic Committee	176.07	395.00	571.07	3.06
Bhutan Broadcasting service Corporation	...	340.00	340.00	1.82
National commission for Women and Children	99.17	55.00	154.17	0.83
Bhutan Information Communication Media Authority	93.75	118.25	212.00	1.14
Bhutan Standard Bureau	145.77	36.00	181.77	0.98
Drug Regulatory Authority	56.67	33.00	89.67	0.48
Tourism Council of Bhutan	314.17	345.61	659.78	3.54
Royal Institute of Tourism and Hospitality	...	25.50	25.50	0.14
JDWNR Hospital	...	334.20	334.20	1.79
CSO Authority	...	10.00	10.00	0.05
Ministry	**70,429.48**	**55,657.19**	**126,086.67**	**676.66**
Ministry of Agriculture and Forest	8,786.88	4,856.00	13,642.88	73.22
Ministry of Education	933.75	7,438.74	8,372.49	44.93
Ministry of Finance	38,589.53	2,678.55	41,268.08	221.47
Ministry of Foreign Services	3,287.34	320.00	3,607.34	19.36
Ministry of Health	4,306.82	3,839.41	8,146.23	43.72
Ministry of Home and Cultural Affairs	8,076.18	3,702.00	11,778.18	63.21

cont...

Table 14.2 cont...

Organization	Outlays			% of Total
	Current	Capital	Total	
Ministry of Information and Communication	1,068.58	3,548.43	4,617.01	24.78
Ministry of Labour and Human Resources	1,271.25	1,383.00	2,654.25	14.24
Ministry of Econimic Affairs	1,626.42	6,782.06	8,408.48	45.12
Ministry of Works and Human Settlements	2,482.73	21,109.00	23,591.73	126.61
Others (HRD and Exigencies)	**...**	**2,910.66**	**2,910.66**	**15.62**
Human Resource Development	...	2,000.00	2,000.00	10.73
Other Capital (Vehicles, misc. exigences etc.)	...	910.66	910.66	4.89
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**	**329.93**
Dzongkhags and Gewogs	33,578.44	20,000.00	53,578.44	287.53
Thromdey	...	4,850.00	4,850.00	26.03
Thromdey Schools	3,050.88	...	3,050.88	16.37
Total Outlay	**121,291.46**	**92,000.00**	**213,291.46**	**1,144.65**

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

Table 14.3: Twelfth Five Year Plan Capital Outlay for Central Agencies, Bhutan (2018 -2023)

(Nu. in Million)

Organization	Outlays			% of Total
	Capital	Current	Total	
Ministries	**36,746.59**	**63,737.70**	**100,484.29**	**50.76**
Minstry of Agriculture and Forest	3,050.35	10,896.82	13,947.17	7.05
Ministry of Econimic Affairs	3,400.00	1,383.03	4,783.03	2.42
Ministry of Education	4,000.00	2,863.42	6,863.42	3.47
Ministry of Foreign Affairs	750.00	3,773.19	4,523.19	2.29
Ministry of Finance	700.00	22,038.88	22,738.88	11.49
Ministry of Health	3,580.00	5,785.78	9,365.78	4.73
Ministry of Home and Cultural Affairs	3,240.00	10,194.27	13,434.27	6.79
Ministry of Information and Communications	3,490.00	1,795.58	5,285.58	2.67
Ministry of Labour and Human Resources	2,800.00	1,352.34	4,152.34	2.10
Ministry of Works and Human Settlement	11,736.24	3,654.41	15,390.65	7.78
Constitutional Bodies	**1,610.00**	**4,056.86**	**5,666.86**	**2.86**
Election Commission of Bhutan	250.00	708.77	958.77	0.48
Royal Civil Services Commission	200.00	365.17	565.17	0.29
Anti Corruption Commission	210.00	446.39	656.39	0.33
Royal Audit Authority	200.00	993.40	1,193.40	0.60
Royal Court of Justice	750.00	1,543.13	2,293.13	1.16
Autonomous Agencies	**9,375.00**	**20,034.83**	**29,409.83**	**14.86**
Bhutan National Legal Institute	50.00	79.74	129.74	0.07
Jigme Singye Wangchuck School of Law	1,000.00	265.20	1,265.20	0.64
Royal University of Bhutan	1,200.00	3,766.82	4,966.82	2.51
Royal Institute of Management	200.00	251.53	451.53	0.23

cont...

Table 14.3 cont...

Organization	Outlays			% of Total
	Capital	Current	Total	
National Environment Commission Secretariat	450.00	179.21	629.21	0.32
National Statistics Bureau	300.00	187.63	487.63	0.25
Bhutan Olympic Committee	405.00	524.58	929.58	0.47
National Assembly Secretariat	50.00	630.55	680.55	0.34
National Council Secretariat	50.00	425.84	475.84	0.24
Cabinet Secretariat	50.00	211.62	261.62	0.13
Dzongkhag Development Commission	75.00	103.56	178.56	0.09
Bhutan Narcotic Control Authority	50.00	144.42	194.42	0.10
Drug Regulatory Authority	50.00	94.72	144.72	0.07
Office of Attorney General	50.00	181.61	231.61	0.12
National Commission for Women and Children	70.00	85.14	155.14	0.08
Bhutan Standards Bureau	50.00	134.89	184.89	0.09
Bhutan InfoComm and Media Authority	75.00	89.85	164.85	0.08
Dratshang Lhentshog	750.00	3,423.03	4,173.03	2.11
Bhutan Council for School Examinations and Assessment	160.00	656.00	816.00	0.41
Royal Education Council	300.00	180.03	480.03	0.24
National Land Commission Secretariat	300.00	861.44	1,161.44	0.59
Gross National Happiness Commission Secretariat	100.00	202.36	302.36	0.15
Khesar Gyalpo University of Medical Science of Bhutan	445.00	593.59	1,038.59	0.52
JDWNR Hospital	900.00	5,601.78	6,501.78	3.28
National Centre for Hydrology and Meteorology	300.00	473.77	773.77	0.39
Construction Development Board	55.00	78.11	133.11	0.07
Bhutan Medical Health Council	15.00	48.79	63.79	0.03

cont...

Table 14.3 cont...

Organization	Outlays			% of Total
	Capital	Current	Total	
Royal Bhutan Police*	1,500.00	-	1,500.00	0.76
Centre for Bhutan Studies and GNH Research	200.00	193.39	393.39	0.20
Agency for Promotion of Indigenous Crafts**	170.00	-	170.00	0.09
Civil Society Organisation Authority	5.00	17.19	22.19	0.01
Tourism Council Of Bhutan***	-	348.43	348.43	0.18
Others	**6,470.00**	**55,910.67**	**62,380.67**	**31.51**
Human Resource Development	1,200.00	-	1,200.00	0.61
Common Public Expenditure	2,000.00	4,364.58	6,364.58	3.22
Provision for Office Constructions	2,270.00	-	2,270.00	1.15
Royal Privy Council	-	88.95	88.95	0.04
General Provisions	-	24,066.59	24,066.59	12.16
Subsidies, Transfers and Equities	-	13,709.61	13,709.61	6.93
Debt Servicing	-	13,645.56	13,645.56	6.89
Bhutan Health Trust Fund	-	35.39	35.39	0.02
Bhutan Economic Stabilisation Fund	1,000.00	-	1,000.00	0.51
Total Outlay	**54,201.59**	**143,740.07**	**197,941.66**	**100.00**

*Note: *RBP current budget included under MoHCA.*
***APIC Current budget included under DCSI, MoEA.*
****TCB Capital budget included under Tourism flagship.*
*****Excluding flagship programme outlay. Over capital budgeting of Nu 3201.59 million for central agencies.*

Source: Twelfth Five Year Plan Document 2018 -2023, GNH Commission, Thimphu.

Table 14.4: Dzongkhag Wise Tenth Five Year Plan Outlay (2008 - 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 - 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: Dzongkhag Wise Twelfth Five Year Plan Outlay (2018 - 2023)

(Nu.in Million)

Dzongkhag	Capital	Current	Total
Bumthang	736.38	1,515.19	2,251.57
Chhukha	1,042.88	3,195.36	4,238.24
Dagana	1,179.85	2,213.45	3,393.30
Gasa	665.37	670.20	1,335.56
Haa	714.83	1,188.25	1,903.08
Lhuentse	922.42	1,533.45	2,455.87
Monggar	1,011.72	3,068.12	4,079.83
Pemagatshel	984.47	2,305.41	3,289.88
Paro	1,075.40	2,800.04	3,875.44
Punakha	986.03	2,464.85	3,450.87
Samdrup Jongkhar	795.18	2,351.40	3,146.58
Samtse	1,348.85	3,831.28	5,180.13
Sarpang	951.53	2,424.76	3,376.29
Trashiyangtse	740.47	1,858.66	2,599.13
Trashigang	1,122.43	4,309.91	5,432.33
Thimphu	1,139.44	1,596.50	2,735.94
Trongsa	995.15	1,515.25	2,510.40
Tsirang	901.51	2,113.37	3,014.88
Wangduephodrang	1,257.21	2,636.81	3,894.02
Zhemgang	1,009.59	2,115.97	3,125.56
Others	...	...	438.30
TOTAL	**19,580.71**	**45,708.23**	**65,288.90**

Source: "Twelfth Five Year Plan Vol. I 2018-2023", Gross National Happiness Commission

Table 14.7: Indicative Capital Allocation to Gewogs, Twelfth Five Year Plan (2018 -2023)

Dzongkhag	Sl. No	Gewog	RAF	CMI	Total
Bumthang	1	Chhoekhor	87.367	19.8	107.167
	2	Chhumig	52.799	19.8	72.599
	3	Tang	49.646	19.8	69.446
	4	Ura	37.436	19.8	57.236
		Total	**227.248**	**79.2**	**306.448**
Chhukha	1	Bjagchhog	53.624	19.8	73.424
	2	Bongo	99.806	61.8	161.606
	3	Chapchha	47.394	19.8	67.194
	4	Darla	162.578	19.8	182.378
	5	Doongna	42.861	19.8	62.661
	6	Geling	49.787	39.81	89.597
	7	Getana	41.834	398.146	439.98
	8	Loggchina	66.428	124.2	190.628
	9	Maedtabkha	26.364	19.8	46.164
	10	Phuentshogling	119.218	19.8	139.018
	11	Samphelling	86.95	19.8	106.75
		Total	**796.844**	**762.556**	**1559.4**
Dagana	1	Dorona	40.76	82.8	123.56
	2	Drukjeygang	74.255	19.8	94.055
	3	Gesarling	36.306	19.8	56.106
	4	Gozhi	53.833	19.8	73.633
	5	Karmaling	36.514	40.8	77.314
	6	Karna	69.114	19.8	88.914
	7	Khebisa	66.656	74.32	140.976
	8	Largyab	32.432	82.005	114.437
	9	Lhamoi Dzingkha	56.692	19.8	76.492
	10	Nichula	41.214	40.8	82.014
	11	Tashiding	59.639	40.8	100.439
	12	Tsangkha	45.35	19.8	65.15
	13	Tsenda-Gang	54.168	40.8	94.968
	14	Tseza	39.127	21	60.127
		Total	**706.06**	**542.125**	**1248.185**
Gasa	1	Khamaed	21.024	19.8	40.824
	2	Khatoed	17.544	19.8	37.344
	3	Laya	68.443	92.3	160.743

cont...

Table 14.7 cont...

Dzongkhag	Sl. No	Gewog	RAF	CMI	Total
Gasa	4	Lunana	56.962	21	77.962
		Total	**163.973**	**152.9**	**316.873**
Haa	1	Bji	42.978	19.8	62.778
	2	Gakiling	52.147	61.8	113.947
	3	Kar-tshog	36.276	19.8	56.076
	4	Samar	34.434	19.8	54.234
	5	Sangbay	53.335	40.8	94.135
	6	Uesu	32.119	19.8	51.919
		Total	**251.289**	**181.8**	**433.089**
Lhuentse	1	Gangzur	74.707	19.8	94.507
	2	Jarey	43.15	19.8	62.95
	3	Khoma	62.382	19.8	82.182
	4	Kurtoed	31.853	19.8	51.653
	5	Maedtsho	39.909	19.8	59.709
	6	Maenbi	60.361	21	81.361
	7	Minjey	43.656	19.8	63.456
	8	Tsaenkhar	71.932	19.8	91.732
		Total	**427.95**	**159.6**	**587.55**
Mongar	1	Balam	32.873	19.8	52.673
	2	Chagsakhar	48.578	19.8	68.378
	3	Chhaling	60.38	19.8	80.18
	4	Dramedtse	67.365	19.8	87.165
	5	Drepoong	45.449	19.8	65.249
	6	Gongdue	58.573	108.66	167.233
	7	Jurmed	59.742	19.8	79.542
	8	Kengkhar	61.295	19.8	81.095
	9	Monggar	94.25	19.8	114.05
	10	Narang	49.312	73.45	122.762
	11	Ngatshang	46.623	19.8	66.423
	12	Saling	59.974	19.8	79.774
	13	Shermuhoong	67.376	19.8	87.176
	14	Silambi	53.783	208.3	262.083
	15	Thang-rong	56.046	19.8	75.846
	16	Tsakaling	59.798	19.8	79.598
	17	Tsamang	44.812	19.8	64.612
		Total	**966.229**	**667.61**	**1633.839**

cont...

Table 14.7 cont...

Dzongkhag	Sl. No	Gewog	RAF	CMI	Total
Paro	1	Dokar	50.417	19.8	70.217
	2	Dopshar-ri	48.462	19.8	68.262
	3	Doteng	28.132	19.8	47.932
	4	Hoongrel	11.918	19.8	31.718
	5	Lamgong	69.057	19.8	88.857
	6	Loong-nyi	50.62	19.8	70.42
	7	Nagya	76.475	19.8	96.275
	8	Sharpa	77.342	19.8	97.142
	9	Tsento	74.857	19.8	94.657
	10	Wangchang	67.317	19.8	87.117
		Total	**554.597**	**198**	**752.597**
Pema Gatshel	1	Chhimoong	38.994	158.42	197.414
	2	Chhoekhorling	33.635	70.67	104.305
	3	Chongshing	43.358	19.8	63.158
	4	Dechhenling	80.603	19.8	100.403
	5	Dungmaed	46.918	40.8	87.718
	6	Khar	46.924	19.8	66.724
	7	Nanong	60.852	19.8	80.652
	8	Norboogang	64.147	19.8	83.947
	9	Shumar	67.569	21	88.569
	10	Yurung	41.436	121.3	162.736
	11	Zobel	51.331	19.8	71.131
		Total	**575.767**	**530.99**	**1106.757**
Punakha	1	Barp	67.086	19.8	86.886
	2	Chhubu	53.432	40.8	94.232
	3	Dzomi	44.552	19.8	64.352
	4	Goenshari	35.998	19.8	55.798
	5	Guma	70.078	21	91.078
	6	Kabisa	50.571	19.8	70.371
	7	Lingmukha	29.343	19.8	49.143
	8	Shelnga-Bjemi	40.641	19.8	60.441
	9	Talog	39.295	19.8	59.095
	10	Toedpaisa	50.821	19.8	70.621
	11	Toedwang	36.819	19.8	56.619
		Total	**518.636**	**240**	**758.636**

cont...

Table 14.7 cont...

Dzongkhag	Sl. No	Gewog	RAF	CMI	Total
Samdrup Jongkhar	1	Dewathang	55.229	19.8	75.029
	2	Gomdar	88.027	19.8	107.827
	3	Langchenphu	34.528	19.8	54.328
	4	Lauri	110.134	188.07	298.204
	5	Martshala	72.658	61.8	134.458
	6	Orong	67.598	40.8	108.398
	7	Pemathang	42.155	19.8	61.955
	8	Phuentshogthang	72.484	19.8	92.284
	9	Samrang	19.059	19.8	38.859
	10	Serthig	62.582	19.8	82.382
	11	Wangphu	72.975	40.8	113.775
		Total	**697.429**	**470.07**	**1167.499**
Samtse	1	Denchukha	79.287	179.3	258.587
	2	Dophuchen	117.777	19.8	137.577
	3	Dungtoed	48.118	165.38	213.498
	4	Namgyalchhoeling	94.473	19.8	114.273
	5	Norbugang	79.687	19.8	99.487
	6	Norgaygang	131.631	40.8	172.431
	7	Pemaling	83.294	19.8	103.094
	8	Phuntshopelri	112.821	106.8	219.621
	9	Samtse	97.939	21	118.939
	10	Sangacholing	81.708	19.8	101.508
	11	Tading	139.644	19.8	159.444
	12	Tashichoeling	75.482	19.8	95.282
	13	Tendruk	117.468	19.8	137.268
	14	Ugyentse	36.969	19.8	56.769
	15	Yoeseltse	81.127	19.8	100.927
		Total	**1377.425**	**711.28**	**2088.705**
Sarpang	1	Chudzom	81.997	296	377.997
	2	Chuzanggang	60.043	19.8	79.843
	3	Dekiling	93.504	19.8	113.304
	4	Gakiling	77.538	40.8	118.338
	5	Gelegphu	73.768	19.8	93.568
	6	Jigme Chhoeling	100.956	40.8	141.756
	7	Samtenling	54.597	19.8	74.397
	8	Senggey	43.874	40.8	84.674

cont...

Table 14.7 cont...

Dzongkhag	Sl. No	Gewog	RAF	CMI	Total
Sarpang	9	Serzhong	40.926	19.8	60.726
	10	Shompangkha	29.623	19.8	49.423
	11	Tareythang	18.173	19.8	37.973
	12	Umling	39.058	19.8	58.858
		Total	**714.057**	**576.8**	**1290.857**
Thimphu	1	Chang	69.912	19.8	89.712
	2	Darkarla	36.276	19.8	56.076
	3	Ge-nyen	24.982	19.8	44.782
	4	Kawang	80.579	19.8	100.379
	5	Lingzhi	26.543	22.2	48.743
	6	Maedwang	80.034	19.8	99.834
	7	Naro	18.27	88.53	106.8
	8	Soe	16.567	22.2	38.767
		Total	**353.163**	**231.93**	**585.093**
Trashi Yangtse	1	Bumdeling	85.546	19.8	105.346
	2	Jamkhar	35.99	19.8	55.79
	3	Khamdang	91.25	19.8	111.05
	4	Ramjar	47.282	19.8	67.082
	5	Toedtsho	63.419	19.8	83.219
	6	Tongmajangsa	47.792	19.8	67.592
	7	Yalang	66.069	19.8	85.869
	8	Yangtse	68.082	21	89.082
		Total	**505.43**	**159.6**	**665.03**
Trashigang	1	Bartsham	49.308	19.8	69.108
	2	Bidung	41.186	19.8	60.986
	3	Kanglung	88.858	19.8	108.658
	4	Kangpar	67.893	19.8	87.693
	5	Khaling	65.508	19.8	85.308
	6	Lumang	97.278	19.8	117.078
	7	Merag	66.064	168.9	234.964
	8	Phongmed	67.671	19.8	87.471
	9	Radhi	67.153	19.8	86.953
	10	Sagteng	116.097	129.17	245.267
	11	Samkhar	68.885	19.8	88.685
	12	Shongphu	61.634	19.8	81.434
	13	Thrimshing	53.365	19.8	73.165

cont...

Table 14.7 cont...

Dzongkhag	Sl. No	Gewog	RAF	CMI	Total
Trashigang	14	Udzorong	69.485	19.8	89.285
	15	Yangnyer	65.182	19.8	84.982
		Total	**1045.567**	**555.47**	**1601.037**
Trongsa	1	Draagteng	76.941	19.8	96.741
	2	Korphu	35.85	19.8	55.65
	3	Langthil	81.486	19.8	101.286
	4	Nubi	79.635	21	100.635
	5	Tangsibji	43.714	19.8	63.514
		Total	**317.626**	**100.2**	**417.826**
Tsirang	1	Barshong	43.566	61.8	105.366
	2	Dunglagang	49.059	19.8	68.859
	3	Gosarling	45.793	19.8	65.593
	4	Kilkhorthang	57.603	42	99.603
	5	Mendrelgang	43.408	51.7	95.108
	6	Patshaling	39.492	19.8	59.292
	7	Pungtenchhu	45.543	19.8	65.343
	8	Rangthangling	51.218	40.8	92.018
	9	Semjong	38.967	19.8	58.767
	10	Sergithang	48.336	19.8	68.136
	11	Tsholingkhar	53.588	19.8	73.388
	12	Tsirang Toed	48.7	61.8	110.5
		Total	**565.273**	**396.7**	**961.973**
Wangdue Phodrang	1	Athang	45.243	40.8	86.043
	2	Bjenag	50.719	19.8	70.519
	3	Dangchhu	39.593	19.8	59.393
	4	Darkar	61.108	19.8	80.908
	5	Gangteng	47.722	19.8	67.522
	6	Gase Tshogongm	59.206	19.8	79.006
	7	Gase Tshowogm	21.596	19.8	41.396
	8	Kazhi	48.407	19.8	68.207
	9	Nahi	29.527	19.8	49.327
	10	Nyishog	50.257	19.8	70.057
	11	Phangyuel	31.007	19.8	50.807
	12	Phobji	47.326	21	68.326
	13	Ruebisa	46.808	19.8	66.608

cont...

Table 14.7 cont...

Dzongkhag	Sl. No	Gewog	RAF	CMI	Total
Wangdue Phodrang	14	Saephu	43.747	19.8	63.547
	15	Thedtsho	85.195	19.8	104.995
		Total	**707.461**	**319.2**	**1026.661**
Zhemgang	1	Bardo	82.83	229.83	312.66
	2	Bjoka	52.982	156.17	209.152
	3	Goshing	63.46	19.8	83.26
	4	Nangkor	73.393	40.8	114.193
	5	Ngangla	68.077	19.8	87.877
	6	Phangkhar	54.615	42	96.615
	7	Shingkhar	64.299	74.324	138.623
	8	Trong	68.323	19.8	88.123
		Total	**527.979**	**602.524**	**1130.503**

Source: "Twelfth Five Year Plan Vol. I 2018-2023", Gross National Happiness Commission

Table 14.8: Thromde Wise Twelfth Five Year Plan Outlay (2018 - 2023)

(Nu.in Million)

Thromde	Current	Capital	Total
Thimphu	2,919.63	4,666.45	7,586.08
Phuentsholing	623.02	2,370.40	2,993.42
Samdrup Jongkhar	438.43	1,575.91	2,014.34
Gelephu	570.62	1,513.24	2,083.86
Total	**4,551.70**	**10,126.00**	**14,677.70**

Source: "Twelfth Five Year Plan Vol. I 2018-2023", 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 .

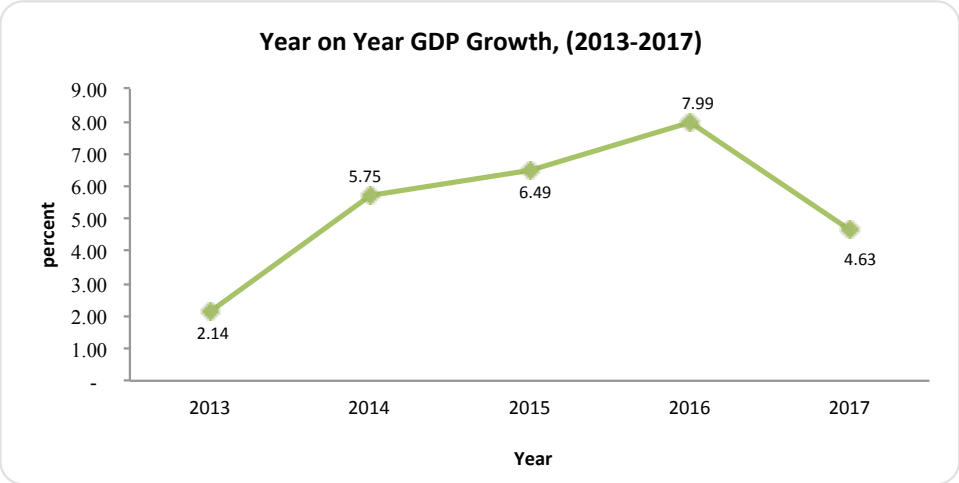

Table 15.1: GDP by Economic Activity at Current Prices, (2014 - 2018)

(Nu. in million)

Sectors	2014	2015	2016	2017	2018
1. Agriculture, Livestock & Forestry	20,050.39	22,007.59	24,565.44	28,591.14	...
1.1 Crops	12,029.02	13,340.02	14,794.58	17,513.39	...
1.2 Livestock	4,869.27	5,236.88	5,779.41	7,057.30	...
1.3 Forestry & Logging	3,152.09	3,430.69	3,991.45	4,020.45	...
2. Mining & Quarrying	3,376.43	4,484.27	6,455.09	6,954.62	...
3. Manufacturing	9,705.14	10,543.50	11,085.11	11,938.23	...
4. Electricity & Water Supply	16,917.83	18,933.12	19,892.13	21,766.87	...
4.1 Electricity	16,885.90	18,901.14	19,856.94	21,728.17	...
4.2 Water Supply	31.93	31.99	35.19	38.70	...
5. Construction	18,479.70	20,612.96	24,204.73	26,126.36	...
6. Wholesale & Retail Trade	8,471.66	10,233.35	11,624.75	13,460.01	...
7. Hotels & Restaurants	2,045.91	2,485.70	2,823.74	3,476.78	...
8. Transport, Storage & Communications	11,508.69	11,883.73	13,387.49	14,923.42	...
9. Financing, Insurance, Real Estates & Business Services	9,048.88	9,827.57	10,892.39	11,667.34	...
9.1 Finance & Insurance	6,461.22	6,901.34	7,574.04	7,945.71	...
9.2 Real Estate & Dwellings	2,489.76	2,738.74	3,176.94	3,408.28	...
9.3 Business Services	97.89	187.48	141.41	313.35	...
10. Public Administration	8,079.11	9,103.73	9,829.28	11,647.29	...
11. Education & Health	4,874.55	5,672.73	6,523.31	5,334.49	...
12. Private Social & Recreational Services	471.81	503.70	532.45	654.69	...
13. Taxes Net of Subsidies	6,515.65	5,729.34	6,863.02	8,086.67	...
GDP	**119,545.75**	**132,021.30**	**148,678.93**	**164,627.92**	**...**

Note : The data for the year 2018 is not available from the source at this point of time .

Source: National Accounts Statistics, NSB

Table 15.2: Percentage Share of GDP by Economic Activity at Current Prices, (2014 - 2018)

Sectors	2014	2015	2016	2017	2018
1. Agriculture, Livestock & Forestry	16.77	16.67	16.52	17.37	...
1.1 Crops	10.06	10.10	9.95	10.64	...
1.2 Livestock	4.07	3.97	3.89	4.29	...
1.3 Forestry & Logging	2.64	2.60	2.68	2.44	...
2. Mining & Quarrying	2.82	3.40	4.34	4.22	...
3. Manufacturing	8.12	7.99	7.46	7.25	...
4. Electricity & Water Supply	14.15	14.34	13.38	13.22	...
4.1 Electricity	14.13	14.32	13.36	13.20	...
4.2 Water Supply	0.03	0.02	0.02	0.02	...
5. Construction	15.46	15.61	16.28	15.87	...
6. Wholesale & Retail Trade	7.09	7.75	7.82	8.18	...
7. Hotels & Restaurants	1.71	1.88	1.90	2.11	...
8. Transport, Storage & Communications	9.63	9.00	9.00	9.06	...
9. Financing, Insurance, Real Estates & Business Services	7.57	7.44	7.33	7.09	...
9.1 Finance & Insurance	5.40	5.23	5.09	4.83	...
9.2 Real Estate & Dwellings	2.08	2.07	2.14	2.07	...
9.3 Business Services	0.08	0.14	0.10	0.19	...
10. Public Administration	6.76	6.90	6.61	7.07	...
11. Education & Health	4.08	4.30	4.39	3.24	...
12. Private Social & Recreational Services	0.39	0.38	0.36	0.40	...
13. Taxes Net of Subsidies	5.45	4.34	4.62	4.91	...
Overall GDP	**100.00**	**100.00**	**100.00**	**100.00**	**...**

Note : The data for the year 2018 is not available from the source at this point of time .

Source: National Accounts Statistics, NSB

Table 15.3: Sectoral Growth Rates of GDP in Constant Prices, (2014 - 2018)

(Nu. in million)

Sectors	2014	2015	2016	2017	2018
1. Agriculture, Livestock & Forestry	2.37	4.56	3.65	3.39	...
1.1 Crops	3.98	5.74	6.54	6.33	...
1.2 Livestock	2.31	3.36	5.54	4.41	...
1.3 Forestry & Logging	(0.97)	3.51	(5.42)	(5.63)	...
2. Mining & Quarrying	17.01	13.38	11.47	7.01	...
3. Manufacturing	9.17	4.41	2.42	5.50	...
4. Electricity & Water Supply	(2.83)	7.43	2.64	(3.81)	...
4.1. Electricity	(2.85)	7.44	2.63	(3.83)	...
4.2. Water Supply	9.49	0.17	10.00	10.00	...
5. Construction	6.54	10.33	13.31	6.34	...
6. Wholesale & Retail Trade	13.65	12.72	10.59	10.41	...
7. Hotels & Restaurants	17.38	16.15	9.90	15.20	...
8. Transport, Storage & Communications	9.01	8.80	11.20	12.09	...
9. Financing, Insurance, Real Estates & Business Services	3.82	5.53	10.70	3.64	...
9.1 Finance & Insurance	3.82	6.12	10.06	2.85	...
9.2 Real Estate & Dwellings	3.76	3.34	12.38	1.11	...
9.3 Business Services	5.60	2.31	31.70	111.12	...
10. Public Administration	7.04	7.60	5.35	0.44	...
11. Education & Health	5.98	3.73	12.21	(2.31)	...
12. Private Social & Recreational Services	1.69	2.95	3.78	20.74	...
13. Taxes Net of Subsidies	13.88	(14.95)	14.99	10.61	...
Overall GDP	**5.75**	**6.49**	**7.99**	**4.63**	**...**

Note : The data for the year 2018 is not available from the source at this point of time .

Source: National Accounts Statistics, NSB

Table 15.4: Gross Domestic Product by Major Economic Sectors in Current Prices, (2014 - 2018)

(Nu. in Million)

Sector	2014	2015	2016	2017	2018
1. Primary	20,050.39	22,007.59	24,565.44	28,591.14	...
2. Secondary	48,479.10	54,573.85	61,637.06	66,786.08	...
3. Tertairy	51,016.26	55,439.86	62,476.43	69,250.71	...
Overall GDP	**119,545.75**	**132,021.30**	**148,678.93**	**164,627.92**	**...**

Note : The data for the year 2018 is not available from the source at this point of time .
Source: National Accounts Statistics, NSB

Table 15.5: Percentage Share of GDP by Major Sector in Current Prices, (2014 - 2018)

Sector	2014	2015	2016	2017	2018
1. Primary	0.17	0.17	0.17	17.37	...
2. Secondary	0.41	0.41	0.41	40.57	...
3. Tertairy	0.43	0.42	0.42	42.06	...
Overall GDP	**1.00**	**1.00**	**1.00**	**100.00**	**...**

Note : The data for the year 2018 is not available from the source at this point of time .
Source: National Accounts Statistics, NSB

Table 15.6: Year on Year GDP Growth, (2014-2018)

(in Percent)

Sector	2014	2015	2016	2017	2018
1. Primary	0.31	0.59	3.65	3.39	...
2. Secondary	1.64	3.52	6.79	2.41	...
3. Tertairy	3.79	2.39	10.48	7.15	...
Overall GDP	**5.75**	**6.49**	**7.99**	**4.63**	**...**

Note : The data for the year 2018 is not available from the source at this point of time .
Source: National Accounts Statistics, NSB

Table 15.7: GDP by Expenditure at Current Prices, (2014 - 2018)

(Nu. in million)

Description	2014	2015	2016	2017	2018
1. Final Consumption Expenditure	82,900.68	96,496.79	100,732.35	113,926.90	...
Households & NPISHs	62,706.64	73,031.24	75,670.97	86,867.04	...
General Government	20,194.04	23,465.55	25,061.39	27,059.85	...
2. Gross Domestic Capital Formation	61,813.47	71,286.96	82,700.52	84,386.26	...
Construction	46,352.54	48,392.69	55,265.46	57,284.00	...
Machinery & Equipment	17,061.61	22,984.31	26,020.49	24,821.87	...
Software, database dev.(gov)	350.83	210.71	433.17	2,368.72	...
Valuables	236.86	47.96	95.32	86.50	...
Changes in Inventories	(2,188.36)	(348.70)	886.08	(174.83)	...
3. Net Export	(25,168.39)	(35,762.45)	(34,753.94)	(33,685.24)	...
Export of Goods & Services	43,376.76	43,414.41	44,184.40	47,893.47	...
Import of Goods & Services	68,545.15	79176.858	78938.345	81578.709	...
GDP, Expenditure	**119,545.75**	**132,021.30**	**148,678.93**	**164,627.92**	**...**

Note : The data for the year 2018 is not available from the source at this point of time .

Source: National Accounts Statistics, NSB

Table 15.8: GDP Share of Expenditure at Current Prices, (2014 - 2018)

(in Percent)

Expenditure	2014	2015	2016	2017	2018
1. Final Consumption Expenditure	69.35	73.09	67.75	69.20	...
Households & NPISHs	52.45	55.32	50.90	52.77	...
General Government	16.89	17.77	16.86	16.44	...
2. Gross Domestic Capital Formation	51.71	54.00	55.62	51.26	...
Construction	38.77	36.66	37.17	34.80	...
Machinery & Equipment	14.27	17.41	17.50	15.08	...
software data base dev.	0.29	0.16	0.29	1.44	...
Nvaluables	0.20	0.04	0.06	0.05	...
Changes in Inventories	(1.83)	(0.26)	0.60	(0.11)	...
3. Net Export	(21.05)	(27.09)	(23.38)	(20.46)	...
Export of Goods & Services	36.28	32.88	29.72	29.09	...
Import of Goods & Services	57.34	59.97	53.09	49.55	...
GDP, Expenditure	**100.00**	**100.00**	**100.00**	**100.00**	...

Note : The data for the year 2018 is not available from the source at this point of time .

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 BLSS 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.

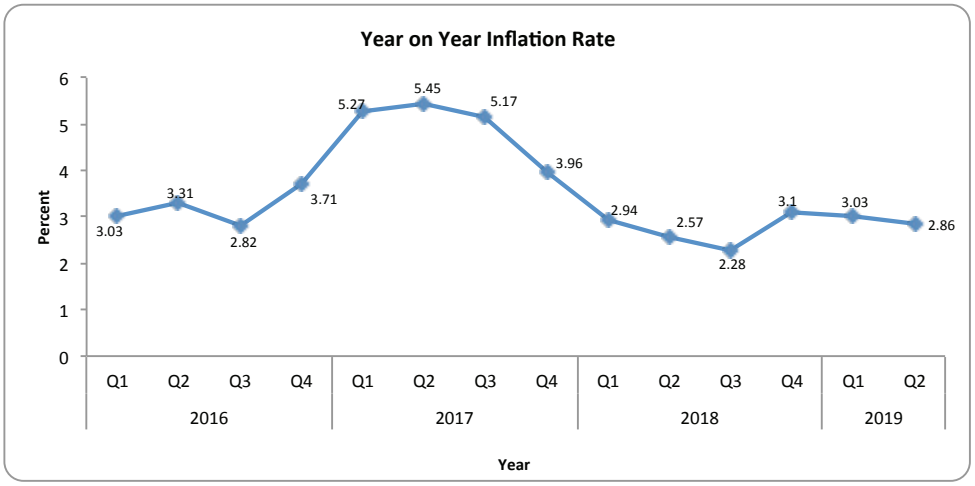

Table 16.1: Year on Year Inflation

Group	Weights	Jan	Feb	Mar	Apr	May	Jun	July	Aug
Food	39.92	6.70	5.94	7.83	5.50	5.52	5.10	4.00	3.49
Non-Food	60.08	0.58	0.46	0.28	0.63	0.74	0.89	0.71	1.24
Total	**100**	**2.98**	**2.61**	**3.23**	**2.55**	**2.62**	**2.55**	**2.01**	**2.13**

Source: CPI Bulletin June 2019, Economic and Environment Statistics Division, NSB, Thimphu

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

12 Major Groups	Weights	Jan	Feb	Mar	Apr
Food and non-alcoholic Beverages	36.88	6.76	5.95	8.00	5.46
Alcoholic Beverages and Narcotics	3.03	5.87	5.79	5.86	6.00
Clothing and Footwear	9.20	2.34	1.82	2.04	2.64
Housing, Water, Electricity, Gas and other Fuels	21.70	1.23	1.24	1.26	1.19
Furnishing, Household Equipment and Routine Maintenance of the House.	2.22	1.92	1.65	1.45	1.40
Health	4.67	2.02	1.41	1.29	1.29
Transport	11.98	-3.57	-3.42	-4.42	-3.22
Communication	3.03	0.01	0.02	0.02	-0.01
Recreational and Culture	2.35	0.39	0.34	0.29	0.34
Education	1.64	3.29	3.25	3.25	3.25
Restuarents and Hotels	1.24	4.00	3.84	3.84	5.49
Miscellaneous Goods and Services	2.06	2.78	2.32	2.65	2.74
Total	**100.00**	**2.98**	**2.61**	**3.23**	**2.55**

Source: CPI Bulletin June 2019, Economic and Environment Statistics Division, NSB, Thimphu

	2018				2019					
	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
	3.86	4.00	3.58	3.87	3.58	3.10	2.85	3.43	2.82	3.13
	1.95	2.47	2.76	2.65	2.82	2.95	3.06	2.92	2.72	2.59
	2.71	**3.08**	**3.09**	**3.13**	**3.12**	**3.01**	**2.98**	**3.13**	**2.72**	**2.74**

2018								2019					
May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
5.52	5.05	3.96	3.45	3.85	4.00	3.56	4.01	3.73	3.21	2.95	3.62	2.99	3.37
5.62	5.69	4.50	3.91	3.96	4.02	3.87	2.15	1.79	1.68	1.66	1.15	0.71	0.14
2.81	2.97	2.38	2.56	3.08	2.93	2.93	2.86	2.37	2.45	2.23	1.99	1.84	1.77
0.73	0.65	0.46	1.77	2.09	2.09	2.10	2.11	3.17	3.16	3.16	3.15	3.14	3.14
1.40	1.15	0.86	1.57	2.05	2.08	2.15	1.88	2.04	2.17	2.20	2.55	2.90	3.17
1.29	1.29	0.93	0.48	2.75	3.72	3.72	3.24	3.24	3.11	3.22	3.22	3.22	3.22
-2.00	-1.19	-0.98	-1.04	0.38	2.93	4.34	4.11	3.41	4.38	5.14	4.43	3.31	2.52
-0.01	-0.03	-0.02	0.12	0.12	0.25	0.25	0.25	0.29	0.28	0.28	0.31	0.31	0.31
0.31	0.29	0.27	0.47	0.63	0.50	0.63	0.63	0.63	0.63	0.63	0.54	0.54	0.55
3.25	3.25	3.35	3.35	3.35	3.35	3.35	3.35	3.35	0.78	0.78	0.78	0.78	0.78
5.49	5.19	5.38	7.28	8.71	7.17	6.90	6.15	6.26	6.26	6.39	7.02	7.02	7.33
2.73	2.83	2.07	1.87	1.89	1.63	1.74	1.57	1.62	1.61	1.22	1.80	1.80	2.49
2.62	**2.55**	**2.01**	**2.13**	**2.71**	**3.08**	**3.09**	**3.13**	**3.12**	**3.01**	**2.98**	**3.13**	**2.72**	**2.74**

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

Year	Month/ weight	Index (December 2012=100)			Purchasing Power of Ngultrum (Nu.)	Percent Change (%)		
		Group				Group		
		Food	Non-Food	Total		Food	Non-Food	Total
	Weights	**39.92**	**60.08**	**100.00**		**39.92**	**60.08**	**100.00**
2017	Jan	133.01	127.12	129.44	77.26	0.50	0.49	0.50
	Feb	134.43	127.45	130.19	76.81	1.07	0.26	0.58
	Mar	132.54	127.68	129.60	77.16	-1.40	0.18	-0.46
	Apr	135.31	127.64	130.65	76.54	2.09	-0.03	0.81
	May	135.35	127.87	130.80	76.45	0.03	0.18	0.12
	Jun	135.04	127.85	130.67	76.53	-0.23	-0.01	-0.10
	Jul	136.47	128.15	131.41	76.10	1.06	0.23	0.56
	Aug	137.27	128.45	131.90	75.81	0.58	0.24	0.37
	Sep	137.38	128.20	131.79	75.88	0.08	-0.20	-0.09
	Oct	138.36	128.34	132.25	75.61	0.72	0.11	0.35
	Nov	140.03	127.86	132.59	75.42	1.21	-0.37	0.25
	Dec	141.58	127.67	133.05	75.16	1.10	-0.15	0.35
2018	Jan	141.92	127.85	133.29	75.02	0.24	0.14	0.18
	Feb	142.42	128.04	133.59	74.85	0.35	0.14	0.23
	Mar	142.92	128.03	133.78	74.75	0.36	-0.00	0.14
	Apr	142.76	128.44	133.98	74.64	-0.12	0.32	0.14
	May	142.83	128.81	134.23	74.50	0.05	0.29	0.19
	Jun	141.92	128.99	134.00	74.63	-0.63	0.14	-0.17
	Jul	141.93	129.06	134.05	74.60	0.01	0.06	0.04
	Aug	142.05	130.04	134.71	74.23	0.09	0.76	0.49

cont...

Table 16.3 cont...

Year	Month/ weight	Index (December 2012=100)			Purchasing Power of Ngultrum (Nu.)	Percent Change (%)		
		Group				Group		
		Food	Non-Food	Total		Food	Non-Food	Total
	Weights	**39.92**	**60.08**	**100.00**		**39.92**	**60.08**	**100.00**
2018	Sep	142.68	130.69	135.35	73.88	0.44	0.50	0.48
	Oct	143.90	131.52	136.33	73.35	0.86	0.63	0.72
	Nov	145.05	131.40	136.69	73.16	0.80	-0.09	0.26
	Dec	147.05	131.05	137.22	72.88	1.38	-0.26	0.39
2019	Jan	146.99	131.46	137.45	72.75	-0.04	0.31	0.17
	Feb	146.83	131.81	137.61	72.67	-0.11	0.27	0.11
	Mar	146.99	131.96	137.76	72.59	0.11	0.11	0.11
	Apr	147.66	132.20	138.17	72.38	0.45	0.18	0.29
	May	146.85	132.32	137.89	72.52	-0.55	0.09	-0.20
	Jun	146.36	132.33	137.68	72.63	-0.33	0.01	-0.15

Source: CPI Bulletin June 2019, Economic and Environment Statistics 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
2018	Jan	145.54	130.39	135.81	0.46	0.01	0.18
	Feb	146.02	130.57	136.09	0.33	0.14	0.21
	Mar	146.16	130.57	136.14	0.09	0.00	0.04
	Apr	145.66	130.68	136.04	-0.35	0.08	-0.08
	May	145.79	130.68	136.08	0.09	0.00	0.03
	Jun	144.45	130.67	135.61	-0.92	-0.01	-0.35
	Jul	144.39	130.88	135.73	-0.04	0.16	0.09
	Aug	144.01	132.42	136.60	-0.26	1.18	0.64
	Sep	144.50	132.79	137.01	0.34	0.28	0.30
	Oct	146.50	133.78	138.35	1.39	0.74	0.98
	Nov	148.10	133.78	138.91	1.09	0.00	0.40
	Dec	151.04	133.83	139.96	1.99	0.03	0.75
2019	Jan	151.27	134.87	140.72	0.15	0.78	0.55
	Feb	150.98	134.88	140.63	-0.19	0.01	-0.07
	Mar	151.51	134.89	140.82	0.35	0.01	0.13
	Apr	152.61	135.06	141.31	0.73	0.13	0.35
	May	150.74	135.08	140.47	-1.23	0.01	-0.60
	Jun	149.89	135.24	140.17	-0.56	0.12	-0.21

Source: CPI Bulletin June 2019, Economic and Environment Statistics 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	Overall	Food	Non-Food	Overall
	Weights	17.77	30.24	48.01	17.77	30.24	48.01
2018	Jan	138.92	125.32	130.94	0.06	0.27	0.18
	Feb	139.43	125.51	131.26	0.37	0.15	0.24
	Mar	140.22	125.51	131.58	0.57	-0.00	0.24
	Apr	140.32	126.21	132.04	0.07	0.56	0.35
	May	140.34	126.94	132.48	0.01	0.58	0.34
	Jun	139.76	127.30	132.47	-0.41	0.28	-0.01
	Jul	139.84	127.24	132.46	0.05	-0.05	-0.00
	Aug	140.35	127.67	132.92	0.36	0.33	0.35
	Sep	141.09	128.60	133.78	0.53	0.73	0.64
	Oct	141.69	129.27	134.42	0.43	0.52	0.48
	Nov	142.50	129.02	134.60	0.57	-0.19	0.13
	Dec	143.76	128.29	134.67	0.89	-0.56	0.05
2019	Jan	143.49	128.09	134.44	-0.19	-0.16	-0.17
	Feb	143.42	128.77	134.82	-0.05	0.53	0.28
	Mar	143.31	129.05	134.94	-0.08	0.21	0.09
	Apr	143.64	129.36	135.26	0.23	0.24	0.24
	May	143.76	129.56	135.43	0.08	0.15	0.12
	Jun	143.58	129.46	135.30	-0.13	-0.08	-0.10

Source: CPI Bulletin June 2019, Economic and Environment Statistics 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.	Health	
Weights			36.89	3.03	9.20	21.70	2.20	4.68	
Index (December 2012=100)	2018	Jan	141.33	149.23	133.17	137.02	133.21	110.98	
		Feb	141.86	149.39	133.25	137.05	133.22	111.12	
		Mar	142.40	149.49	133.53	137.08	133.22	111.00	
		Apr	142.15	150.34	134.36	137.12	133.28	111.00	
		May	142.27	149.84	134.55	137.14	133.28	111.00	
		Jun	141.28	149.98	134.63	137.17	133.28	111.00	
		July	141.28	150.16	134.58	137.41	133.37	111.00	
		Aug	141.35	150.94	135.36	139.37	134.49	111.00	
		Sep	142.02	151.00	135.80	139.79	134.98	113.55	
		Oct	143.31	151.37	135.87	139.81	135.10	114.58	
		Nov	144.52	151.69	135.90	139.83	135.22	114.58	
		Dec	146.66	151.89	136.24	139.85	135.59	114.58	
Index (December 2012=100)	2019	Jan	146.60	151.90	136.32	141.36	135.92	114.58	
		Feb	146.42	151.90	136.51	141.38	136.11	114.58	
		Mar	146.59	151.96	136.51	141.40	136.15	114.58	
		Apr	147.30	152.06	137.03	141.43	136.68	114.58	
		May	146.52	150.90	137.03	141.45	137.14	114.58	
		Jun	146.04	150.19	137.01	141.47	137.50	114.58	
Percent Change (%)	2018	Jan	0.23	0.36	0.55	0.04	0.09	0.00	
		Feb	0.37	0.11	0.06	0.02	0.01	0.13	
		Mar	0.38	0.06	0.21	0.02	0.00	-0.11	
		Apr	-0.17	0.57	0.62	0.03	0.04	0.00	
		May	0.08	-0.33	0.14	0.02	0.00	0.00	
		Jun	-0.69	0.09	0.06	0.02	0.00	0.00	
		July	0.00	0.12	-0.03	0.18	0.07	0.00	
		Aug	0.05	0.52	0.58	1.42	0.84	0.00	
		Sep	0.47	0.04	0.32	0.30	0.36	2.29	
		Oct	0.91	0.25	0.05	0.02	0.10	0.91	
		Nov	0.85	0.21	0.02	0.02	0.09	0.00	
		Dec	1.48	0.13	0.25	0.02	0.27	0.00	

	Transport	Communication	Recreational and Culture	Education	Restuarents and Hotels	Miscellaneous Goods and Services	Total
	11.98	3.03	2.35	1.64	1.24	2.06	100.00
	124.69	95.62	111.79	136.63	133.03	129.76	133.29
	124.99	95.63	111.79	140.11	133.03	129.78	133.59
	124.69	95.63	111.79	140.11	133.03	130.38	133.78
	125.76	95.61	111.91	140.11	135.34	130.52	133.98
	127.40	95.61	111.91	140.11	135.34	130.52	134.23
	128.18	95.61	111.91	140.11	134.95	130.72	134.00
	128.02	95.61	111.94	141.20	134.95	130.73	134.05
	128.37	95.74	112.07	141.20	138.14	131.14	134.71
	129.11	95.74	112.34	141.20	139.99	131.18	135.35
	132.57	95.86	112.36	141.20	139.99	131.44	136.33
	131.81	95.86	112.49	141.20	140.05	131.55	136.69
	129.60	95.86	112.50	141.20	141.03	131.74	137.22
	128.95	95.90	112.50	141.20	141.35	131.86	137.45
	130.47	95.90	112.50	141.20	141.35	131.86	137.61
	131.10	95.90	112.50	141.20	141.53	131.98	137.76
	131.33	95.90	112.52	141.20	144.84	132.87	138.17
	131.61	95.90	112.52	141.20	144.84	132.87	137.89
	131.40	95.90	112.52	141.20	144.85	133.97	137.68
	0.17	0.00	0.00	0.00	0.13	0.04	0.18
	0.24	0.01	0.00	2.55	0.00	0.01	0.23
	-0.24	0.00	0.00	0.00	0.00	0.47	0.14
	0.85	-0.03	0.10	0.00	1.73	0.11	0.14
	1.30	0.00	0.00	0.00	0.00	0.00	0.19
	0.61	0.00	0.00	0.00	-0.29	0.15	-0.17
	-0.13	0.00	0.03	0.78	0.00	0.01	0.04
	0.27	0.14	0.12	0.00	2.37	0.31	0.49
	0.58	0.00	0.24	0.00	1.34	0.03	0.48
	2.68	0.12	0.03	0.00	0.00	0.20	0.72
	-0.57	0.00	0.11	0.00	0.04	0.08	0.26
	-1.68	0.00	0.01	0.00	0.70	0.14	0.39

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.	Health	
Percent Change (%)	2019	Jan	-0.04	0.01	0.06	1.08	0.24	0.00	
		Feb	-0.12	0.00	0.13	0.02	0.14	0.00	
		Mar	0.12	0.04	0.00	0.02	0.03	0.00	
		Apr	0.49	0.07	0.38	0.02	0.39	0.00	
		May	-0.53	-0.77	0.00	0.01	0.34	0.00	
		Jun	-0.32	-0.47	-0.01	0.02	0.26	0.00	

Source: CPI Bulletin June 2019, Economic and Environment Statistics Division, NSB, Thimphu

	Transport	Communication	Recreational and Culture	Education	Restuarents and Hotels	Miscellaneous Goods and Services	Total
	-0.51	0.04	0.00	0.00	0.23	0.09	0.17
	1.18	0.00	0.00	0.00	0.00	0.00	0.11
	0.49	0.00	0.00	0.00	0.12	0.09	0.11
	0.17	0.00	0.01	0.00	2.34	0.68	0.29
	0.22	0.00	0.00	0.00	0.00	0.00	-0.20
	-0.16	0.00	0.00	0.00	0.01	0.83	-0.15

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

Sectors	Share (%)	Jan	Feb	Mar	Apr	May
Agriculture, Forestry and Logging	0.72	134.79	134.79	134.79	134.79	134.79
Mining and quarrying	0.89	122.77	122.68	122.70	124.86	125.56
Manufacturing	1.55	130.98	133.29	131.49	131.67	132.48
Electricity, gas, steam and air conditioning supply	35.35	123.80	123.80	123.80	123.80	123.80
Water supply; sewerage, waste management and remediation activities	0.08	109.39	109.39	109.39	109.39	109.39
Transport and Storage	2.45	120.11	120.49	120.82	121.15	122.10
Information and communication	0.33	89.57	89.57	89.57	89.57	89.57
All Industry	**41.36**	**125.13**	**126.19**	**125.39**	**125.62**	**126.09**

Source: PPI 2nd Qtr 2019, National Accounts Division, NSB, Thimphu.

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

Sectors	Share (%)	Jan	Feb	Mar	Apr	May
Agriculture, Forestry and Logging	0.72	0.00	0.00	0.00	0.00	0.00
Mining and quarrying	0.89	-4.24	-0.07	0.01	1.76	0.56
Manufacturing	1.55	7.75	1.76	-1.35	0.14	0.62
Electricity, gas, steam and air conditioning supply	35.35	0.00	0.00	0.00	0.00	0.00
Water supply; sewerage, waste management and remediation activities	0.08	0.00	0.00	0.00	0.00	0.00
Transport and Storage	2.45	-5.97	0.31	0.27	0.28	0.78
Information and communication	0.33	0.00	0.00	0.00	0.00	0.00
All Industry	**41.36**	**2.99**	**0.85**	**-0.63**	**0.18**	**0.37**

Source: PPI 2nd Qtr 2019, National Accounts Division, NSB, Thimphu.

2018								2019					
	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
	134.79	134.79	134.79	134.79	134.79	134.79	134.79	134.79	134.79	134.79	134.79	134.79	134.79
	125.17	124.98	126.01	125.19	125.17	125.46	125.38	125.99	125.72	125.43	125.89	125.89	125.89
	132.42	132.34	131.55	128.92	130.06	130.41	129.69	125.76	124.28	123.86	123.05	122.92	120.97
	123.80	124.16	124.16	124.16	124.16	124.16	124.16	124.16	124.16	124.16	124.16	124.16	124.16
	109.39	109.39	109.39	109.39	109.39	109.39	109.39	109.39	109.39	109.39	109.39	109.39	109.39
	122.23	122.68	123.09	124.42	130.02	129.13	128.64	128.60	128.83	127.95	127.93	128.11	127.93
	89.57	89.57	89.57	89.57	89.57	89.57	89.57	89.57	89.57	89.57	89.57	89.57	89.57
	126.05	**126.16**	**125.88**	**124.71**	**125.56**	**125.68**	**125.32**	**123.53**	**122.83**	**122.57**	**122.21**	**122.16**	**121.22**

2018								2019					
	Jun	Jul	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	0.00	0.00
	-0.31	-0.15	0.82	-0.65	-0.02	0.23	-0.06	0.48	-0.21	-0.23	0.37	0.00	0.00
	-0.05	-0.06	-0.60	-1.99	0.88	0.27	-0.55	-3.03	-1.17	-0.34	-0.66	-0.10	-1.59
	0.00	0.15	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	0.00	0.00
	0.10	0.37	0.33	1.09	4.50	-0.68	-0.38	-0.03	0.18	-0.68	-0.02	0.14	-0.14
	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
	-0.04	**0.04**	**-0.22**	**-0.93**	**0.68**	**0.10**	**-0.29**	**-1.43**	**-0.56**	**-0.22**	**-0.29**	**-0.04**	**-0.77**

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

Sectors	Share (%)	Jan	Feb	Mar	Apr	May
Agriculture, Forestry and Logging	0.72	0.00	0.00	0.00	0.00	0.00
Mining and quarrying	0.95	-3.97	-5.06	-4.02	-2.00	-1.51
Manufacturing	0.35	15.41	17.12	12.30	9.05	10.08
Electricity, gas, steam and air conditioning supply	0.02	0.14	0.14	0.14	0.14	0.14
Water supply; sewerage, waste management and remediation activities	4.07	0.00	0.00	0.00	0.00	0.00
Transport and Storage	0.00	-7.83	-7.03	-6.46	-5.64	-4.86
Information and communication	0.00	-0.20	-0.20	-0.20	-0.20	-0.20
All Industry	**6.10**	**6.35**	**7.08**	**5.06**	**3.78**	**4.33**

Source: PPI 2nd Qtr 2019, National Accounts Division, NSB, Thimphu.

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

Description	Share (%)	Jan	Feb	Mar	Apr	May
Agriculture, Forestry and Fishery Products	0.72	134.79	134.79	134.79	134.79	134.79
Ores and Minereals; Electricity, gas and water	5.81	122.77	122.68	122.70	124.86	125.56
Food products, beverages and tobacco; textiles, apparel and leather products	3.56	113.56	113.55	113.59	113.46	113.39
Other transportable goods, except metal products, machinery and equipment	15.36	117.75	118.08	118.48	118.92	120.27
Metal products, machinery and equipment	28.75	141.12	145.04	141.55	141.61	142.22
Distributive trade services; accommodation, food and beverage serving services; transport services; and electricity, gas and water distribution services	41.34	123.24	123.29	123.34	123.39	123.53
Business and production services	4.47	89.57	89.57	89.57	89.57	89.57
All Product	**100.00**	**125.13**	**126.19**	**125.39**	**125.62**	**126.09**

Source: PPI 2nd Qtr 2019, National Accounts Division, NSB, Thimphu.

2018								2019					
	Jun	Jul	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	0.00	0.00
	-0.54	-1.95	-1.43	-0.95	-2.33	-2.29	-2.21	2.62	2.48	2.23	0.82	0.26	0.57
	10.09	11.41	13.25	8.74	8.47	7.55	6.69	-3.99	-6.75	-5.80	-6.54	-7.22	-8.64
	0.14	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
	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
	-4.77	-4.42	-3.91	-3.07	1.02	0.42	0.70	7.06	6.92	5.90	5.59	4.92	4.67
	-0.20	-0.20	-0.20	-0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4.40	**4.93**	**5.81**	**3.87**	**3.93**	**3.47**	**3.10**	**-1.33**	**-2.71**	**-2.30**	**-2.77**	**-3.17**	**-3.88**

2018								2019					
	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
	134.79	134.79	134.79	134.79	134.79	134.79	134.79	134.79	134.79	134.79	134.79	134.79	134.79
	125.17	124.98	126.01	125.19	125.17	125.46	125.38	125.99	125.72	125.43	125.89	125.89	125.89
	113.39	113.58	113.57	113.54	113.53	113.53	113.51	113.72	113.73	113.73	114.01	114.02	114.00
	117.39	116.03	115.99	116.41	116.81	117.15	117.42	117.40	116.76	117.06	119.05	119.16	119.87
	143.95	144.68	143.28	138.31	140.08	140.49	139.04	132.10	129.92	129.01	126.43	126.15	122.46
	123.55	123.92	123.97	124.17	124.95	124.83	124.76	124.75	124.78	124.66	124.66	124.69	124.66
	89.57	89.57	89.57	89.57	89.57	89.57	89.57	89.57	89.57	89.57	89.57	89.57	89.57
	126.05	**126.16**	**125.88**	**124.71**	**125.56**	**125.68**	**125.32**	**123.53**	**122.83**	**122.57**	**122.21**	**122.16**	**121.22**

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

Description	Share (%)	Jan	Feb	Mar	Apr	May
Agriculture, Forestry and Fishery Products	0.72	0.00	0.00	0.00	0.00	0.00
Ores and Minereals; Electricity, gas and water	5.81	-4.24	-0.07	0.01	1.76	0.56
Food products, beverages and tobacco; textiles, apparel and leather products	3.56	0.45	-0.01	0.04	-0.12	-0.06
Other transportable goods, except metal products, machinery and equipment	15.36	-0.78	0.28	0.34	0.37	1.14
Metal products, machinery and equipment	28.75	13.59	2.78	-2.41	0.04	0.43
Distributive trade services; accommodation, food and beverage serving services; transport services; and electricity, gas and water distribution services	41.34	-0.88	0.04	0.04	0.04	0.11
Business and production services	4.47	0.00	0.00	0.00	0.00	0.00
All Product	**100.00**	**2.99**	**0.85**	**-0.63**	**0.18**	**0.37**

Source: PPI 2nd Qtr 2019, National Accounts Division, NSB, Thimphu.

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

Description	Share (%)	Jan	Feb	Mar	Apr	May
Agriculture, Forestry and Fishery Products	0.72	0.00	0.00	0.00	0.00	0.00
Ores and Minereals; Electricity, gas and water	5.81	-3.97	-5.06	-4.02	-2.00	-1.51
Food products, beverages and tobacco; textiles, apparel and leather products	3.56	1.09	1.08	1.16	0.74	0.90
Other transportable goods, except metal products, machinery and equipment	15.36	-1.63	-2.12	-2.85	-5.67	-5.55
Metal products, machinery and equipment	28.75	27.77	31.27	22.92	18.99	20.76
Distributive trade services; accommodation, food and beverage serving services; transport services; and electricity, gas and water distribution services	41.34	-1.16	-1.04	-0.95	-0.83	-0.71
Business and production services	4.47	-0.20	-0.20	-0.20	-0.20	-0.20
All Product	**100.00**	**6.29**	**7.03**	**5.01**	**3.73**	**4.27**

Source: PPI 2nd Qtr 2019, National Accounts Division, NSB, Thimphu.

2018								2019					
	Jun	Jul	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	0.00	0.00
	-0.31	-0.15	0.82	-0.65	-0.02	0.23	-0.06	0.48	-0.21	-0.23	0.37	0.00	0.00
	0.00	0.17	-0.01	-0.03	-0.01	-0.00	-0.02	0.19	0.00	-0.00	0.25	0.00	-0.02
	-2.39	-1.16	-0.04	0.37	0.34	0.30	0.23	-0.01	-0.54	0.25	1.70	0.09	0.60
	1.22	0.51	-0.97	-3.47	1.29	0.29	-1.03	-4.99	-1.65	-0.70	-2.00	-0.22	-2.93
	0.01	0.18	0.05	0.15	0.63	-0.10	-0.05	-0.00	0.03	-0.10	-0.00	0.02	-0.02
	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
	-0.04	**0.04**	**-0.22**	**-0.93**	**0.68**	**0.10**	**-0.29**	**-1.43**	**-0.56**	**-0.22**	**-0.29**	**-0.04**	**-0.77**

2018								2019					
	Jun	Jul	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	0.00	0.00
	-0.54	-1.95	-1.43	-0.95	-2.33	-2.29	-2.21	2.62	2.48	2.23	0.82	0.26	0.57
	0.85	0.59	0.59	0.56	0.62	0.61	0.40	0.14	0.16	0.12	0.49	0.55	0.53
	-7.88	-5.93	-2.44	-3.04	-1.58	-1.28	-1.06	-0.30	-1.12	-1.20	0.11	-0.93	2.11
	22.41	23.49	24.45	16.73	15.32	13.52	11.91	-6.39	-10.43	-8.86	-10.72	-11.30	-14.93
	-0.70	-0.52	-0.44	-0.32	0.27	0.19	0.23	1.11	1.09	0.95	0.91	0.81	0.78
	-0.20	-0.20	-0.20	-0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4.35	**4.93**	**5.81**	**3.87**	**3.93**	**3.47**	**3.10**	**-1.33**	**-2.71**	**-2.30**	**-2.77**	**-3.17**	**-3.88**

This section presents the details of crime statistics by various categories and nature of crimes reported and registered by Royal Bhutan Police (RBP). The Crime and Criminal Information System (CCIS) is the main source for crime statistics for RBP. The police personnel working in various Divisions and Police Stations enter the data in this system as an when the crime is registered in their jurisdiction. The data covers: (a) Type of crime, age and gender of offender; (b) Place of occurrence and time of occurrence; (c) Person killed and injured; (d) Case charge-sheeted; and (e) Conviction report and daily crime report. Not all crimes that occur are reported to the police or other government agencies. Therefore, there is a gap between the official level of crime and the amount of crime in the community known as dark figure of crime.

The development and preparation are under way to upgrade the existing Crime and Criminal Information System (CCIS) and to conduct victimization survey to estimate the amount of crime not reported to police.

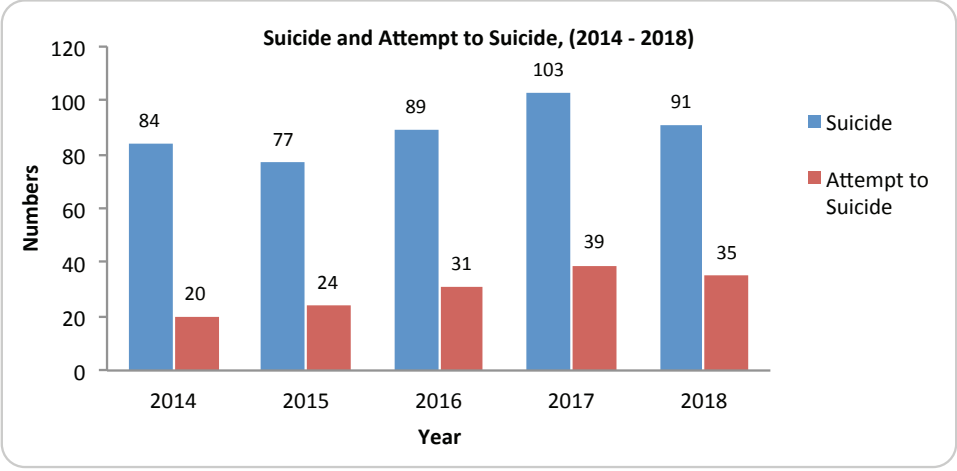

Table 17.1: Types of Offence Recorded, (2014 - 2018).

OFFENCE	2014	2015	2016	2017	2018
Aidding & abetting, solicitation & criminal conspiracy	1	1	1	3	0
Aiding & abetting, solicitation & criminal conspiracy	1	1	1	3	0
Offence against the person	644	548	521	1,143	1,270
Homicide	21	19	21	20	23
Assault, battery & related offences	532	456	417	1,032	1,141
Kidnapping & related offences	6	3	4	2	4
Sexual offences	81	68	77	77	94
Offence against infant, child, mentally disabled & incompetent person	4	2	2	12	8
Offence against the property	837	845	888	1,863	1,938
Arson and related offences	12	3	6	6	8
Burglary, trespass & related offences	311	362	342	478	398
Larceny, robbery, armed robbery & related offences	514	480	540	1,379	1,532
Commercial crime, fruad, corruption and related offences	66	52	60	69	89
Money laundering & smuggling	24	7	8	6	10
Embezzlement & bribery	6	2	6	4	5
Forgery & related offences	30	35	42	46	64
Defamation & related offences	6	8	4	13	10
Offence against state and public order	404	256	197	343	303
Treason, terrorism & related offences	4	2	2	1	6
Offences against cultural & national heritage	246	143	104	148	101
Offences against judicial authority	0	0	0	0	0
Prostitution & related offences	5	1	0	2	2
Offences against the public welfare	107	66	62	113	96
Offences related to public & civic duties	8	11	6	16	18

cont...

Table 17.1 cont...

OFFENCE	2014	2015	2016	2017	2018
Offences related to public order & tranquility	34	33	23	63	80
Miscellaneous offences	389	319	63	68	45
Computer offences	2	0	3	6	3
Offences related to firearms & weapons	17	17	17	30	38
Offences related to protected species & other harmful substances	370	302	43	32	4
Narcotic drugs, psychotropic substances and substance abuse	0	0	316	555	620
Illegal possession of cannabis and its derivatives	0	0	43	58	41
Illegal trafficking of cannabis and its derivatives	0	0	46	41	3
Offences of substance abuse	0	0	22	245	419
Illegal possession of narcotic drug and psychotropic substance	0	0	14	11	3
Illicit trafficking of narcotic drugs and psychotropic substances	0	0	190	200	151
Illegal sale of inhalants or solvents	0	0	0	0	2
Illehal cultivation, domestication or harvest of cannabis and its derivatives	0	0	1	0	1
Non-penal offences	26	34	47	37	45
Smuggling of Tobacco and Tobacco product	25	33	47	37	12
Tobacco related offences	0	0	0	0	26
Copy right infringement	1	0	0	0	0
Conveyances of unauthorized articles	0	1	0	0	0
Child Battery	0	0	0	0	7
All Offences	**2,367**	**2,055**	**2,093**	**4,081**	**4,310**

Source: Crime and Operations Branch, Royal Bhutan Police, Thimphu.

Table 17.2: Types of Other Non-Penal Incidents Recorded, (2014 - 2018)

Other Non-Penal Incidents	2014	2015	2016	2017	2018
Accidental Death	41	39	44	58	56
Accidental Injury	0	1	0	0	0
Drowning	27	17	20	20	21
Fire accident	0	45	51	88	100
Missing of Person	140	78	60	178	162
Un-Natural Death	47	33	57	32	49
Suicide	84	77	89	103	91
Attempt to Suicide	20	24	31	39	35
Grand Total	**359**	**314**	**352**	**518**	**514**

Table 17.3: Motor Vehicle Accident by Dzongkhag, (2014 - 2018)

(Incidents)

Dzongkhag	2014	2015	2016	2017	2018
Bumthang	2	2	1	4	21
Chhukha	84	61	36	44	296
Dagana	6	2	1	2	10
Gasa	0	0	0	2	2
Haa	0	2	1	0	21
Lhuentse	0	2	2	3	2
Monggar	6	10	10	10	47
Paro	41	16	61	174	172
Pema Gatshel	0	7	3	0	12
Punakha	4	2	4	5	9
Samdrup Jongkhar	11	18	8	12	46
Samtse	3	3	9	21	37
Sarpang	10	9	12	27	27
Thimphu	602	539	528	506	460
Trashigang	2	9	16	21	46
Trashi Yangtse	0	1	3	4	6
Trongsa	4	7	6	4	13
Tsirang	0	1	3	7	59
Wangdue Phodrang	14	16	14	13	55
Zhemgang	2	8	8	3	19
Bhutan	**791**	**715**	**726**	**862**	**1360**

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

Table 17.4: Monthly Motor Vehicle Accident by Dzongkhag, 2018

(Incidents)

Dzongkhag	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Bumthang	4	4	3	3	1	0	1	4	0	0	0	1	21
Chukha	14	18	33	24	26	26	27	18	25	29	19	37	296
Dagana	0	0	0	0	3	0	2	1	0	0	1	3	10
Gasa	0	0	1	0	1	0	0	0	0	0	0	0	2
Haa	0	6	0	3	2	4	0	2	1	0	3	0	21
Lhuentse	0	0	0	0	0	0	0	0	0	2	0	0	2
Mongar	1	6	1	0	4	6	2	9	10	2	3	3	47
Paro	15	9	21	13	12	9	9	29	7	14	15	19	172
Pemagatshel	3	0	0	0	0	0	1	1	0	2	3	2	12
Punakha	1	0	0	0	0	3	0	2	0	2	1	0	9
Samdrup Jongkhar	5	4	5	6	5	4	5	2	3	2	2	3	46
Samtse	6	5	2	2	2	4	3	3	2	1	4	3	37
Sarpang	6	4	0	2	1	2	1	2	1	2	4	2	27
Thimphu	52	38	32	30	29	29	38	58	38	43	51	22	460
Trashigang	1	1	6	2	2	1	6	4	4	6	5	8	46
Trashi Yangtse	0	0	2	0	0	0	1	2	0	1	0	0	6
Trongsa	0	2	2	2	0	3	2	0	0	0	1	1	13
Tsirang	3	3	4	4	7	3	6	8	5	10	3	3	59
Wangdue Phodrang	4	8	12	5	5	0	4	5	5	2	3	2	55
Zhemgang	0	2	1	4	3	0	3	0	2	2	2	0	19
Bhutan	**115**	**110**	**125**	**100**	**103**	**94**	**111**	**150**	**103**	**120**	**120**	**109**	**1360**

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

Table 17.5: Motor Vehicle Accidents by Causes by Dzongkhag, (2014 - 2018)

(Incidents)

Dzongkhag	Causes	2014	2015	2016	2017	2018
Bumthang	Mechanical fault	0	0	0	0	2
	Drunk driving	0	0	1	0	4
	Bad weather	0	0	0	1	0
	Without licence	0	1	0	0	0
	Unknown causes	0	0	0	0	0
	Other causes	2	1	0	3	15
Chukha	Mechanical fault	5	4	3	1	11
	Drunk driving	5	10	8	4	17
	Bad weather	11	13	2	0	17
	Without licence	3	3	2	2	4
	Unknown causes	0	0	7	13	0
	Other causes	60	31	14	28	272
Dagana	Mechanical fault	2	0	0	0	1
	Drunk driving	1	1	0	1	0
	Bad weather	0	0	0	0	1
	Without licence	2	0	0	0	0
	Unknown causes	0	0	0	0	0
	Other causes	1	1	1	2	7
Gasa	Mechanical fault	0	0	0	0	0
	Drunk driving	0	0	0	0	0
	Bad weather	0	0	0	0	0
	Without licence	0	0	0	0	0
	Unknown causes	0	0	0	0	0
	Other causes	0	0	0	2	2
Haa	Mechanical fault	0	1	0	0	0
	Drunk driving	0	0	0	0	1
	Bad weather	0	0	0	0	2
	Without licence	0	0	0	0	1
	Unknown causes	0	0	0	0	0
	Other causes	0	1	1	0	17
Lhuentse	Mechanical fault	0	0	0	0	1
	Drunk driving	0	0	1	1	0
	Bad weather	0	0	0	0	1
	Without licence	0	1	1	2	0

cont...

Table 17.5 cont...

Dzongkhag	Causes	2014	2015	2016	2017	2018
Lhuentse	Unknown causes	0	0	0	0	0
	Other causes	0	1	0	2	2
Monggar	Mechanical fault	0	1	0	0	5
	Drunk driving	0	5	0	1	7
	Bad weather	0	1	0	0	5
	Without licence	0	1	3	0	1
	Unknown causes	0	0	1	1	0
	Other causes	6	2	6	10	33
Paro	Mechanical fault	2	0	2	1	9
	Drunk driving	8	5	8	20	30
	Bad weather	5	0	1	1	1
	Without licence	4	2	3	10	15
	Unknown causes	0	0	10	47	0
	Other causes	22	9	37	121	129
Pemagatshel	Mechanical fault	0	0	0	0	2
	Drunk driving	0	3	0	0	1
	Bad weather	0	0	0	0	0
	Without licence	0	0	0	0	1
	Unknown causes	0	0	1	0	0
	Other causes	0	4	2	0	10
Punakha	Mechanical fault	0	0	0	1	0
	Drunk driving	1	1	0	0	2
	Bad weather	0	0	0	0	0
	Without licence	0	1	0	0	0
	Unknown causes	0	0	1	0	0
	Other causes	3	0	3	4	7
Samdrup Jongkhar	Mechanical fault	2	3	0	0	9
	Drunk driving	0	7	0	0	7
	Bad weather	2	0	1	4	3
	Without licence	1	3	1	0	3
	Unknown causes	0	0	2	8	0
	Other causes	6	5	4	3	35
Samtse	Mechanical fault	0	0	1	3	6
	Drunk driving	0	1	1	1	6
	Bad weather	1	0	0	2	2
	Without licence	1	1	1	2	0

cont...

Table 17.5 cont...

Dzongkhag	Causes	2014	2015	2016	2017	2018
Samtse	Unknown causes	0	0	0	3	0
	Other causes	1	1	6	16	32
Sarpang	Mechanical fault	2	0	0	2	0
	Drunk driving	1	4	0	12	4
	Bad weather	0	0	0	0	1
	Without licence	0	1	0	3	1
	Unknown causes	0	0	6	6	0
	Other causes	7	4	6	13	27
Thimphu	Mechanical fault	2	7	1	1	2
	Drunk driving	142	138	136	165	130
	Bad weather	14	3	0	0	0
	Without licence	48	60	59	51	47
	Unknown causes	0	0	157	232	0
	Other causes	396	331	175	240	462
Trashigang	Mechanical fault	0	1	0	0	7
	Drunk driving	0	6	2	1	3
	Bad weather	0	0	1	0	0
	Without licence	1	1	1	2	1
	Unknown causes	0	0	2	1	1
	Other causes	1	1	10	18	33
Trashi Yangtse	Mechanical fault	0	1	0	0	5
	Drunk driving	0	0	0	0	0
	Bad weather	0	0	0	0	0
	Without licence	0	0	1	0	1
	Unknown causes	0	0	0	1	0
	Other causes	0	0	2	3	3
Trongsa	Mechanical fault	0	2	2	0	4
	Drunk driving	0	2	0	0	1
	Bad weather	1	1	1	1	2
	Without licence	0	0	1	1	3
	Unknown causes	0	0	0	1	0
	Other causes	3	2	2	1	2
Tsirang	Mechanical fault	0	0	2	1	7
	Drunk driving	0	1	0	1	5
	Bad weather	0		0	0	13
	Without licence	0	0	0	0	3

cont...

Table 17.5 cont...

Dzongkhag	Causes	2014	2015	2016	2017	2018
Tsirang	Unknown causes	0	0	1	3	0
	Other causes	0		0	4	45
Wangdue Phodrang	Mechanical fault	3	4	0	2	5
	Drunk driving	2	8	2	2	5
	Bad weather	1	1	0	0	3
	Without licence	1	0	1	4	7
	Unknown causes	0	0	1	0	0
	Other causes	7	3	10	7	46
Zhemgang	Mechanical fault	0	2	2	0	5
	Drunk driving	0	3	1	2	3
	Bad weather	0	2	0	0	0
	Without licence	1	1	0	1	4
	Unknown causes	0	0	1	0	0
	Other causes	1	0	4	2	11

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

Table 17.6: Number of Houses Destroyed by Fire by Dzongkhag, (2014 - 2018)

Dzongkhag	2014	2015	2016	2017	2018
Bumthang	2	2	1	3	1
Chhukha	1	1	2	6	3
Dagana	0	0	0	1	2
Gasa	0	0	0	0	0
Haa	2	1	2	1	1
Lhuentse	2	0	1	0	1
Monggar	0	0	2	3	0
Paro	4	3	13	6	2
Pema Gatshel	0	2	0	2	2
Punakha	1	0	0	2	1
Samdrup Jongkhar	0	0	0	4	1
Samtse	1	0	1	2	3
Sarpang	1	0	1	1	1
Thimphu	15	3	18	30	10
Trashigang	1	1	1	2	2
Trashi Yangtse	1	0	4	0	4
Trongsa	1	1	1	3	0
Tsirang	0	0	0	0	0
Wangdue Phodrang	0	1	1	4	0
Zhemgang	0	0	2	5	2
Bhutan	**32**	**16**	**50**	**75**	**36**

Source: Fire Division, Royal Bhutan Police, Thimphu.

Table 17.7: Fines Imposed for Violation of Traffic Rules by Division, (2014 - 2018)

(Nu. in million)

Division/Dzongkhag	2014	2015	2016	2017	2018
Division I (Paro & Haa)	1.022	2.359	2.209	2.046	2.573
Division II (Punakha & Gasa)	0.246	0.504	1.798	1.515	1.421
Division III (Chhukha)	2.697	4.237	4.296	4.369	5.003
Division IV (Samtse)	0.817	1.935	1.868	1.643	1.613
Division V (Sarpang & Zhemgang)	0.693	1.737	2.163	2.812	3.793
Division VI (Tsirang & Dagana)	0.562	0.891	1.161	1.205	1.469
Division VII (Trongsa)	0.428	0.453	0.503	0.653	0.592
Division VIII (Samdrupjongkhar & Pemagatshel)	0.608	1.700	2.056	1.870	2.602
Division IX (Trashigang & Trashiyangtse)	0.500	0.971	0.707	1.293	0.747
Division X (Mongar & Lhuentse)	0.428	0.754	0.726	0.943	0.85
Division XI (Thimphu)	7.419	18.181	14.605	17.970	11.823
Division XII (Wangduephodrang)	1.291	8.469	3.616	2.971	2.577
Division XIII (Bumthang)	0.288	0.619	0.614	0.437	0.438
Division XIV (Tashi Yangtse)	...	...	0.336	0.154	0.357
Total	**17.001**	**42.809**	**36.657**	**39.881**	**35.858**

Source: Traffic Division, Royal Bhutan Police, Thimphu.

List of Dzongkhags, Gewogs and Chiwogs, Bhutan 2016.

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
	3. Chapchha	1. Bunakha
		2. Dokharchhu Rimtekha
		3. Gangkha Shelyuel
		4. Lang Nyelsa

cont...

Table cont...

Dzongkhag	Gewog	Chiwog
2. Chhukha	3. Chapchha	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
	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

cont...

Table cont...

Dzongkhag	Gewog	Chiwog
2. Chhukha	11. Samphelling (Bhalujora)	4. Lingdaen
		5. Pachhu
		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
	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

cont...

Table cont...

Dzongkhag	Gewog	Chiwog
3. Dagana	6. Karna	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
	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

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Table cont...

Dzongkhag	Gewog	Chiwog
3. Dagana	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
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. Phentena_Serktena
		3. Phootsena_Ngatse
		4. Rangtse_Tanga_Yowkha
		5. Sai-dzong_Thangdokha

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Table cont...

Dzongkhag	Gewog	Chiwog
5. Haa	3. Kar-tshog	1. Bali_Mombitshogkha
		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. Shar-ri
	5. Sangbay	1. Anakha_Shepji
		2. Mochhu_Bebji
		3. Nakha_Tashigang
		4. Sangbay Ama
		5. Shema_Yaba
	6. Euesu	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
	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

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Table cont...

Dzongkhag	Gewog	Chiwog
6. Lhuentse	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
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

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Table cont...

Dzongkhag	Gewog	Chiwog
7. Monggar	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
	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

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Table cont...

Dzongkhag	Gewog	Chiwog
7. Monggar	9. Monggar	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
	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

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Table cont...

Dzongkhag	Gewog	Chiwog
7. Monggar	16. Tsakaling	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
	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

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Table cont...

Dzongkhag	Gewog	Chiwog
8. Paro	6. Loong-nyi	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
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

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Table cont...

Dzongkhag	Gewog	Chiwog
9. Pemagatshel	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
	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

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Table cont...

Dzongkhag	Gewog	Chiwog
9. Pemagatshel	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
	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

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Table cont...

Dzongkhag	Gewog	Chiwog
10. Punakha	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
	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

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Table cont...

Dzongkhag	Gewog	Chiwog
11. Samdrup Jongkhar	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
	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

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Table cont...

Dzongkhag	Gewog	Chiwog
11. Samdrup Jongkhar	9. Samrang	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
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 (La-hireni)	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

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Table cont...

Dzongkhag	Gewog	Chiwog
12. Samtse	5. Norboogang (Chengmari)	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
	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

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Table cont...

Dzongkhag	Gewog	Chiwog
12. Samtse		4. Norjangsa Peljorling
		5. Tashichhoeling
	13. Tendruk	1. Dawathang Kuengaling
		2. Kachhen Kuchhen
		3. Khengtong Targothang
		4. Miglamthang Thagpzosa
		5. Nyizergang Tendruk
	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

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Table cont...

Dzongkhag	Gewog	Chiwog
13. Sarpang	4. Gakiling	4. Rilangthang
		5. Sangkha
	5. Gelegphu	1. Dzomlingthang
		2. Lekidthang
		3. Pelrithang khamaed
		4. Pelrithang khatoed
		5. Pemathang
	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

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Table cont...

Dzongkhag	Gewog	Chiwog
13. Sarpang		4. Woongchhiloo
		5. Yoezergang
	12. Umling	1. Daangling
		2. Doongmin
		3. Gaden
		4. Rijoog
		5. Tashithang
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. Genekha	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

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Table cont...

Dzongkhag	Gewog	Chiwog
14. Thimphu	6. Mewang	4. Sisinang
		5. Tshaluna
	7. Naro	1. Barshong
		2. Mentsephu
		3. Phagay
		4. Thaksethang
		5. Zhomthang
	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

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Table cont...

Dzongkhag	Gewog	Chiwog
15. Trashigang	5. Khaling	5. Jiri Lemi
		6. Khaling
	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

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Table 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 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

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Table cont...

Dzongkhag	Gewog	Chiwog
17. Trongsa	2. Korphoog	4. Nyimzhong Maed
		5. Nyimzhong Toed
	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

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Table cont...

Dzongkhag	Gewog	Chiwog
18. Tsirang	4. Kilkhorthang	3. Nyizergang
		4. Satsangma
		5. Tashiyangjong
	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

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Table cont...

Dzongkhag	Gewog	Chiwog
18. Tsirang	11. Tsholingkhar	3. Kapazhing
		4. Tsholingkhar Maed
		5. Tsholingkhar Toed
	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

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Table cont...

Dzongkhag	Gewog	Chiwog
19. Wangdue Phodrang	6. Gase Tsho-Gongm	1. Changche Matshigpogto
		2. Changkha
		3. Dabchhaykha Matshigkha
		4. Khamaedna
		5. Khatoedkha
	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

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Table cont...

Dzongkhag	Gewog	Chiwog
19. Wangdue Phodrang	12. Phobji	4. Khemdro Nemphel
		5. Talachen Tawa Taphoog
	13. Ruebisa	1. Bangtoedkha
		2. Bjagphug
		3. Gyala
		4. Oola
		5. Zamding
	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

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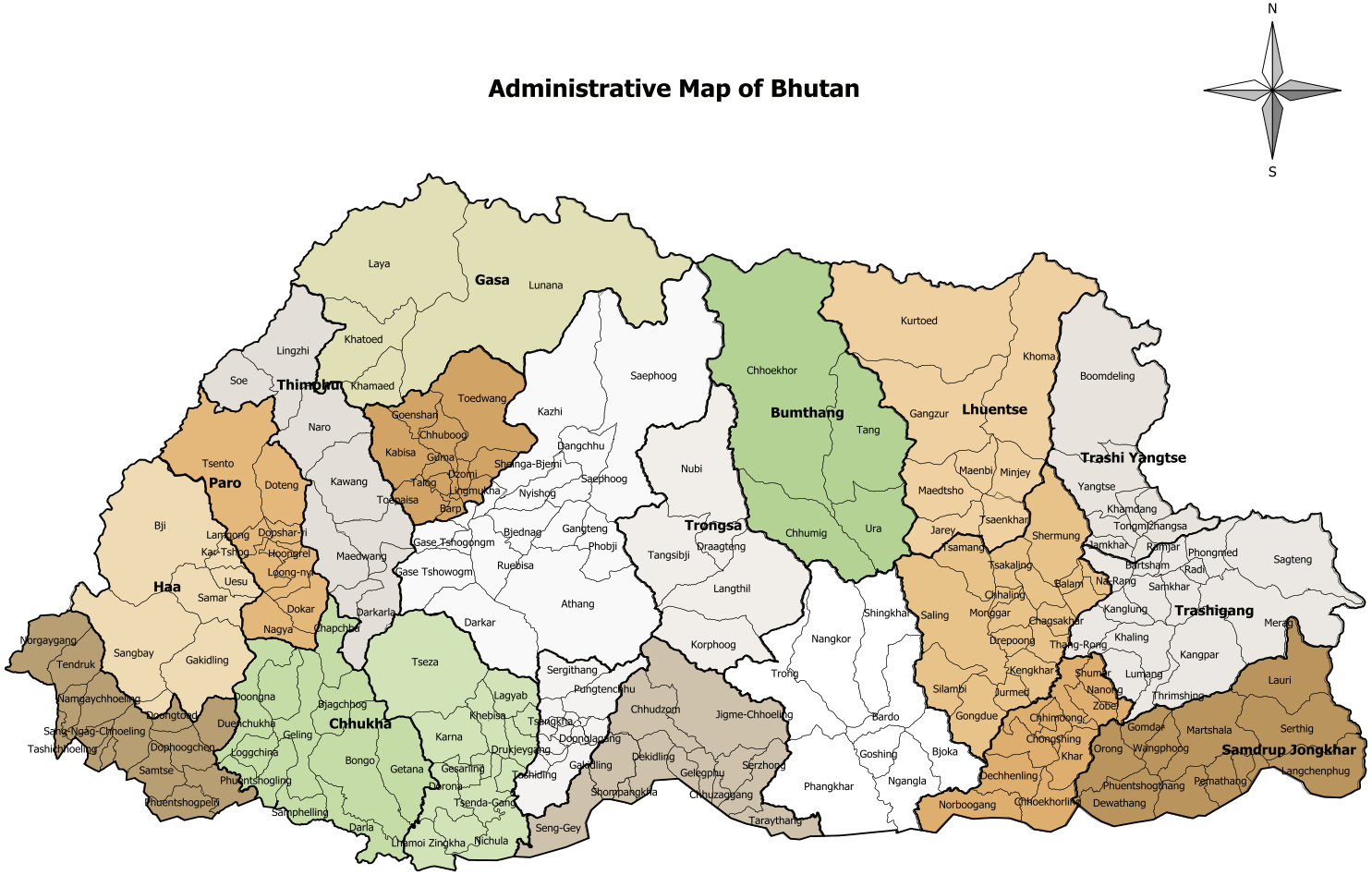
Table cont...

Dzongkhag	Gewog	Chiwog
20. Zhemgang	4. Nangkor	3. Duenmang
		4. Goleng
		5. Nyakha
	5. Ngangla	1. Kagtong
		2. Marangduet
		3. Ngangla Trong
		4. Panbang Sonamthang
		5. Ribati
	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.

Administrative Map of Bhutan