



རྒྱལ་ཡོངས་ཚུལ་དཔྱད་བཞུགས་འཛིན།

National Statistics Bureau



འབྲུག་གི་ཚུལ་དཔྱད་ལོ་དེབ་ ༢༠༢༡།

Statistical Yearbook of Bhutan 2021

October 2021

STRUCTURE OF THE ROYAL GOVERNMENT OF BHUTAN

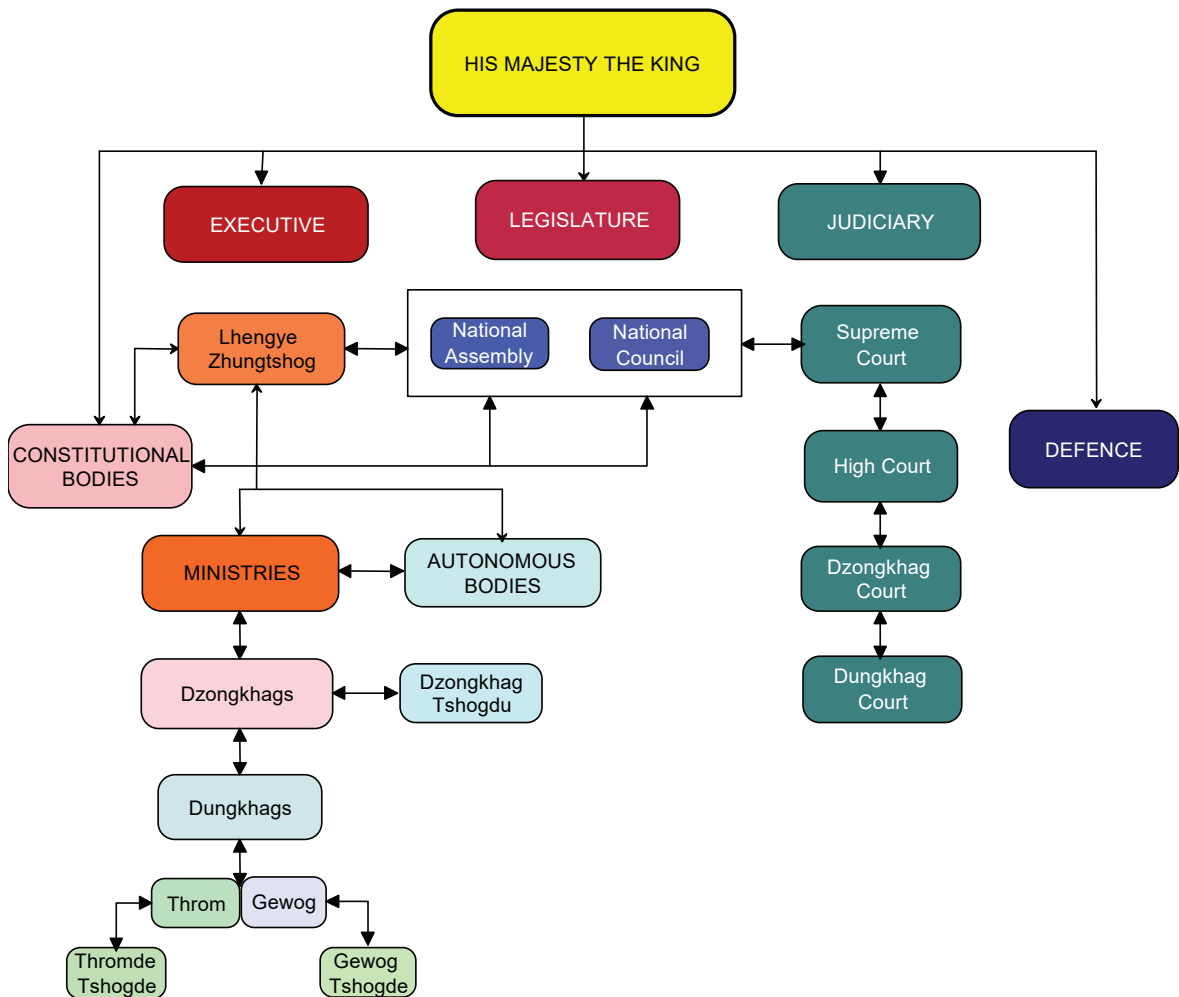


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PREFACE

This Statistical Yearbook of Bhutan (SYB) 2021 publication is the 39th edition. It is a comprehensive and systematic compendium of basic statistical information of 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. The compilation is based on information gathered from administrative data maintained by various ministries, agencies, corporations and private organizations as well as through periodic statistical censuses and surveys.

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 producing and disseminating agencies. New data series on topics of interest are included as and when available. Brief explanatory notes on coverage and data sources, wherever required, 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 for providing data and information for SYB 2021. In order to improve the quality of the forthcoming issues, we solicit comments and suggestions from the users. This publication can also be accessed through NSB website (www.nsb.gov.bt)

Director
National Statistics Bureau

NOTES FOR USERS

1. Unless otherwise indicated, the present issue of the Yearbook contains statistics available as of December 2020.
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:
 - 0 If not at all happened/no count
 - ... Data not available
 - . A point is used to indicate decimal
 - NA Data not applicable
 - () Negative figures
 - / If there is a back slash between two years, it indicates financial year (from July to June, example: 2018/19)
 - A hyphen between years indicates the full period involved including beginning and end (for years 2018 , 2019 & 2020; 2018-2020)
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 2021, National Statistics Bureau.**
6. For additional information on data or for any other queries, please refer to the original source or National Statistics Bureau.

UNITS OF MEASUREMENT

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

Abbreviations

mm	=	millimeter
cm	=	centimeter
m	=	meter
dm	=	decimeter
dkm	=	dekameter
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	=	39.370113 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
1 acres	=	0.405 hectares
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.

$(9 \times T)/5 + 32$, where "T" is temperature in degree Celsius.

II. Fahrenheit to degree Celsius.

$5 \times (T - 32)/9$, where "T" is temperature in Fahrenheit.

KEY FACTS ABOUT BHUTAN

Land Area (Sq. km)	38,394
Forest Cover (percent)	71 %
Projected Population, 2021	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, 2020	55
Number of Doctors, 2020	336
Number of Schools, Institutes and Centers, 2021	1,928
Number of Teachers, Lecturers, Instructors, Trainers & Facilitators, 2021	12,487
Number of Students (Including Institutes & NFE), 2021	247,572
Number of Civil Servants, (as of 31 st December 2020)	31,219
Labour Force Participation Rate, (LFS 2020)	67.8
Unemployment Rate, (LFS 2020)	5.0
Number of Active Fixed Line Connection, 2020	22,987
Number of B-Mobile Subscribers, 2020	466,796
Number of Tashicell Subscribers, 2020	278,341
Number of Postal Infrastructures, 2020	91
Total Road Length (Km.), 2020	18,264.61
Number of Registered Vehicles as of June 2021	114,646
Electricity Generation (MU), 2020	11,370.84
Electricity Exports (MU), 2020	9,259.65
Number of Tourist Arrivals (MDPR), 2020	29,812
Revenue from Tourism (US \$ in Million), 2020	9.490
Number of Total Industrial Establishments as of June 2020 (Active)	48,898
Balance of Trade (Nu.in Million), 2020	(45,723.879)
Exchange Rate (Calendar Year), Nu. Per US \$, 2020	74.150
Gross International Money Reserves (US \$ in Million), 2019/20	1,343.500
Total Twelfth Plan Budgetary Outlay (Nu.in Million) 2018-2023	197,941.660
GDP at Current Market Price (Nu.in Million), 2020	17,157,290
Annual Average Inflation Rate (Percent), 2020	5.63
Purchasing Power of Nu. 2020 (Dec 2012 = 100)	68.38

BHUTAN

Location and Extent

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

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

Relief and Surface Features

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

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

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

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

Climate and Vegetation

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

Temperatures vary according to elevation. Most of the central portion of the country experiences a cool, temperate climate year round. In the south, a hot, humid climate helps maintain a fairly even temperature

range of between 15° C and 30° C year-round, although temperatures sometimes reach beyond 35° C in the valleys during the summer.

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

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

There is a pronounced difference in the vegetation cover in three different zones of the country and it is mostly due to the prevalence of varied climatic conditions across the kingdom. The southern foothills are mostly covered by the dense and thick deciduous trees while the inner regions are dotted by an infinite variety of plants, flowers and trees including birch, pine, chestnut, oak, apples, peaches and plums are also grown in the fertile valleys. The northern part with the tundra type of climate allows the growth of coniferous trees and other alpine 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 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 comprises 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 policies 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 Rhythms, 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.

This chapter presents statistics on the basic attributes of population, such as the size and the growth of population, geographical distribution, sex and age composition and other related indicators. It also presents the population projection for the country by dzongkhag, sex, age group and area using 2017 population and housing census as the base population. The data on population is essential for formulation of plans and programs and resource allocation of the government.

The primary source of data on population is the population and housing census, which is conducted periodically. The Population and Housing Census in Bhutan was first conducted in May 2005 and the second round was conducted in May 2017 as per the UN standards. The Population and Housing Census provides a complete count of the population according to a range of characteristics such as demography, health, education and other social aspects.

CONCEPTS AND DEFINITIONS

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: Key Demographic Indicators, 2017

Indicators	Area		Sex		Both Sex
	Urban	Rural	Female	Male	
Total Population (numbers)	274,967	452,178	346,692	380,453	727,145
Population Density (per km2)	...	...	...	...	19.0
Number of household	60,394	102,607	NA	NA	163,001
Mean Household Size	4.0	3.8	NA	NA	3.9
Sex Ratio	...	...	...	...	110.0
Total Dependency Ratio	...	...	...	...	47.0
Child Dependency Ratio	...	...	...	...	38.3
Old Age dependency Ratio	...	...	...	...	8.7
Median Age	...	...	26.6	27.2	26.9
Aging Index	...	...	22.7	22.8	22.7
Life Expectancy (years)	...	...	71.7	68.8	70.2
Mean age at first birth (years)	22.0	21.0	...	...	21.0
Crude Birth Rate(per 1000)	17.8	14.0	...	...	15.5
Crude Death Rate(per 1000)	5.5	7.5	6.3	7.1	6.7
Child Survival Rate	96.2	93.0	...	...	94.1
Total Fertility Rate	1.7	1.8	...	...	1.7
General Fertility Rate	58.0	57.0	...	...	57.3
Infant Mortality Rate	12.0	17.5	13.5	16.6	15.1
Child Mortality Rate	13.3	23.3	18.4	19.4	19.0
Under Five Mortality Rate	25.3	40.8	31.9	36.0	34.1
Disability Prevalance Rate	1.1	2.8	2.3	2.0	2.1

Source: *Population & Housing Census of Bhutan, NSB, 2017*

Table 1.2: Population by Sex and Dzongkhag/Thromde, 2017

Dzongkhag/Thromde	Number of Persons			Percent		
	Male	Female	Both Sex	Male	Female	Both Sex
Bumthang	9,396	8,424	17,820	52.73	47.27	100.0
Chhukha	36,041	32,925	68,966	52.26	47.74	100.0
Phuentsholing Thromde	15,052	12,606	27,658	54.40	45.57	100.0
Other than Phuentsholing Thromde	20,989	20,319	41,308	50.80	49.19	100.0
Dagana	12,956	12,009	24,965	51.90	48.10	100.0
Gasa	2,104	1,848	3,952	53.24	46.76	100.0
Haa	7,435	6,220	13,655	54.45	45.55	100.0
Lhuentse	7,407	7,030	14,437	51.31	48.69	100.0
Monggar	18,247	18,903	37,150	49.12	50.88	100.0
Paro	23,941	22,375	46,316	51.69	48.31	100.0
Pema Gatshel	11,922	11,710	23,632	50.45	49.55	100.0
Punakha	15,079	13,661	28,740	52.47	47.53	100.0
Samdrup Jongkhar	18,329	16,750	35,079	52.25	47.75	100.0
Samdrup Jongkhar Thromde	5,016	4,309	9,325	53.79	46.21	100.0
Other than Samdrup Jongkhar Thromde	13,313	12,441	25,754	51.69	48.31	100.0
Samtse	32,022	30,568	62,590	51.16	48.84	100.0
Sarpang	24,018	21,986	46,004	52.21	47.79	100.0
Gelephu Thromde	5,146	4,712	9,858	52.20	47.81	100.0
Other than Gelephu Thromde	18,872	17,274	36,146	52.20	47.81	100.0
Thimphu	72,522	66,214	138,736	52.27	47.73	100.0
Thimphu Thromde	58,996	55,555	114,551	51.50	48.50	100.0
Other than Thimphu Thromde	13,526	10,659	24,185	55.93	44.07	100.0
Trashigang	23,414	22,104	45,518	51.44	48.56	100.0
Trashie Yangtse	8,719	8,581	17,300	50.40	49.60	100.0
Trongsa	11,878	8,082	19,960	59.51	40.49	100.0
Tsirang	11,526	10,850	22,376	51.51	48.49	100.0
Wangdue Phodrang	24,302	17,884	42,186	57.61	42.39	100.0
Zhemgang	9,195	8,568	17,763	51.76	48.24	100.0
Total	380,453	346,692	727,145	52.32	47.68	100.0

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

Source: Population & Housing Census of Bhutan, NSB, 2017

Table 1.3: Population by Sex, Area and Dzongkhag, 2017

Dzongkhag	Urban			Rural			Both Areas		
	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
Trashit 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
Total	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, NSB, 2017

Table 1.4: Population by Age, Sex and Area, 2017

Age Group	Number of Persons									Sex Ratio		
	Urban			Rural			Both Areas			Urban	Rural	Both Areas
	Male	Female	Both Sex	Male	Female	Both Sex	Male	Female	Both Sex			
0-4	11,071	10,409	21,480	18,105	17,889	35,994	29,176	28,298	57,474	106.36	101.21	103.10
5-9	11,436	11,143	22,579	20,599	19,813	40,412	32,035	30,956	62,991	102.63	103.97	103.49
10-14	12,136	12,163	24,299	22,520	22,133	44,653	34,656	34,296	68,952	99.78	101.75	101.05
15-19	15,073	15,328	30,401	19,606	18,279	37,885	34,679	33,607	68,286	98.34	107.26	103.19
20-24	19,006	16,766	35,772	22,069	17,574	39,643	41,075	34,340	75,415	113.36	125.58	119.61
25-29	18,829	16,898	35,727	23,973	19,580	43,553	42,802	36,478	79,280	111.43	122.44	117.34
30-34	14,792	13,070	27,862	20,267	17,051	37,318	35,059	30,121	65,180	113.18	118.86	116.39
35-39	12,114	10,436	22,550	17,575	15,424	32,999	29,689	25,860	55,549	116.08	113.95	114.81
40-44	8,434	6,486	14,920	13,840	12,735	26,575	22,274	19,221	41,495	130.03	108.68	115.88
45-49	6,848	5,132	11,980	12,017	11,536	23,553	18,865	16,668	35,533	133.44	104.17	113.18
50-54	4,731	3,629	8,360	10,725	10,232	20,957	15,456	13,861	29,317	130.37	104.82	111.51
55-59	2,902	2,600	5,502	9,477	8,919	18,396	12,379	11,519	23,898	111.62	106.26	107.47
60-64	2,160	2,173	4,333	8,338	8,040	16,378	10,498	10,213	20,711	99.40	103.71	102.79
65-69	1,483	1,519	3,002	6,102	5,550	11,652	7,585	7,069	14,654	97.63	109.95	107.30
70-74	1,072	1,332	2,404	4,804	4,260	9,064	5,876	5,592	11,468	80.48	112.77	105.08
75-79	803	914	1,717	3,162	2,992	6,154	3,965	3,906	7,871	87.86	105.68	101.51
80-84	544	630	1,174	2,107	2,116	4,223	2,651	2,746	5,397	86.35	99.57	96.54
85+	421	484	905	1,312	1,457	2,769	1,733	1,941	3,674	86.98	90.05	89.28
All Ages	143,855	131,112	274,967	236,598	215,580	452,178	380,453	346,692	727,145	109.72	109.75	109.74

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

Source: Population & Housing Census of Bhutan, NSB, 2017

Table 1.5: Population by Age Groups, Dependency Ratio, Ageing Index and Dzongkhag/Thromde, 2017

Dzongkhag/Thromde	Population by Broad Age Groups				Dependency Ratio			Ageing Index
	0 - 14	15 - 64	65+	Total	Child Dependency Ratio	Old Age Dependency Ratio	Total Dependency Ratio	
Bumthang	4,930	11,657	1,233	17,820	42.29	10.58	52.87	25.01
Chhukha	17,078	48,963	2,925	68,966	34.88	5.97	40.85	17.13
Phuentsholing Thromde	5,767	21,186	705	27,658	27.22	3.33	30.55	12.22
Other than Phuentsholing Thromde	11,311	27,777	2,220	41,308	40.72	7.99	48.71	19.63
Dagana	7,024	16,277	1,664	24,965	43.15	10.22	53.38	23.69
Gasa	1,086	2,636	230	3,952	41.20	8.73	49.92	21.18
Haa	3,582	9,298	775	13,655	38.52	8.34	46.86	21.64
Lhuentse	4,263	9,006	1,168	14,437	47.34	12.97	60.30	27.40
Monggar	11,399	23,108	2,643	37,150	49.33	11.44	60.77	23.19
Paro	11,406	32,161	2,749	46,316	35.47	8.55	44.01	24.10
Pema Gatshel	6,512	14,812	2,308	23,632	43.96	15.58	59.55	35.44
Punakha	7,364	19,547	1,829	28,740	37.67	9.36	47.03	24.84
Samdrup Jongkhar	9,810	23,105	2,164	35,079	42.46	9.37	51.82	22.06
Samdrup Jongkhar Thromde	2,489	6,561	275	9,325	37.94	4.19	42.13	11.05
Other than Samdrup Jongkhar Thromde	7,321	16,544	1,889	25,754	44.25	11.42	55.67	25.80
Santse	16,884	41,665	4,041	62,590	40.52	9.70	50.22	23.93
Sarpang	11,215	32,177	2,612	46,004	34.85	8.12	42.97	23.29
Gelephu Thromde	2,149	7,332	377	9,858	29.31	5.14	34.45	17.54
Other than Gelephu Thromde	9,066	24,845	2,235	36,146	36.49	9.00	45.49	24.65
Thimphu	32,861	100,559	5,316	138,736	32.68	5.29	37.96	16.18
Thimphu Thromde	27,237	83,224	4,090	114,551	32.73	4.91	37.64	15.02

cont...

Table 1.5 cont...

Dzongkhag/Thromde	Population by Broad Age Groups				Dependency Ratio			Ageing Index
	0 - 14	15 - 64	65+	Total	Child Dependency Ratio	Old Age Dependency Ratio	Total Dependency Ratio	
Other than Thimphu Thromde	5,624	17,335	1,226	24,185	32.44	7.07	39.52	21.80
Trashigang	12,596	29,560	3,362	45,518	42.61	11.37	53.99	26.69
Trashigang Yangtse	5,582	10,498	1,220	17,300	53.17	11.62	64.79	21.86
Trongsa	4,124	14,735	1,101	19,960	27.99	7.47	35.46	26.70
Tsirang	5,874	14,733	1,769	22,376	39.87	12.01	51.88	30.12
Wangdue Phodrang	10,689	29,113	2,384	42,186	36.72	8.19	44.90	22.30
Zhemgang	5,138	11,054	1,571	17,763	46.48	14.21	60.69	30.58
Total	189,417	494,664	43,064	727,145	38.29	8.71	47.00	22.74

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

Source: Population & Housing Census of Bhutan, NSB, 2017

Table 1.6: Population Density by Dzongkhag, 2005 and 2017

Dzongkhag	Area (km ²)	Population		Density (Population per km ²)	
		2005	2017	2005	2017
Bumthang	2,717	16,116	17,820	5.93	6.56
Chhukha	1,880	74,387	68,966	39.57	36.68
Dagana	1,723	18,222	24,965	10.58	14.49
Gasa	3,118	3,116	3,952	1.00	1.27
Haa	1,905	11,648	13,655	6.11	7.17
Lhuentse	1,944	15,395	14,437	7.92	7.43
Monggar	2,859	37,069	37,150	12.97	12.99
Paro	1,293	36,433	46,316	28.18	35.82
Pema Gatshel	1,030	13,864	23,632	13.46	22.94
Punakha	1,110	17,715	28,740	15.96	25.89
Samdrup Jongkhar	1,878	39,961	35,079	21.28	18.68
Samtse	1,305	60,100	62,590	46.05	47.96
Sarpang	1,946	41,549	46,004	21.35	23.64
Thimphu	2,067	98,676	138,736	47.74	67.12
Trashigang	3,066	51,134	45,518	16.68	14.85
Trashi Yangtse	1,438	17,740	17,300	12.34	12.03
Trongsa	1,807	13,419	19,960	7.43	11.05
Tsirang	639	18,667	22,376	29.21	35.02
Wangdue Phodrang	4,308	31,135	42,186	7.23	9.79
Zhemgang	2,421	18,636	17,763	7.70	7.34
Total	40,454	634,982	727,145	16.54	18.94

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

Source: Population & Housing Census of Bhutan, NSB, 2017

Table 1.7: Mean Age at First Birth by Dzongkhag, 2017

Dzongkhag	Urban	Rural	Both Areas
Bumthang	21.78	21.64	21.70
Chhukha	21.85	21.01	21.43
Dagana	21.34	20.31	20.46
Gasa	21.33	21.39	21.37
Haa	21.91	21.78	21.81
Lhuentse	21.39	20.37	20.49
Monggar	21.68	20.28	20.60
Paro	22.40	21.92	22.05
Pema Gatshel	21.26	20.98	21.07
Punakha	21.68	21.31	21.39
Samdrup Jongkhar	21.46	20.56	20.89
Samtse	21.44	21.15	21.20
Sarpang	21.49	20.73	20.94
Thimphu	22.41	21.64	22.29
Trashigang	21.63	20.51	20.70
Trashigang Yangtse	21.57	20.99	21.10
Trongsa	21.48	21.34	21.37
Tsirang	21.75	20.99	21.10
Wangdue Phodrang	21.54	21.18	21.28
Zhemgang	21.61	20.39	20.64
Total	22.00	20.99	21.37

Source: Population & Housing Census of Bhutan, 2017

Table 1.8: Projected Total Population by Sex, 2018 - 2047

(Number)

Year	Both Area		
	Male	Female	Both Sex
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, NSB

Table 1.9: Projected Population by Sex and Dzongkhag, 2017 - 2021

Dzongkhag	2017			2018				
	Male	Female	Both Sex	Male	Female	Both Sex	Male	
Bumthang	9,396	8,424	17,820	9,411	8,507	17,917	9,425	
Chhukha	36,041	32,925	68,966	36,048	33,109	69,157	36,052	
Dagana	12,956	12,009	24,965	13,048	12,075	25,122	13,140	
Gasa	2,104	1,848	3,952	2,139	1,879	4,019	2,175	
Haa	7,435	6,220	13,655	7,454	6,236	13,690	7,473	
Lhuentse	7,407	7,030	14,437	7,337	6,951	14,288	7,265	
Monggar	18,247	18,903	37,150	18,108	18,909	37,017	17,965	
Paro	23,941	22,375	46,316	24,335	22,885	47,220	24,735	
Pema Gatshel	11,922	11,710	23,632	11,940	11,734	23,673	11,957	
Punakha	15,079	13,661	28,740	15,306	13,840	29,146	15,535	
Samdrup Jongkhar	18,329	16,750	35,079	18,321	16,739	35,060	18,311	
Samtse	32,022	30,568	62,590	31,981	30,719	62,700	31,938	
Sarpang	24,018	21,986	46,004	24,350	22,340	46,689	24,686	
Thimphu	72,522	66,214	138,736	74,249	68,321	142,570	76,002	
Trashigang	23,414	22,104	45,518	23,145	21,878	45,023	22,869	
Trashi Yangtse	8,719	8,581	17,300	8,660	8,531	17,191	8,599	
Trongsa	11,878	8,082	19,960	12,312	8,216	20,528	12,754	
Tsirang	11,526	10,850	22,376	11,664	10,989	22,653	11,803	
Wangdue Phodrang	24,302	17,884	42,186	24,985	18,117	43,102	25,679	
Zhemgang	9,195	8,568	17,763	9,118	8,491	17,609	9,039	
Total	380,453	346,692	727,145	383,909	350,465	734,374	387,402	

Source: Dzongkhag Population Projections, 2017 - 2027, NSB.

(Number)

2019			2020			2021		
	Female	Both Sex	Male	Female	Both Sex	Male	Female	Both Sex
	8,590	18,015	9,437	8,673	18,110	9,448	8,755	18,203
	33,292	69,344	36,049	33,470	69,519	36,037	33,640	69,678
	12,140	25,280	13,232	12,204	25,435	13,321	12,264	25,586
	1,911	4,086	2,211	1,943	4,154	2,247	1,975	4,222
	6,252	13,725	7,491	6,267	13,757	7,507	6,279	13,786
	6,869	14,134	7,191	6,783	13,973	7,113	6,693	13,806
	18,912	36,877	17,816	18,909	36,726	17,661	18,901	36,561
	23,402	48,137	25,137	23,924	49,061	25,540	24,450	49,990
	11,756	23,713	11,972	11,776	23,748	11,985	11,792	23,777
	14,022	29,557	15,766	14,203	29,968	15,997	14,383	30,380
	16,725	35,037	18,297	16,707	35,004	18,279	16,682	34,961
	30,868	62,806	31,887	31,012	62,899	31,827	31,150	62,977
	22,698	47,383	25,023	23,057	48,079	25,360	23,417	48,776
	70,464	146,466	77,772	72,632	150,404	79,555	74,824	154,379
	21,644	44,513	22,584	21,398	43,982	22,288	21,141	43,429
	8,479	17,078	8,535	8,423	16,958	8,468	8,363	16,831
	8,352	21,105	13,200	8,488	21,688	13,652	8,624	22,276
	11,130	22,934	11,943	11,271	23,214	12,082	11,411	23,493
	18,353	44,032	26,381	18,588	44,969	27,088	18,823	45,911
	8,411	17,450	8,956	8,327	17,283	8,870	8,239	17,109
	354,270	741,672	390,877	358,054	748,931	394,325	361,806	756,131

The Constitution of the Kingdom of Bhutan mandates the state to provide access to free public health services. Since the early years (1960s) of the introduction of modern health care development in Bhutan, the health programme and interventions have focused on the preventive aspects of health care and services. It included the prevention of morbidity, the promotion of positive determinants of health and the control of infectious diseases. These measures were further reinforced after being signatory to the Alma Ata declaration in 1978.

The health program is one of the top priorities of the government. The Ministry of Health in 2019 undertook several reforms and initiatives with the aspiration to ensure universal access to health. There have been continuous efforts and remarkable strides in improving the modern health care systems and services since then. The Ministry of Health has now a widespread network of Health Facilities covering around 95 percent of the total population within three hours walking distance from the health facility. Institutional health facilities were earlier concentrated in the urban centers but today the emphasis has shifted to the rural areas where the majority of the population live.

Health Care is delivered in an integrated three-tiered system with National Referral Hospital at the apex, regional referral hospitals, district hospitals, Primary Health Centers (PHCs) in rural areas and Thromde Health Centers in urban areas at the Community Level. PHCs 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 PHCs.

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) and Mental Health Program among others.

Therefore, in order to provide some account of health sector in Bhutan, this chapter presents statistics covering health infrastructures, health personnel details, top ten morbidity and mortality, outpatient and inpatient cases, immunizations, nutrition, maternal health, child health, family planning, sanitation and information on Traditional Medicine Services.

Table 2.1: Summary of Health Facilities and Personnel, 2016 - 2020

Facilities	2016	2017	2018	2019	2020
Number of Hospitals ¹	30	32	33	54	58
Public Hospitals	24	26	27	48	52
RBA Hospitals	3	2	2	2	2
Indigenous Hospital	1	1	1	1	1
IMTART Hospitals	3	3	3	3	3
Number of Primary Health Centers ²	210	208	209	186	182
Number of Outreach Clinics ³	553	551	551	542	552
Number of Indigenous Units	59	66	66	70	72
Number of Sub-post	49	45	53	53	54
Persons per doctor ⁴	2,570	2,132	2,179	2,239	2,229
Ratio of beds per Nurse	1.1	1.1	1.1	0.8	1.1
Ratio of Nurses per Doctor	4.0	3.6	3.5	4.3	4.5
Doctors per (10,000) persons	3.9	4.3	4.6	4.3	4.6
Nurses per (10,000) persons	15.4	16.2	16.5	18.6	20.9
Pharmacists per (10,000) persons	0.3	0.5	0.6	0.6	0.6
HA/BHW per (10,000) persons	8.6	8.1	8.3	8.4	8.9
Dungtshos per (10,000) persons	0.7	0.7	0.7	0.7	0.7
sMempas per (10,000) persons	1.4	1.4	1.5	1.6	1.9
Persons per hospital bed	602	569	552	442	456
Number of hospital beds available	1,277	1,277	1,310	1,600	1,640
Hospital bed per 10,000 persons	17	18	18	22	22.5
Distribution of health facilities per (10,000) persons	3.50	3.80	3.80	3.80	4.00
Proportion of population within 3 hrs walking distance of a health facility	>90	>90	>90	>90	>90
Proportion of Deliveries attended by trained personnel(%)	89.00	96.40	96.20	96.20	99.30

Note: ¹Includes 10 bedded hospitals(BHU-I is upgraded to 10 bedded hospital)

²Thromde Health Center (previously known as Satellite Clinics) included under Primary Health Center (previously known as BHU)

³ORC (Inclusive of with shed & without shed); ⁴The population is based on Population Projections Bhutan, 2017 - 2047, NSB

Source: Annual Health Bulletin 2021, MoH.

Table 2.2: Number of Health Facilities by Dzongkhag and Type, 2020

Dzongkhag	Hospital ¹	PHC & THC ²	Sub-post	Ind. Unit	ORC with shed	ORC without shed
Bumthang	1	5	0	4	11	0
Chhukha	5	13	2	6	36	5
Dagana	3	7	0	3	29	5
Gasa	1	3	0	1	4	1
Haa	1	4	2	3	9	8
Lhuentse	1	14	0	4	27	5
Monggar	2	22	5	5	53	5
Paro	1	3	3	1	19	2
Pema Gatshel	2	11	7	5	32	4
Punakha	1	7	1	2	10	0
Samdrup Jongkhar	5	7	3	7	25	5
Samtse	4	12	5	4	43	7
Sarpang	3	11	1	3	12	1
Thimphu	4	12	0	2	7	9
Trashigang	7	13	5	7	51	3
Trashy Yangtse	2	7	2	3	26	0
Trongsa	2	5	4	5	19	0
Tsirang	1	7	1	2	12	8
Wangdue Phodrang	2	10	8	4	18	7
Zhemgang	3	11	5	5	29	5
Total	51	184	54	76	472	80

Note: ¹RBA and IMTART are excluded; ²Health Center are included under PHC (Primary Health Centre)

Source: Annual Health Bulletin 2021, MoH

Table 2.3: Number of Health Personnel by Category, 2016 - 2020

Health Personnel	2016	2017	2018	2019	2020
Specialists	...	...	92	114	119
MS/CMO/MO/GDMO/Gen-Specialist/Sub-Specialist	...	...	186	204	217
Dental Specialist	...	...	...	...	11
Dental Surgeon	...	...	59	58	59
Medical Technologist	...	...	178	200	219
Lab Technologist/Entomologist	...	...	53	69	54
Pharmacist	23	36	44	43	42
Physiotherapist/Occupational Therapist	18	21	27	28	34
Orthotic/Prosthetic Technology	...	...	1	1	26
Clinical Officer	30	25	21	26	25
Radio Technologist	...	...	8	8	12
Dietitian/Nutritionist	...	...	24	25	26
Medical Technicians	...	...	926	982	1,073
Nurses Anesthetist	...	...	21	29	32
Operation Theatre (OT) Technicians	...	...	41	54	55
Emergency Management and Response Office (EMRO)/EMT	...	...	39	32	43
Dental Hygienist	...	...	67	67	71
Dental Technicians	...	...	39	37	47
Ear, Nose, Throat (ENT) Technician/Audiologist	...	...	24	30	32
Lab Technicians/Asst.	...	...	256	258	291
Malaria Technicians	...	...	34	37	33
Optometrist/Ophthalmic Technicians	...	...	62	65	62
Ortho Technicians	...	...	27	25	26
Pharmacy Technicians	...	...	150	172	193
Physio Technicians	...	...	64	65	69
X-Ray/Radiographer	...	...	102	111	119
Health Assistants	592	600	604	620	650
Nursing/Clinical Counselor	...	...	1,202	1,364	1,523
Clinical Counselor1	...	...	...	...	6
Clinical Nurse	...	...	84	193	216
Staff/Asst. Nurse	...	...	1,118	1,171	1,301
Traditional Medicine	...	...	166	170	190
Drungtsho	54	55	53	54	52
sMenpa/Therapy Aide	105	113	113	116	138
Adm. & Support	...	...	1,869	2,184	2,425
DHO/ADHO	...	...	...	...	42
Adm. & Management	1,066	1,010	882	1,031	1,044
Elementary Service Personnel (ESP)/General Service Personnel (GSP)	594	594	987	1,153	1,339

Note: ¹ Clinical counselors were only introduced in 2020

Source: Annual Health Bulletin 2021, MoH.

Table 2.4: Top Ten Morbidity, 2016 - 2020

(Number)

Diseases	2020
Common Cold	147,636
Other Disorders of Skin and Subcutaneous tissue	93,923
Other Musculo-Skeletal Disorders	84,197
Other Diseases of the Digestive System	78,857
Skin Infections	67,972
Other Nervous including Peripheral Disorders	64,035
Other Respiratory & Nose Diseases	44,213
Peptic Ulcer Syndrome	43,227
Other Eye Disorders	42,857
Dental Caries	42,154
Diseases	2019
Common Cold	264,298
Other Disorders of Skin & Subcutaneous-tissues	99,200
Other Diseases of the Digestive System	95,141
Other Musculo-skeletal Disorders	92,434
Skin Infections	82,144
Other Nervous including Peripheral Disorders	67,399
Acute Pharyngitis/Tonsillitis	65,344
Other Respiratory & Nose Diseases	64,355
Peptic Ulcer Syndrome	54,927
Dental Caries	51,282
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/ Tonsillitis	24,194
Other Eye Disorders	21,170
Peptic Ulcer Syndrome	20,091
Diseases	2017
Common Cold	234,446
Other Diseases of the Digestive System	97,083

cont...

Table 2.4 cont...

Diseases	2020
Other Disorders of Skin and Subcutaneous tissue	96,328
Other Musculo-Skeletal Disorders	91,409
Skin Infections	83,480
ANC, Immunization and Other Counselling	79,991
Acute Pharyngitis/Tonsillitis	69,501
Other Nervous including Peripheral Disorders	62,945
Other Respiratory and Nose Diseases	58,293
Peptic Ulcer Syndrome	52,331
Diseases	2016
Common Cold	286,106
Other Disorders of Skin and Subcutaneous tissue	108,906
Other Diseases of the Digestive System	103,926
Other Musculo-Skeletal Disorders	98,961
Skin Infections	92,004
Acute Pharyngitis/Tonsillitis	77,117
ANC, Immunization and Other Counselling	73,698
Other Nervous including Peripheral Disorders	68,223
Peptic Ulcer Syndrome	63,583
Other Respiratory and Nose Diseases	63,362

Source: Annual Health Bulletin 2021, MoH

Table 2.5: Top Ten Inpatient1 Hospital Mortality, 2016 - 2020

(Number)

Diseases	2020
Alcoholic Liver Disease	190
Other Circulatory Diseases	154
Other Sepsis (including Septicaemia)	104
Other Cancers	96
Other Respiratory & Nose Diseases	90
Pneumonia	88
Other Kidney, UTI/ Genital Disorders	78
Cerebro-vascular Diseases B	71
Foetal Death & Stillbirth	54
Conditions Originating in the Perinatal period	49
Diseases	2019
Alcohol Liver Diseases	129
Other Circulatory Diseases	95
Other Respiratory & Nose Diseases	93
Other Cancers	77
Cerebro-Vascular Diseases	72
Other Diseases of the Digestive System	67
Other Kidney, UTI/ Genital Disorders	61
Pneumonia	59
Other Sepsis, including Septicaemia	44
Other Nervous including Peripheral Disorders	28
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, UTI/ Genital Disorders	74
Other Sepsis, including Septicaemia	62
Conditions Originating in Perinatal Period	35
Diseases	2017
Alcohol Liver Disease	159
Other Sepsis	157

cont...

Table 2.5 cont...

Diseases	2020
Other Circulatory Diseases	100
Other Respiratory and Nose Diseases	88
Neonatal Death	72
Foetal Death and Stillbirth	67
Pneumonia	67
Other Cancers	59
Cerebro-vascular Diseases B	57
Meningitis/ Encephalitis	45
Diseases	2016
Alcohol Liver Diseases	190
Other Circulatory Diseases	154
Other Sepsis (including Septicaemia)	104
Other Cancers	96
Other Respiratory and Nose Diseases	90
Pneumonia	88
Other Kidney, UTI/ Genital Disorders	78
Foetal Death and Stillbirth	54
Conditions Originating in the Perinatal Period	49
Other Diseases of the Digestive System	44

Note: ¹Inpatient refers to those patients admitted to bed overnight (record deaths related to particular diseases) in hospitals

Source: Annual Health Bulletin 2021, MoH

Table 2.6: Total Morbidity¹ in all Health Facilities by Sex and Age Group, 2020

Name of Diseases	Under 1 Year		1 – 4 Years		
	Male	Female	Male	Female	
Infectious Diseases					
Diarrhoea	909	855	2,728	2,370	
Dysentery	51	54	168	141	
Tuberculosis*	2	2	2	2	
Other Sepsis (includes Septicaemia)	167	142	20	16	
Congenital Syphilis	6	3	1	1	
Genital Ulcer	0	0	0	0	
Syphilis	1	0	1	1	
Urethral/ Vaginal Discharges	1	0	2	16	
Other Sexually Transmitted Disease (excludes HIV/AIDS)	0	0	1	0	
Rickettsial Disease*	7	10	21	27	
Viral, Protozoal & Helminthic Diseases					
Chicken Pox	9	13	66	63	
Acute Hepatitis A	2	1	6	6	
Acute Hepatitis B	0	0	0	1	
Other Acute Hepatitis (includes Hepatitis C&E)	1	0	0	0	
Plasmodium Falciparum Malaria	0	0	0	0	
Plasmodium Vivax Malaria	0	0	0	1	
Other Malaria	0	0	1	0	
Visceral Leishmaniasis (Kala-azar)	0	0	0	0	
Intestinal Worms	14	12	112	94	
Scabies	89	110	462	365	
Streptococcus Group A*	0	0	5	4	
Other Infections (excludes ear, brain, STI)	258	220	446	410	
Neoplasms					
Oesophagus Cancer	0	0	0	0	
Stomach/ Gastric Cancer	1	0	0	0	
Colon Cancer	0	0	0	0	
Rectal Cancer	0	8	0	0	
Hepato-Biliary Cancer	0	0	0	0	
Pancreatic Cancer	0	0	0	0	
Breast Cancer	0	0	0	0	
Cervical Cancer	0	0	0	0	
Other Cancers	0	0	4	5	
Diseases of the Blood & Blood-forming Organs					
Neoplasm (benign + CIS)	5	0	8	4	
Nutritional Anaemia	0	25	101	93	

(Number)

5 – 14 Years		15 – 49 Years		5- 59 Years		6+ Years		Total
Male	Female	Male	Female	Male	Female	Male	Female	
2,653	2,284	4,657	4,799	689	767	1,244	1,309	25,264
185	187	693	703	146	140	199	167	2,834
4	9	262	254	35	25	51	27	675
9	12	57	89	24	19	34	37	626
0	0	0	0	0	0	0	0	11
1	1	69	46	8	24	3	7	159
1	2	63	110	10	12	7	6	214
16	66	1,381	2,697	132	352	62	156	4,881
0	0	305	331	18	31	11	15	712
54	47	182	183	29	48	46	40	694
209	172	125	109	3	8	15	4	796
8	6	22	30	3	2	4	3	93
0	0	26	24	5	7	4	4	71
0	0	8	12	7	1	3	2	34
0	0	5	2	2	0	1	2	12
2	1	14	10	4	2	10	2	46
0	0	11	3	1	0	4	3	23
1	9	7	1	0	0	2	1	21
398	357	531	456	89	76	78	61	2,278
2,737	1,756	3,119	2,549	286	251	317	258	12,299
29	14	38	33	1	3	4	4	135
629	627	2,347	2,703	346	389	362	405	9,142
1	2	15	8	22	6	30	10	94
0	0	16	28	22	17	97	43	224
0	0	20	20	5	5	29	18	97
0	0	6	12	9	17	22	16	90
0	0	4	3	1	0	4	4	16
0	0	0	1	0	0	1	5	7
0	0	0	33	0	13	0	8	54
0	0	0	89	0	43	0	32	164
34	13	82	139	54	118	165	129	743
17	12	91	323	17	40	39	31	587
239	440	1,396	4,654	444	602	480	687	9,161

cont...

Table 2.6 cont...

Name of Diseases	Under 1 Year		1 – 4 Years		
	Male	Female	Male	Female	
Blood & Immune Disorders	0	4	33	18	
Endocrine, Nutritional & Metabolic Diseases					
Diabetes*	0	0	0	3	
Malnutrition (excludes child clinic attendance)	0	3	1	4	
Other Nutritional & Metabolic Disorders	81	65	94	96	
Mental & Behavioural 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	1	1	
Other Mental Disorders	0	2	6	1	
Diseases of the Nervous System					
Meningitis/Encephalitis	12	22	16	6	
Epilepsy*	0	0	48	17	
Other Nervous Disorders (includes Peripheral disorders)	149	152	390	423	
Diseases of the Eye & Ear					
Conjunctivitis	158	141	345	324	
Cataract*	0	0	3	3	
Disorders of Refraction & Accommodation (Refractive Error in the Eye)	6	6	20	27	
Other Eye Disorders	247	271	576	560	
Otitis Media	0	100	378	351	
Other Ear Disorders	83	104	382	386	
Diseases of the Circulatory System					
Rheumatic Heart Disease*	0	0	1	2	
Hypertension	0	0	0	0	
Ischaemic Heart Diseases*	0	0	0	0	
Cerebro-vascular Diseases*	0	0	0	0	
Bubo	0	0	0	0	
Other Circulatory Diseases	34	45	48	49	
Diseases of the Respiratory System					
Common Cold	3,375	3,539	9,749	8,773	
Acute Pharyngitis/ Tonsillitis	138	146	726	711	
Pneumonia	385	316	489	425	
Asthma	10	11	22	15	
Other Respiratory & Nose Diseases	1,021	1,022	1,907	1,901	

5 – 14 Years		15 – 49 Years		5- 59 Years		6+ Years		Total
Male	Female	Male	Female	Male	Female	Male	Female	
54	52	233	472	61	86	82	92	1,187
0	6	846	1,102	942	980	1,109	1,162	6,150
6	5	10	38	6	10	12	17	112
192	299	827	1,262	196	238	224	288	3,862
0	0	9	6	2	1	9	9	36
1	1	955	262	138	56	54	38	1,505
2	3	257	35	2	2	2	0	303
0	2	227	157	28	25	11	13	463
3	4	337	611	60	80	42	53	1,190
14	42	602	1,097	93	150	66	98	2,164
29	23	382	521	58	70	63	78	1,233
4	12	37	37	4	10	16	12	188
72	69	514	580	61	56	35	39	1,491
1,974	2,752	14,926	27,467	2,915	4,245	3,778	4,864	64,035
997	874	2,999	3,634	648	739	1,007	1,265	13,131
11	9	92	110	59	67	249	269	872
214	227	690	1,356	184	292	309	284	3,615
1,778	2,043	9,580	12,848	2,300	3,083	4,207	5,364	42,857
1,163	1,109	2,243	2,473	330	275	269	327	9,018
1,278	1,245	2,891	3,154	505	512	719	593	11,852
15	20	103	152	44	47	60	72	516
21	19	3,087	4,304	2,152	2,443	3,335	3,426	18,787
0	2	49	45	29	14	45	41	225
3	1	60	69	28	24	128	115	428
1	0	4	8	0	4	2	0	19
182	195	1,227	2,049	331	381	628	659	5,828
15,018	16,850	29,846	36,697	5,323	5,621	6,399	6,446	147,636
2,843	3,425	7,534	10,442	1,164	1,187	1,016	1,039	30,371
183	142	197	205	66	66	199	208	2,881
55	31	224	380	130	176	292	373	1,719
3,533	4,015	9,156	12,227	1,740	1,869	2,788	3,034	44,213

cont...

Table 2.6 cont...

Name of Diseases	Under 1 Year		1 – 4 Years		
	Male	Female	Male	Female	
Diseases of the Digestive System					
Diseases of Teeth & Gums	66	66	767	884	
Dental Caries	0	0	916	965	
Peptic Ulcer Syndrome	0	0	194	220	
Acute Appendicitis*	0	0	3	1	
Alcoholic Liver Disease	0	0	0	0	
Gall Bladder Diseases*	11	11	1	9	
Other Diseases of the Digestive System	649	677	2,092	2,205	
Diseases of the Skin & Subcutaneous Tissue					
Skin Infections	2,256	987	3,346	3,026	
Other Disorders of Skin and Subcutaneous Tissue	1,392	1,531	3,952	4,081	
Diseases of the Musculo-skeletal System & Congenital Deformities					
Arthritis & Arthrosis	0	41	51	56	
Other Musculo-Skeletal Disorders	300	68	316	341	
Diseases of the Genito-Urinary System					
Cystitis*	0	3	9	11	
Infections of the Breast (includes Puerperium)	0	0	0	0	
Other diseases of the Breast	0	0	0	0	
Pelvic Inflammatory Disease*	0	0	0	0	
Menstrual Disturbances	0	0	0	0	
Other Kidney, UTI/Genital Disorders	65	106	357	330	
Pregnancy, Childbirth & the Puerperium					
Abortions	0	0	0	0	
Pregnancy Induced Hypertension		0	0	0	
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 Haemorrhage	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	189	164	0	0	
Foetal Death & Stillbirth	19	13	0	0	
Neonatal Death	16	19	0	0	
Conditions Originating in the Perinatal period	2,037	1,609	0	0	

5 – 14 Years		15 – 49 Years		5- 59 Years		6+ Years		Total
Male	Female	Male	Female	Male	Female	Male	Female	
4,265	4,400	7,195	9,201	1,412	1,355	1,644	1,491	32,746
4,466	5,083	9,389	13,385	1,918	1,938	2,164	1,930	42,154
967	1,315	12,288	15,979	2,683	3,213	2,845	3,523	43,227
75	45	322	302	59	40	37	53	937
0	0	935	619	300	255	279	200	2,588
16	23	341	647	81	179	144	193	1,656
5,130	6,088	18,422	25,880	3,798	3,935	4,851	5,130	78,857
8,098	7,668	16,773	15,857	2,637	2,339	2,720	2,265	67,972
8,784	8,630	22,338	26,684	3,689	4,079	4,591	4,172	93,923
207	192	2,150	2,025	847	870	1,135	1,056	8,630
1,894	1,912	23,756	26,300	6,454	6,893	8,089	7,874	84,197
19	18	144	645	23	54	50	50	1,026
0	6	0	273	0	12	0	4	295
0	15	33	840	2	25	5	12	932
0	16	0	1,017	0	93	0	37	1,163
0	108	0	3,745	0	362	0	48	4,263
895	1,001	7,955	17,952	1,184	2,387	1,531	1,867	35,630
0	0	0	1,111	0	0	0	0	1,111
0	0	0	427	0	0	0	0	427
0	0	0	258	0	0	0	0	258
0	0	0	91	0	0	0	0	91
0	0	0	182	0	0	0	0	182
0	0	0	44	0	0	0	0	44
0	1	0	126	0	0	0	0	127
0	0	0	84	0	0	0	0	84
0	0	0	87	0	0	0	0	87
0	10	0	7,325	0	0	0	0	7,335
0	0	0	0	0	0	0	0	353
0	0	0	0	0	0	0	0	32
0	0	0	0	0	0	0	0	35
0	0	0	0	0	0	0	0	3,646

cont...

Table 2.6 cont...

Name of Diseases	Under 1 Year		1 – 4 Years		
	Male	Female	Male	Female	
Congenital Malformations, Deformations &; Chromosomal Abnormalities					
Oro-facial Clefts	9	4	0	0	
Gastrointestinal Tract defects	0	0	0	0	
Talipes Equinovarus	0	0	0	0	
Omphalocele	0	0	0	0	
Other Malformations	62	46	45	38	
Injury, Poisoning and certain other consequences of External Causes					
Mushroom Poisoning (Toxic effect of other unspecified substances)	0	0	3	5	
Transport Accidents	0	0	22	13	
Accidental Falls	28	33	302	213	
Other Bites and Sting (excludes dog bite)	10	0	180	158	
Dog Bites	4	0	284	199	
Accidental Drowning & Submersion	0	0	2	4	
Exposure to Electric Current	0	0	2	1	
Contact with Heat & Hot substances and exposure to Smoke, Fire & Flames	0	0	240	166	
Snake Bite	0	0	3	3	
Contact with Venomous Animals and Plants (excludes snake bite)	0	0	5	3	
Accidental Poisoning by and Exposure to Noxious substances	2	0	19	7	
Intentional Self-harm by Poisoning	0	0	0	0	
Intentional Self-harm by Drowning & Submersion	0	0	0	0	
Assault by Poisoning (includes homicidal poisoning)	0	0	0	1	
Assault by Drowning and Submersion	0	0	0	0	
Other Intentional Self-harm	0	0	9	2	
Work Related Injuries	8	10	192	132	
Others (injuries other than above & unknown cause of injury)	45	40	628	420	
Other Conditions					
Complications of Health Care	23	0	13	7	
ANC, Immunization & Other Counselling	3,870	3,856	5,405	5,376	
Total	18,283	16,688	38,748	36,593	

Note: ¹Morbidity: the condition of suffering from a disease or medical condition;

*For these diseases, the data are available only from Hospitals.

Source: Annual Health Bulletin 2021, MoH.

5 – 14 Years		15 – 49 Years		5- 59 Years		6+ Years		Total
Male	Female	Male	Female	Male	Female	Male	Female	
0	0	0	0	0	0	0	0	13
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
30	36	15	24	1	0	1	0	298
11	11	59	74	12	4	8	8	195
69	51	794	272	59	39	66	42	1,427
792	433	1,743	1,034	321	286	397	363	5,945
472	431	904	925	182	166	177	184	3,789
1,070	796	1,669	1,322	322	215	327	222	6,430
11	6	17	20	3	0	4	8	75
5	7	22	13	1	2	1	2	56
269	224	487	530	62	61	84	68	2,191
11	2	85	45	18	15	26	12	220
15	7	24	22	4	3	6	4	93
8	12	31	28	5	3	9	5	129
3	0	30	45	6	0	0	0	84
0	1	2	7	0	0	0	1	11
1	3	3	6	1	3	0	1	19
0	0	1	4	0	1	0	0	6
20	11	126	73	13	12	10	8	284
1,682	943	10,586	4,755	1,572	756	1,407	1,010	23,053
2,150	1,220	6,421	3,650	833	521	887	571	17,386
36	43	162	383	26	36	27	34	790
3,022	3,410	10,070	31,020	1,627	2,486	2,561	2,769	75,472
81,366	83,672	260,988	359,592	52,166	58,465	66,566	68,991	1,142,118.00

Table 2.7: Inpatient1 Cases in all Hospitals by Sex and Age Group, 2020

Indicators	Under 1 Years		1 – 4 Years		
	Male	Female	Male	Female	
Infections					
Diarrhoea	87	57	213	179	
Dysentery	3	0	16	9	
Tuberculosis	2	2	2	2	
Other Sepsis (includes Septicaemia)	160	136	20	15	
Congenital Syphilis	6	3	1	1	
Genital Ulcer	0	0	0	0	
Syphilis	1	0	0	0	
Urethral/Vaginal Discharges	0	0	0	0	
Other Sexually Transmitted Disease (excludes HIV/AIDS)	0	0	0	0	
Rickettsial Disease	7	10	17	23	
Viral, Protozoal & Helminthic Diseases					
Chicken Pox	4	0	0	0	
Acute Hepatitis A	0	0	0	0	
Acute Hepatitis B	0	0	0	0	
Other Acute Hepatitis (includes Hepatitis C & E)	1	0	0	0	
Plasmodium Falciparum Malaria	0	0	0	0	
Plasmodium Vivax Malaria	0	0	0	1	
Other Malaria	0	0	1	0	
Visceral Leishmaniasis (Kala-azar)	0	0	0	0	
Intestinal Worms	0	0	0	0	
Scabies	3	4	2	9	
Streptococcus GroupA	0	0	0	1	
Other Infections (excludes ear, brain, STI)	47	29	52	39	
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	
Cervical Cancer	0	0	0	0	
Other Cancers	0	0	4	5	
Blood diseases					
Neoplasm (benign + CIS)	4	2	5	2	
Nutritional Anaemia	12	10	22	13	

(Number)

5 – 14 Years		15 – 49 Years		50 - 59 Years		60 + Years		Total	Death
Male	Female	Male	Female	Male	Female	Male	Female		
149	123	204	238	30	27	61	100	1,468	1
15	10	34	27	4	3	5	5	131	1
2		229	212	29	13	42	25	560	27
8	10	46	63	23	19	32	35	567	104
0	0	0	0	0	0	0	0	11	0
0	0	1	3	0	0	1	1	6	1
0	0	4	4	3	1	2	2	17	0
0	0	23	6	1	1	0	0	31	0
0	0	8	7	0	2	1	0	18	0
45	42	127	134	24	34	38	33	534	2
2	0	3	2	0	0	0	0	11	0
0	0	2	2	0	1	0	0	5	1
0	0	21	15	4	5	4	4	53	1
0	0	4	8	4	1	1	1	20	1
0	0	2	1	1	0	1	2	7	0
1	1	10	10	4	2	5	1	35	0
0	0	10	3	1	0	4	3	22	0
0	0	5	0	0	0	2	1	8	0
1	3	7	11	4	1	0	1	28	1
7	8	9	3	0	0	3	1	49	0
2	0	0	1	0	0	0	0	4	0
65	41	279	228	50	76	79	73	1,058	22
0	0	12	5	20	4	28	8	77	7
0	0	15	21	20	15	86	36	193	8
0	0	19	13	4	3	26	13	78	4
0	0	5	7	9	16	19	12	68	3
0	0	3	3	1	0	4	4	15	3
0	0	0	0	0	0	1	5	6	0
0	0	0	33	0	12	0	7	52	0
0	0	0	57	0	27	0	24	108	6
30	8	54	70	42	75	121	104	513	96
8	3	16	94	7	18	15	18	192	6
16	7	57	168	12	20	54	41	432	3

cont...

Table 2.7 cont...

Indicators	Under 1 Years		1 – 4 Years		
	Male	Female	Male	Female	
Blood & Immune Disorders	5	4	20	6	
Endocrine, Metabolic & Nutritional					
Diabetes	0	0	0	1	
Malnutrition (excludes child clinic attendance)	4	1	0	2	
Other Nutritional & Metabolic Disorders	66	40	12	12	
Mental and behavioral 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	2	1	3	0	
Disease of Nervous system					
Meningitis/Encephalitis	12	20	12	6	
Epilepsy	5	6	36	9	
Other Nervous Disorders (includes Peripheral disorders)	13	12	18	14	
Eye & Ear Diseases					
Conjunctivitis	0	0	1	0	
Cataract	0	0	0	0	
Disorders of Refraction & Accommodation (Refractive Error in the Eye)	0	0	1	0	
Other Eye Disorders	4	6	10	12	
Otitis Media	1	0	2	2	
Other Ear Disorders	1	3	3	5	
Diseases of Circulatory System					
Rheumatic Heart Disease	0	0	0	0	
Hypertension	0	0	0	0	
Ischaemic Heart Diseases	0	0	0	0	
Cerebro-vascular Diseases	0	1	0	0	
Bubo	0	0	0	0	
Other Circulatory Diseases	17	16	10	9	
Respiratory Diseases					
Common Cold	87	92	126	114	
Acute Pharyngitis/ Tonsillitis	9	6	19	20	
Pneumonia	143	108	101	92	
Asthma	3	2	12	6	
Other Respiratory & Nose Diseases	180	121	167	104	

5 – 14 Years		15 – 49 Years		50 - 59 Years		60 + Years		Total	Death
Male	Female	Male	Female	Male	Female	Male	Female		
19	17	59	112	13	24	26	27	332	11
0	3	111	118	91	64	171	201	760	14
1	2	0	0	1	0	1	2	14	1
3	4	57	85	20	23	20	30	372	7
0	0	2	3	1	0	3	4	13	0
1	1	524	124	77	26	25	21	799	2
2	1	89	10	1	1	0	0	104	1
0	0	55	28	2	4	3	2	94	0
2	1	62	122	1	7	8	7	210	0
1	4	32	87	4	8	2	8	146	0
6	3	59	95	6	12	7	9	203	0
1	6	28	23	2	10	12	7	139	47
11	13	72	52	5	4	12	11	236	6
27	18	259	250	46	54	79	69	859	16
3	1	8	5	1	1	24	19	63	2
4	1	6	6	8	21	103	124	273	0
0	0	8	2	3	0	2	0	16	0
25	20	128	109	23	21	77	65	500	12
10	16	18	29	2	2	0	2	84	0
20	10	48	45	5	6	9	10	165	0
4	3	21	48	4	7	12	25	124	4
7	5	253	299	126	143	437	434	1,704	23
0	1	18	15	10	8	32	31	115	12
3	1	38	34	18	22	114	104	335	71
1	0	1	2	0	0	2	0	6	1
11	25	206	269	63	60	301	311	1,298	154
150	119	433	368	29	34	36	35	1,623	1
65	47	165	198	19	12	16	19	595	10
49	24	94	95	37	42	151	143	1,079	88
12	6	43	105	29	38	103	123	482	9
77	61	294	327	117	101	532	503	2,584	90

cont...

Table 2.7 cont...

Indicators	Under 1 Years		1 – 4 Years		
	Male	Female	Male	Female	
Diseases of the Digestive system					
Diseases of Teeth & Gums	2	2	13	8	
Dental Caries	0	0	8	7	
Peptic Ulcer Syndrome	1	2	8	6	
Acute Appendicitis	0	0	3	0	
Alcoholic Liver Disease	0	0	0	0	
Gallbladder Diseases	8	9	0	1	
Other Diseases of the Digestive System	131	109	139	106	
Diseases of the Skin and Subcutaneous Tissue					
Skin Infections	34	35	66	60	
Other Disorders of Skin and Subcutaneous Tissue	30	26	71	60	
Diseases of Musculo-skeletal system & Congenital Deformities					
Arthritis & Arthrosis	1	1	2	2	
Other Musculo-Skeletal Disorders	7	2	32	22	
Diseases of Genito-Urinary diseases					
Cystitis	1	2	3	8	
Infections of the Breast (includes Puerperium)	0	0	0	0	
Other diseases of the Breast	0	0	0	0	
Pelvic Inflammatory Disease	0	0	0	0	
Menstrual Disturbances	0	0	0	0	
Other Kidney, UT/Genital Disorders	20	31	84	52	
Pregnancy, Childbirth and Puerperium					
Abortions	0	0	0	0	
Pregnancy Induced Hypertension	0	0	0	0	
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	185	161	0	0	
Foetal Death & Stillbirth	18	12	0	0	
Neonatal Death	14	19	0	0	
Conditions Originating in the Perinatal period	1878	1489	0	0	

5 – 14 Years		15 – 49 Years		50 - 59 Years		60 + Years		Total	Death
Male	Female	Male	Female	Male	Female	Male	Female		
13	13	44	42	6	5	10	6	164	0
18	12	55	53	10	5	11	10	189	0
6	15	299	350	61	63	90	129	1,030	3
64	43	254	230	37	19	26	36	712	2
0	0	460	270	138	150	161	129	1,308	190
1	3	181	395	45	102	76	121	942	3
171	149	902	893	188	172	355	247	3,562	44
57	61	242	197	32	24	67	60	935	1
99	91	386	343	75	67	172	93	1,513	5
16	5	100	50	35	17	60	40	329	0
146	82	754	618	125	100	176	163	2,227	3
1	0	25	65	3	7	15	18	148	5
0	0	0	53	0	1	0	0	54	0
0	0	2	58	0	3	0	4	67	0
0	1	0	99	0	8	0	4	112	0
0	1	0	154	0	24	0	2	181	0
146	104	633	1,554	158	234	338	303	3,657	78
0	0	0	873	0	0	0	0	873	0
0	0	0	278	0	0	0	0	278	1
0	0	0	219	0	0	0	0	219	0
0	0	0	75	0	0	0	0	75	0
0	0	0	159	0	0	0	0	159	1
0	0	0	38	0	0	0	0	38	0
0	1	0	106	0	0	0	0	107	4
0	0	0	71	0	0	0	0	71	0
0	0	0	67	0	0	0	0	67	0
0	8	0	6,201	0	0	0	0	6,209	1
0	0	0	0	0	0	0	0	346	38
0	0	0	0	0	0	0	0	30	54
0	0	0	0	0	0	0	0	33	13
0	0	0	0	0	0	0	0	3,367	49

cont...

Table 2.7 cont...

Indicators	Under 1 Years		1 – 4 Years		
	Male	Female	Male	Female	
Congenital Malformations, Deformations and Chromosomal abnormalities					
Oro-facial Clefts	7	2	0	0	
Gastrointestinal Tract defects	0	1	0	0	
Talipes Equinovarus	1	0	0	0	
Omphalocele	1	0	0	0	
Other Malformations	52	41	38	35	
Injury, Poisoning and certain other consequences of External Causes					
Mushroom Poisoning (Toxic effect of other unspecified substances)	0	0	1	1	
Transport Accidents	1	0	11	7	
Accidental Falls	9	9	69	53	
Other Bites and Sting (excludes dog bite)	0	0	8	1	
Dog Bites	0	1	24	21	
Accidental Drowning & Submersion	0	0	1	1	
Exposure to Electric Current	0	0	0	0	
Contact with Heat & Hot substances and exposure to Smoke, Fire & Flames	12	7	24	20	
Snake Bite	1	0	1	0	
Contact with Venomous Animals and Plants (excludes snake bite)	0	0	3	1	
Accidental Poisoning by and Exposure to Noxious substances	0	0	11	6	
Intentional Self-harm by Poisoning	0	0	0	0	
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	1	0	
Work Related Injuries	0	1	8	12	
Others (injuries other than above & unknown cause of injury)	6	4	56	35	
Other Conditions					
Complications of Health Care	16	3	5	1	
ANC, Immunization & Other Counselling	320	289	383	385	
Total	3,645	2,950	1,981	1,624	

Note: ¹Inpatient refers to those patients admitted to bed overnight (records deaths related to particular disease) in hospitals & BHU-I

Source: Annual Health Bulletin 2021, MoH.

5 – 14 Years		15 – 49 Years		50 - 59 Years		60 + Years		Total	Death
Male	Female	Male	Female	Male	Female	Male	Female		
0	0	0	0	0	0	0	0	9	0
0	0	0	0	0	0	0	0	1	0
0	0	0	0	0	0	0	0	1	1
0	0	0	0	0	0	0	0	1	0
27	26	12	14	0	0	0	0	245	22
3	3	27	21	3	2	3	2	66	4
33	22	307	103	26	11	33	17	571	20
157	88	367	184	79	77	133	120	1,345	14
12	12	57	32	7	9	21	7	166	0
87	57	190	141	27	24	25	14	611	1
0	1	0	1	0	0	0	0	4	0
0	1	8	1	0	0	0	0	10	2
21	17	51	45	4	4	9	9	223	1
8	1	49	21	12	7	12	7	119	3
6	2	17	11	1	0	2	2	45	1
3	7	19	16	3	1	7	4	77	0
0	0	12	24	3	0	0	0	39	6
0	1	1	2	0	0	0	0	4	0
0	1	0	2	0	2	0	1	6	0
0	0	0	0	0	0	0	0	0	1
2	3	47	23	4	3	4	1	88	2
63	21	559	187	70	21	62	22	1,026	1
156	66	798	413	94	46	121	67	1,862	25
1	3	31	25	8	2	1	13	109	5
126	261	444	2,766	15	267	39	33	5,328	8
2,309	1,851	11,733	22,057	2,330	2,608	4,984	4,590	62,662	1,492

Table 2.8: Outpatient1 Cases in all Health Facilities by Sex and Age, 2020

Name of Diseases	Under 1 Year		1 – 4 Years		
	Male	Female	Male	Female	
Infections					
Diarrhoea	474	479	1,367	1,215	
Dysentery	30	35	77	68	
Tuberculosis*	0	0	0	0	
Other Sepsis (includes Septicaemia)	0	0	0	1	
Congenital Syphilis	0	0	0	0	
Genital Ulcer	0	0	0	0	
Syphilis	0	0	0	0	
Urethral/Vaginal Discharges	0	0	2	16	
Other Sexually Transmitted Disease (excludes HIV/AIDS)	0	0	1	0	
Rickettsial Disease*	0	0	3	4	
Viral, Protozoal & Helminthic disease					
Chicken Pox	5	11	48	40	
Acute Hepatitis A	2	1	6	6	
Acute Hepatitis B	0	0	0	0	
Other Acute Hepatitis (includes Hepatitis C & E)	0	0	0	0	
Plasmodium 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	12	10	68	47	
Scabies	60	85	310	243	
Streptococcus GroupA*	0	0	3	1	
Other Infections (excludes ear, brain, STI)	72	68	147	115	
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	
Cervical Cancer	0	0	0	0	
Other Cancers	0	0	0	0	
Blood diseases	0	0	0	0	
Neoplasm (benign + CIS)	1	0	2	1	
Nutritional Anaemia	11	9	44	33	

(Number)

5 – 14 Years		15 – 49 Years		50 - 59 Years		60+ Years		Total
Male	Female	Male	Female	Male	Female	Male	Female	
1,276	1,165	2,237	2,246	293	332	395	351	11,830
100	99	289	290	50	47	45	33	1,163
2	0	22	31	4	9	6	2	76
1	1	7	25	0	0	1	2	38
0	0	0	0	0	0	0	0	0
0	0	39	18	6	18	1	5	87
0	1	34	74	2	3	2	3	119
15	62	1,072	2,209	101	296	51	132	3,956
0	0	176	174	6	7	5	3	372
8	5	47	42	3	10	6	4	132
131	101	100	73	2	4	11	2	528
8	6	19	28	3	1	4	3	87
0	0	3	8	0	1	0	0	12
0	0	2	3	3	0	1	0	9
0	0	1	1	0	0	0	0	2
0	0	1	0	0	0	3	0	4
0	0	1	0	0	0	0	0	1
0	8	0	0	0	0	0	0	8
137	118	158	130	14	9	4	2	709
1,379	887	1,888	1,469	186	124	123	96	6,850
16	8	21	26	0	2	2	2	81
221	252	1,229	1,351	170	132	100	125	3,982
1	2	2	2	2	2	0	1	12
0	0	0	2	0	2	4	2	10
0	0	1	3	0	2	0	2	8
0	0	1	3	0	0	0	2	6
0	0	1	0	0	0	0	0	1
0	0	0	0	0	0	0	0	0
0	0	0	0	0	1	0	0	1
0	0	0	29	0	15	0	7	51
1	4	22	63	9	38	33	17	187
0	0	0	0	0	0	0	0	0
7	7	72	196	9	21	21	11	348
87	244	636	2,503	234	236	196	261	4,494

cont...

Table 2.8 cont...

Name of Diseases	Under 1 Year		1 – 4 Years		
	Male	Female	Male	Female	
Blood & Immune Disorders	2	0	1	0	
Endocrine, Metabolic & Nutritional					
Diabetes*	0	0	0	2	
Malnutrition (excludes child clinic attendance)	2	2	1	1	
Other Nutritional & Metabolic Disorders	13	15	40	34	
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	1	1	
Other Mental Disorders	0	0	3	0	
Disease of Nervous system					
Meningitis/Encephalitis	0	2	0	0	
Epilepsy*	2	1	10	8	
Other Nervous Disorders (includes Peripheral disorders)	70	58	155	150	
Eye & Ear Diseases					
Conjunctivitis	110	96	195	196	
Cataract*	1	1	3	2	
Disorders of Refraction & Accommodation (Refractive Error in the Eye)	3	5	19	25	
Other Eye Disorders	158	178	348	320	
Otitis Media	35	65	206	192	
Other Ear Disorders	65	71	270	270	
Diseases of Circulatory System					
Rheumatic Heart Disease*	1	0	1	1	
Hypertension	0	0	0	0	
Ischaemic Heart Diseases*	0	0	0	0	
Cerebro-vascular Diseases*	0	0	0	0	
Bubo	0	0	0	0	
Other Circulatory Diseases	9	21	21	28	
Respiratory Diseases					
Common Cold	1,966	2,105	5,319	4,345	
Acute Pharyngitis/ Tonsillitis	90	93	417	438	
Pneumonia	70	44	95	98	
Asthma	6	9	10	9	
Other Respiratory & Nose Diseases	459	489	826	735	

5 – 14 Years		15 – 49 Years		50 - 59 Years		60+ Years		Total
Male	Female	Male	Female	Male	Female	Male	Female	
2	12	58	198	20	32	26	21	372
0	3	720	957	838	905	915	941	5,281
2	0	5	22	3	6	6	11	61
51	91	323	527	67	95	61	84	1,401
0	0	7	3	1	1	6	5	23
0	0	377	111	53	22	25	14	602
0	2	157	21	0	1	1	0	182
0	2	170	127	25	20	7	11	362
1	3	264	472	57	71	30	43	941
11	35	524	938	78	135	61	82	1,866
17	17	261	349	44	51	36	47	825
0	2	3	5	2	0	1	2	17
55	51	425	519	53	49	22	27	1,222
543	750	5,525	7,931	819	964	826	925	18,716
524	442	1,678	1,937	274	269	313	302	6,336
5	4	57	83	40	35	134	128	493
205	217	638	1,299	173	270	276	251	3,381
969	1,062	5,475	6,996	1,108	1,379	1,650	1,864	21,507
565	534	1,435	1,527	235	182	156	187	5,319
834	818	2,072	2,190	352	348	505	396	8,191
6	6	72	84	36	26	34	29	296
8	9	1,849	2,695	1,524	1,692	2,064	2,143	11,984
0	1	26	28	17	5	11	9	97
0	0	12	28	6	2	8	7	63
0	0	3	6	0	4	0	0	13
66	65	335	583	83	97	114	91	1,513
6,462	6,573	14,029	15,626	2,366	2,288	2,146	2,040	65,265
1,309	1,547	3,821	4,991	632	591	449	432	14,810
71	64	60	70	23	10	25	27	657
36	20	152	220	70	110	137	205	984
1,394	1,536	4,023	4,820	707	669	803	825	17,286

cont...

Table 2.8 cont...

Name of Diseases	Under 1 Year		1 – 4 Years		
	Male	Female	Male	Female	
Diseases of the Digestive system					
Diseases of Teeth & Gums	58	59	630	740	
Dental Caries	0	0	752	820	
Peptic Ulcer Syndrome	43	52	165	191	
Acute Appendicitis*	0	0	0	0	
Alcoholic Liver Disease	0	0	0	0	
Gall Bladder Diseases*	3	1	1	8	
Other Diseases of the Digestive System	290	323	1,007	1,044	
Diseases of the Skin and Subcutaneous Tissue					
Skin Infections	577	600	1,575	1,468	
Other Disorders of Skin and Subcutaneous Tissue	924	1,016	2,165	2,111	
Diseases of Musculo-skeletal system & Congenital Deformities					
Arthritis & Arthrosis	36	38	44	45	
Other Musculo-Skeletal Disorders	45	46	205	242	
Genito-Urinary diseases					
Cystitis*	1	1	5	2	
Infections of the Breast (includes Puerperium)	0	0	0	0	
Other diseases of the Breast	0	1	0	0	
Pelvic Inflammatory Disease*	0	0	0	0	
Menstrual Disturbances	0	0	0	0	
Other Kidney, UT/Genital Disorders	41	72	172	178	
Pregnancy, Childbirth and Puerperium					
Abortions	0	0	0	0	
Pregnancy Induced Hypertension	0	0	0	0	
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	2	0	0	0	
Foetal Death & Stillbirth	0	1	0	0	
Neonatal Death	0	0	0	0	
Conditions Originating in the Perinatal period	155	119	0	0	

5 – 14 Years		15 – 49 Years		50 - 59 Years		60+ Years		Total
Male	Female	Male	Female	Male	Female	Male	Female	
3,429	3,511	5,613	6,992	1,062	972	1,140	1,022	25,228
3,584	4,092	7,175	10,378	1,421	1,390	1,455	1,293	32,360
635	848	6,967	9,042	1,409	1,655	1,350	1,588	23,945
4	1	47	47	19	17	7	12	154
0	0	385	299	132	89	85	47	1,037
10	18	123	211	25	58	55	56	569
2,161	2,411	8,901	12,138	1,830	1,667	1,679	1,672	35,123
								0
3,567	3,334	8,178	7,566	1,370	1,146	1,124	919	31,424
4,096	3,928	11,901	13,599	1,877	1,902	1,942	1,709	47,170
								0
145	142	1,167	971	404	385	426	384	4,187
1,173	1,221	14,289	14,764	3,496	3,419	3,413	3,092	45,405
16	15	111	531	15	40	31	28	796
0	1	0	126	0	6	0	3	136
0	8	22	340	1	13	3	4	392
0	14	0	854	0	79	0	33	980
0	77	0	2,414	0	273	0	37	2,801
381	530	3,042	8,858	591	1,018	581	700	16,164
0	0	0	136	0	0	0	0	136
0	0	0	110	0	0	0	0	110
0	0	0	15	0	0	0	0	15
0	0	0	4	0	0	0	0	4
0	0	0	0	0	0	0	0	0
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	2	0	0	0	0	2
0	1	0	704	0	0	0	0	705
0	0	0	0	0	0	0	0	2
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	274

cont...

Table 2.8 cont...

Name of Diseases	Under 1 Year		1 – 4 Years		
	Male	Female	Male	Female	
Congenital Malformations, Deformations and Chromosomal abnormalities					
Oro-facial Clefts	1	1	0	0	
Gastrointestinal Tract defects	0	0	0	0	
Talipes Equinovarus	0	0	0	0	
Omphalocele	0	1	0	0	
Other Malformations	2	3	5	1	
Injury, Poisoning and certain other consequences of External Causes					
Mushroom Poisoning (Toxic effect of other unspecified substances)	0	0	0	0	
Transport Accidents	0	0	8	3	
Accidental Falls	9	11	127	89	
Other Bites and Sting (excludes dog bite)	4	2	59	64	
Dog Bites	3	2	110	71	
Accidental Drowning & Submersion	0	0	0	3	
Exposure to Electric Current	0	0	0	1	
Contact with Heat & Hot substances and exposure to Smoke, Fire & Flames	12	14	64	36	
Snake Bite	0	0	0	0	
Contact with Venomous Animals and Plants (excludes snake bite)	0	0	0	0	
Accidental Poisoning by and Exposure to Noxious substances	1	1	5	0	
Intentional Self-harm by Poisoning	0	0	0	0	
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	1	0	0	
Other Intentional Self-harm	1	0	4	2	
Work Related Injuries	3	1	55	30	
Others (injuries other than above & unknown cause of injury)	13	11	217	149	
Other Conditions					
Complications of Health Care	5	1	4	4	
ANC, Immunization & Other Counselling	990	997	1,045	1,004	
Total	6,948	7,328	18,443	16,951	

Note: *These data are not collect from Primary Health Center;

¹ Outpatient refers to a patient who attends a hospital for treatment without staying there overnight

Source: Annual Health Bulletin 2021, MoH.

5 – 14 Years		15 – 49 Years		50 - 59 Years		60+ Years		Total
Male	Female	Male	Female	Male	Female	Male	Female	
								0
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	0
0	0	0	0	0	0	0	0	1
1	9	3	6	1	0	1	0	32
2	0	11	11	3	0	1	0	28
18	12	247	113	13	18	17	12	461
286	180	828	460	124	102	105	87	2,408
160	128	274	290	56	30	29	37	1,133
373	322	656	544	100	70	113	76	2,440
3	2	11	6	1	0	1	1	28
2	4	9	4	1	1	1	1	24
54	61	188	165	20	10	30	14	668
1	0	12	5	2	2	3	0	25
0	0	2	6	3	2	0	0	13
1	3	9	6	0	1	0	0	27
2	0	8	6	2	0	0	0	18
0	0	1	5	0	0	0	0	6
0	0	1	0	0	0	0	0	1
0	0	0	3	0	0	0	0	4
3	2	40	20	2	1	0	2	77
414	252	3,008	1,376	399	196	263	460	6,457
643	354	2,478	1,426	286	150	232	161	6,120
17	23	27	146	5	4	6	4	246
450	592	3,386	7,592	200	358	169	262	17,045
38,157	38,932	131,757	168,658	25,673	26,715	26,124	25,933	531,619

Table 2.9: Number of Patient Admissions & Average Length of Stay in Hospitals by Dzongkhag, 2020

Dzongkhag	Total Admission	Discharged	Deaths	Absconded	Patient days	Average length of stay
Bumthang	882	600	15	3	2,523	4
Chhukha	5,067	4,381	48	73	16,843	4
Dagana	1,343	1,224	13	5	3,557	3
Gasa	0	0	0	0	0	0
Haa	397	333	10	0	1,452	4
Lhuentse	861	718	16	4	3,726	5
Monggar	5,211	5,143	111	5	27,380	5
Paro	2,349	1,929	37	12	7,914	4
Pema Gatshel	1,770	1,583	16	4	5,050	3
Punakha	1,807	1,376	34	12	6,437	5
Samdrup Jongkhar	1,984	1,744	33	1	6,617	4
Samtse	3,167	2,758	46	6	8,423	3
Sarpang	4,096	3,641	109	18	17,331	5
Thimphu	18,372	18,234	653	21	121,632	6
Trashigang	3,329	2,895	40	1	10,184	3
Trashigang Yangtse	660	668	9	0	3,314	5
Trongsa	710	527	7	1	2,104	4
Tsirang	1,708	1,531	17	2	7,408	5
Wangdue Phodrang	2,094	1,660	34	0	6,174	4
Zhemgang	502	423	10	1	1,528	4
Total	56,309	51,368	1,258	169	259,597	5

Source: Annual Health Bulletin 2021, MoH.

Table 2.10: Number of Immunization by Type and Dzongkhag, 2020

Dzongkhag	Antigen				
	BCG	MR 1	OPV 0	OPV 3	DPT-Hep B 3
Bumthang	137	286	125	279	279
Chhukha	939	983	932	915	930
Dagana	218	299	213	295	295
Gasa	16	45	15	46	51
Haa	90	131	87	143	142
Lhuentse	95	188	131	188	188
Monggar	719	547	667	516	520
Paro	675	746	873	737	737
Pema Gatshel	185	306	180	308	307
Punakha	243	359	243	340	341
Samdrup Jongkhar	303	499	284	432	431
Samtse	676	744	649	700	700
Sarpang	992	608	977	694	695
Thimphu	3,385	2,014	3,553	2,127	2,149
Trashigang	507	545	457	531	530
Trashy Yangtse	205	224	190	242	253
Trongsa	96	245	83	244	242
Tsirang	170	239	173	269	288
Wangdue Phodrang	579	570	561	582	584
Zhemgang	107	219	91	182	181
Total	10,337	9,797	10,484	9,770	9,843

Source: Annual Health Bulletin 2021, MoH.

Table 2.11: Number of Malaria Cases by Type and Deaths, 2016 - 2020

Details	2016	2017	2018	2019	2020
Plasmodium vivax	16	11	36	31	46
Plasmodium falciparum	1	0	17	11	8
Mixed infections	1	0	1	0	0
Deaths due to malaria	0	1	1	0	0

Source: Annual Health Bulletin 2021, MoH.

Table 2.12: Details of Maternal & Child Health Care Activities, 2016 - 2020

(Number)

Type of care	2016	2017	2018	2019	2020
Antenatal care attendance	27,833	26,159	23,809	25,179	25,393
1st visit	11,680	11,816	5,872	10,923	12,383
4th visit	9,297	9,145	10,201	8,743	8,709
8th visit	6,856	5,198	7,736	5,513	4,301
Deliveries attended by trained health personnel	10,948	11,134	11,658	10,156	11,139
Home	230	154	225	112	116
Facility	10,718	10,980	11,433	10,044	11,023
Post-Natal care attendance	11,592	11,554	13,697	29,889	30,851
1st visit	4,144	4,076	4,814	4,253	5,764
4th visit	7,448	7,478	8,883	8,007	7,990

Note: 2nd and 3rd visit has been deleted as MoH does not compile the records.

Source: Annual Health Bulletin 2021, MoH.

Table 2.13: Number of Users of Family Planning Methods by Type, 2016 - 2020

Method	2016	2017	2018	2019	2020
Intra Uterine Device (IUD) ¹	1,609	1,777	2,362	2,425	1,506
Oral Pills (OCP) ²	83,637	69,572	62,299	58,868	60,608
Injection DMPA ³	85,195	84,626	84,832	80,091	79,309
Vasectomy	6,199	5,653	5,763	4,918	4,376
Tubectomy	5,149	5,377	5,500	5,194	4,586
Condoms ⁴	1,094,290	873,398	983,901	1,008,685	1,012,811

Notes: ¹IUD = No. inserted;

²Pills = No. of cycles (1 user is equal to 12 cycles or 13 cycles)

³DMPA = No. of Injections (1 user is equal to 12 cycles or 13 cycles); ⁴Condoms = No. of pieces distributed

Source: Annual Health Bulletin 2021, MoH.

Table 2.14: Number of Users of Family Planning Methods by Type and Dzongkhag, 2020

Dzongkhag	Family planning methods					
	IUD Inserted	Oral pills ²	DMPA ³	Vasectomy ¹	Tubectomy ¹	Condom issued ⁴
Bumthang	38	1,469	1,968	28	150	69,028
Chhukha	166	6,326	6,520	62	18	68,750
Dagana	5	4,058	5,214	283	201	23,444
Gasa	4	159	538	21	102	5,643
Haa		1,338	1,222	17	21	12,314
Lhuentse	29	1,021	1,355	129	125	25,258
Monggar	250	2,295	5,773	217	260	102,954
Paro	28	2,491	4,895	354	745	35,157
Pema Gatshel	27	1,962	2,548	167	99	39,946
Punakha	108	2,105	3,171	150	294	37,971
Samdrup Jongkhar	19	3,594	4,132	216	307	45,332
Samtse	68	11,092	8,174	1,301	593	71,684
Sarpang	54	4,572	5,978	183	418	55,925
Thimphu	317	4,946	8,173	34	116	165,761
Trashigang	29	1,437	2,308	114	136	27,506
Trashigang Yangtse	123	2,754	5,765	292	352	61,355
Trongsa	85	1,272	1,700	82	95	39,473
Tsirang	23	3,120	3,291	119	81	45,236
Wangdue Phodrang	29	2,795	3,557	528	358	49,252
Zhemgang	104	1,802		79	115	30,822
Total	1,506	60,608	76,282	4,376	4,586	1,012,811

Note: ¹Cumulative figures, collected from Annual Household Survey;

²Pills = No. of cycles (1 user is equal to 12 cycles or 13 cycles)

³DMPA = No. of Injections (1 user is equal to 12 cycles or 13 cycles); ⁴Condoms = No. of pieces distributed

Source: Annual Health Bulletin 2021, MoH

Table 2.15: Proportion of Household with Improved Water Source and Improved Sanitation Facility by Dzongkhag, 2017

(Percent)

Dzongkhag	Improved Water Source	Improved Sanitation Facility
Bumthang	99.8	92.3
Chhukha	99.5	91.4
Phuentsholing Thromde	100.0	100.0
Other than Phuentsholing Thromde	99.3	86.8
Dagana	100.0	91.1
Gasa	100.0	77.9
Haa	99.5	78.9
Lhuentse	100.0	92.0
Monggar	99.5	99.0
Paro	99.6	88.5
Pema Gatsel	100.0	96.3
Punakha	99.4	72.6
Samdrup Jongkhar	99.3	95.4
Samdrup Jongkhar Thromde	99.0	91.0
Other than Samdrup Jongkhar Thromde	99.4	97.0
Samtse	98.9	97.6
Sarpang	99.6	90.5
Gelephu Thromde	100.0	98.6
Other than Gelephu Thromde	99.5	88.0
Thimphu	99.5	97.0
Thimphu Thromde	99.4	98.0
Other than Thimphu Thromde	99.8	93.0
Trashigang	99.6	88.7
Trashi Yangtse	100.0	84.4
Trongsa	98.9	77.1
Tsirang	99.2	88.4
Wangdue Phodrang	100.0	83.1
Zhemgang	99.3	96.6
Total	99.5	92.0

Source: Bhutan Living Standard Survey 2017, NSB

Table 2.16: Nutritional and Vitamin 'A' Status of Children Attending Clinics by Dzongkhag, 2020

(Number)

Dzongkhag	Child Attendances						Children normal (lt/ht for age)	Children normal (wt for age)	Vit A Supplementation/Deworming				
	Children 0-6 months old		Children exclusively breastfed for 6 months	Children 0-11 months old		Children 12-59 months old			Children 6-11 months given Vitamin A	Children 12-59 months given Vitamin A	Post-partum mothers given Vitamin A	Children 12-59 months given Deworming	
	New	Old		New	Old	New							Old
Bumthang	23	220	1,021	142	2,333	47	3,580	6,134	6,192	247	1,753	121	1,622
Chhukha	535	688	1,458	1,469	6,654	1,152	10,527	19,835	20,031	874	5,204	938	4,459
Dagana	116	229	391	240	2,194	320	4,095	6,871	6,934	521	1,803	193	2,433
Gasa	23	113	127	10	322	5	671	1,104	1,095	56	323	14	283
Haa	80	320	450	60	555	107	1,226	2,480	2,460	101	436	34	412
Lhuentse	65	104	248	84	1,650	52	3,181	5,010	5,027	208	1,184	88	1,016
Monggar	205	419	885	652	4,799	53	7,711	12,662	12,836	628	3,623	603	3,292
Paro	9	661	593	658	7,268	38	9,463	17,307	17,355	679	4,506	618	3,876
Pema Gatshel	156	192	410	452	2,548	469	4,152	7,503	7,690	345	2,287	188	1,874
Punakha	91	250	424	412	2,924	375	3,607	7,765	7,156	375	1,867	146	1,453
Samdrup Jongkhar	146	833	921	194	4,060	59	7,845	12,157	12,764	458	3,165	314	2,821
Samtse	271	1,111	1,916	782	6,537	169	12,004	18,033	19,500	742	6,031	596	5,170
Sarpang	294	323	678	1,092	5,551	195	8,897	15,042	15,708	635	4,180	983	3,866
Thimphu	2,821	1,082	2,517	588	17,345	8	20,667	40,274	44,359	1,965	11,025	3,207	9,823
Trashigang	86	600	1,124	584	4,637	179	7,429	11,965	12,646	562	3,312	508	3,050
Trashiyangtse	28	199	798	177	2,128	32	3,886	6,168	6,239	241	1,777	200	1,596
Trongsa	83	248	340	57	1,758	23	3,032	5,120	5,155	212	1,376	71	1,276
Tsirang	58	381	536	125	2,831	10	4,361	7,345	7,139	408	1,793	148	1,770
Wangdue Phodrang	317	1,354	1,403	257	3,561	17	6,080	11,146	11,137	751	3,128	504	2,757
Zhemgang	99	368	334	138	1,623	78	3,282	4,933	5,087	241	1,453	92	1,261
Total	5,506	9,695	16,574	8,173	81,278	3,388	125,696	218,854	226,510	10,249	60,226	9,566	54,110

Source: Annual Health Bulletin 2021, MoH.

Table 2.17: Number of Tuberculosis Cases by Type, Sex and Age Group, 2020

TB Classification	TB Cases	0-4 Years		5-14 Years		15-24 Years		25-34 Years		35-44 Years		45-54 Years		55-64 Years		65+ Years		Total
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
Pulmonary Bacteriologically confirmed	New	1	1	1	6	56	92	63	55	22	24	38	19	15	6	25	10	434
	Relapse	0	0	0	1	7	7	10	5	6	6	6	1	0	1	2	0	52
	Previously treated(excluding relapse	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	3
	Previously treated history unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pulmonary clinically diagnosed	New	0	0	2	1	6	18	4	6	3	3	2	4	3	6	7	3	68
	Relapse	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	2
	Previously treated(excluding relapse	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
	Previously treated history unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extra-pulmonary bacteriologically confirmed	New	0	1	0	2	10	23	10	25	1	9	0	3	1	1	1	1	88
	Relapse	0	0	1	1	1	2	0	3	0	1	0	0	0	0	0	0	9
	Previously treated(excluding relapse	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	3
	Previously treated history unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ExtraPulmonary Clinically Diagnosed	New	2	1	4	7	36	45	36	32	17	17	10	10	14	2	12	5	250
	Relapse	0	0	0	0	0	0	2	1	3	0	0	1	1	0	0	0	8
	Previously treated(excluding relapse	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	Previously treated history unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total		3	3	8	19	118	187	126	128	52	63	56	38	34	17	48	19	919

Source: Annual Health Bulletin 2021, MoH.

Table 2.18: Number of Persons Morbidity Cases Availing Traditional Medicine Service by Disease Type, Sex and Age Group, 2020

Name of Diseases	0 – 8 Years		9 – 59 Years		60+ Years		Total
	Male	Female	Male	Female	Male	Female	
Baedken ned	7	6	778	1,229	399	599	3,018
Bji ned	5	12	0	1	0	0	18
Chaa baab ned	1	0	51	88	23	37	200
Chham rem	82	80	334	406	123	164	1,189
Chher ned	1	0	53	60	33	35	182
Chhin ned	0	1	558	525	149	133	1,366
Chin nyiwai ned	3	5	504	666	273	242	1,693
Chong chen gi ned	1	0	14	18	10	15	58
Chuser gi ned	8	5	527	863	343	412	2,158
Dreg ned	0	3	537	522	317	309	1,688
Drey ned	0	1	41	48	27	34	151
Druumbui ned	6	22	1,872	3,142	1,341	1,529	7,912
Go ned	10	7	1,920	3,924	654	863	7,378
Ja ned tshed thru	0	0	17	36	24	26	103
Jae jed	0	2	52	84	7	14	159
Ju ned	0	1	149	203	52	84	489
Jur pa methroe pai dhug	1	0	54	59	56	42	212
Kha ned	3	3	223	342	59	78	708
Khel ned	6	25	1,761	2,579	801	926	6,098
Long ned	1	0	122	100	46	44	313
Lowai ned	19	13	564	843	427	549	2,415
Mazhuwa	2	2	277	309	139	177	906
Menbu	0	1	12	27	10	10	60
Mig ned	0	0	83	104	35	69	291
Mo ned	0	1	0	146	0	35	182
Mo tshen ned	0	5	0	226	0	58	289
Moogpo	3	1	108	109	31	40	292
Nying ned	4	10	634	976	344	359	2,327
Nyo jed	0	0	18	24	5	4	51
Paag ned	40	31	1,172	1,245	383	355	3,226
Pho ned	24	61	3,928	6,293	1,654	2,202	14,162
Pho tshen ned	7	0	168	0	58	0	233
Remtshed	184	185	1,284	1,424	448	473	3,998
Sin ned	5	3	215	304	78	94	699
Suryia	1	0	33	100	12	30	176

cont...

Table 2.18 cont...

Name of Diseases	0 – 8 Years		9 – 59 Years		60+ Years		Total
	Male	Female	Male	Female	Male	Female	
Thra gi Nyingzer	5	9	2,028	3,167	1,172	1,638	8,019
Thru ned	1	1	24	34	9	20	89
Tren ned	0	1	62	93	32	25	213
Tsa wai ned	8	9	110	159	52	35	373
Ug medewa	1	1	176	243	140	161	722
Yama go sin	46	46	2,977	5,459	720	911	10,159
Zhang druum	2	8	861	868	246	182	2,167
mThri Ned	4	4	309	505	148	194	1,164
rLung ned	3	13	2,240	3,917	2,059	3,072	11,304
rMa chi	2	0	126	135	49	60	372
rNaawai ned	2	5	55	80	33	28	203
rTsa kar	18	46	4,678	7,163	2,750	3,245	17,900
sNa ned	6	0	186	251	73	84	600
Total	522	629	31,895	49,099	15,844	19,696	117,685

Source: Annual Health Bulletin 2021, MoH.

Table 2.19: Number of Persons availing Therapeutic Services from Traditional Medicine Service by Type, Sex and Age Group, 2020

Type	0 – 8 Year		9 – 59 Years		60+ Years		Total
	Male	Female	Male	Female	Male	Female	
Gold needle	7	98	4,574	7,374	3,443	4,406	19,902
Gold needle with Moxa	0	0	7	26	4	5	42
Silver needle	0	3	69	63	54	49	238
Blood letting	1	0	340	517	151	226	1,235
Cauterization	0	0	20	41	17	23	101
Hot oil compression	39	81	1,891	4,147	1,907	4,152	12,217
Wet cupping	0	0	165	222	39	49	475
Localized steaming	90	102	5,701	9,697	3,932	4,911	24,433
Herbal steam bath	1	0	1,164	1,606	767	1,151	4,689
Herbal bath	3	0	780	2,375	701	1,014	4,873
Nasal cleansing	26	11	800	1,373	48	92	2,350
Acupuncture	7	10	4,020	7,460	1,184	1,300	13,981
Moxabusion	0	0	24	59	15	6	104
Ginger moxa	0	4	70	64	17	21	176
Horn suction	0	0	0	2	0	1	3
Herbal ball compression	0	0	50	137	20	37	244
Herbal compression	0	0	725	1,213	318	586	2,842
Purgation	0	0	2	10	1	0	13
Emesis	0	1	1	0	0	0	2
Mild Enema	3	0	350	704	175	187	1,419
Strong enema	1	10	132	361	86	79	669
Urine analysis	0	0	197	251	92	161	701
Affusion	0	0	0	10	4	0	14
Massage	10	1	336	614	453	592	2,006
Zhey ney and lue jong	0	0	251	620	45	12	928
Other compression	0	0	5	1	24	51	81
Total	188	321	21,674	38,947	13,497	19,111	93,738

Source: Annual Health Bulletin 2021, MoH.

The modern education system in Bhutan was introduced with the initiation of economic development plans in 1961. The Education system today has three main forms: General education, Monastic education and Non-Formal education. Monastic education was the only form of education till the 1950s and continues till date. There are now an extensive network of schools and other educational institutions spread throughout the country. Many schools also provide boarding facilities for students living in areas far from the school with meals provided by the government.

Students spend a total of seven years in Primary education (PP-VI); two years in Lower Secondary (VII-VIII); two years in Middle Secondary (IX-X); and two years in Higher Secondary (XI-XII). The constitution mandates free basic education for all citizens in Bhutan till grade X. However, support for education until grade XII has been introduced by the Government in 2020. Beyond the 12th standard, students either continue their tertiary education in institutes and universities or join the vocational training institutes or enter the labour market within or outside the country. Since 2020, the official school going age for children has been revised to age five from six.

The medium of instruction in the schools are Dzongkha (national language) and English. Besides covering all the General Education Curriculum required for a particular grade, students also engage in co-curricular activities such as in sports, scouts, singing, dancing, painting, arts, etc.

Besides the modern education system, there are large numbers of traditional institutions offering education to children in Monasteries, Drupdras and Shedras.

Non-Formal Education (NFE) programme has gained widespread popularity as an effective programme for providing basic literacy, numeracy and functional skills among the adult population. It was first established formally in 1992. Basic reading, writing and numeric skills are taught to enhance their livelihood and better manage day-to-day activities.

Recognizing that education is the fundamental link to national progress, the Royal Government of Bhutan has always emphasized education as one of the priority sectors. Although Bhutan has achieved tremendous progress in the field of education, new priority areas are emerging such as in improving quality and inclusiveness, adaptive and digital learning, emphasis on learning instead of classroom teaching, gearing learning towards emerging jobs, improving the learning facilities and enhancement of ECCD enrollment and facilities.

The statistics presented in this chapter provides an overview of Bhutan's current education scenario and includes key education indicators, number of schools, institutes, colleges, students, teachers and lecturers.

CONCEPTS AND DEFINITION

Gross Enrolment Ratio ECCD : Total Enrolment in ECCD regardless of ages expressed as a percent age of the population of the official age (3-5yrs old).

Apparent Intake Rate :	Total number of new entrants in PP expressed as a percentage of the official school going aged population (5yr old pop).
Net Intake Rate :	Total number of 5-year-old new entrants in PP expressed as a percentage of the official school going aged population (5yr old pop).
Net Enrolment Rate Primary :	The number of pupils of official primary school age who are enrolled in primary education as a percentage of the total children of the official school age population.
Adjusted Net Enrolment Rate (5-12 years) :	The number of pupils of official primary school age (5-12yrs) enrolled in any level or form of education expressed as a percentage of the total children of the official primary school age population
Net Enrolment Rate Basic (PP-X) :	The net enrolment ratio is the number of boys and girls of the age of a particular level of education that are enrolled in that level of education, expressed as a percentage of the total population in that age group.
Gross Enrolment Ratio :	Number of students enrolled in a given level of education, regardless of age, expressed as a percentage of the official school-age population corresponding to the same level of education.
Repetition Rate (Primary) :	Proportion of pupils from a cohort enrolled in a given grade at a given school year of primary or secondary education who study in the same grade in the following school year.
Dropout Rate (Primary) :	Proportion of students that fail to complete education in that grade and are not currently attending any educational institution.
Primary Completion Rate :	The primary completion rate is the ratio of the total number of students successfully completing (or graduating from) the last year of primary school in a given year to the total number of children of official graduation age in the population.
Survival rate to grade :	Percentage of a cohort of students enrolled in a given grade in a given school year who are expected to reach a given grade, regardless of repetition.
Transition rate :	New entrants to the first grade of a given school level, expressed as a percentage of the number of pupils enrolled in the final grade of given level of education in the previous year.

Table 3.1: Key Education Indicators by Year, 2017 - 2021

(Percent)

Indicators	2017	2018	2019	2020	2021
Net Enrolment Rate ECCD	21.80	19.20	20.50	23.71	27.81
Net Enrolment Rate Primary (PP-VI)	94.80	92.90	91.20	92.94	93.51
Net Enrolment Rate Basic (PP-X)	95.70	91.30	89.80	90.56	90.57
Net Enrolment Rate Secondary (VII-X)	70.10	67.30	74.10	75.71	75.26
Gross Enrolment Ratio ECCD	21.80	23.40	25.30	24.19	31.81
Gross Enrolment Ratio Primary	109.90	105.60	101.80	108.80	96.50
Gross Enrolment Ratio Basic (PP-X)	108.80	103.00	100.30	103.32	90.10
Gross Enrolment Ratio Secondary (Class VII-XII)	106.90	99.00	93.30	93.09	92.46
Gross Enrolment Ratio Higher Secondary (XI-XII)	76.20	69.90	83.96	89.81	92.44
Gross Enrolment Ratio Tertiary within Bhutan (19-23 years)	27.50	27.50	16.80	17.87	18.90
Gross Enrolment Ratio Tertiary within Bhutan and outside Bhutan (19-23 years)	35.80	41.60	24.90	23.58	25.11
Adjusted Net Enrolment Rate (5-11years) ¹	98.80	96.80	96.50	99.37	99.88
Net Intake Rate	62.70	63.40	56.40	51.85	79.20
Apparent Intake Rate	92.20	102.70	98.70	138.90	100.74
BCSE Pass Percentage	95.70	96.20	96.60	93.63	96.57
BHSEC Pass Percentage	84.80	91.50	86.78	91.55	90.63
Repetition Rate (Primary)	4.50	7.10	7.90	7.80	5.40
Dropout Rate (Primary)	1.30	2.30	1.50	1.40	3.20
Primary Completion Rate	107.30	99.70	87.50	89.95	81.20
Basic Completion rate(grade X)	97.10	94.80	93.50	...	83.50
Survival rate to grade VI	90.80	84.60	83.20	86.80	80.80
Survival rate to grade X	78.10	74.90	79.90	84.30	72.70
Transition rate (Primary to Lower secondary)	97.10	95.40	93.80	106.14	89.09
Transition rate (Lower Secondary to Middle Secondary)	93.00	90.10	87.10	99.11	88.55
Transition rate (Middle Secondary to Higher Secondary)	73.60	72.20	89.70	89.49	83.74

Note: ¹from 2021 onwards the children were enrolled in schools from 5 years (before 2021, the Primary level was from 6-12 years)

- ECCD (Early Childhood Care and Development)

Source: Annual Education Statistics 2021, MoE

Table 3.2: Number of Schools, Institutes and Centres, 2021

School/Institutes/Centres	Government	Private	Total
Early Childhood Development			
ECCD Centres ¹	432	60	492
Schools Education			
Extended Classrooms	70	0	70
Primary Schools	306	14	320
Lower Secondary Schools	58	1	59
Middle Secondary Schools	64	1	65
Higher Secondary Schools	69	20	89
Special Institutes	2	0	2
Central Schools ²	64	0	64
Autonomous Schools	69	0	69
Schools with SEN Program	29		29
Sub-total	731	36	767
Tertiary Education			
Tertiary Institutes within Bhutan	15	3	18
Technical Training Institutes			
Technical/Vocational Institutes	6	0	6
Institute of Zorig Chusum	2	0	2
Sub-total	8	0	8
Other Forms of Education			
Monastic Education (Lobdra, Shedra, etc) ³	184	...	184
Continuing Education Centres	0	1	1
Non-Formal Education Centres ⁴	505	0	505
Sub-total	689	1	690

Note: ¹Private ECCD includes ECCD under NGO, Private & Corporation.

²Central Schools and Autonomous School already counted under general Schools.

³The figures are extracted from AES 2019, MoE since the information for 2020 is not available.

⁴The Non-Formal Education Centers include Community Learning Centers as well.

Source: Education Management Information System, MoE.

Table 3.3: Number of ECCD and Children by Dzongkhag, 2021

Dzongkhag	ECCD Centres	Children Enrolled
Bumthang	13	310
Chhukha	30	768
Phuentsholing Thromde	0	0
Other than Phuentsholing Thromde	30	768
Dagana	20	457
Gasa	4	106
Haa	9	184
Lhuentse	24	390
Monggar	52	859
Paro	17	549
Pema Gatshel	23	271
Punakha	22	403
Samdrup Jongkhar	40	686
Samdrup Jongkhar Thromde	36	180
Other than Samdrup Jongkhar Thromde	4	506
Samtse	32	637
Sarpang	24	647
Gelephu Thromde	2	95
Other than Gelephu Thromde	22	552
Thimphu	42	1,454
Thimphu Thromde	29	1,176
Other than Thimphu Thromde	13	278
Trashigang	46	950
Trashi Yangtse	20	335
Trongsa	18	390
Tsirang	13	251
Wangdue Phodrang	22	619
Zhemgang	21	396
Total	628	14,217

Source: Education Management Information System, MoE.

Table 3.4: Number of Students, Learners, Trainees and Novitiates, 2021

Details	Government			Private			Total	
	Female	Male	Both Sex	Female	Male	Both Sex	Female	Both Sex
Early Childhood Development								
ECCD Centres	4,396	4,519	8,915	798	949	1,747	5,194	10,662
School Education								
Extended Classroom	868	808	1,676	0	0	0	868	1,676
Primary Schools	20,572	20,540	41,112	834	945	1,779	21,406	42,891
Lower Secondary Schools	12,116	11,592	23,708	70	91	161	12,186	23,869
Middle Secondary Schools	20,987	20,379	41,366	274	292	566	21,261	41,932
Higher Secondary Schools	25,914	22,882	48,796	4,646	4,383	9,029	30,560	57,825
Special Institutes	56	71	127	0	0	0	56	127
Central Schools ¹	18,639	21,286	39,925	0	0	0	18,639	39,925
SEN Students ²	441	307	748	0	0	0	441	748
Sub-total	99,593	97,865	197,458	5,824	5,711	11,535	105,417	208,993
Tertiary Education								
Tertiary Students within Bhutan	5,263	6,025	11,288	878	666	1,544	6,141	12,832
Tertiary Students abroad ³	814	991	1,805	1,217	1,194	2,411	2,031	4,216
Sub--total	6,077	7,016	13,093	2,095	1,860	3,955	8,172	17,048
Technical Training Institutes								
Technical & Vocational Education and Training	200	660	860	0	0	0	200	860
Institute of Zorig Chusum	83	182	265	0	0	0	83	265
Sub-total	283	842	1,125	0	0	0	283	1,125
Other Forms of Education								
Monastic Education (Lobdra, Shedra,etc) ⁴	NA	7,390	7,390	0	0	0	0	7,390

cont...

Table 3.4 cont...

Details	Government			Private			Total		
	Female	Male	Both Sex	Female	Male	Both Sex	Female	Male	Both Sex
Continuing Education	0	0	0	93	74	167	93	74	167
Non-Formal Education Centres	3,890	1,439	5,329	0	0	0	3,890	1,439	5,329
Sub-total	3,890	8,829	12,719	93	74	167	3,983	8,903	12,886

Note: ¹Central School students already included under general Schools;

²Included Special Institutes students

³For tertiary students abroad, under the government category, it includes students who are on various scholar ships administered by DAHE and other organizations.

⁴The figures are extracted from AES 2019, MoE since the information for 2020 is not available.

Source: Annual Education Statistics 2021, MoE.

Table 3.5: Number of Teachers, Lecturers, Instructors, Trainers and Facilitators, 2021

Details	Government			Private			Total		
	Female	Male	Both Sex	Female	Male	Both Sex	Female	Male	Both Sex
Early Childhood Development									
ECCD Centres	663	42	705	201	4	205	864	46	910
School Education									
Extended Classroom	25	100	125	0	0	0	25	100	125
Primary Schools	1,006	1,489	2,495	115	52	167	1,121	1,541	2,662
Lower Secondary Schools	666	727	1,393	10	5	15	676	732	1,408
Middle Secondary Schools	1,034	1,305	2,339	22	22	44	1,056	1,327	2,383
Higher Secondary Schools	1,069	1,678	2,747	208	305	513	1,277	1,983	3,260
Special Institutes	18	24	42	0	0	0	18	24	42
Sub-total	3,818	5,323	9,141	355	384	739	4,173	5,707	9,880
Tertiary Education									
Tertiary Institutes within Bhutan	206	466	672	45	68	113	251	534	785
Technical Training Institutes									
Technical/Vocational Institutes	44	74	118	0	0	0	44	74	118
Institutes of Zorig Chusum	11	36	47	0	0	0	11	36	47
Sub-total	55	110	165	0	0	0	55	110	165
Other Forms of Education									
Monastic Education	...	...	...	...	...	...	...	...	...
Non-Formal Education Centres	339	137	476	0	0	0	339	137	476

Note: SEN (Special Education Need) teachers are already counted in other school levels.

Source: Annual Education Statistics 2021, MoE.

Table 3.6: Enrolment in Institutions and at Tertiary level, 2017 - 2021

Institutions	Ownership	2017	2018	2019	2020	2021
Royal University of Bhutan		9,914	10,460	10,793	11,365	11,696
College of Natural Resources	Government	660	667	991	969	1,047
College of Science and Technology	Government	1,002	1,060	938	994	885
College of Language and Cultural Studies	Government	1,247	1,262	1,158	1,117	1,104
Jigme Namgyel Engineering College	Government	861	889	721	694	1,479
Paro College of Education	Government	1,531	969	1,594	1,589	1,529
Samtse College of Education	Government	1,154	1,159	741	913	750
Sherubtse College	Government	1,843	1,638	1,578	1,618	1,528
Gedu College of Business Studies	Government	1,412	1,426	1,619	1,624	1,621
Gyalpo College of Information Technology	Government	80	79	264	265	284
Royal Thimphu College	Private	...	1,188	983	1,203	1,203
Norbuling Rigter College	Private	92	91	162	335	236
Yonphula Centenary College	Government	32	32	44	44	30
Khesar Gyalpo University of Medical Sciences		...	600	628	686	759
Faculty of Nursing and Public Health	Government	...	429	469	486	510
Faculty of Traditional Medicine	Government	...	89	91	79	83
Faculty of Postgraduate Medicine	Government	...	30	36	49	61
Arura Academy of Health Sciences	Private	54	52	32	72	105
Autonomous Institutes		25	187	360	246	321
Royal Institute of Management	Government	...	162	298	203	234
Jigme Singye Wangchuck School of Law	Government	25	25	62	43	87
Vocational Institutes		1,307	1,460	1,690	555	1,125
TTI, Chumey	Government	177	195	241	63	196
TTI, Khuruthang	Government	226	209	240	94	135

cont...

Table 3.6 cont...

Institutions	Ownership	2017	2018	2019	2020	2021
TTL, Rangjung	Government	174	180	183	67	63
TTL, Samthang	Government	129	141	154	89	118
JWPTI, Dekiling	Government	56	206	301	41	203
TTL, Thimphu	Government	73	76	79	127	145
Zorig Chusum, Thimphu	Government	308	245	295	5	147
Zorig Chusum, Trashi Yangtse	Government	164	208	197	69	118

Notes: TTL (Technical Training Institute); JWPTI (Jigme Wangchuck Power Training Institute)

Source: State of Tertiary Education (STE) 2020, DAHE, MoE

Table 3.7: Number of Schools by Type and Dzongkhag, 2021

Dzongkhag	Public			
	Extended Classrooms	Primary Schools	Lower Secondary Schools	
Bumthang	2	12	1	
Chhukha	5	25	3	
Phuentsholing Thromde	0	0	1	
Other than Phuentsholing Thromde	5	25	2	
Dagana	3	14	3	
Gasa	3	2	0	
Haa	1	5	2	
Lhuentse	2	10	2	
Monggar	14	22	2	
Paro	0	7	5	
Pema Gatshel	3	13	4	
Punakha	6	10	3	
Samdrup Jongkhar	5	16	2	
Samdrup Jongkhar Thromde	0	2	0	
Other than Samdrup Jongkhar Thromde	5	14	2	
Samtse	12	20	7	
Sarpang	2	11	1	
Gelephu Thromde	0	0	1	
Other than Gelephu Thromde	2	11	0	
Thimphu	0	13	4	
Thimphu Thromde	0	6	3	
Other than Thimphu Thromde	0	7	1	
Trashigang	3	35	8	
Trashigang Yangtse	0	19	6	
Trongsa	2	14	1	
Tsirang	1	12	0	
Wangdue Phodrang	6	23	1	
Zhemgang	0	23	3	
Total	70	306	58	

Note: Includes SEN (Special Education Need) Schools

Source: Education Management and Information System, MoE.

		Private			
Middle Secondary Schools	Higher Secondary Schools	Primary Schools	Lower Secondary Schools	Middle Secondary Schools	Higher Secondary Schools
3	1	0	0	0	1
9	4	0	0	0	2
2	1	0	0	0	2
7	3	0	0	0	0
3	3	0	0	0	0
1	1	0	0	0	0
0	2	0	0	0	1
2	2	0	0	0	0
5	5	0	0	0	1
2	6	4	1	0	4
3	3	0	0	0	0
2	4	0	0	0	1
4	5	1	0	0	1
0	1	1	0	0	1
4	4	0	0	0	0
2	5	0	0	0	0
7	4	0	0	0	2
1	1	0	0	0	1
6	3	0	0	0	1
8	6	9	0	1	7
6	4	8	0	1	6
2	2	1	0	0	1
6	5	0	0	0	0
2	2	0	0	0	0
0	4	0	0	0	0
2	2	0	0	0	0
1	3	0	0	0	0
2	2	0	0	0	0
64	69	14	1	1	20

Table 3.8: Number of Students by Type, School level and Dzongkhag, 2021

Dzongkhag	Government			
	Extended Classrooms	Primary Schools	Lower Secondary Schools	
Bumthang	37	1,215	918	
Chhukha	87	2,337	1,817	
Phuentsholing Thromde	0	0	1,134	
Other than Phuentsholing Thromde	87	2,337	683	
Dagana	86	1,663	599	
Gasa	73	178	0	
Haa	32	683	943	
Lhuentse	49	906	396	
Monggar	283	2,125	483	
Paro	0	1,687	2,884	
Pema Gatshel	59	1,057	863	
Punakha	86	1,364	1,258	
Samdrup Jongkhar	136	2,919	614	
Samdrup Jongkhar Thromde	0	1,392	0	
Other than Samdrup Jongkhar Thromde	136	1,527	614	
Samtse	383	3,228	3,660	
Sarpang	65	1,544	1,326	
Gelephu Thromde	0	0	1,326	
Other than Gelephu Thromde	65	1,544	0	
Thimphu	0	5,789	2,953	
Thimphu Thromde	0	5,126	2,664	
Other than Thimphu Thromde	0	663	289	
Trashigang	64	3,328	1,930	
Trashy Yangtse	0	1,158	1,696	
Trongsa	32	1,469	308	
Tsirang	27	1,974	0	
Wangdue Phodrang	177	4,834	305	
Zhemgang	0	1,654	755	
Total	1,676	41,112	23,708	

Note: Includes SEN (Special Education Need) Schools

Source: Education Management and Information System, MoE.

		Private			
Middle Secondary Schools	Higher Secondary Schools	Primary Schools	Lower Secondary Schools	Middle Secondary Schools	Higher Secondary Schools
1,240	743	0	0	0	183
6,346	3,270	0	0	0	751
1,826	825	0	0	0	751
4,520	2,445	0	0	0	0
2,050	1,948	0	0	0	0
185	511	0	0	0	0
0	1,487	0	0	0	448
823	1,253	0	0	0	0
2,862	3,702	0	0	0	225
1,245	3,481	321	161	0	1,480
1,910	1,728	0	0	0	0
1,715	2,000	0	0	0	1,040
2,036	2,444	26	0	0	201
0	314	26	0	0	201
2,036	2,130	0	0	0	
1,367	5,746	0	0	0	
3,895	3,563	0	0	0	967
590	852	0	0	0	394
3,305	2,711	0	0	0	573
9,040	5,678	1,432	0	566	3,464
7,586	4,642	1,269	0	566	2,683
1,454	1,036	163	0	0	781
2,524	2,629	0	0	0	0
578	1,483	0	0	0	0
0	1,708	0	0	0	0
1,937	1,869	0	0	0	0
679	2,536	0	0	0	0
934	1,287	0	0	0	0
41,366	49,066	1,779	161	566	8,759

Table 3.9: Comparative Enrolment by Grade and Schools, 2020- 2021

Class	Private Schools				Extended Classroom				Primary School				
	2020	2021	+ or -	%	2020	2021	+ or -	%	2020	2021	+ or -	%	
PP	602	795	193	32	614	413	(201)	(33)	7,871	6,122	(1,749)	(22)	
I	696	475	(221)	(32)	417	583	166	40	5,814	7,510	1,696	29	
II	591	513	(78)	(13)	398	348	(50)	(13)	6,318	5,752	(566)	(9)	
III	478	491	13	3	284	332	48	17	5,841	6,137	296	5	
IV	387	388	1	0	19	0	(19)	(100)	6,114	5,739	(375)	(6)	
V	376	352	(24)	(6)	0	0	0	0	5,917	5,895	(22)	0	
VI	310	328	18	6	0	0	0	0	5,290	5,736	446	8	
Sub Total	3,440	3,342	(98)	(3)	1732	1676	(56)	(3)	43,165	42,891	(274)	(1)	
VII	161	192	31	19	0	0	0	0	0	0	0	0	
VIII	157	166	9	6	0	0	0	0	0	0	0	0	
Sub Total	318	358	40	13	0	0	0	0	0	0	0	0	
IX	210	213	3	1	0	0	0	0	0	0	0	0	
X	197	268	71	36	0	0	0	0	0	0	0	0	
Sub Total	407	481	74	18	0	0	0	0	0	0	0	0	
XI	2,213	2,606	393	18	0	0	0	0	0	0	0	0	
XII	5,861	4,478	(1,383)	(24)	0	0	0	0	0	0	0	0	
Sub Total	8,074	7,084	(990)	(12)	0	0	0	0	0	0	0	0	
VII-X	725	839	114	16	0	0	0	0	0	0	0	0	
Total	12,239	11,265	(974)	(8)	1732	1676	(56)	(3)	43,165	42,891	(274)	(1)	

Note: Inclusive of SEN (Special Education Need) Students

Source: Annual Education Statistics 2021, MoE.

Lower & Middle Secondary				Higher Secondary Schools				Total			
2020	2021	+ or -	%	2020	2021	+ or -	%	2020	2021	+ or -	%
6,806	5,015	(1,791)	(26)	1,297	1,229	(68)	(5)	16,591	12,786	(3,805)	(23)
5,206	6,312	1,106	21	1,100	1,507	407	37	12,541	15,918	3,377	27
5,556	5,019	(537)	(10)	1,061	1,249	188	18	13,338	12,381	(957)	(7)
5,483	5,385	(98)	(2)	1,010	1,213	203	20	12,619	13,077	458	4
6,097	5,472	(625)	(10)	1,230	1,204	(26)	(2)	13,465	12,425	(1,040)	(8)
6,067	5,764	(303)	(5)	1,280	1,407	127	10	13,265	13,081	(184)	(1)
5,758	5,770	12	0	1,291	1,430	139	11	12,346	12,953	607	5
40,973	38,737	(2,236)	(5)	8,269	9,239	970	12	94,165	92,621	(1,544)	(2)
9,006	8,190	(816)	(9)	3,497	3,855	358	10	12,503	12,054	(449)	(4)
9,226	8,130	(1,096)	(12)	3,570	4,016	446	12	12,796	12,156	(640)	(5)
18,232	16,320	(1,912)	(10)	7,067	7,871	804	11	25,299	24,210	(1,089)	(4)
6,325	5,621	(704)	(11)	7,305	7,294	(11)	0	13,630	12,924	(706)	(5)
5,449	5,123	(326)	(6)	7,734	7,834	100	1	13,183	12,968	(215)	(2)
11,774	10,744	(1,030)	(9)	15,039	15,128	89	1	26,813	25,892	(921)	(3)
0	0	0	0	11,527	12,239	712	6	11,527	12,246	719	6
0	0	0	0	13,002	13,348	346	3	13,002	13,355	353	3
0	0	0	0	24,529	25,587	1,058	4	24,529	25,601	1,072	4
30,006	27,064	(2,942)	(10)	22,106	22,999	893	4	52,112	50,102	(2,010)	(4)
70,979	65,801	(5,178)	(7)	54,904	57,825	2,921	5	170,806	168,324	(2,482)	(1)

Table 3.10: Number of Students by Grade, 2016 - 2021

Grade	2016	2017	2018	2019	2020	2021
Primary grade		94,184	92,298	89,894	94,165	92,621
PP	96,654	13,249	13,681	11,852	16,591	12,786
I	13,645	13,390	13,113	13,482	12,541	15,918
II	13,304	13,696	13,336	13,061	13,338	12,381
III	12,150	12,812	13,165	12,767	12,619	13,077
IV	14,511	13,312	13,666	13,944	13,465	12,425
V	15,071	13,602	12,546	13,008	13,265	13,081
VI	14,408	14,123	12,791	11,780	12,346	12,953
Lower Secondary grade	29,353	29,296	28,989	27,454	25,299	24,210
VII	15,490	15,298	14,933	13,702	12,503	12,054
VIII	13,863	13,998	14,056	13,752	12,796	12,156
Middle Secondary grade	25,382	25,682	26,338	26,767	26,813	25,892
IX	13,389	13,624	13,828	13,886	13,630	12,924
X	11,993	12,058	12,510	12,881	13,183	12,968
Higher Secondary school	18,171	18,930	19,483	22,671	24,529	25,601
XI	8,086	8,919	8,882	11,750	11,527	12,246
XII	10,085	10,011	10,601	10,921	13,002	13,355
Total	169,560	168,092	167,108	166,786	170,806	168,324

Note: Inclusive of SEN students

Source: Education Management Information System, MoE.

The economy of Bhutan is characterized by the predominance of people engaged in self-employment, particularly those working on their own land. There are also good deals of small and cottage industries operated from home. The number of persons working for wages is relatively small.

Statistics on labour force and its characteristics are not only vital for planning for human resource development but also estimating labour demand and supply projections. Basically, it measures the involvement of people in economic activities. Information related to labour and employment is essential in identifying the priority sectors. Furthermore, it is vital for designing government programs and strategies in order to mobilize country's labour force towards economic development and prosperity.

The primary source of data on labour and employment is the Labour Force Survey, which is conducted annually, and captures employment in both formal and informal sector. Other key indicators pertaining to labour market, civil servant, labour supply and demand are also included in this chapter.

CONCEPTS AND DEFINITIONS:

Working-age population:	All Persons aged 15 years and above are included in the working-age population.
Labour force:	Total number of persons who are available for the production of goods and services.
Unemployed person:	A person who is without work, looking for job and available for job during the reference period.
Employed person:	A Person who works as paid employee, own account worker and contributing family worker during the reference period.
Job seeker:	Job seeker is a person without work and looking for employment.
Job Portal system:	It is a web-based online system where job seekers can register to avail services provided by Ministry of Labour and Human Resources.
Placement:	Services provided by the MoLHR in finding a job for a registered jobseeker.
Labour Force Participation Rate:	Total labour force divided by working age population (15 years and above)
Unemployment rate:	Total number of unemployed persons divided by Total Labour force.
Employment Rate:	Total employed persons divided by total labour force.

Table 4.1.1: Key Labour Market Indicators 2018 - 2020

Indicators	2018			2019			2020		
	Male	Female	Both Sex	Male	Female	Both Sex	Male	Female	Both Sex
Working Age Population (15 and above)	241,429	255,122	496,550	235,466	246,354	481,821	233,844	254,492	488,336
Labour Force Participation Rate (%)	70.14	55.47	62.60	71.80	61.20	66.40	72.50	63.50	67.80
Employment Rate (%)	97.32	95.85	96.65	97.76	96.74	97.28	95.90	94.00	95.00
Unemployment Rate (%)	2.70	4.20	3.40	2.20	3.30	2.70	4.13	5.97	5.03
Youth Unemployment Rate (%)	15.40	16.10	15.70	9.70	13.80	11.90	19.20	25.40	22.60

Source: *Labour Force Survey Reports*, NSB

Table 4.1.2: Number of Working Age Popuation by Age Group, Area and Sex, 2019 - 2020

Area	Age group	2019			2020		
		Male	Female	Both Sex	Male	Female	Both Sex
Urban	15-19	9,290	11,207	20,497	9,897	11,078	20,975
	20-24	8,365	10,212	18,577	9,135	11,843	20,978
	25-29	11,240	13,882	25,122	10,365	13,397	23,762
	30-34	11,331	13,035	24,366	10,463	13,610	24,072
	35-39	10,000	10,516	20,516	10,702	10,806	21,507
	40-44	7,609	6,622	14,230	8,109	7,489	15,597
	45-49	5,634	4,600	10,234	5,824	5,613	11,438
	50-54	4,394	3,943	8,337	5,197	3,791	8,988
	55-59	2,472	2,169	4,640	2,232	2,125	4,357
	60-64	1,695	2,164	3,859	1,903	1,858	3,761
	65 and above	3,451	4,002	7,453	3,908	4,221	8,129
Rural	15-19	22,986	22,135	45,121	19,849	20,103	39,952
	20-24	16,163	14,692	30,855	14,822	16,036	30,859
	25-29	15,788	16,205	31,993	14,673	15,910	30,583
	30-34	13,691	17,236	30,927	15,064	16,912	31,977
	35-39	14,477	15,553	30,030	13,979	17,231	31,209
	40-44	12,555	13,125	25,680	13,132	14,236	27,368
	45-49	11,290	12,886	24,176	11,925	13,835	25,760
	50-54	11,035	12,457	23,493	11,273	13,500	24,773
	55-59	10,109	11,074	21,183	9,254	10,186	19,439
	60-64	10,597	9,436	20,033	9,512	9,167	18,679
	65 and above	21,294	19,203	40,497	22,627	21,547	44,173
Total	15-19	32,276	33,342	65,618	29,745	31,181	60,927
	20-24	24,528	24,904	49,432	23,958	27,879	51,837
	25-29	27,029	30,087	57,115	25,038	29,307	54,345
	30-34	25,022	30,271	55,293	25,527	30,522	56,049
	35-39	24,477	26,069	50,547	24,680	28,036	52,717
	40-44	20,164	19,746	39,910	21,240	21,725	42,965
	45-49	16,924	17,486	34,410	17,749	19,448	37,197
	50-54	15,429	16,400	31,829	16,470	17,291	33,760
	55-59	12,581	13,243	25,823	11,486	12,311	23,796
	60-64	12,292	11,600	23,891	11,416	11,025	22,440
	65 and above	24,745	23,205	47,950	26,535	25,767	52,302

Note: Figures may not add upto the totals because of rounding

Source: Labour Force Survey Reports, NSB.

Table 4.1.3: Labour Force Participation Rate (%) by Area, Age Group and Sex, 2019 - 2020

Area	Age Group	Number				Percent			
		2019		2020		2019		2020	
		Male	Female	Male	Female	Male	Female	Male	Female
Urban	15-19	464	595	898	669	5.00	5.30	6.60	6.00
	20-24	4,751	4,915	7,528	6,426	56.80	48.10	53.40	54.30
	25-29	10,252	9,161	16,274	10,106	91.20	66.00	88.80	75.40
	30-34	10,953	8,690	17,791	9,584	96.70	66.70	92.10	70.40
	35-39	9,584	6,815	17,143	7,994	95.80	64.80	94.20	74.00
	40-44	7,347	4,262	12,748	5,421	96.60	64.40	95.90	72.40
	45-49	5,427	2,549	8,930	3,516	96.30	55.40	97.40	62.60
	50-54	4,101	1,939	6,718	2,063	93.30	49.20	93.20	54.40
	55-59	1,980	775	2,676	871	80.10	35.80	82.80	41.00
	60-64	1,160	658	1,653	604	68.50	30.40	58.00	32.50
	65 and above	1,095	401	1,798	521	31.70	10.00	32.70	12.30
Rural	15-19	2,034	1,797	1,452	1,512	8.90	8.10	7.30	7.50
	20-24	7,490	8,553	6,969	8,094	46.30	58.20	47.00	50.50
	25-29	13,152	13,007	12,656	12,912	83.30	80.30	86.30	81.20
	30-34	12,667	15,065	14,207	14,783	92.50	87.40	94.30	87.40
	35-39	13,935	13,808	13,343	15,126	96.30	88.80	95.50	87.80
	40-44	12,105	11,575	12,797	13,087	96.40	88.20	97.40	91.90
	45-49	10,884	11,528	11,567	12,405	96.40	89.50	97.00	89.70
	50-54	10,375	10,898	10,683	12,037	94.00	87.50	94.80	89.20
	55-59	9,472	9,458	8,672	8,618	93.70	85.40	93.70	84.60
	60-64	9,262	7,089	8,364	7,253	87.40	75.10	87.90	79.10
	65 and above	10,610	7,116	11,880	8,062	49.80	37.10	52.50	37.40
Total	15-19	2,498	2,391	2,106	2,179	7.70	7.20	7.10	7.00
	20-24	12,241	13,468	11,846	14,521	49.90	54.10	49.40	52.10
	25-29	23,403	22,167	21,858	23,018	86.60	73.70	87.30	78.50
	30-34	23,620	23,754	23,843	24,366	94.40	78.50	93.40	79.80
	35-39	23,519	20,623	23,419	23,120	96.10	79.10	94.90	82.50
	40-44	19,452	15,837	20,575	18,508	96.50	80.20	96.90	85.20
	45-49	16,312	14,078	17,242	15,921	96.40	80.50	97.10	81.90
	50-54	14,476	12,836	15,525	14,100	93.80	78.30	94.30	81.50
	55-59	11,452	10,234	10,519	9,489	91.00	77.30	91.60	77.10
	60-64	10,423	7,747	9,468	7,857	84.80	66.80	82.90	71.30
	65 and above	11,705	7,517	13,156	8,584	47.30	32.40	49.60	33.30

Note: Figures may not add up to the totals because of rounding

Source: Labour Force Survey Reports, NSB.

Table 4.1.4: Employment and Unemployment Rate (%) by Area, Age Group and Sex, 2020

Area	Age Group	Number				Percent			
		Employed		Unemployed		Employment Rate (%)		Unemployment Rate (%)	
		Male	Female	Male	Female	Male	Female	Male	Female
Urban	15-19	408	490	246	179	62.40	73.30	37.60	26.70
	20-24	3,544	3,984	1,334	2,442	72.70	62.00	27.30	38.00
	25-29	8,201	8,073	1,002	2,033	89.10	79.90	10.90	20.10
	30-34	8,901	8,890	734	694	92.40	92.80	7.60	7.20
	35-39	9,740	7,403	335	591	96.70	92.60	3.30	7.40
	40-44	7,590	5,158	190	263	97.60	95.20	2.40	4.80
	45-49	5,570	3,360	104	156	98.20	95.60	1.80	4.40
	50-54	4,712	2,006	130	57	97.30	97.20	2.70	2.80
	55-59	1,805	871	42	0	97.70	100.00	2.30	0.00
	60-64	1,049	604	55	0	95.00	100.00	5.00	0.00
	65 and above	1,277	521	0	0	100.00	100.00	0.00	0.00
Rural	15-19	1,359	1,150	93	362	93.60	76.10	6.40	23.90
	20-24	5,966	6,831	1,003	1,263	85.60	84.40	14.40	15.60
	25-29	11,884	12,097	772	815	93.90	93.70	6.10	6.30
	30-34	13,916	14,475	291	308	97.90	97.90	2.10	2.10
	35-39	13,203	14,915	140	211	99.00	98.60	1.00	1.40
	40-44	12,539	12,922	258	165	98.00	98.70	2.00	1.30
	45-49	11,403	12,334	164	71	98.60	99.40	1.40	0.60
	50-54	10,656	11,990	27	47	99.80	99.60	0.20	0.40
	55-59	8,642	8,618	30	0	99.70	100.00	0.30	0.00
	60-64	8,310	7,253	54	0	99.40	100.00	0.60	0.00
	65 and above	11,880	8,062	0	0	100.00	100.00	0.00	0.00
Total	15-19	1,767	1,639	339	540	83.90	75.20	16.10	24.80
	20-24	9,509	10,816	2,337	3,705	80.30	74.50	19.70	25.50
	25-29	20,085	20,170	1,773	2,848	91.90	87.60	8.10	12.40
	30-34	22,817	23,364	1,026	1,002	95.70	95.90	4.30	4.10
	35-39	22,944	22,318	475	802	98.00	96.50	2.00	3.50
	40-44	20,128	18,080	447	428	97.80	97.70	2.20	2.30
	45-49	16,974	15,694	268	227	98.40	98.60	1.60	1.40
	50-54	15,368	13,996	157	104	99.00	99.30	1.00	0.70
	55-59	10,447	9,489	72	0	99.30	100.00	0.70	0.00
	60-64	9,359	7,857	109	0	98.80	100.00	1.20	0.00
	65 and above	13,156	8,584	0	0	100.00	100.00	0.00	0.00

Note: Figures may not add upto the totals because of rounding

Source: Labour Force Survey Reports, NSB.

Table 4.1.5: Labour Force Participation Rate by Dzongkhag and Sex, 2020

Dzongkhag	Number			Labour Force Participation Rate (%)		
	Male	Female	Total	Male	Female	Total
Bumthang	3,766	4,015	7,781	70.70	67.20	68.90
Chhukha	15,650	12,779	28,429	74.70	56.90	65.50
Dagana	6,732	6,825	13,557	72.70	65.60	68.90
Gasa	794	623	1,417	70.30	59.90	65.30
Haa	3,036	3,084	6,120	73.50	68.90	71.10
Lhuentse	3,161	3,691	6,851	72.00	71.70	71.90
Monggar	8,988	9,798	18,786	79.00	74.20	76.40
Paro	10,153	9,990	20,143	70.50	63.00	66.60
Pema Gatshel	6,133	5,698	11,831	72.10	62.80	67.30
Punakha	6,024	6,053	12,076	68.80	59.20	63.60
Samdrup Jongkhar	8,294	7,681	15,975	74.90	67.40	71.10
Samtse	18,413	16,602	35,015	80.30	71.10	75.60
Sarpang	11,071	11,191	22,262	66.00	63.80	64.90
Thimphu	29,910	25,858	55,769	69.90	53.70	61.30
Trashigang	10,494	9,931	20,425	77.60	69.90	73.70
Trashiyangtse	3,921	4,351	8,272	63.30	61.70	62.40
Trongsa	3,571	4,036	7,607	71.70	67.00	69.20
Tsirang	6,079	5,396	11,474	76.10	66.20	71.10
Wangdue Phodrang	9,229	9,473	18,702	66.60	64.40	65.50
Zhemgang	4,140	4,590	8,730	75.20	76.10	75.70
Total	169,558	161,664	331,222	72.50	63.50	67.80

Note: Figures may not add upto the totals because of rounding

Source: Labour Force Survey Report 2019, NSB.

Table 4.1.6: Number of Unemployed by Dzongkhag and Sex, 2020

Dzongkhag	Number			Unemployment Rate (%)		
	Male	Female	Total	Male	Female	Total
Bumthang	139	109	248	3.70	2.70	3.20
Chhukha	753	884	1,637	4.80	6.90	5.80
Dagana	199	286	485	3.00	4.20	3.60
Gasa	16	16	33	2.10	2.60	2.30
Haa	103	87	191	3.40	2.80	3.10
Lhuentse	13	30	43	0.40	0.80	0.60
Monggar	100	119	220	1.10	1.20	1.20
Paro	856	1,036	1,892	8.40	10.40	9.40
Pema Gatshel	130	232	362	2.10	4.10	3.10
Punakha	206	415	622	3.40	6.90	5.10
Samdrup Jongkhar	139	239	378	1.70	3.10	2.40
Samtse	322	253	575	1.70	1.50	1.60
Sarpang	532	443	974	4.80	4.00	4.40
Thimphu	2,770	4,103	6,872	9.30	15.90	12.30
Trashigang	163	343	506	1.60	3.50	2.50
Trashi Yangtse	13	166	179	0.30	3.80	2.20
Trongsa	138	157	295	3.90	3.90	3.90
Tsirang	55	96	152	0.90	1.80	1.30
Wangdue Phodrang	305	551	855	3.30	5.80	4.60
Zhemgang	51	92	143	1.20	2.00	1.60
Total	7,003	9,657	16,660	4.10	6.00	5.00

Note: Figures may not add upto the totals because of rounding

Source: Labour Force Survey Report 2020, NSB.

Table 4.1.7: Number of Employed Persons by Dzongkhag and Sex, 2020

Dzongkhag	Number			Employment Rate (%)		
	Male	Female	Total	Male	Female	Total
Bumthang	3,627	3,906	7,533	96.30	97.30	96.80
Chhukha	14,897	11,895	26,792	95.20	93.10	94.20
Dagana	6,533	6,539	13,073	97.00	95.80	96.40
Gasa	778	607	1,384	97.90	97.40	97.70
Haa	2,933	2,997	5,930	96.60	97.20	96.90
Lhuentse	3,147	3,661	6,808	99.60	99.20	99.40
Monggar	8,888	9,678	18,566	98.90	98.80	98.80
Paro	9,297	8,954	18,251	91.60	89.60	90.60
Pema Gatshel	6,003	5,467	11,469	97.90	95.90	96.90
Punakha	5,817	5,637	11,454	96.60	93.10	94.90
Samdrup Jongkhar	8,155	7,442	15,597	98.30	96.90	97.60
Samtse	18,091	16,349	34,440	98.30	98.50	98.40
Sarpang	10,540	10,748	21,288	95.20	96.00	95.60
Thimphu	27,140	21,756	48,896	90.70	84.10	87.70
Trashigang	10,331	9,588	19,919	98.40	96.50	97.50
Trashigang Yangtse	3,908	4,185	8,093	99.70	96.20	97.80
Trongsa	3,433	3,878	7,312	96.10	96.10	96.10
Tsirang	6,023	5,299	11,323	99.10	98.20	98.70
Wangdue Phodrang	8,925	8,922	17,847	96.70	94.20	95.40
Zhemgang	4,089	4,498	8,587	98.80	98.00	98.40
Total	162,555	152,007	314,562	95.90	94.00	95.00

Note: Figures may not add upto the totals because of rounding

Source: Labour Force Survey Report 2020, NSB.

Table 4.1.8: Distribution of Employed Persons by Major Occupation, Area and Sex, 2020

Major Occupation	Number				Total	Percent				Total
	Area		Sex			Area		Sex		
	Urban	Rural	Male	Female		Urban	Rural	Male	Female	
Managers	5,776	7,189	8,679	4,285	12,964	7.63	2.62	5.34	2.82	4.12
Professionals	10,617	12,894	15,865	7,645	23,510	13.69	4.82	9.76	5.03	7.47
Technicians & Associate Professionals	4,589	11,015	10,555	5,048	15,604	11.70	2.08	6.49	3.32	4.96
Clerical Support Workers	1,681	5,227	2,713	4,194	6,908	5.55	0.76	1.67	2.76	2.20
Services and Sales workers	14,955	19,674	13,849	20,779	34,629	20.89	6.79	8.52	13.67	11.01
Skilled Agricultural & Forestry workers	152,240	4,191	67,255	89,176	156,431	4.45	69.07	41.37	58.67	49.73
Craft & Related Trade Workers	13,748	13,263	12,156	14,855	27,011	14.09	6.24	7.48	9.77	8.59
Plant & Machine Operators	7,888	6,488	14,005	372	14,377	6.89	3.58	8.62	0.24	4.57
Elementary Occupations	6,532	6,157	7,422	5,266	12,688	6.54	2.96	4.57	3.46	4.03
Armed Forces	2,380	8,059	10,054	385	10,439	8.56	1.08	6.18	0.25	3.32
Total	220,406	94,156	162,555	152,007	314,562	100.00	100.00	100.00	100.00	100.00

Note: Figures may not add upto the totals because of rounding

Source: Labour Force Survey Report 2020, NSB.

Table 4.1.9: Total Employed Persons by Major Economic Activity and Nature of Employment, 2020

Major Economic Activity	Regular	Casual	Piece	
	Paid Employee	Paid Employee	Paid Worker	
Agriculture, Forestry and Fishing	614	506	100	
Mining and Quarrying	1,281	114	0	
Manufacturing	7,068	1,740	154	
Electricity, Gas, Steam and Air Conditioning Supply	4,096	50	0	
Water Supply; Sewerage, Waste Management and Remediation Activities	71	49	0	
Construction	6,741	3,998	1,846	
Wholesale & Retail Trade; Repair of Motor Vehicles and Motorcycles	5,348	283	5	
Transportation and Storage	1,934	350	0	
Accommodation and Food Service Activities	4,423	89	0	
Information and Communication	2,375	36	0	
Financial and Insurance Activities	2,811	42	0	
Real Estate Activities	25	0	0	
Professional, Scientific and Technical Activities	700	87	0	
Administrative and Support Service Activities	1,166	0	0	
Public Administration and Defence; Compulsory Social Security	26,731	51	0	
Education	13,776	54	41	
Human Health and Social Work Activities	7,753	123	0	
Arts, Entertainment and Recreation	642	368	6	
Other Service Activities	1,188	4,163	22	
Activities of Households as Employers	784	0	0	
Activities of Extraterritorial Organizations and Bodies	419	0	0	
Total	89,946	12,105	2,174	

Note: Figures may not add up to the totals because of rounding

Source: Labour Force Survey Report 2020, NSB.

Nature of Employment						Total
Own-account Worker (Non-agriculture)	Own-account Worker (Agriculture)	Employer	Family Worker (Non-agriculture)	Family Worker (Agriculture)	Don't Know	
366	70,331	74	0	85,024	0	157,015
282	0	17	49	0	0	1,743
12,290	53	379	3,000	0	0	24,685
0	0	0	0	0	0	4,146
36	0	0	0	0	0	157
2,700	0	337	388	0	0	16,010
15,002	0	511	4,060	25	0	25,233
6,153	0	35	375	0	0	8,847
4,131	0	347	1,489	0	0	10,480
153	0	98	0	0	0	2,661
66	0	17	0	0	0	2,936
35	0	0	0	0	0	60
207	0	11	0	0	0	1,005
175	0	108	21	0	0	1,471
5	0	0	0	0	0	26,787
126	0	52	0	0	0	14,048
84	0	17	0	0	25	8,002
727	0	132	68	0	0	1,944
535	0	141	81	0	0	6,129
0	0	0	0	0	0	784
0	0	0	0	0	0	419
43,071	70,384	2,277	9,531	85,049	25	314,562

Table 4.1.10: Total Employed Persons by Dzongkhag and Level of Education, 2020

Dzongkhag						
	None	Primary	Lower Secondary	Middle econdary	Higher Secondary	
Bumthang	2,535	917	507	1,019	849	
Chhukha	10,496	3,606	1,764	3,575	2,420	
Dagana	6,451	1,781	698	1,365	491	
Gasa	662	152	70	101	104	
Haa	3,443	488	278	531	501	
Lhuentse	3,493	455	308	413	295	
Mongar	10,016	1,690	521	1,256	1,016	
Paro	6,689	2,494	1,121	2,242	2,135	
Pemagatshel	4,902	1,128	535	970	854	
Punakha	4,999	1,262	749	1,221	1,174	
Samdrup Jongkhar	8,077	1,286	823	1,257	771	
Samtse	16,071	6,479	1,950	2,727	1,422	
Sarpang	7,363	3,821	1,380	2,588	1,952	
Thimphu	9,506	4,930	3,759	7,292	7,029	
Tashigang	12,786	1,325	737	1,445	1,019	
Tashiyangtse	4,079	664	370	625	406	
Trongsa	3,192	831	286	640	644	
Tsirang	4,903	2,212	686	1,202	683	
Wangdue Phodrang	8,756	2,041	864	1,534	1,448	
Zhemgang	4,840	545	279	703	610	
Total	133,258	38,107	17,683	32,706	25,821	

Note: Figures may not add upto the totals because of rounding

Source: Labour Force Survey Report 2020, NSB.

Level of Education							Total
TVET Graduate	Diploma	Bachelors Degree	Masters & Above	Monastic Education	NFE	Don't Know	
54	80	447	27	482	617	0	7,533
298	525	1,908	368	376	1,458	0	26,792
103	124	174	0	268	1,619	0	13,073
0	45	79	4	107	62	0	1,384
4	25	171	14	327	148	0	5,930
81	167	272	78	512	733	0	6,808
31	251	822	69	650	2,245	0	18,566
124	208	1,429	237	766	806	0	18,251
232	145	507	29	246	1,909	14	11,469
25	50	560	161	710	542	0	11,454
113	307	647	89	395	1,832	0	15,597
149	354	1,071	231	97	3,890	0	34,440
259	220	1,096	64	89	2,431	26	21,288
1,130	1,654	8,883	2,517	1,152	1,046	0	48,896
30	101	774	243	482	979	0	19,919
91	74	153	0	341	1,277	13	8,093
101	148	367	26	382	695	0	7,312
40	54	157	51	66	1,251	18	11,323
155	392	818	126	873	840	0	17,847
83	172	413	20	258	662	0	8,587
3,103	5,096	20,746	4,353	8,579	25,040	71	314,562

Table 4.2.1: Number of Jobseekers Registered in the Online Job Portal System by Months, 2019 and 2020

Sex	2019												2020					
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Male	81	102	205	198	96	54	130	197	200	177	204	174	209	192	192	117	21	33
Female	100	130	223	251	115	50	151	295	253	158	212	204	262	219	207	78	58	35
Total	181	232	428	449	211	104	281	492	453	335	416	378	471	411	399	195	79	68

Source: Labour Market Information Bulletin, DoEHR, MoLHR

Table 4.2.2: Number of Job Vacancies by Qualification and Sectors, 2019

Qualification	Government /Autonomous		Corporate	Private	NGOs	Overseas	Total
Master		2	7	49	2	0	60
General Graduate		205	77	166	1	200	649
Technical Graduate		129	96	123	4	50	402
Diploma		370	69	43	4	0	486
Certificate		609	177	299	0	0	1,085
Class XII		268	113	105	0	41	527
Class X		736	251	69	15	2,712	3,783
Class IX & Below		136	58	69	0	0	263
Illiterate		228	31	80	1	0	340
Other		0	0	0	0	0	0
Total		2,683	879	1,003	27	3,003	7,595

Source: Labour Market Information Bulletin, DoEHR, MoLHR

Table 4.2.3: Number of Job Vacancies by Months and Sectors, 2019 and 2020

Sectors	2019												2020					
	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Government/ Autonomous	42	301	118	126	120	15	192	414	334	73	21	52	40	370	84	58	22	1,023
Corporate	183	29	162	31	124	76	62	39	210	17	47	3	98	82	28	5	287	1
Private	159	121	113	216	146	99	45	49	68	119	26	17	106	97	194	91	170	21
NGOs	6	1	9	5	0	0	0	0	0	0	0	4	6	15	2	0	0	0
Overseas	310	22	269	30	25	60	46	234	275	941	500	525	162	200	112	8	0	0
Total	700	474	671	408	415	250	345	736	887	1,150	594	601	412	764	420	162	479	1,045

Source: Labour Market Information Bulletin 2020, DoEHR, MoLHR

Table 4.2.4: Number of Placements by Months and Sectors, 2019 and 2020

Sectors	2019												2020					
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Government/ Autonomous	98	5	92	266	73	79	82	237	46	314	264	81	132	49	138	42	45	1
Corporate	91	53	69	33	105	68	21	3	108	15	49	117	37	68	9	8	3	9
Private	0	91	110	25	124	203	72	17	149	1	7	164	150	209	63	5	4	2
NGOs	1	0	0	0	0	0	0	0	0	0	0	12	2	0	0	1	0	0
Overseas	67	71	88	163	112	50	127	81	175	74	253	302	178	60	28	0	0	0
Total	257	220	359	487	414	400	302	338	478	404	573	676	499	386	238	56	52	12

Source: Labour Market Information Bulletin, DoEHR, MoLHR

Table 4.2.5: Number of Overseas Placements by Qualification, 2015/2016 - 2019/2020

Qualification	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Master	2	0	0	0	0
General Graduate	514	708	754	360	156
Technical Graduate	25	0	0	0	0
Diploma	2	0	49	0	0
Certificate	0	0	163	0	0
Class XII	467	676	682	666	966
Class X	596	243	152	147	156
Total	1,606	1,627	1,800	1,173	1,278

Source: Labour Market Information Bulletin, DoEHR, MoLHR

Table 4.2.6: Number of Foreign Workers by Major Occupation and Sex as of June, 2021

Major Occupation	Male	Female	Both Sex
Managers	...	...	129
Professionals	...	...	750
Technicians and Associate Professionals	...	...	200
Clerical support workers	...	...	1
Service and sales workers	...	...	37
Skilled Agricultural, Forestry and Fishery	...	...	19
Craft and related trade workers	...	...	15,866
Plant and machine operators and assemblers	...	...	606
Elementary Occupation	...	...	1,080
Total	...	...	18,688

Source: Labour MarketNet System, MoLHR, Thimphu

Table 4.3.1: Number of Civil Servants by Position Level, Nationality and Sex, 2020

Position Category	Regular						Total Regular		
	Bhutanese			Non-Bhutanese					
	Male	Female	Both Sex	Male	Female	Both Sex		Male	
Executive Position Category									
No Level ¹	1	1	2	0	0	0	2	0	
EX1	25	0	25	0	0	0	25	0	
EX2	45	4	49	0	0	0	49	1	
EX3	60	12	72	0	0	0	0	4	
Sub Total	131	17	148	0	0	0	76	5	
Specialist Position Category									
ES1	6	0	6	0	0	0	6	4	
ES2	22	8	30	0	0	0	30	2	
ES3	86	17	103	0	0	0	103	2	
Sub Total	114	25	139	0	0	0	139	8	
Professional & Management Position Category									
P1	849	416	1,265	0	0	0	1,265	8	
P2	1,507	741	2,248	0	0	0	2,248	11	
P3	2,343	1,378	3,721	0	0	0	3,721	8	
P4	2,129	1,255	3,384	1	0	1	3,385	80	
P5	1,257	1,202	2,459	0	0	0	2,459	766	
Sub Total	8,085	4,992	13,077	1	0	1	13,078	873	
Supervisory & Support Position Category									
SS1	74	50	124	0	0	0	124	0	
SS2	329	77	406	0	0	0	406	2	
SS3	766	335	1,101	2	1	3	1,104	2	
SS4	1,046	623	1,669	0	1	1	1,670	13	
S1	1,663	1,114	2,777	0	1	1	2,778	39	
S2	1,461	1,096	2,557	0	0	0	2,557	40	
S3	985	828	1,813	1	0	1	1,814	15	
S4	339	460	799	0	0	0	799	32	
S5	360	185	545	0	0	0	545	513	
Sub Total	7,023	4,768	11,791	3	3	6	11,797	656	
Operational Position Category									
O1	694	156	850	1	1	2	852	3	
O2	280	74	354	0	0	0	354	65	
O3	238	24	262	0	0	0	262	3	
O4	66	2	68	0	0	0	68	709	
Sub Total	1,278	256	1,534	1	1	2	1,536	780	
Grand Total	16,631	10,058	26,689	5	4	9	26,698	2,322	

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

Source: Civil Service Statistics, December 2020, RCSC.

Contract					Total Contract	Total Male	Total Female	Grand Total
Bhutanese		Non-Bhutanese						
Female	Both Sex	Male	Female	Both Sex				
0	0	0	0	0	0	1	1	2
0	0	0	0	0	0	25	0	25
1	2	0	0	0	2	46	5	51
0	4	0	0	0	4	64	12	76
1	6	0	0	0	6	136	18	154
2	6	0	0	0	6	10	2	12
0	2	0	0	0	2	24	8	32
1	3	1	0	1	4	89	18	107
3	11	1	0	1	12	123	28	151
1	9	11	3	14	23	868	420	1,288
1	12	18	6	24	36	1,536	748	2,284
3	11	23	9	32	43	2,374	1,390	3,764
138	218	5	7	12	230	2,215	1,400	3,615
582	1,348	1	1	2	1,350	2,024	1,785	3,809
725	1,598	58	26	84	1,682	9,017	5,743	14,760
0	0	0	0	0	0	74	50	124
1	3	0	0	0	3	331	78	409
0	2	0	0	0	2	770	336	1,106
2	15	0	0	0	15	1,059	626	1,685
19	58	0	0	0	58	1,702	1,134	2,836
21	61	0	0	0	61	1,501	1,117	2,618
4	19	1	0	1	20	1,002	832	1,834
15	47	0	1	1	48	371	476	847
1,131	1,644	0	0	0	1,644	873	1,316	2,189
1,193	1,849	1	1	2	1,851	7,683	5,965	13,648
0	3	0	0	0	3	698	157	855
96	161	0	0	0	161	345	170	515
3	6	0	0	0	6	241	27	268
90	799	1	0	1	800	776	92	868
189	969	1	0	1	970	2,060	446	2,506
2,111	4,433	61	27	88	4,521	19,019	12,200	31,219

Table 4.3.2: Number of Civil Servants by Working Agency, Employment Type and Nationality, 2020

Working Agency	Regular		Total	Contract			Grand Total
	Bhutanese	Non-Bhutanese		Bhutanese	Non-Bhutanese	Total	
His Majesty's Secretariat	43	0	43	23	0	23	66
Secretariat of His Majesty The Fourth Druk Gyalpo	8	0	8	19	0	19	27
Judiciary	482	0	482	34	0	34	516
Legislative	97	0	97	61	0	61	158
Constitutional	478	0	478	14	0	14	492
Ministry	8,180	5	8,185	418	2	420	8,605
Autonomous	2,371	0	2,371	323	0	323	2,694
Dzongkhag	12,993	4	12,997	3,346	55	3,401	16,398
Thromde	2,010	0	2,010	193	31	224	2,234
Non-Civil Service ¹	27	0	27	2	0	2	29
Total	26,689	9	26,698	4,433	88	4,521	31,219

Note: B: Bhutanese, NB: Non Bhutanese

¹Civil Servants Serving in Defence, Non-Governmental Organizations and Corporations

Source: Civil Service Statistics, December 2020, RCSC.

Table 4.3.3: Number of Civil Servants by Working Agency, Position Category and Sex, 2020

Working Agency	Executive Position		Specialist		Professional and Management		Supervisory and support		Operational		Total
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
His Majesty's Secretariat	10	0	0	1	13	1	8	10	13	0	56
Secretariat of His Majesty The Fourth Druk Gyalpo	3	0	0	0	16	0	15	0	3	0	37
Judiciary	0	0	1	0	33	21	161	208	66	26	516
Legislative	5	1	0	0	59	43	19	20	10	1	158
Constitutional	12	1	0	0	174	96	100	66	35	8	492
Ministry	55	11	62	13	1,732	777	3,378	1,693	768	116	8,605
Autonomous	20	11	29	12	547	411	624	731	224	85	2,694
Dzongkhag	17	1	15	4	5,814	3,364	3,205	2,948	827	203	16,398
Thromde	3	1	7	5	628	1,020	166	286	111	7	2,234
Non-Civil Service ¹	4	0	1	0	10	1	7	3	3	0	29
Total	129	26	115	35	9,026	5,734	7,683	5,965	2,060	446	31,219

Note: B: Bhutanese, NB: Non Bhutanese

¹Civil Servants Serving in Defence, Non-Governmental Organizations and Corporations

Source: Civil Service Statistics, December 2020, RCSC.

Table 4.3.4: Number of Civil Servants by Major Occupational Groups, Position Category and Sex, 2020

Major Occupational Group	Executive and Specialists		Professional and Management		Supervisory and Support		Operational Staff		Total
	Male	Female	Male	Female	Male	Female	Male	Female	
Education and Training services	0	0	5,602	4,007	144	65	0	0	9,818
Administration and support services	0	0	535	245	801	1,801	1,899	440	5,721
Medical and Health Services	0	0	492	413	1,580	1,423	0	0	3,908
Architectural, Engineering and Land Services	0	0	553	177	1,386	611	160	6	2,893
Finance and Audit Services	0	0	336	197	622	385	0	0	1,540
Forestry and Environment Protection Services	0	0	219	58	1,035	186	0	0	1,498
Agriculture and Livestock Services	1	0	275	72	728	245	1	0	1,322
Laboratory and Technical Services	0	0	56	22	433	511	0	0	1,022
Legal, Judiciary and Legislative Services	0	0	146	94	161	172	0	0	573
Human Resource Services	0	0	147	90	179	74	0	0	490
Library, Archives & Museum Services	0	0	13	8	90	273	0	0	384
Information Communication and Technology Services	0	0	107	87	92	56	0	0	342
Sports and Youth Services	0	0	101	71	161	77	0	0	410
Planning and Research Services	0	0	208	94	26	8	0	0	336
Transportation and Aviation Services	0	0	35	16	206	65	0	0	322
Executive and Specialist Services	258	46	0	0	0	0	0	0	304
Trade and Industry and Tourism Services	0	0	90	57	13	10	0	0	170
Foreign Services	0	0	58	29	0	0	0	0	87
Arts, Culture and Literary Services	0	0	44	6	26	3	0	0	79
Total	259	46	9,017	5,743	7,683	5,965	2,060	446	31,219

Source: Civil Service Statistics, December 2020, RCSC.

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 was supplemented by keeping different kinds of domestic animals such as cattle for draught and milking purpose, chicken for eggs and pigs for meat etc.

However, nowadays, owing to the improved network of road accessibility and transportation in the country, increasing number of farms are shifting from subsistence-based farming to commercial agriculture. Strategies to increase livestock and crop production include intensifying farm mechanization, land development and fallow land reversion, introducing climate and disaster resilient crop varieties, mitigating human wildlife conflict through adoption of innovative technologies, promoting value addition and Renewal Natural Resources (RNR) enterprise development, and etc.

In order to fulfill the aspiration of food security and self-sufficiency in the country, it is imperative to use the coherent RNR statistics that will provide realistic picture of country's food situation. The availability of RNR statistics also serves as the basis for making evidence based programs and policy decisions.

Presented in this chapter therefore include statistics on agricultural area, quantity of crop produced and livestock population and production, inputs distributed and its price, etc.

Table 5.1.1: Number of Renewable Natural Resources Infrastructure and Extension Facilities, 2020

Infrastructure	2020
RNR Centres*	198
Agriculture Centres	
Agriculture Extension Centre	3
National Seed Production Farm	8
National Plant Protection Centre	1
Agriculture Machinery Centres	4
National Mushroom Centre	1
National Post Harvest Centre	5
Agriculture Research and Development Centres	3
Agriculture Research and Development Sub-Centres	5
Soil and Plant Analytical Laboratory	1
Research and Development Centre for Organic Agriculture	1
Farm Machinery Cooperation Limited (FMCL)	1
Livestock Centres	
Livestock Extension Centres (LEC)	15
National Livestock Research and Development Centres	7
National Center for Animal Health	1
Dzongkhag Veterinary Hospitals	20
Regional Livestock Development Centres	4
National Veterinary Hospital	1
City Veterinary Hospital	1
Satellite Veterinary Hospitals	4
Government Livestock Farms (for breeding/production)	16
Vaccine Production Centre	1
Liquid Nitrogen Centre	2
Semen Processing Centre	1
National Highland Research Development Centre	1
Livestock central store	1
Forestry Centres	
Functional Divisions	7
Divisional Forest Office	14
Range Offices	75
Beat Office	85
Forest Check Posts	39
Protected areas (Parks & sanctuaries)	10
Forest Management unit	21
Biological Corridors	8

Note: **' It houses the Agriculture and Livestock Services from the same infrastructure*

National Seed Centre was previously known as Agriculture Seed Production Farm and Divisional Forest Office was previously known as Territorial Divisions.

Source: Planning and Policy Division, MoAF

Table S.1.2: Distribution of Insecticides by Dzongkhag, 2017/2018 - 2019/2020

Dzongkhag	2017/2018				2018/2019				2019/2020						
	Chlorpirifos 20EC (100ml)	Cypermethrin 10EC (100ml)	Dimethoate 30 EC (Ltrs)	Fenvelerate 0.4D(Kg)	Imidachtoprid 20% SL (Ltr.)	Chlorpirifos 20EC (100ml)	Cypermethrin 10EC (100ml)	Fenvelerate 0.4D(Kg)	Imidachtoprid 20% SL (Ltr.)	Malathion 50 EC (Ltr.)	Chlorpirifos 20EC (100ml)	Cypermethrin 10EC (100ml)	Fenvelerate 0.4D(Kg)	Imidachtoprid 20% SL (Ltr.)	Malathion 50 EC (Ltr.)
Bumthang	1.00	39.80	...	...	...	...	30.60	...	1.00	...	0.20	45.30	...	...	...
Chukha	36.60	22.20	...	34.00	...	...	2.50	70.00	...	...	14.00	53.00	60.00	...	...
Dagana	20.00	1.00	...	2.00	...	66.90	0.20	...	5.70	...	15.30	91.40	5.00	0.40	...
Gasa	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Haa	35.70	5.70	0.30	161.00	...	15.00	122.50	13.00	2.20	...	19.20	74.70	15.00	...	...
Lhuentse	...	20.00	...	10.00	...	4.60	19.80	2.00	...	...	...	...	...	...	...
Monggar	10.00	90.00	...	70.00	...	47.00	121.00	140.00	31.00	...	...	307.50	15.00	20.00	...
Paro	26.70	1,191.70	129.80	622.00	2.40	31.00	1,223.60	327.00	16.60	...	23.50	207.30	20.00	...	...
Pema Gatshel	...	...	...	...	...	...	...	...	...	...	95.10	513.40	340.00	0.50	...
Punakha	86.00	90.20	1.00	18.00	...	...	200.20	131.00	8.00	...	...	0.50	...	...	...
Samdrup Jongkhar	...	...	...	...	...	...	...	...	...	...	...	7.80	...	...	...
Samtse	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sarpang	2.50	37.50	66.50	41.00	...	8.50	33.00	20.00	3.80	11.40	...	23.00	...	...	11.00
Thimphu	70.00	774.00	105.30	894.00	6.00	85.80	415.70	980.00	28.10	...	...	7.00	5.00	...	...
Trashigang	16.00	23.50	...	2.00	...	...	20.00	20.00	...	...	...	12.80	...	...	...
Trashigang	...	30.50	...	...	...	27.00	126.00	1,163.00	...	5.00	...	...	65.00	...	5.00
Trongsa	...	...	...	50.00	...	...	...	...	...	...	5.30	73.70	11.00	...	...
Tsirang	...	13.00	...	40.00	5.50	10.00	15.60	...	17.00	...	6.20	274.60	305.00	3.80	...
Wangdue Phodrang	...	210.60	2.50	36.00	1.50	4.00	372.10	26.00	8.00	0.60	37.30	167.70	112.00	0.80	0.60
Zhemgang	...	...	...	...	...	...	2.00	...	...	...	...	11.00	...	...	...
Total	304.50	2,549.70	305.40	1,980.00	15.40	299.80	2,704.80	2,892.00	121.40	17.00	216.10	1,870.70	953.00	25.50	16.60

Source: National Plant Protection Centre, Department of Agriculture, MoAF

Table 5.1.3: Distribution of Fungicides by Dzongkhag, 2017/2018 - 2019/2020

Dzongkhag	2017/2018									
	Captan (500g)	Carbendazim (250g)	Copper oxychloride (100g)	Hexaconazole (100ml)	Mancozeb (250g)	Metalaxly (100g)	Sulphur (500g)	Tricyclazole (100g)	Captan (500g)	
Bumthang	...	12.50	...	...	188.50	14.50	...	2.25	0.50	
Chhukha	...	1.00	72.50	...	62.50	2.50	...	8.00	...	
Dagana	...	...	0.50	...	...	0.75	...	...	...	
Gasa	...	...	...	...	...	...	...	...	...	
Haa	19.25	3.25	...	26.70	130.50	11.75	...	...	10.00	
Lhuntse	2.00	...	1.50	...	...	...	...	...	0.25	
Monggar	...	...	...	...	...	...	...	0.75	20.00	
Paro	121.50	291.25	19.00	2.60	539.00	45.50	...	...	27.75	
Pema Gatshel	...	...	...	...	...	...	...	...	...	
Punakha	...	1.50	4.90	...	...	5.35	...	6.75	0.50	
Samtse	...	...	...	...	...	...	...	...	...	
Samdrup Jongkhar	...	...	...	...	...	...	...	...	...	
Sarpang	...	10.00	10.20	...	25.25	20.25	...	0.50	5.00	
Thimphu	94.75	211.75	86.90	32.20	44.00	40.90	48.00	21.50	15.00	
Trashigang	...	...	21.70	...	27.50	63.25	...	...	...	
Trashy Yangtse	...	...	1.00	...	20.00	0.60	...	...	1.00	
Trongsa	...	...	...	...	25.00	5.00	...	10.00	...	
Tsirang	...	0.50	12.90	...	0.25	...	2.00	16.74	...	
Wangdue Phodrang	...	...	9.00	...	2,007.50	66.90	...	...	20.00	
Zhemgang	...	...	0.20	...	...	0.10	...	...	...	
Total	237.50	531.75	240.30	61.50	3,070.00	277.35	50.00	66.49	100.00	

Source: National Plant Protection Centre, Department of Agriculture, MoAF

2018/2019					2019/2020					
Carbendazim (250g)	Copper oxychloride (100g)	Mancozeb (250g)	Metalaxly (100g)	Tricyclazole (100g)	Captan (500g)	Carbendazim (250g)	Copper oxychloride (100g)	Mancozeb (250g)	Metalaxly (100g)	Tricyclazole (100g)
15.75	...	202.25	...	...	3.75	17.75	...	...	2.50	4.20
...	1.00	...	...	...	0.25	50.00	10.00	...	17.95	...
...	...	...	...	...	...	4.00	0.50	...	...	0.50
...	...	...	...	...	...	...	...	...	...	...
28.25	...	50.00	5.00	...	14.00	39.25	...	60.50	...	...
...	1.00	...	...	...	...	...	...	2.50	...	...
25.00	40.00	100.00	15.00	0.50	...	...	11.00	20.00	...	...
331.00	13.80	471.00	35.75	...	10.00	3.75	7.50	18.00	5.75	6.80
...	...	...	...	...	23.25	305.25	28.50	223.75	296.35	20.10
0.50	1.30	0.50	1.50	21.25	...	...	...	...	...	...
...	...	...	...	...	...	0.50	2.50	...	0.25	...
...	...	...	...	...	...	...	...	...	...	...
...	2.00	17.25	...	6.20	...	...	...	...	...	...
191.25	10.50	465.75	18.00	3.00	...	1.00	12.00	3.00	...	5.00
...	37.30	1.00	65.75	...	...	...	5.00	8.75	...	...
...	10.20	32.00	...	1.40	...	...	20.00	12.50	17.50	...
...	...	1.25	1.50	...	...	...	20.10	0.25	159.50	50.00
0.25	...	0.75	...	...	14.25	126.75	16.50	213.25	15.55	0.50
0.50	2.10	3,650.25	47.50	21.60	6.25	7.50	4.90	1,745.50	40.50	9.60
...	1.00	...	...	...	...	...	1.00	...	2.50	1.00
592.50	120.20	4,992.00	190.00	53.95	71.75	555.75	139.50	2,308.00	558.35	97.70

Table S.1.4: Distribution of Herbicides by Dzongkhag, 2017/2018 - 2019/2020

Dzongkhag	2017/2018			2018/2019			2019/2020		
	Butachlor (KG)	Glyphosate (500 ml)	Metribuzim (100g)	Butachlor (KG)	Glyphosate (500 ml)	Metribuzim (100g)	Butachlor (KG)	Glyphosate (500 ml)	Metribuzim (100g)
Bumthang	...	8.50	400.75	...	4.50	410.25	...	3.50	175.50
Chhukha	10,300.00	33.50	210.00	16,500.00	54.50	187.75	8,500.00	1.00	81.50
Dagana	5,000.00	13.50	0.75	5,200.00	87.50	...	5,000.00	11.00	1.00
Gasa	...	...	...	...	...	...	...	...	...
Haa	5,000.00	52.00	259.50	...	...	74.50	10,000.00	20.50	87.25
Lhunthse	14,000.00	25.00	...	23,000.00	132.50	0.25	14,500.00	17.50	2.50
Monggar	7,000.00	230.00	...	11,600.00	341.00	...	10,000.00	93.00	...
Paro	161,000.00	433.50	553.25	162,000.00	657.00	473.50	75,000.00	12.00	2.25
Pema Gatshel	...	...	...	...	...	...	131,400.00	229.00	399.50
Punakha	90,000.00	9.50	1.00	70,000.00	97.00	1.00	...	...	...
Samdrup Jongkhar	...	...	...	1,000.00	...	...	4,500.00	2.00	...
Samtse	7,300.00	...	...	5,000.00	...	...	1,000.00	...	...
Sarpang	10,200.00	35.00	...	9,000.00	103.00	...	20,000.00	10.00	...
Thimphu	35,000.00	774.00	324.00	30,000.00	300.50	133.50	20,000.00	512.50	...
Trashigang	46,000.00	...	...	62,000.00	100.00	...	20,000.00	2.00	31.00
Trashigang	27,000.00	10.00	...	20,000.00	35.00	1.00	18,000.00	...	...
Trongsa	16,000.00	162.00	20.00	17,000.00	145.00	20.00	30,900.00	11.50	23.00
Tsirang	10,300.00	871.50	...	10,000.00	871.00	...	35,000.00	163.00	110.25
Wangdue Phodrang	36,000.00	3,950.00	1,640.75	50,000.00	6,244.00	1,745.25	51,000.00	384.00	1,034.25
Zhengang	...	...	...	...	...	...	...	...	...
Total	480,100.00	6,608.00	3,410.00	492,300.00	9,172.50	3,047.00	454,800.00	1,472.50	1,948.00

Source: National Plant Protection Centre, Department of Agriculture, MoAF

Table S.1.5: Distribution of Non Toxic Chemical by Dzongkhag, 2017/2018 - 2019/2020

Dzongkhag	2017/2018			2018/2019			2019/2020				
	Neem Oil (100ml)	TSO/ HMO (Ltr.)	Sticker (250 ml)	Neem Oil (100ml)	TSO/ HMO (Ltr.)	Sticker (250 ml)	Protein hydrolysate (Kg)	Neem Oil (100ml)	TSO/ HMO (Ltr.)	Sticker (250 ml)	Protein hydrolysate (Kg)
Bumthang	...	...	...	8.60	20.00	...	...	...	20.00	...	...
Chhukha	0.50	5.00	...	3.50	...	...	...	3.50	...	10.00	...
Dagana	...	...	10.00	...	...	11.25	40.00	...	20.00	2.00	40.00
Gasa	...	...	...	...	...	...	...	...	...	...	...
Haa	...	23.00	3.25	...	20.00	...	...	...	79.00	2.00	...
Lhuntse	...	...	...	...	...	...	...	...	...	...	...
Monggar	...	100.00	...	...	180.00	50.00	...	...	...	...	...
Paro	18.90	4,254.00	24.50	5.00	100.00	...	...	15.00	...	2.50	10.00
Pema Gatshel	...	...	...	32.90	3,843.00	58.50	...	100.80	2,597.00	31.25	...
Punakha	...	...	...	...	...	...	...	...	...	...	...
Samdrup Jongkhar	...	...	...	...	...	...	...	10.00	...	0.50	20.00
Samtse	...	...	2.00	5.00	...	...	...	...	...	...	...
Sarpang	96.50	...	21.00	71.00	...	1.25	...	23.80	...	...	...
Thimphu	116.00	3,261.00	25.75	...	20.00	...	...	...	30.00	...	...
Trashig Yangtse	...	...	...	0.20	...	...	...	0.60	...	...	...
Trashigang	...	...	...	...	...	...	...	...	...	...	...
Trongsa	...	...	...	...	...	...	...	38.10	...	...	...
Tsirang	...	...	...	94.20	1,088.00	23.50	...	16.20	2,923.00	28.75	...
Wangdue Phodrang	...	210.00	220.75	35.40	10.00	378.75	...	20.90	...	13.00	...
Zhemgang	0.10	...	...	0.50	...	...	...	...	...	...	...
Total	232.00	7,853.00	307.25	256.30	5,281.00	523.25	40.00	228.90	5,669.00	90.00	70.00

Source: National Plant Protection Centre, Department of Agriculture, MoAF

Table 5.1.6: Distribution of Rodenticides by Dzongkhag, 2017/2018 - 2019/2020

Dzongkhag	2017/2018	2018/2019	2019/2020
	Zinc Phosphide (Kg)	Zinc Phosphide (Kg)	Zinc Phosphide (Kg)
Bumthang	0.37	0.09	...
Chhukha	...	0.12	...
Dagana	0.1	15.3	3.31
Gasa	...	...	...
Haa	2.67	0.82	...
Lhuntse	2	0.53	...
Monggar	1	0.5	...
Paro	...	0.67	0.26
Pema Gatshel	0.28	...	...
Punakha	0.5	2.67	...
Samdrup Jongkhar	...	...	...
Samtse	0.1	...	...
Sarpang	...	1.8	...
Thimphu	1.18	2.01	0.3
Trashy Yangtse	...	0.05	...
Trashigang	1	11.75	...
Trongsa	0.1	0.05	...
Tsirang	0.61	12.37	0.47
Wangdue Phodrang	4.53	9.02	0.4
Zhemgang	...	...	...
Total	14.44	57.75	4.74

Source: National Plant Protection Centre, Department of Agriculture, MoAF

Table S.1.7: Dzongkhag wise area of land under different agricultural landuse, 2010, 2016 and 2019

Dzongkhag	LCMP 2010 (in Hectares)			LULC 2016 (in Hectares)			RNR Census 2019 (in acres)		
	Chuzhing	Kamzhing	Orchard	Chuzhing	Kamzhing	Orchards	Chuzhing	Kamzhing	Orchards
Bumthang	24.7	2,883.9	11.5	68.6	3,330.7	...	3.3	9,612.0	3.0
Chhukha	1,586.7	5,735.8	1,918.0	1,882.9	5,682.2	327.1	1,934.9	14,985.0	734.2
Dagana	1,493.7	4,588.3	1,455.3	2,028.4	4,798.9	569.2	3,745.8	11,641.0	627.4
Gasa	143.6	386.3	...	148.4	309.9	...	197.7	646.0	...
Haa	88.5	2,068.5	624.6	181.4	1,486.8	49.6	171.7	4,362.0	280.1
Lhuentse	1,575.6	4,328.5	1.0	1,733.5	2,032.7	2.3	1,781.4	4,688.0	31.0
Monggar	436.4	5,300.0	3.3	687.4	5,832.1	10.0	1,330.6	17,525.0	27.0
Paro	1,763.7	3,555.8	1,023.7	1,888.4	2,886.6	686.8	2,911.9	5,426.0	296.5
Pema Gatshel	82.6	4,837.1	335.1	18.3	2,787.2	859.9	348.2	16,409.0	1,086.7
Punakha	5,073.0	261.9	16.7	4,304.0	390.9	8.9	6,488.4	1,653.0	28.0
Samdrup Jonkhar	1,147.6	6,731.3	249.1	1,121.0	4,212.4	163.2	1,779.5	16,023.0	430.9
Samtse	5,680.5	8,149.7	3,533.4	4,312.3	10,079.8	410.5	6,666.9	20,726.0	2,193.3
Sarpang	1,942.7	3,351.6	923.6	3,062.3	3,906.4	1,061.1	4,512.9	10,398.0	2,156.9
Thimphu	458.2	913.8	902.1	484.9	466.4	741.7	421.2	1,692.0	102.3
Trashigang	1,439.5	4,982.3	...	1,658.6	8,149.2	4.1	2217.14	15,372.0	36.0
Trashig Yangtse	946.6	2,112.4	...	1,049.6	2,442.6	...	1,500.6	4,948.0	32.4
Trongsa	1,082.0	1,205.0	...	1,231.8	1,321.7	2.2	1,718.0	4,849.0	64.0
Tsirang	1,527.2	2,867.5	314.4	2,080.7	3,320.4	303.5	3,851.6	8,029.0	805.1
Wandue Phodrang	4,013.7	1,930.0	0.1	3,113.1	2,713.2	...	4,218.3	4,564.0	13.0
Zhengang	639.6	3,251.0	211.3	789.2	2,300.2	359.3	1,595.5	11,985.0	144.2
Total	31,146.1	69,440.6	11,523.4	31,844.9	68,450.5	5,559.6	47,395.6	185,533.0	9,091.8

Source: Land Cover Map Project (LCMP), Land Use and Land Cover (LULC) and RNR Statistics Division, MoAF

Table 5.1.8: Cultivated area, Production and Yield of Cereal Crops, 2016 - 2020

Crops	2016		2017	
	Harvested Area (Acres)	Production (MT)	Harvested Area (Acres)	Production (MT)
Paddy	53,055	85,090	51,368	86,385
Maize	56,609	82,035	66,042	94,052
Wheat	3,717	2,521	5,259	3,833
Buckwheat	6,897	3,705	5,817	3,480
Barley	2,451	1,702	3,421	2,005
Millet	3,245	1,714	3,623	1,739
Quinoa	...	...	73	9

Source: Agricultural Statistics Division, NSB

Table 5.1.9: Cultivated area and Production of Cereal Crops by Dzongkhag, 2020

Dzongkhag	Irrigated Paddy		Upland Paddy		Maize		Harvested Area (acres)	
	Harvested Area (acres)	Production (MT)	Harvested Area (acres)	Production (MT)	Harvested Area (acres)	Production (MT)		
Bumthang	134.59	207.97	0.00	0.00	0.70	0.40	273.70	
Chhukha	926.74	1,613.86	33.27	25.73	1,219.51	1,509.06	163.80	
Dagana	2,550.07	3,461.71	31.67	42.22	3,019.56	3,374.84	21.89	
Gasa	89.53	121.57	0.00	0.00	1.76	1.28	82.64	
Haa	97.43	115.15	2.27	1.83	232.93	329.06	381.48	
Lhuentse	1,481.78	2,791.12	91.41	92.07	1,399.80	2,357.91	15.53	
Monggar	622.01	746.23	39.83	30.45	4,413.99	6,162.32	8.27	
Paro	2,913.30	8,022.65	5.17	11.16	39.44	24.50	366.86	
Pema Gatshel	26.94	37.70	9.00	5.17	2,165.57	3,436.34	13.77	
Punakha	3,583.44	7,838.10	14.47	21.04	121.15	173.12	189.44	
Samdrup Jongkhar	1,632.24	2,634.73	39.17	22.44	2,274.45	3,140.79	31.67	
Samtse	4,250.17	5,475.48	98.83	105.83	3,226.04	3,917.47	120.15	
Sarpang	3,218.42	4,560.91	17.86	20.55	1,758.41	2,132.23	3.11	
Thimphu	221.78	515.11	0.00	0.00	2.07	2.85	80.22	
Trashigang	1,305.55	2,252.98	87.95	114.36	2,979.02	6,595.87	69.85	
Trashy Yangtse	890.40	1,710.40	116.02	121.18	1,011.90	2,383.89	1.47	
Trongsa	1,064.01	1,711.86	10.66	17.01	286.02	496.85	144.00	
Tsirang	2,062.72	2,660.76	4.17	3.04	2,148.15	2,706.84	13.40	
Wangdue Phodrang	2,926.14	6,110.44	25.99	39.78	105.72	192.00	446.80	
Zhemgang	644.12	772.20	59.26	53.61	1,538.57	2,026.99	28.52	
Total	30,641.42	53,360.93	687.00	727.48	27,944.78	40,964.62	2,456.56	

Source: Agricultural Statistics Division, NSB

	2018		2019		2020	
	Harvested Area (Acres)	Production (MT)	Harvested Area (Acres)	Production (MT)	Harvested Area (Acres)	Production (MT)
	37,268	63,890	30,314	49,948	31,328	54,088
	36,836	55,259	32,485	46,235	27,945	40,965
	2,819	1,445	2,481	1,319	2,457	1,623
	4,647	1,991	5,116	2,350	4,949	2,701
	1,715	929	1,957	1,026	1,764	1,123
	2,760	1,071	2,686	1,241	2,690	1,613
	114	21	308	83	223	102

Wheat	Barley		Millet		Buckwheat		Quinoa	
Production (MT)	Harvested Area (acres)	Production (MT)	Harvested Area (acres)	Production (MT)	Harvested Area (acres)	Production (MT)	Harvested Area (acres)	Production (MT)
191.06	261.59	182.86	0.00	0.00	583.64	420.95	3.73	1.49
96.49	28.60	18.16	438.87	173.48	430.43	201.29	16.17	5.25
9.48	42.46	17.81	339.47	166.58	340.99	178.24	2.53	0.41
52.83	127.90	137.91	0.00	0.00	9.93	7.68	0.00	0.00
234.35	21.83	13.93	56.04	30.99	471.82	237.26	0.00	0.00
11.19	5.24	3.33	112.20	78.77	13.89	8.20	28.47	14.04
4.33	470.52	215.54	12.81	4.67	138.21	55.33	34.05	17.94
245.92	71.52	43.14	4.34	1.84	136.68	77.16	0.00	0.00
6.62	8.36	4.35	124.62	66.31	168.17	61.10	2.78	0.51
100.50	13.67	7.45	0.71	0.20	74.96	41.10	0.00	0.00
19.69	106.37	69.06	59.22	31.56	591.05	323.63	13.10	2.43
71.85	37.95	20.84	611.46	443.59	370.43	198.05	38.17	19.80
1.36	0.00	0.00	353.78	192.37	131.27	42.01	13.50	2.77
60.80	19.47	13.39	0.00	0.00	5.28	2.65	0.87	1.21
60.71	84.99	74.54	53.83	32.11	271.51	249.06	50.64	29.48
1.08	4.27	1.94	206.12	232.82	12.25	5.55	5.67	1.06
90.39	280.22	185.58	4.69	2.70	332.47	170.23	0.44	0.25
8.29	6.58	2.69	217.21	107.51	118.10	42.81	8.50	3.34
342.60	145.72	85.09	7.20	3.58	480.97	267.40	2.42	1.53
13.73	26.71	25.78	87.47	44.02	266.94	110.97	2.27	0.58
1,623.24	1,763.96	1,123.39	2,690.03	1,613.11	4,948.98	2,700.67	223.32	102.08

Table 5.1.10: Fruit Bearing Tree and Production by Type, 2016 - 2020

Fruits	2016		2017		2018		2019		2020	
	Bearing Trees (Number)	Production (MT)	Bearing Trees (Number)	Production (MT)	Bearing Trees (Number)	Production (MT)	Bearing Trees (Number)	Production (MT)	Bearing Trees (Number)	Production (MT)
Apple	196,708	6,587.000	258,215	8,039.000	208,124	3,684.415	197,196	4,321.400	191,617	4,056.080
Apricot	...	...	360	8.000	680	16.264	704	15.210	921	35.870
Areca nut	726,075	9,467.000	895,579	9,342.000	1,218,752	11,680.649	1,510,628	16,106.870	1,528,064	17,445.680
Avacado	...	...	1,455	43.000	2,466	58.095	3,103	61.190	5,017	111.810
Banana	107,562	3,076.000	161,000	3,113.000	186,436	2,762.212	236,623	3,753.730	206,099	3,149.810
Date plum	2,017	82.000	1,128	23.000	883	13.830	1,400	19.140	...	...
Dragon fruits	...	...	...	...	40	0.105	59	0.230	131	0.360
Guava	26,360	665.000	36,189	1,084.000	38,851	895.084	49,738	1,368.880	45,640	1,062.140
Hazelnut	...	...	...	...	12,314	2.396	42,420	3.050	53,105	6.420
Jackfruit	5,406	775.000	3,088	528.000	3,371	565.526	3,286	469.170	3,401	284.840
Kiwi	...	...	...	...	836	2.850	1,954	19.600	3,069	28.360
Lemon & Lime	...	...	...	...	6,348	90.743	7,015	125.760	7,703	115.210
Litchi	5,602	134.000	10,456	313.000	12,142	302.615	13,515	384.690	17,210	329.310
Mandarin	882,807	42,003.000	864,608	28,017.000	869,140	26,527.487	960,851	27,529.490	858,519	25,660.800
Mango	23,494	644.000	17,273	530.000	29,514	848.348	25,641	665.660	32,519	819.080
Papaya	7,639	282.000	7,853	278.000	7,722	161.098	9,357	215.650	9,776	205.810
Passion fruit	...	120.000	...	94.000	...	...	...	...	...	...
Peach	18,131	972.000	25,865	1,124.000	30,456	1,135.204	34,315	1,245.940	35,283	1,061.190
Pear	16,726	963.000	24,423	1,510.000	24,277	1,372.237	28,763	1,583.590	30,950	1,107.000
Persimmon	1,554	49.000	4,305	152.000	3,992	207.123	4,665	234.560	5,028	206.770
Pine apple	...	67.000	...	72.000	...	278.887	...	148.710	123,629	161.690
Plum	8,920	376.000	9,571	482.000	10,784	531.684	11,449	585.120	12,282	438.690
Pomegranate	4,270	83.000	4,500	74.000	4,895	58.988	5,523	78.850	5,280	79.770
Sugarcane	...	345.000	...	...	...	100.939	...	396.340	...	...
Walnut	7,984	181.000	10,646	239.000	10,247	223.065	9,469	256.110	9,210	218.960
Watermelon	...	...	...	...	...	32.720	...	66.470	...	53.470

Source: Agricultural Statistics Division, NSB

Table S.1.11: Cultivated area and Production of Vegetables, Oilseeds, Spices, Pulses and Roots & Tubers, 2016 - 2020

Details	2016		2017		2018		2019		2020	
	Harvested Area (Acres)	Production (MT)	Harvested Area (Acres)	Production (MT)	Harvested Area (Acres)	Production (MT)	Harvested Area (Acres)	Production (MT)	Harvested Area (Acres)	Production (MT)
Vegetables										
Asparagus	417	239	201	79	154	160	264	79	206	127
Beans (fresh)	3,385	4,409	3,739	5,273	3,423	2,274	2,058	2,923	2,544	3,169
Bunching onion	...	...	...	...	...	...	243	179	307	268
Broccoli	725	1,004	1,056	1,371	781	846	751	864	1,107	1,727
Cabbage	2,738	6,685	3,551	10,562	1,792	4,036	1,737	6,069	2,072	7,830
Cauliflower	1,512	2,082	1,604	3,575	1,001	1,191	851	1,446	1,198	2,448
Carrot	607	1,276	530	787	415	782	540	1,374	677	1,787
Chilli	5,538	9,907	7,571	13,606	4,031	7,133	3,524	7,674	3,765	9,333
Corriander	...	...	...	...	277	146	255	120	295	301
Cucumber	...	1,194	...	1,948	561	1,541	247	2,691	499	1,970
Dally Chili	...	112	...	...	...	...	194	169	...	...
Egg-plant/ Brinjal	408	585	751	643	242	245	197	300	301	429
Green leaves	1,458	1,937	3,492	4,153	1,780	2,049	1,262	2,040	...	3,531
Lady Finger/ Okra	43	42	45	26	79	9	15	23	...	...
Onion bulb	442	414	594	489	394	305	141	155	203	216
Peas	795	1,014	1,003	859	642	567	451	685	603	749
Pumpkin/ squash/ gourds	...	3,671	...	5,204	986	3,870	569	6,043	...	7,918
Radish	2,871	6,490	3,533	6,307	1,644	3,649	1,238	4,721	2,406	5,234
Tomato	347	455	320	383	329	261	148	233	246	359
Tree tomato	...	275	...	404	...	...	...	359	...	441
Turnip	1,603	10,499	1,804	13,051	1,433	9,097	1,465	9,293	1,584	10,385
Cultivated Mush-room	...	82	...	122	...	34	...	44	...	112

cont...

Table 5.1.1.1 cont...

Details	2016			2017			2018			2019			2020		
	Harvested Area (Acres)	Production (MT)	Harvested Area (Acres)	Harvested Area (Acres)	Production (MT)	Harvested Area (Acres)	Harvested Area (Acres)	Production (MT)	Harvested Area (Acres)	Harvested Area (Acres)	Production (MT)	Harvested Area (Acres)	Harvested Area (Acres)	Production (MT)	Production (MT)
Oilseeds															
Groundnut	208	149	437	246	197	267	378	230	274	313					
Mustard	2,395	892	2,697	969	244	1,103	1,664	394	1,746	538					
Pyrilla	41	12	249	108	...	...	...	...	177	61					
Sesame	...	...	...	...	1	3	4	1	...	...					
Soya bean	544	254	867	204	107	377	621	171	540	234					
Sunflower	15	7	23	3	2	8	32	8	11	8					
Spices															
Cardamom	11,086	2,736	13,880	2,245	1,542	21,395	15,615	1,413	13,696	2,175					
Garlic	1,409	1,176	1,411	708	550	874	770	761	570	691					
Ginger	4,773	10,871	3,809	7,859	4,260	2,156	2,386	6,209	3,721	8,890					
Tumeric	...	...	...	...	...	...	70	92	156	187					
Pulses															
Beans dry	...	...	...	...	...	...	929	407	875	485					
Lentil	...	...	...	...	138	617	297	55	342	91					
Mung bean	952	482	922	298	...	...	1,307	464	1,084	382					
Rajma bean/ Kidney Bean	1,565	994	2,236	932	...	...	1,501	666	1,594	850					
Roots and Tubers															
Collocacia /Taro	...	...	...	...	92	140	127	210	164	244					
Ground apple	...	...	...	...	...	...	61	211	121	236					
Potato	14,638	58,820	12,824	57,223	44,278	11,131	10,342	43,560	10,342	45,500					
Sweet potato	31	29	203	80	32	64	62	48	66	67					
Tapioca/Cassava	278	415	320	306	448	389	329	484	319	608					

Source: Agricultural Statistics Division, NSB

Table 5.1.12: Average Retail Price of Farm Products at Centenary Farmers' Market (CFM), Thimphu by Type, 2016 - 2020

(Nu. per kg)

Farm Products	2016	2017	2018	2019	2020
Vegetables					
Asparagus	125.190	146.090	238.270	384.000	122.950
Can shoot	...	...	...	...	66.290
Bamboo shoot	116.000	100.000	125.000	130.000	...
Bean (Flat Type)	108.680	139.390	122.410	125.000	130.000
Bean (Round Type)	102.500	135.900	122.300	125.000	130.000
Bean (Long Type)	76.000	...	...	125.000	130.000
Bitter Gourd	98.450	97.610	85.380	140.000	95.360
Brinjal	71.900	75.660	55.530	115.000	...
Broccoli	78.420	90.200	90.940	170.000	103.050
Cabbage	41.900	45.150	39.750	50.000	41.250
Carrot	75.700	76.850	80.740	90.000	71.650
Cauliflower	122.290	149.460	138.300	120.000	128.150
Chilli dry (Big)	177.610	159.140	198.150	725.000	223.630
Chilli dry (Small)	205.000	206.250	252.300	190.000	320.110
Coriander	30.000	30.000	30.000	35.000	35.000
Cucumber	78.460	83.170	71.870	80.000	77.090
Garlic	210.000	224.760	184.600	215.000	291.850
Ginger	100.970	122.250	120.930	160.000	173.690
Mushroom (Oyster)	...	...	117.690	305.000	...
Mushroom (shitaake)	710.900	747.620	673.810	430.000	...
Onion	73.700	67.200	53.950	83.000	74.020
Peas	86.070	104.430	100.490	145.000	150.000
Potato	38.780	38.420	35.620	50.000	45.220
Pumpkin	36.850	46.200	42.610	63.000	46.220
Radish	37.350	40.360	38.700	45.000	35.460
Spinich (saag)	59.940	63.720	66.520	40.000	60.000
Squash	47.780	57.180	43.200	65.000	65.000
Tomato	86.610	90.110	72.090	90.000	88.140
Turnip	43.210	49.400	93.130	40.000	35.980
Fruits					
Apple	150.000	130.000	210.510	150.000	167.000
Avocado	270.830	352.250	333.290	375.000	446.000
Banana(dozen)	75.000	82.390	76.930	80.000	53.000

cont...

Table 5.1.12 cont...

Farm Products	2016	2017	2018	2019	2020
Cucumber	78.000	83.000	72.000	80.000	...
Guava	74.380	88.240	84.290	140.000	...
Lemon	118.650	150.000	162.250	145.000	...
Mango	104.280	138.330	142.190	205.000	169.000
Orange	106.180	123.790	171.460	170.000	98.000
Papaya	74.550	85.570	96.940	150.000	...
Passion Fruit	178.000	100.000	234.500	200.000	...
Pear	107.940	137.390	177.920	175.000	...
Pineapple (pcs)	61.300	61.030	66.190	75.000	...

Source: Department of Agriculture Marketing and Cooperatives, MoAF

Table 5.1.13: Price of Seeds and Seedling, 2016 - 2020

Seeds and Seedlings	Unit	2016	2017	2018	2019	2020
Cereals and Oil Seeds						
Maize (Y/pa, S/phangma, C/karpa)	5 kg/bag	30.000	30.000	...	30.000	56.800
Maize (P3377)	2 kg/pkt	225.000	290.000	290.000	267.000	267.000
Maize (P344)	2 kg /pkt	190.000	290.000	290.000	...	...
Paddy (BRK-1 & 2, BK-1 & 2)	20 kg/bag	35.000	35.000	35.000	40.000	40.000
Paddy (Bajo Maap)	20 kg/bag	50.000	50.000	...	50.000	50.000
Paddy (Bajo kaap-1&2 & IR-64)	20 kg/bag	50.000	40.000	...	45.000	45.000
Paddy (No.K/Map, YRK-1 & 2 and Yrm)	20 kg/bag	60.000	60.000	68.000	71.000	71.000
Wheat (Sonalika, Baj & Agreeem)	20 kg/bag	35.000	35.000	38.000	38.000	...
Dhaincha	20 kg/bag	60.000	60.000	...	61.000	61.000
Mustard (M-27)	5 kg /Bag	90.000	90.000	90.000	90.000	90.000
Soya bean (Lebi -1)	10 kg/bag	85.000	85.000	...	86.000	86.000
Vegetable Seeds						
Beans (Top crop/borlотно)	50 gm/pkt	10.000	10.000	11.000	13.000	14.000
Beetroot (DDR)	10 gm/pkt	10.000	10.000	13.000	15.000	15.000
Bitter Gourd (Hybrid)	10 gm/pkt	25.000	25.000	...	32.000	32.000
Bottle Gourd (Hybrid)	10 gm/pkt	25.000	25.000	...	32.000	32.000
Brinjal (PP Long)	10 gm/pkt	15.000	15.000	...	15.000	15.000
Broccoli (Centauro)	10 gm/pkt	310.000	310.000	...	226.000	255.000
Broccoli (Dessico - OP)	10 gm/pkt	10.000	10.000	10.000	13.000	13.000
Bunching Onion (No-21)	10 gm/pkt	25.000	25.000	25.000	25.000	25.000
Cabbage (Hybrid)	10 gm/pkt	145.000	205.000	...	149.000	156.000
Cabbage (Golden Acre)	10 gm/pkt	30.000	40.000	29.000	32.000	41.000
Carrot (ASC - Hybrid)	10 gm/pkt	80.000	115.000	86.000	95.000	...
Carrot (N. Kuroda)	10 gm/pkt	20.000	20.000	20.000	22.000	22.000
Cauliflower (Hybrid)	10 gm/pkt	180.000	255.000	172.000	177.000	202.000
Cauliflower (K.early/K.late)	10 gm/pkt	15.000	15.000	17.000	19.000	19.000
Chilli-IR-8 (Indian)	10 gm/pkt	10.000	10.000	10.000	13.000	13.000
Chilli (Sha ema))	10 gm/pkt	10.000	10.000	...	20.000	20.000
Chinese Cabbage	10 gm/pkt	10.000	10.000	10.000	13.000	13.000
Coriander (Local)	10 gm/pkt	15.000	15.000	15.000	15.000	15.000
Cucumber (Frontier)	10 gm/pkt	100.000	100.000	100.000	100.000	100.000
Cucumber (S. Genchu)	10 gm/pkt	15.000	15.000	17.000	23.000	23.000
Cucumber (santon No 1)	10 gm/pkt	25.000	25.000	28.000	29.000	29.000
Garlic (Local)	10 gm/pkt	195.000	195.000	...	195.000	195.000
Ginger (Local)	10 gm/pkt	100.000	100.000	...	100.000	...
Japanese Green (Mibuna)	10 gm/pkt	10.000	10.000	10.000	15.000	15.000

cont...

Table 5.1.13 cont...

Seeds and Seedlings	Unit	2016	2017	2018	2019	2020
Japanese Green (Taisai)	10 gm/pkt	10.000	10.000	10.000	15.000	15.000
Ladies Finger (PS)	10 gm/pkt	15.000	15.000	17.000	18.000	18.000
Lettuce (Great Lake)	5 gm/pkt	20.000	20.000	25.000	29.000	29.000
Sag (Him Beauty)	10 gm/pkt	10.000	10.000	14.000	15.000	15.000
Onion (OP/ B-Red)	10 gm/pkt	20.000	20.000	20.000	22.000	22.000
Onion (Pune Red)	10 gm/pkt	25.000	25.000	25.000	25.000	25.000
Peas (Mr. Rig). Hybrid	50 gm/pkt	10.000	10.000	11.000	13.000	13.000
Peas (Usui/Arkel)	50 gm/pkt	10.000	10.000	11.000	13.000	13.000
Beans (Pole bean white)	50 gm/pkt	14.000	10.000	11.000	...	18.000
Pumpkin (T-Kabuta)	10 gm/pkt	15.000	10.000	13.000	15.000	15.000
Radish (Ivory white)	10 gm/pkt	10.000	10.000	10.000	11.000	11.000
Radish (Minowase)	10 gm/pkt	10.000	10.000	10.000	13.000	13.000
Radish (Tokinashi)	10 gm/pkt	15.000	15.000	19.000	20.000	11.000
Spinach All (Green/Beet)	10 gm/pkt	10.000	10.000	10.000	13.000	20.000
Squaush (Zucchini)	10 gm/pkt	15.000	10.000	14.000	15.000	13.000
Tomato (PS-61)	5 gm/pkt	110.000	110.000	121.000	122.000	122.000
Tomato (Ratan/Roma)	5 gm/pkt	15.000	15.000	17.000	18.000	18.000
Turnip (PTWG)	10 gm/pkt	10.000	10.000	13.000	13.000	13.000
Water melon (Sugar Baby)	10 gm/pkt	15.000	15.000	18.000	22.000	22.000
Water melon (Hybrid)	10 gm/pkt	330.000	330.000	330.000	...	...
Potato Red (Desiree)	50 kg/bag	25.000	27.000	...	27.000	32.000
Potato White varieties	150 kg/bag	24.000	25.000	...	26.000	26.000
Temperate fruit seedlings						
Almond (Kagzi)	Number	90.000	90.000	90.000	100.000	100.000
Apple (All Varieties)	Number	80.000	80.000	80.000	90.000	90.000
Apricot (Shakharpara)	Number	90.000	90.000	90.000	100.000	100.000
Asparagus seedlings (MW)	Number	4.000	4.000	4.000	4.000	4.000
Cherry (Seneka/Jabouny)	Number	80.000	80.000	90.000	95.000	90.000
Chestnut (Jeuphu-1)	Number	50.000	50.000	50.000	60.000	60.000
Peach (N-wase/S-Hakuto)	Number	90.000	90.000	90.000	100.000	100.000
Pear (Hosui/Kosui/Chujoro/William)	Number	75.000	75.000	75.000	96.000	96.000
Persimmon (Fuyu/Jiro)	Number	110.000	110.000	110.000	125.000	125.000
Plum (Santarosa/Stanley)	Number	90.000	90.000	90.000	100.000	100.000
Straw berry (Chandler)	Number	7.000	7.000	7.000	9.000	9.000
Walnut (Grafted – Kagzi)	Number	185.000	185.000	185.000	205.000	205.000
Subtropical fruit seedlings						
Areca nut (Bhur S-1)	Number	40.000	40.000	40.000	55.000	55.000

cont...

Table 5.1.13 cont...

Seeds and Seedlings	Unit	2016	2017	2018	2019	2020
Avocado (Hasa/Pink caton)	Number	135.000	135.000	135.000	150.000	150.000
Banana (Chinichampa/Jahaji)	Number	40.000	40.000	40.000	50.000	50.000
Cardamom (Seedling multiplied)	Number	11.000	9.000	9.000	10.000	10.000
Cardamom (through seeds)	Number	13.000	13.000	...	...	10.000
Mandarin Orange (grafted)	Number	90.000	90.000	...	...	...
Mandarin Orange (seedlings)	Number	35.000	35.000	35.000	50.000	50.000
Gauva (L-49)	Number	45.000	45.000	45.000	45.000	45.000
Jack fruit (Bhur S-1)	Number	15.000	15.000	15.000	21.000	21.000
Litchi (E-Bedana/Shahi)	Number	60.000	60.000	60.000	75.000	75.000
Mango graft (Langra/DS/AP/CH)	Number	75.000	75.000	75.000	85.000	85.000
Papaya	Number	15.000	15.000	15.000	23.000	23.000
Passion fruit (Local)	Number	15.000	15.000	15.000	20.000	20.000
Pine apple (Sugar baby)	Number	35.000	35.000	35.000	25.000	25.000
Pomegranate (Bedana)	Number	30.000	30.000	30.000	50.000	50.000

Source: National Seed Centre, MoAF

Table 5.1.14: Price of Plant Protection Chemicals and Fertilizer, 2016 - 2020

Category	PP Chemicals	Unit	2016	2017	2018	2019	2020
Insecticides	Alphacypermethrin	1000 ml	...	299,000	...	...	...
	Chlorpyrifos 20 EC	100 ml	34,000	32,000	32,000	35,000	38,000
	Cypermethrin 10 EC	100 ml	28,000	28,000	32,000	30,000	32,000
	Dimethoate 30 EC	100 ml	39,000	38,000	38,000	...	...
	Fenvelerate 0.4D	1 kg	32,000	32,000	52,000	42,000	47,000
	Malathion 50 EC	100 ml	...	...	...	40,000	55,000
Fungicides	Captan 50 WP	500 gms	273,000	247,000	...	82,000	113,000
	Carbendazim 50 WP	250 gms	100,000	96,000	96,000	109,000	108,000
	Copper Oxchloride 50 WP	100 gms	58,000	47,000	47,000	42,000	...
	Hexaconazole SEC	100 ml	37,000	34,000	34,000	...	36,000
	Mancozeb 75 WP	250 gms	...	...	74,000	68,000	66,000
	Metalaxyl 8% + Mancozeb 64 %	100 gms	58,000	53,000	...	49,000	...
	Sulphur 80 WP	250 gms	68,000	131,000	95,000	...	42,000
	Tricyclazole 75 WP	100 gms	122,000	102,000	...	...	...
	Butachlor 5 G	20 kg	37,000	37,000	...	...	41,000
Herbicides	Glyphosate 41 SL	500 ml	153,000	129,000	124,000	131,000	134,000
	Metribuzim 70 WP	100 gms	127,000	104,000	...	568,000	508,000
Rhodentocides	Zinc Phosphide	10 gms	13,000	13,000	13,000	13,000	...
Non-toxic/ Bio-pesticides	Azadirachtin 0.3%	100 ml	58,000	58,000	...	60,000	...
	Orchard sprays Oil/Tree spray oil/ Horticulture Mineral oil	100 liters	157,000	157,000	...	...	56,000
	Stiker/Spreader/Activator	250 ml	67,000	67,000	65,000	59,000	270,000
	Urea (46 % N)	50 Kg pack	935,000	938,000	983,000	885,000	885,000
Fertilizers	Urea (46% N)	10 Kg pack	200,000	220,000	218,000	218,000	218,000
	Suphala (NPK 15:15:15)	50 Kg pack	1,785,000	1,870,000	1,876,000	1,876,000	1,876,000

cont...

Table S.1.1.4 cont...

Category	PP Chemicals	Unit	2016	2017	2018	2019	2020
	Suphala (NPK 15:15:15)	20 Kg pack	730.000	780.000	775.000	775.000	775.000
	Suphala (NPK 15:15:15)	10 Kg pack	...	400.000	396.000	...	...
	Suphala (NPK 15:15:15)	5 Kg pack	...	205.000	204.000	...	...
	Single Superphosphate-SSP(16% P ₂ O)	50 Kg pack	930.000	985.000	977.000	977.000	977.000
	Bone Meal	50 Kg pack	2,840.000	2,840.000	2,065.000	2,065.000	2,065.000
	Muriate of potash-MOP(60% K ₂ O)	50 Kg pack	1,980.000	2,145.000	2,132.000	2,132.000	2,132.000
	Borax (20% Boron minimum)	5 Kg pack	870.000	945.000	938.000	938.000	938.000
	Diammonium phosphate-DAP (18%N 46%P ₂ O)	50 Kg pack	2,405.000	2,405.000	...	...	...
	Calcium Ammonium Nitrate-CAN	50 Kg pack	1,335.000	1,335.000	...	...	...

Source: National Plant Protection Centre, MoAF

Table 5.2.1: Number of Livestock by Type, 2016 - 2020

Animal breed	2016	2017	2018	2019	2020
Livestock					
Brown Swiss pure breed	161	104	17	25	133
Brown Swiss cross breed	4,857	4,569	3,929	4,270	4,112
Buffalo	532	550	531	477	398
Doeb-Doebum	12,416	12,676	11,950	9,689	9,290
Doethra-Doethram	12,396	12,597	12,357	11,652	11,248
Holsten-Friesian breed	639	770	1,046	1,183	1,056
Jaba	1,685	1,682	2,204	2,212	2,443
Jatsha-Jatsam	33,318	33,886	33,301	32,473	27,009
Jersey Pure breed	3,851	4,172	4,644	4,399	4,674
Jersey Cross breed	90,407	98,666	103,012	109,684	108,676
Mithun	577	502	418	453	390
Nublang-Thrabum	114,672	103,524	97,274	98,277	86,807
Yaks	40,438	41,528	41,463	41,918	40,897
Yangku-Yangkum	28,895	30,604	29,182	28,725	25,567
Zo-zoms	9,179	8,806	9,581	9,904	10,680
Other Livestock					
Equine	18,890	18,211	16,820	16,792	14,649
Pig	15,324	18,815	21,200	20,070	17,577
Poultry	1,038,553	1,118,178	1,099,493	1,299,810	1,383,714
Sheep	11,277	10,444	10,786	11,466	10,793
Goat	39,513	42,689	43,839	47,735	44,119

Source: Agricultural Statistics Division, NSB

Table S.2.2: Number of Livestock by Type and Dzongkhag, 2016 - 2020

Dzongkhag	Brown Swiss pure					Brown Swiss cross					Buffalo				
	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020
Bumthang	...	...	1	7	27	2,247	2,225	1,603	2,005	2,023	...	...	...	...	...
Chhukha	6	...	1	2	1	...	...	5	...	...	2	10	2	2	...
Dagana	...	...	...	...	...	...	...	...	...	...	29	40	38	15	17
Gasa	1	13	...	...	...	107	91	113	118	63	...	...	...	...	...
Haa	...	...	...	1	...	1	1	1	...	...	...	...	...	...	...
Lhuentse	2	1	...	...	26	389	408	381	351	413	...	...	...	...	...
Monggar	74	81	...	6	66	180	194	210	228	165	...	...	...	...	...
Paro	1	...	...	...	...	44	76	39	29	11	...	...	...	...	...
Pema Gatshel	...	...	...	...	...	13	12	11	10	7	...	...	...	...	...
Punakha	4	1	1	1	4	61	51	49	47	35	...	...	...	...	...
Samdrup Jongkhar	...	1	...	...	...	...	...	...	3	...	10	12	9	4	1
Samtse	...	...	3	3	...	3	1	12	10	9	308	279	289	225	230
Sarpang	1	1	9	1	4	32	92	54	50	4	41	73	57	79	31
Thimphu	...	...	1	1	...	3	1	1	...	...	...	...	...	...	...
Trashigang	8	...	...	...	...	570	28	18	24	16	...	...	...	...	...
Trash Yangtse	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...
Trongsa	...	...	1	...	...	194	226	231	129	85	...	...	...	...	...
Tsirang	...	6	...	...	...	1	10	1	...	2	142	136	155	150	119
Wangdue Phodrang	...	...	...	1	5	1,003	1,109	1,154	1,141	1,176	...	...	...	...	...
Zhemgang	...	...	...	...	...	9	10	10	6	46	...	...	...	...	...
Total	97	104	17	25	133	4,857	4,535	3,893	4,151	4,055	532	550	550	475	398

cont...

Table 5.2.2 cont...

Dzongkhag	Doeb-Doebum				Doethra-Doethram						Holsten-Friesian breed				
	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020
Bumthang	880	784	667	669	429	25	54	32	42	6	1	3	6	5	12
Chhukha	78	80	138	222	118	192	155	176	185	145	124	169	229	227	145
Dagana	2,662	2,603	5,343	791	710	7,074	7,409	14,259	6,904	6,179	...	...	...	...	...
Gasa	53	57	46	39	4	51	54	38	35	9	...	...	...	...	...
Haa	...	...	10	6	18	...	...	...	...	5	...	2	16	17	16
Lhuentse	1,090	1,564	1,520	1,394	1,448	570	693	701	689	931	5	20	24	48	15
Monggar	1,622	1,657	1,359	1,513	1,267	1,060	926	1,288	983	482	2	33	45	37	41
Paro	92	106	224	131	319	90	99	167	62	579	10	56	35	29	14
Pema Gatshel	27	26	13	16	2	15	20	12	25	35	28	25	68	92	90
Punakha	264	271	292	325	278	265	224	270	314	424	...	...	...	...	4
Samdrup Jongkhar	368	367	320	320	174	190	189	250	269	111	66	78	59	55	65
Samtse	58	24	42	85	58	1,012	68	86	64	13	54	1	31	140	158
Sarpang	166	934	1,051	713	518	33	14	106	68	18	...	14	17	35	28
Thimphu	16	19	9	22	...	1	11	2	2	5	7	24	35	39	18
Trashigang	1,842	882	666	627	1,021	1,051	857	475	455	583	217	228	311	281	205
Trashi Yangtse	331	215	114	82	970	175	27	37	13	27	42	38	47	60	93
Trongsa	474	498	514	553	562	184	253	236	225	93	2	2	2	...	...
Tsirang	...	5	2	...	...	67	6	...	...	36	...	...	20	38	70
Wangdue Phodrang	761	730	588	540	295	7	790	961	980	1,420	...	...	19	38	29
Zhemgang	1,632	1,854	1,671	1,641	1,099	334	748	349	337	147	...	...	2	4	6
Total	12,416	12,676	14,589	9,689	9,290	12,396	12,597	19,445	11,652	11,248	558	693	966	1,145	1,009

cont...

Table S.2.2 cont...

Dzongkhag	Jaba				Jatsha-Jatsam						Jersey Pure breed				
	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020
Bumthang	...	...	...	...	...	836	932	881	939	859	3	7	33	36	13
Chhukha	26	1	...	...	...	1,641	1,728	1,923	1,823	1,915	693	461	724	560	57
Dagana	...	...	...	...	349	728	744	1,277	574	545	236	145	298	144	218
Gasa	5	4	...	...	...	81	75	76	95	135	5	2	2	4	...
Haa	...	...	...	...	...	928	1,177	1,205	1,057	604	21	25	23	15	7
Lhuentse	11	9	10	9	2	2,582	2,583	2,487	2,594	2,573	5	6	8	10	178
Monggar	229	158	157	179	71	5,810	5,616	5,231	4,974	4,603	815	1,078	1,534	1,508	1,805
Paro	8	7	3	...	211	1,346	1,233	1,160	1,347	323	56	51	42	11	45
Pema Gatshel	101	88	105	21	48	722	704	617	506	427	10	53	28	22	43
Punakha	...	...	...	...	...	873	807	807	765	664	33	49	56	13	33
Samdrup Jongkhar	632	512	509	604	562	2,387	2,473	2,092	2,251	1,936	184	109	255	276	162
Samtse	124	3	639	645	82	513	280	323	384	367	627	671	715	907	738
Sarpang	216	651	544	506	251	1,290	1,771	1,971	1,697	363	449	416	468	472	342
Thimphu	...	...	...	...	...	144	228	71	71	44	67	7	73	75	54
Trashigang	275	197	145	210	781	5,716	6,028	6,184	5,942	5,357	342	753	44	42	32
Trashig Yangtse	3	5	51	22	58	1,690	1,641	1,331	1,095	980	72	102	73	96	148
Trongsa	...	...	...	...	...	1,429	1,790	1,447	1,442	938	24	19	23	21	508
Tsirang	6	4	...	...	...	82	80	25	54	53	12	6	10	10	17
Wangdue Phodrang	6	...	...	...	...	1,679	1,847	2,053	2,289	1,898	49	61	79	80	149
Zhemgang	43	43	41	16	28	2,841	2,149	2,776	2,574	2,425	39	60	88	61	71
Total	1,685	1,682	2,204	2,212	2,443	33,318	33,886	33,937	32,473	27,009	3,742	4,081	4,576	4,363	4,620

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Table S.2.2 cont...

Dzongkhag	Jersey Cross breed					Mithun					Nublang-Thrabum				
	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020
Bumthang	3,843	4,669	5,038	5,701	5,461	4	7	5	6	1	1,535	1,685	1,558	1,407	1,135
Chhukha	4,347	5,164	5,530	5,997	5,954	21	29	30	29	11	11,558	10,146	10,816	10,678	9,224
Dagana	3,817	4,168	8,808	4,523	4,563	3	13	6	7	6	3,458	3,461	6,646	4,599	2,547
Gasa	525	620	623	764	876	...	...	...	...	...	183	118	110	98	177
Haa	3,527	3,487	3,720	3,636	3,155	...	...	2	2	1	3,789	3,831	4,050	3,195	3,210
Lhuentse	2,680	2,950	3,116	3,297	3,433	12	16	20	18	14	2,708	2,066	1,980	1,983	2,379
Monggar	7,160	7,698	7,927	8,850	8,976	19	23	25	23	27	2,941	3,063	3,072	2,995	3,131
Paro	5,849	6,610	5,994	6,301	5,905	6	5	6	4	2	4,978	5,141	4,791	4,936	2,505
Pema Gatshel	5,438	6,709	6,172	5,910	5,838	5	3	4	1	1	555	495	464	522	650
Punakha	3,384	3,168	3,556	3,988	3,995	3	4	3	4	2	5,743	5,593	5,566	5,193	4,939
Samdrup Jongkhar	6,049	5,449	7,134	7,651	7,980	40	50	21	26	19	3,067	2,834	2,347	2,182	2,149
Samtse	5,713	6,538	6,950	7,349	7,783	13	31	10	8	14	31,137	23,639	21,974	22,873	24,040
Sarpang	7,029	8,266	9,024	9,164	9,274	4	50	5	32	37	10,449	9,524	8,036	8,747	6,602
Thimphu	2,874	2,981	2,450	2,517	2,047	2	...	...	...	...	1,567	1,631	998	1,036	871
Trashigang	7,255	7,898	8,694	9,667	8,681	57	37	35	45	34	5,265	4,716	4,070	4,494	3,877
Trashi Yangtse	3,520	3,860	3,665	3,943	4,585	9	14	11	11	7	4,424	4,487	4,089	3,727	2,725
Trongsa	3,483	3,721	3,636	3,976	3,196	4	4	5	4	2	3,263	3,390	3,682	3,568	2,579
Tsirang	6,893	6,700	7,179	7,574	7,784	1	1	1	1	3	4,800	4,496	4,109	3,776	2,783
Wangdue Phodrang	4,522	4,965	5,429	5,582	5,889	12	13	13	13	4	12,389	12,206	11,486	11,403	10,133
Zhemgang	2,382	2,814	2,636	3,047	3,006	173	12	19	8	11	675	704	438	528	836
Total	90,290	98,435	107,281	109,437	108,381	388	312	221	242	196	114,484	103,226	100,282	97,940	86,492

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Table S.2.2 cont...

Dzongkhag	Yaks					Yangku-Yangkum					Zo-Zom				
	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020
Bumthang	3,613	3,917	3,771	3,972	3,400	1,000	952	1,056	1,193	773	47	80	38	16	9
Chhukha	...	...	...	...	...	1,075	1,116	1,128	1,147	1,503	61	...	...	...	...
Dagana	...	...	...	...	...	404	323	601	258	188	...	...	...	...	...
Gasa	6,553	6,527	6,481	6,389	6,386	114	129	101	117	234	...	12	...	...	...
Haa	4,771	5,095	4,915	5,218	4,285	853	509	514	477	349	...	...	...	...	...
Lhuentse	288	335	273	288	239	2,890	3,168	3,183	3,153	2,595	80	91	89	99	64
Monggar	...	...	...	...	...	5,885	6,278	5,788	5,681	4,895	...	...	...	...	...
Paro	3,186	3,332	3,713	3,799	4,068	637	740	860	597	975	...	...	...	...	...
Pema Gatshel	...	...	...	...	...	719	740	761	673	436	...	...	...	...	...
Punakha	...	...	...	...	...	822	881	876	839	814	...	...	...	...	...
Samdrup Jongkhar	3	3	...	2	17	1,832	1,795	1,585	1,592	1,594	10	12	14	14	11
Samtse	...	...	...	...	...	95	232	236	312	256	...	...	...	...	...
Sarpang	...	...	...	...	...	745	1,167	1,385	1,301	678	...	...	...	...	...
Thimphu	10,331	10,768	10,657	10,552	10,871	99	109	54	62	19	...	...	...	...	...
Trashigang	6,983	6,483	6,670	6,683	7,427	4,703	4,143	3,933	4,021	4,208	8,981	8,611	9,440	9,775	10,502
Trashigangtse	831	727	706	706	235	1,448	1,286	1,154	1,099	936	...	...	...	...	94
Trongsa	284	226	305	303	259	1,232	1,684	1,288	1,308	850	...	...	...	...	...
Tsirang	...	...	...	...	...	11	22	43	6	46	...	...	...	...	...
Wangdue Phodrang	3,595	4,115	3,972	4,006	3,710	1,497	1,598	1,935	1,889	1,361	...	...	...	...	...
Zhengang	...	...	...	...	...	2,834	3,728	3,001	2,999	2,857	...	...	...	...	...
Total	40,438	41,528	41,463	41,918	40,897	28,895	30,600	29,482	28,724	25,567	9,179	8,806	9,581	9,904	10,680

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Table S.2.2 cont...

Dzongkhag	Equine				Pig						Poultry				
	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020
Bumthang	909	924	944	1,203	987	80	52	60	61	...	2,453	5,557	13,243	14,150	4,259
Chhukha	461	419	396	286	187	1,072	1,181	2,033	2,198	1,455	43,965	140,530	72,163	170,075	236,287
Dagana	342	344	573	265	183	2,015	2,528	5,080	2,278	1,820	36,257	32,358	90,563	55,077	61,572
Gasa	2,186	2,156	2,259	2,324	2,149	...	...	...	...	...	2,150	2,247	2,271	1,836	2,510
Haa	1,182	1,077	939	944	452	119	88	75	61	78	10,125	8,820	9,204	9,361	8,733
Lhuentse	1,250	1,236	1,193	1,177	1,017	183	185	177	91	138	13,413	19,987	24,343	26,693	26,120
Monggar	1,382	1,094	820	726	537	500	285	257	222	126	32,469	37,865	40,451	43,388	41,412
Paro	1,653	1,757	1,465	1,635	1,853	298	490	478	434	254	23,597	24,369	30,154	41,594	74,936
Pema Gat-shel	396	321	253	159	137	501	523	445	311	283	18,847	23,718	21,864	26,492	25,592
Punakha	411	389	398	383	368	241	218	178	127	225	13,508	10,563	13,204	15,826	14,340
Samdrup Jongkhar	699	593	451	397	262	339	375	252	305	283	34,968	37,170	30,136	30,510	57,123
Samtse	314	355	341	302	240	1,454	1,724	1,939	2,197	1,896	67,585	101,773	119,516	150,237	153,660
Sarpang	450	482	429	376	222	3,771	3,710	4,277	4,074	3,650	331,320	345,573	305,576	336,769	305,819
Thimphu	1,586	1,675	1,795	2,037	2,034	71	174	182	222	305	63,058	35,618	49,910	49,684	49,070
Trashigang	2,579	2,475	2,151	2,070	1,732	372	285	288	189	99	21,745	20,049	21,895	24,459	32,632
Trashiyangtse	1,166	1,046	853	904	815	225	146	136	90	69	17,257	15,838	15,425	13,418	16,919
Trongsa	189	216	211	162	96	10	38	1	4	23	12,131	7,222	7,153	12,955	9,296
Tsirang	95	83	61	68	65	1,912	2,325	2,657	2,950	2,394	231,748	145,225	170,453	153,161	166,175
Wangdue Phodrang	579	572	559	504	321	529	860	1,175	1,857	994	17,219	26,050	33,641	46,733	48,041
Zhemgang	975	936	892	740	610	652	1,057	614	582	307	17,272	27,168	18,339	19,044	21,613
Total	18,804	18,150	16,983	16,662	14,267	14,344	16,244	20,304	18,253	14,399	1,011,087	1,067,700	1,089,504	1,241,462	1,356,109

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Table 5.2.2 cont...

Dzongkhag	Sheep					Goat				
	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020
Bumthang	258	127	248	269	185	6	9	150	81	1
Chhukha	633	594	739	836	525	4,577	4,431	5,240	6,265	5,372
Dagana	118	110	144	84	48	7,776	8,355	16,795	8,376	7,668
Gasa	...	...	...	...	...	2	2	3	2	1
Haa	1	...	...	...	...	31	39	37	26	31
Lhuentse	65	62	37	153	93	89	27	55	48	28
Monggar	4	3	26	22	2	48	45	122	41	46
Paro	13	10	15	10	3	46	51	36	98	69
Pema Gatshel	...	...	...	...	...	26	34	32	38	11
Punakha	118	146	257	17	9	235	208	241	197	226
Samdrup Jongkhār	37	28	27	68	30	1,327	1,902	1,778	1,844	1,702
Samtse	4,340	4,720	5,150	5,482	4,932	12,641	13,387	14,198	16,809	16,127
Sarpang	554	638	701	761	540	4,115	4,813	4,395	4,710	4,438
Thimphu	4	1	20	1	1	56	81	30	20	29
Trashigang	3,094	2,193	2,121	2,185	2,554	241	286	244	260	209
Trashī Yangtse	2	55	2	1	1	117	308	56	59	40
Trongsa	107	132	124	140	162	62	92	103	98	24
Tsirang	169	146	131	86	49	7,690	8,344	8,360	8,445	7,967
Wangdue Phodrang	1,349	948	847	1,064	1,449	243	88	220	147	49
Zhengang	...	...	...	...	3	34	37	45	124	21
Total	10,866	9,913	10,589	11,179	10,586	39,362	42,539	52,140	47,688	44,059

Source: Agricultural Statistics Division, NSB

Table 5.2.3: Dairy and Livestock Production by Type, 2016 - 2020

(Metric tonne)

Livestock Products	2016	2017	2018	2019	2020
Milk	47,270.0	50,251.0	52,816.0	57,547.0	58,197.2
Butter	1,711.0	2,053.0	1,948.0	2,125.6	2,096.7
Cheese	3,667.0	4,298.0	3,953.0	4,091.0	4,219.1
Beef	537.0	501.0	410.0	487.9	696.8
Pork	740.0	928.0	972.0	1,113.0	878.6
Chicken	1,209.0	1,349.0	1,687.0	1,926.4	1,835.4
Fish	188.0	223.0	200.0	209.0	181.6
Chevon	192.0	195.0	257.0	281.0	295.7
Egg (in million)	105.3	116.7	125.2	135.7	172.5
Honey	41.9	48.3	62.0	65.9	44.2
Wool	12.4	7.8	8.6	25.3	5.7

Source: Agricultural Statistics Division, NSB

Table S.2.4: Dairy and Livestock Production by Dzongkhag, 2016 - 2020

(Metric tonnes)

Dzongkhag	Milk				Butter					
	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020
Bumthang	2,624.551	2,720.782	2,619.727	3,314.197	3,288.820	98.309	196.634	117.826	131.254	107.141
Chhukha	2,276.251	2,436.189	2,797.594	3,071.606	2,780.088	72.407	67.848	64.355	72.107	65.840
Dagana	2,340.509	2,717.386	6,196.822	2,749.229	2,955.515	86.227	111.381	247.782	115.361	118.750
Gasa	535.956	546.512	555.098	594.953	431.494	26.817	28.940	30.497	32.415	47.933
Haa	2,066.012	2,301.031	2,383.756	2,488.136	2,442.791	59.410	66.245	67.508	70.226	91.481
Lhuentse	1,447.230	1,536.106	1,583.507	1,752.622	1,815.790	71.723	75.801	76.378	81.223	79.578
Monggar	4,323.050	4,565.184	4,466.975	5,291.689	5,032.108	174.456	213.695	187.971	224.567	218.204
Paro	2,455.924	3,288.124	3,091.818	3,437.117	3,928.462	94.754	112.651	104.653	107.084	106.041
Pema Gatshel	1,686.191	1,725.777	1,832.800	1,896.265	1,974.569	72.256	79.339	78.167	78.712	67.426
Punakha	1,220.309	1,251.919	1,260.705	1,379.421	1,390.959	47.658	53.871	58.199	60.183	57.644
Samdrup Jongkhar	2,632.492	2,661.197	3,898.379	4,229.696	3,966.384	72.513	65.875	92.563	108.268	86.290
Samtse	3,559.955	3,750.757	4,294.162	4,783.490	4,951.052	102.534	126.536	115.213	131.369	151.639
Sarpang	2,292.717	2,670.673	2,565.881	2,833.940	3,626.673	66.937	88.192	82.621	93.623	121.623
Thimphu	1,786.795	1,784.250	1,884.579	1,887.448	1,901.492	59.388	58.448	54.809	62.705	54.999
Trashigang	6,710.097	6,098.206	5,544.835	6,323.354	6,180.256	222.874	273.529	240.198	275.290	258.326
Trashi Yangtse	1,805.399	2,005.146	2,007.042	2,055.639	1,995.275	88.095	99.042	98.064	102.609	97.712
Trongsa	1,192.369	1,421.862	1,520.307	1,627.485	1,546.857	52.461	65.418	70.442	73.983	67.309
Tsirang	2,394.930	2,059.374	2,515.000	2,657.340	2,951.401	86.946	76.744	78.508	86.033	92.570
Wangdue Phodrang	2,481.151	2,813.951	3,070.481	3,311.309	3,260.112	120.083	133.292	146.204	156.160	140.084
Zhemgang	1,254.666	1,659.150	1,497.240	1,631.822	1,491.767	32.855	59.468	59.901	62.420	63.990
Total	47,086.554	50,013.576	55,586.708	57,316.758	57,911.865	1,708.703	2,052.949	2,071.859	2,125.592	2,094.580

cont...

Table S.2.4 cont...

Dzongkhag	Cheese				Beef					
	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020
Bumthang	204.753	474.947	233.757	215.018	217.899	30.530	24.824	22.844	22.909	19.472
Chhukha	117.058	115.674	106.260	114.667	156.723	13.225	17.523	17.128	17.667	19.835
Dagana	80.790	111.364	251.705	125.681	136.945	53.462	32.867	75.866	46.113	16.881
Gasa	29.394	33.275	26.372	25.942	40.111	...	...	...	...	3.464
Haa	86.193	96.497	99.626	99.548	139.815	3.020	3.230	7.440	1.720	6.875
Lhuentse	128.186	134.603	136.111	146.233	143.948	32.710	58.565	52.870	32.375	26.483
Monggar	607.006	631.202	604.216	403.657	657.556	58.964	68.012	74.789	88.243	119.734
Paro	141.619	177.797	161.810	163.693	137.688	4.499	4.715	7.245	30.363	33.309
Pema Gatshel	129.972	142.611	139.510	141.353	113.457	9.050	7.200	10.150	10.750	27.958
Punakha	76.257	92.977	102.188	164.804	142.673	45.980	7.882	8.070	12.285	19.641
Samdrup Jongkhar	130.406	105.332	160.128	313.993	151.993	67.685	47.985	38.936	32.901	66.738
Samtse	371.051	331.975	519.471	390.043	287.032	22.864	41.486	19.031	8.376	19.552
Sarpang	120.538	141.498	123.819	156.348	366.515	6.855	6.855	0.150	9.905	5.800
Thimphu	144.741	213.149	195.298	281.392	248.439	4.850	12.220	9.440	7.790	4.490
Trashigang	429.164	525.899	440.263	517.429	470.347	32.584	27.705	16.219	19.558	57.804
Trashī Yangtse	157.901	178.193	176.354	184.894	177.064	21.815	50.920	33.255	80.590	42.088
Trongsa	295.323	311.417	121.862	126.604	111.295	56.699	67.490	26.043	33.364	32.793
Tsirang	153.904	159.996	138.209	153.370	159.827	16.995	4.000	17.502	1.500	64.829
Wangdue Phodrang	208.282	230.391	251.955	270.246	247.599	34.449	17.245	11.680	22.130	60.703
Zhemgang	52.019	89.244	89.814	94.238	105.844	20.570	...	...	9.363	48.341
Total	3,664.557	4,298.041	4,078.728	4,089.153	4,212.770	536.806	500.724	448.658	487.902	696.790

cont...

Table S.2.4 cont...

Dzongkhag	Pork					Chicken				
	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020
Bumthang	6.188	4.290	4.664	4.664	...	...	...	...	...	...
Chhukha	31.705	39.607	69.325	79.764	75.479	175.492	262.923	398.764	444.428	429.190
Dagana	60.369	79.646	184.022	82.153	90.636	96.146	97.193	238.166	120.271	141.146
Gasa	...	...	...	...	...	...	...	...	...	...
Haa	4.229	5.408	4.682	4.880	3.634	1.138	2.537	4.275	2.045	0.679
Lhuentse	10.866	11.305	10.625	9.810	9.878	...	...	...	...	0.166
Monggar	38.022	27.935	23.352	19.577	16.328	...	0.092	...	1.214	0.580
Paro	24.951	52.493	34.387	24.589	19.224	0.137	0.444	...	...	9.089
Pema Gatshel	21.986	26.884	28.248	30.442	25.634	0.080	0.147	...	...	0.353
Punakha	10.108	10.056	12.343	13.498	18.345	1.095	0.720	2.116	4.943	7.136
Samdrup Jongkhhar	20.363	38.193	26.505	42.639	20.421	31.738	51.967	56.027	67.405	133.626
Samtse	60.150	80.429	77.994	80.909	70.773	260.886	318.928	365.011	456.679	348.072
Sarpang	249.944	283.700	262.778	268.032	217.856	318.998	345.154	304.774	312.523	342.245
Thimphu	3.240	4.320	21.765	13.105	28.155	16.670	16.295	19.670	21.355	56.229
Trashigang	16.008	14.292	17.131	13.132	8.637	...	...	...	...	...
Trashi Yangtse	3.685	8.305	8.640	11.320	3.133	0.030	0.030	...	...	0.056
Trongsa	2.740	2.420	3.000	0.960	0.810	3.048	4.729	3.133	14.579	2.112
Tsirang	80.891	89.520	139.299	166.322	178.823	286.539	184.261	337.846	351.989	287.625
Wangdue Phodrang	40.247	64.258	80.845	199.692	49.496	14.030	22.609	48.554	120.756	56.661
Zhemgang	43.947	75.900	45.800	34.758	13.622	2.684	40.731	27.803	8.199	4.518
Total	729.639	918.961	1,055.405	1,100.246	850.884	1,208.711	1,348.760	1,806.139	1,926.386	1,819.483

cont...

Table S.2.4 cont...

Dzongkhag	Fish					Chevon				
	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020
Bumthang	...	...	...	...	...	...	...	...	...	...
Chhukha	0.447	0.983	0.548	4.963	1.428	5.513	11.953	16.595	18.674	20.641
Dagana	13.429	21.706	45.452	26.711	25.960	17.790	36.108	81.622	41.612	45.033
Gasa	...	...	...	...	...	...	...	...	...	...
Haa	...	4.500	5.015	5.120	3.000	0.137	0.112	0.128	0.128	0.152
Lhuentse	...	0.200	0.400	0.300	...	...	...	...	...	...
Monggar	3.780	4.267	3.645	2.550	0.035	...	...	...	...	...
Paro	...	...	...	...	1.187	...	...	...	...	...
Pema Gatshel	1.048	1.697	1.818	1.875	1.420	...	...	...	...	...
Punakha	1.045	1.650	2.755	1.650	1.723	0.179	0.380	0.559	0.410	0.452
Samdrup Jongkhar	49.202	69.752	54.146	41.180	33.896	6.544	8.661	9.627	10.518	10.387
Samtse	11.832	31.356	17.492	18.771	15.076	38.368	50.046	88.761	95.333	90.435
Sarpang	48.098	49.605	69.157	73.843	69.070	21.024	51.786	48.127	52.796	66.841
Thimphu	...	...	...	...	...	...	...	0.150	0.270	1.560
Trashigang	...	...	0.045	0.207	...	...	...	...	...	...
Trashiyangtse	...	...	...	...	...	...	...	...	...	...
Trongsa	...	...	...	...	...	0.005	0.700	0.180	0.195	0.090
Tsirang	9.947	6.106	14.617	16.029	6.403	24.427	34.795	52.809	59.321	59.260
Wangdue Phodrang	0.532	0.446	1.045	2.891	1.315	...	...	...	0.850	0.775
Zhemgang	11.144	7.650	7.488	10.608	3.680	0.070	...	...	0.885	0.078
Total	150.504	199.918	223.623	206.698	164.193	114.057	194.541	298.558	280.992	295.704

cont...

Table S.2.4 cont...

Dzongkhag	Egg (in '000)				Honey					
	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020
Bumthang	377.550	1,088.730	2,749.728	1,985.542	901.482	21.985	23.457	31.817	30.488	9.595
Chhukha	4,525.896	3,964.406	4,613.050	6,155.221	5,843.784	1.928	2.158	2.750	3.272	3.268
Dagana	1,898.884	2,200.108	4,578.978	3,593.499	4,549.978	2.213	3.549	7.405	3.972	4.688
Gasa	499.060	466.200	384.070	300.090	332.014	...	...	...	...	...
Haa	1,948.709	1,917.552	1,897.791	2,001.060	1,330.354	0.030	0.070	0.133	2.192	0.575
Lhuentse	2,312.730	4,214.165	4,269.952	4,407.162	4,886.242	...	...	...	0.015	...
Monggar	5,253.561	7,660.011	7,277.360	8,416.900	9,204.068	...	...	...	...	...
Paro	4,568.419	5,070.733	5,814.002	9,076.316	15,388.519	...	...	...	...	0.029
Pema Gatshel	2,563.219	3,271.318	3,364.143	3,570.934	3,022.506	...	...	...	0.007	...
Punakha	1,912.803	1,913.263	2,207.200	2,607.387	2,829.375	0.102	0.105	0.131	0.234	0.037
Samdrup Jongkhar	4,358.712	4,781.387	5,584.658	9,527.317	8,098.826	0.262	0.515	0.802	1.144	1.311
Samtse	3,122.198	4,355.260	4,258.415	5,631.516	7,453.414	3.190	4.333	5.327	6.552	5.883
Sarpang	25,634.825	26,559.521	28,654.486	28,971.199	48,024.105	9.579	10.278	10.879	10.810	12.555
Thimphu	11,943.221	8,931.385	9,561.523	10,368.421	10,081.466	...	...	0.141	0.217	0.283
Trashigang	3,081.690	3,673.357	4,127.864	4,676.023	6,001.636	...	...	...	0.011	0.006
Trashi Yangtse	4,059.420	3,662.110	3,667.260	3,206.040	3,809.278	...	...	...	...	...
Trongsa	1,501.417	1,590.109	1,118.256	1,086.300	1,234.520	...	...	0.007	0.025	0.014
Tsirang	18,546.853	19,007.848	20,393.495	22,768.603	27,654.286	2.573	3.145	4.900	5.818	4.260
Wangdue Phodrang	2,964.680	3,298.960	4,968.080	3,444.308	4,176.516	0.062	0.664	1.561	0.863	1.645
Zhemgang	3,223.410	5,458.320	3,615.870	3,884.290	4,385.532	...	...	...	0.276	0.032
Total	104,297.257	113,084.743	123,106.181	135,678.128	169,207.901	41.924	48.274	65.853	65.896	44.181

cont...

Table 5.2.4 cont...

Dzongkhag	Wool				
	2016	2017	2018	2019	2020
Bumthang	0.100	0.119	...	0.410	0.249
Chhukha	0.139	0.140	0.166	0.195	0.162
Dagana	0.086	0.091	0.074	0.030	0.008
Gasa	...	...	...	...	...
Haa	...	...	...	...	...
Lhuentse	0.017	0.012	0.014	0.014	0.018
Monggar	...	...	...	...	0.001
Paro	0.010	0.010	...	...	0.043
Pema Gatshel	...	...	...	...	...
Punakha	...	0.004	0.002	...	...
Samdrup Jongkhar	...	...	...	...	...
Samtse	2.288	2.480	3.176	3.705	1.923
Sarpang	0.467	0.961	0.545	0.635	0.081
Thimphu	0.719	0.847	0.232	0.795	0.155
Trashigang	8.088	2.763	3.090	4.892	1.436
Trashiyangtse	...	...	...	...	...
Trongsa	0.050	0.049	0.922	14.430	1.189
Tsirang	0.137	0.200	0.113	0.101	0.017
Wangdue Phodrang	0.296	0.122	0.157	0.087	0.220
Zhengang	...	...	...	...	...
Total	12.397	7.798	8.491	25.294	5.502

Source: Agricultural Statistics Division, NSB

Table 5.3.1: Imports and Sales of Food Items by Food Corporation of Bhutan, 2016 - 2020

(Metric tonne)

Commodity	2016	2017	2018	2019	2020
Imports					
Rice	8,733.83	8,646.00	8,555.06	10,387.72	26,309.47
Sugar	1,220.60	1,245.95	868.35	848.30	1,220.40
Salt	772.10	796.23	570.00	586.25	1,003.21
Edible Oil	1,618.28	1,342.14	1,173.42	1,323.76	3,201.72
Pulses	324.90	350.00	298.25	351.90	1,089.66
Maida	573.63	694.32	894.35	1,077.12	936.69
Atta	221.80	276.15	236.25	351.53	329.42
Sales					
Rice	8,517.88	8,140.99	8,833.26	10,365.78	18,518.21
Sugar	1,217.93	1,187.98	878.13	911.43	1,178.45
Salt	725.81	757.22	565.07	637.31	849.75
Edible Oil	1,567.30	1,278.66	1,230.54	1,289.61	2,905.04
Pulses	337.17	304.24	308.07	336.88	688.90
Maida	594.65	686.26	902.09	1,054.73	931.05
Atta	232.14	267.09	267.72	307.23	348.09

Note: The import figures include purchases made for school feeding supplies

Source: Food Corporation of Bhutan, Phuentsholing.

Table 5.3.2: Major Agriculture Commodities Auctioned by Food Corporation of Bhutan, 2016 - 2020

(Metric tonne)

Commodity	2016	2017	2018	2019	2020
Potatoes	25,810.62	25,687.38	31,537.30	30,277.08	2,753.01
Vegetables	3,603.58	4,104.04	3,463.10	5,091.66	3,160.92
Apples	28.84	28.26	12.38	32.03	...
Oranges	791.29	667.38	391.28	201.45	42.91
Pulses	13.31	7.67	8.54	5.67	...
Spices	502.28	587.41	250.29	167.85	289.60
Arecanut	378.86	485.13	131.06	483.46	546.77
Apricot	0.02	0.00	0.39	...	...
Peach	1.24	1.35	0.31	0.65	...
Plum	0.63	0.61	0.39	0.63	...
Pear	0.09	0.59	0.18	2.34	...

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 concerted efforts in protecting the environment and the priority has been on the sustainable use of natural resources in all its policies, plans and programs.

Bhutan's economy is dependent on the environment and natural resources primarily through agricultural production and hydropower. Within this context, sustainable development requires management of the complex array of forces on the natural environment that have accompanied economic development in recent years. These forces include, population pressure, agricultural development, land use change, hydropower development, mineral development industrialization, urbanization, tourism, competition for available land, road construction and provision of other physical infrastructure associated with social and economic development. Such forces have given rise to a number of key environmental issues that Bhutan now faces.

The major environmental issues currently faced are: land degradation, loss of biodiversity, increased pollutions, waste management, urbanization and industrial development. Addressing these issues to achieve sustainable development is a major challenge to the country. In order to address these issues, the comprehensive statistics on environment is crucial for proper planning and formulation of policies to improve the state of Environment in the country.

The chapter on Environment Statistics gives some general statistics on atmosphere, land cover and use, climate and weather, hydrographic characteristics, geological & geographic information, biodiversity and forests. It also gives statistics on extraction & trade of minerals, 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 6.1.1: Land Cover by Major Categories, 2010 and 2016

Land Cover class	Sub-Class	LCMP 2010			LULC 2016		
		Total Area (Ha)	Area (%)	Total Area (%)	Total Area (Ha)	Area (%)	Total Area (%)
Forests	Fir Forest	183,208.3	4.8		230,984.0	6.0	
	Mixed Conifer forest	613,963.9	16.0		519,585.7	13.5	
	Blue Pine Forest	80,024.0	2.1	70.5	101,155.1	2.6	70.8
	Chir Pine Forest	107,666.5	2.8		101,537.5	2.6	
	Broadleaf Forest	1,688,956.5	44.0		1,763,899.5	45.9	
	Broadleaf & Conifer Forest	31,472.1	0.8		...	...	
Alpine Scrub	Alpine Scrubs	...	...	...	130,097.7	3.4	3.4
Shrubs	Shrubs	400,526.4	10.4	10.4	374,032.6	9.7	9.7
Meadows	Meadows	157,568.5	4.1	4.1	96,273.6	2.5	2.5
Cultivated Agricultural	Chhuzhing	31,361.2	0.8		31,891.9	0.8	
	Kamzhing	69,670.8	1.8		68,260.6	1.8	
	Apple Orchard	2,041.5	0.1				
	Citrus Orchard	5,086.4	0.1	2.9	5,529.9	0.1	2.8
	Areca nut Plantation	984.9	0.0				
	Cardamom Plantation	3,398.0	0.1				
	Others	13.4	...		...	...	
Built up areas	Built up Areas	6,150.9	0.2	0.2	7,457.0	0.2	0.2
Non-Built up areas	Non-Built up Areas	330.1	0.0	0.0	595.9	0.0	0.0
Snow Cover	Snow Cover	285,479.2	7.4	7.4	205,343.6	5.4	5.4
Bare Areas	Rock Outcrops	99,659.3	2.6		119,754.2	3.1	3.1
	Scree	23,287.7	0.6	3.2	39,701.4	1.0	1.0
	Bare Soils	26.9	...		...	...	...

cont...

Table 6.1.1.1 cont...

Land Cover class	Sub-Class	LCMP 2010			LULC 2016		
		Total Area (Ha)	Area (%)	Total Area (%)	Total Area (Ha)	Area (%)	Total Area (%)
Water Bodies	Lakes	4,753.4	0.1		6,252.6	0.2	
	Reservoirs	130.7	0.0	0.7			0.7
	Rivers	22,684.7	0.6		18,923.2	0.5	
Marshy Areas	Marshy Areas	319.5	0.0	0.0	...	...	...
Degraded Areas	Landslides	7,032.5	0.2	...	3,730.2	0.1	0.1
	Gullies	6.7	...	0.5	...	...	...
	Ravines	...	...	...	...	...	...
	Moraines	13,596.2	0.4	...	14,393.9	0.4	0.4
Total		3,839,400.0	100.0	100.0	3,839,400.0	100.0	100.0

Source: Land Cover Map Project (LCMP) & Land Use Land Cover (LULC), Ministry of Agriculture and Forests

Table 6.1.2: Type of Land Cover Area by Dzongkhag, 2016

Dzongkhag	Forests	Cultivated Agriculture	Shrubs	Meadows	Built up	Non-Built up	Moraines	Rocky Outcrops	Land-slides	Snow & Glacier	Water Bodies
Bumthang	139,356.7	3,394.3	34,318.2	10,126.0	470.8	...	2,032.7	23,778.9	2.9	29,118.1	1,845.2
Chhukha	166,151.1	7,858.1	6,261.8	2,625.2	834.6	44.7	...	461.9	348.1	...	1,385.7
Dagana	152,086.1	7,396.9	5,213.5	2,252.1	107.2	7.1	...	849.6	290.6	...	1,580.7
Gasa	60,853.0	461.0	69,548.0	10,985.1	21.4	...	9,402.3	62,700.7	64.4	68,734.1	2,283.5
Haa	125,772.4	1,711.3	30,113.7	9,482.0	271.3	2.7	...	15,873.9	18.7	399.5	675.3
Lhuentse	183,421.0	3,720.0	26,464.6	3,245.7	162.3	8.7	965.6	4,935.0	104.0	47,425.8	1,162.1
Monggar	175,886.9	6,558.7	7,794.1	738.1	256.4	7.9	...	1.7	364.3	...	893.9
Paro	66,282.7	5,432.1	28,938.4	12,703.5	599.9	37.1	...	5,598.5	...	1,897.1	523.0
Pema Gatshel	91,926.7	3,677.7	4,214.2	7.7	198.7	48.2	...	218.9	275.4	...	649.3
Punakha	91,894.9	4,696.6	5,665.6	482.8	296.0	3.8	...	249.6	7.3	2,188.7	808.7
Samdrup Jongkhār	168,689.7	5,485.0	8,740.7	479.2	186.0	34.9	...	174.0	363.8	...	1,703.1
Samtse	105,203.2	14,713.8	5,619.3	244.9	312.8	159.7	...	201.0	615.4	3.4	2,124.2
Sarpang	146,852.3	8,029.8	5,021.1	15.3	450.8	10.0	...	61.9	446.5	...	2,967.7
Thimphu	71,213.8	1,699.7	39,745.4	18,328.9	1,380.2	86.8	754.6	20,987.4	...	9,767.2	468.6
Trashigang	172,757.7	9,837.3	17,356.1	7,079.3	623.8	...	...	76.6	235.5	199.0	733.0
Trashī Yangtse	100,400.0	3,488.9	16,319.9	821.4	70.5	...	...	463.9	32.5	16,459.9	861.6
Trongsa	153,725.1	2,551.9	8,345.8	4,460.1	476.2	8.0	...	556.0	121.4	1,001.9	426.1
Tsitarang	55,265.1	5,704.7	1,376.3	59.9	69.9	1.8	...	215.9	24.1	...	432.3
Wandue Phodrang	264,061.9	5,818.4	46,540.4	12,058.2	544.8	133.2	1,238.8	21,755.9	58.6	27,875.3	1,991.2
Zhemgang	225,361.5	3,446.3	6,435.5	78.3	123.7	1.4	...	294.4	356.8	273.5	1,660.6
Total	2,717,161.7	105,682.4	374,032.5	96,273.6	7,457.1	595.9	14,394.0	159,455.5	3,730.2	205,343.4	25,175.8

Source: Land Use Land Cover, Dept. of Forest and Park Services (DoFPS), MoAF.

Table 6.1.3: Dzongkhag Wise Forest Cover, 2016

Dzongkhag	Dzongkhag Area (Ha)	Forest Area (Ha)	Forest Cover (%)
Bumthang	269,091.2	139,356.7	51.8
Chhukha	186,149.3	166,151.1	89.3
Dagana	170,607.9	152,086.1	89.1
Gasa	310,397.8	60,853.0	19.6
Haa	188,635.3	125,772.4	66.7
Lhuentse	283,090.6	183,421.0	64.8
Monggar	192,536.0	175,886.9	91.4
Paro	127,461.3	66,282.7	52.0
Pema Gatshel	101,216.7	91,926.7	90.8
Punakha	109,878.0	91,894.9	83.6
Samdrup Jongkhar	185,881.5	168,689.7	90.8
Samtse	129,216.0	105,203.2	81.4
Sarpang	163,928.1	146,852.3	89.6
Thimphu	177,840.7	71,213.8	40.0
Trashigang	218,253.3	172,757.7	79.2
Trashi Yangtse	143,496.3	100,400.0	70.0
Trongsa	179,607.4	153,725.1	85.6
Tsirang	63,163.3	55,265.1	87.5
Wangdue Phordang	399,640.9	264,061.9	66.1
Zhemgang	239,308.5	225,361.5	94.2

Source: Land Use Land Cover, Dept. of Forest and Park Services (DoFPS), MoAF.

Table 6.1.4: Proportion of Geographical Area by Agro-Ecological Zones and Dzongkhag, 2010

Dzongkhag	Wet Subtropical (100-600)	Humid Subtropical (600-1200)	Dry Subtropical (1200-1800)	Warm Temperate (1800-2600)	Cool Temperate (2600-3600)	Alpine (>3600-7500)
Bumthang	...	...	...	1.3	36.1	62.6
Chhukha	7.2	17.8	21.3	27.1	23.7	3.0
Dagana	15.8	19.0	19.1	25.7	16.6	4.0
Gasa	...	...	0.1	2.2	9.8	87.9
Haa	0.0	2.4	6.9	15.0	35.1	40.6
Lhuentse	...	1.0	6.9	20.6	30.6	40.9
Monggar	3.3	17.8	27.0	28.7	21.8	1.5
Paro	...	...	...	13.6	42.2	44.3
Pema Gatshel	20.9	41.7	28.1	9.3	0.0	...
Punakha	...	0.2	17.6	36.7	29.4	16.2
Samdrup Jongkhhar	22.9	23.0	25.6	20.8	7.3	0.4
Samtse	20.9	27.7	22.2	21.1	7.4	0.8
Sarpang	25.9	25.1	24.7	21.2	2.8	0.3
Thimphu	...	...	...	6.2	30.2	63.5
Trashigang	0.1	4.4	14.8	29.2	32.7	18.8
Trashigang Yangtse	0.2	3.2	8.9	19.0	32.4	36.4
Trongsa	...	2.5	6.8	24.1	34.4	32.2
Tsirang	0.0	2.7	10.2	28.2	41.4	17.5
Wangdue Phodrang	7.4	31.6	30.7	22.7	7.0	0.6
Zhemgang	11.9	29.6	26.8	19.5	9.9	2.3
Total	5.6	10.2	13.1	18.6	23.9	28.6

Source: Bhutan RNR Statistics 2016, MoAF

Table 6.1.5: Protected Areas by Year of Establishment, Area and Dzongkhags Coverage, 2018

Protected Area Network	Establishment year	Dzongkhag	Area (Sq. km)
Bumdeling Wildlife Sanctuary (BWS)	1998	Lhuentse Monggar Trashigang	1,534.2
Jigme Dorji National Park (JDNP)	1995	Gasa Paro Punakha Thimphu	4,374.1
Jigme Khesar Strict Nature Reserve (JKSNR)	2010	Haa Samtse	784.2
Jigme Singye Wangchuck National Park (JSWNP)	1995	Sarpang Trongsa Tsirang Wangdue Phodrang Zhemgang	1,730.1
Jomotsangkha Wildlife Sanctuary (JWS)	1993	Samdrup Jongkhar	362.5
Phrumsengla National Park (PNP)	2000	Bumthang Lhuentse Monggar Zhemgang	906.7
Phipsoo Wildlife Sanctuary (PWS)	1993	Sarpang Dagana	286.8
Royal Manas National Park (RMNP)	1996	Pema Gatshel Sarpang Zhemgang	1,057.4
Sakteng Wildlife Sanctuary (SWS)	2003	Trashigang	742.5
Wangchuck Centennial National Park (WCNP)	2008	Bumthang Lhuentse Wangdue Phodrang Gasa Trongsa	4,914.7
Royal Botanical Park (RBP)		Punakha Thimphu	91.2
JDNP-JKSNR Biological Corridor (BC1)	2007	Haa Paro	255.6
RBP-JSWNP Biological Corridor (BC 2)	2007	Wangdue Phodrang	291.8

cont...

Table 6.1.5 cont...

Protected Area Network	Establishment year	Dzongkhag	Area (Sq. km)
JSWNP-PWS-RMNP Biological Corridor (BC 3)	2007	Sarpang Tsirang	407.7
JSWNP-PNP-RMNP Biological Corridor (BC 4)	2007	Trongsa Zhemgang	594.7
JWS-RMNP Biological Corridor (BC 5)	2007	Pema Gatshel Samdrup Jongkhar	205.8
JWS-SWS Biological Corridor (BC 6)	2007	Samdrup Jongkhar Trashigang	232.8
BWS-PNP-WCNP Biological Corridor (BC 7)	2007	Lhuentse Monggar	419.7
JSWNP-WCNP Biological Corridor (BC 8)	2007	Trongsa Wangdue Phodrang	558.6
Total Area			19,750.8

Source: Department of Forest and Park Services (DoFPS), MoAF

Table 6.1.6: Timber Allotment by Divisional Forest Office, 2019 and 2020

Divisional Forest Office	2019			2020		
	Concessional		Commercial	Concessional		Commercial
	Volume (m ³)	Royalty (Nu.)	Volume (m ³)	Volume (m ³)	Royalty (Nu.)	Royalty (Nu.)
Bumthang	19,006.12	324,752.70	13,356.29	8,004.50	149,593.39	792,732.44
Dagana	10,196.69	223,603.28	1,667.18	3,606.51	108,232.51	86,886.54
Gedu	4,263.28	105,313.53	3,627.70	2,038.38	43,813.28	269,734.30
Monggar	8,193.41	238,113.92	3,382.04	11,681.43	366,786.60	300,688.26
Paro	7,265.81	133,464.92	4,668.83	1,371.64	24,382.51	468,633.13
Pema Gatshel	310.98	7,616.71	217.14	1,366.17	31,478.46	63,874.49
Samdrup Jongkhar	1,874.20	52,943.51	721.30	575.90	14,524.94	45,945.55
Samtse	9,435.88	240,397.46	336.07	9,506.89	230,909.70	107,239.78
Sarpang	3,880.87	111,524.53	1,848.02	1,683.06	45,518.73	407,525.51
Thimphu	6,264.62	121,033.87	1,972.18	2,667.76	52,919.99	715,646.00
Trashigang	13,186.49	414,871.47	2,327.82	13,555.42	403,056.99	36,597.60
Tsirang	2,939.56	51,610.84	229.33	1,277.78	32,760.93	30,354.70
Wangdue Phodrang	20,717.18	470,465.60	8,969.70	14,413.67	398,629.20	1,053,852.51
Zhemgang	3,009.29	58,190.18	659.22	5,666.36	121,784.00	100,992.41

Source: Department of Forest and Park Services (DoFPS), MoAF

Table 6.1.7: Timber Allotment by Protected Area Office, 2019 and 2020

Protected Area Office	2019				2020			
	Concessional		Commercial		Concessional		Commercial	
	Volume (m ³)	Royalty (Nu.)	Volume (m ³)	Royalty (Nu.)	Volume (m ³)	Royalty (Nu.)	Volume (m ³)	Royalty (Nu.)
Bumdeling Wildlife Sanctuary	5,388.17	130,132.95	528.07	87,298.83	3,654.49	127,157.02	464.29	136,562.91
Jigme Dorji National Park	7,751.20	131,253.81	8,467.01	1,586,650.34	11,184.94	297,094.35	6,926.77	1,130,092.28
Jigme Khesar Strict Nature Reserve	5,393.61	94,319.39	0.00	0.00	17.00	2,333.60	198.14	47,730.90
Jigme Singye Wangchuck National Park	931.32	31,666.03	0.00	0.00	242.11	6,349.69	139.76	50,537.46
Jomotsangkha Wildlife Sanctuary	1,878.42	55,208.92	577.43	20,849.77	1,361.56	50,499.32	365.79	45,042.26
Phibsoo Wildlife Sanctuary	313.11	5,640.00	46.39	32,739.69	30.15	3,400.00	915.98	360,876.20
Phrumsengla National Park	6,073.01	1,920,894.36	1,486.70	173,643.29	4,884.96	114,307.78	850.60	77,720.12
Royal Manas National Park	584.19	14,519.70	144.01	26,705.16	702.39	19,053.42	10.00	4,008.00
Sakteng Wildlife Sanctuary	4,333.43	126,157.96	532.93	37,565.28	3,850.41	104,863.60	572.31	53,542.61
Wangchuck Centennial National Park	1,169.21	411,05.29	190.40	30,251.76	4,496.69	65,500.00	...	...

Source: Department of Forest and Park Services (DoFPS), MoAF

Table 6.1.8: Non Wood Forest Products Supplied and Revenue Generated, 2019 and 2020

Product Name	Unit	2019		2020	
		Quantity	Royalty Realized (Nu.)	Quantity	Royalty Realized (Nu.)
Ajania nubigena	Kilogram	0	0	31	62.00
Banana Leave	Bundle	100	400.00	22	110.00
	Number	120	650.00	0	0
Bamboo shoots	Number	0	0	100	100.00
Calamus spp	Number	20	20.00	0	0
	Truckload	5	4000.00	5	4,000.00
	Bundle	30	120.00	197	788.00
Cane shoot	Bundle	203	848.00	435	3,342.00
	Truckload	3	1240.00	22	1,680.00
Charcoal	Kilogram	7,300	1476.00	54,290	10,858.00
Clay Soil	Truckload	55	2240.00	199	7,950.00
	M3	8	800.00	199	7,950.00
Color Soil	Truckload	26	1270.00	0	0
	Kilogram	1,700	3400.00	24,826	54,600.00
Cymbidium(Olatshey)	Bundle	6	240.00	0	0
Daphne spp(bark)	Kilogram	5,885	5531.00	4,260	2,588.00
Hippophae rhamnoides (Taray tsang in Dz.)	Kilogram	1,100	4400.00	500	2,000.00
Hyparrhenia hirta (Thatch grass)	Bundle	0	0	10	806.00
Exidia recisa (Sew-shamong in Dz.)	Kilogram	0	0	150	900.00
Edgeworthia spp. (Bark)	Kilogram	1,000	600.00	0	0
Fern top	Truckload	2	140.00	0	0
	Kilogram	0	0	6,520	6,620.00
Large Bamboo	Number	34,497	74392.00	47,215	88,270.00
	Truckload	1,573	14670.00	0	0
Small Bamboos	Number	91,466	40411.50	69,682	39,354.48
Lemon grass oil	Litre	350	1750.00	5	25.00
Lemon grass	Litre	210	1050.00	0	0
Mushroom	Number	7,250	7250.00	0	0
	Kilogram	52,875	106950.00	0	0
Knema spp. (Duruka in Kheng))	Kilogram	100	500.00	50	5,650.00
Neomicrocalamus andropogonifolus (Ringshoo)	Kilogram	220	658.00	0	0
Nardostachys jatamansi (Pangpoe)	Kilogram	64,275	128550.00	43,514	87,028.00

cont...

Table 6.1.8 cont...

Product Name	Unit	2019		2020	
		Quantity	Royalty Realized (Nu.)	Quantity	Royalty Realized (Nu.)
Ophiocordyceps sinensis (Cordyceps)	Kilogram	1,342	1269240.00	2,013	2,614,353.60
Oroxylum indicum (Namkaling in Dz.)	Kilogram	0	0	50	100.00
Phyllanthus emblica (Amla in Dz.)	Kilogram	0	0	100	500.00
Picrorhiza spp (Putashing in Dz.)	Kilogram	0	0	866	10,392.00
Paris polyphylla	Kilogram	535	8215.00	0	0
Plectocomia himalayana (Patsa)	Bundle	329	1316.00	0	0
	Number	100	100.00	0	0
Rhododendron Spp.	Kilogram	3,081	6241.00	4,307	8,163.00
Rubia cordifolia	Kilogram	24,524	377504.00	10,548	168,768.00
River bed materials	m3	0	0	337,891	1,689,455.00
	Truckload	92,221	3679040.00	95,572	3,763,280.00
Pouzolzia spp.	Kilogram	8,962	17924.00	5,231	7,662.00
Phyllanthus emblica	Kilogram	3	15.00	0	0
Picrorhiza Spp.	Kilogram	10	120.00	0	0
Quartzite	Truckload	6	240.00	0	0
Resin	Kilogram	6,464	25856.00	2,927	11,708.00
Piper longum (Pipla)	Kilogram	600	12000.00	332	2,818.00
Pine needle	Headload	0	0	365	1,417.00
	Truckload	38	1397.00	0	0
	Bundle	72	76.00	0	0
Pinus Wallichia	Number	200	2000.00	0	0
Juniperus spp.	Number	2	2400.00	0	0
	Truckload	0	0	560	6,384.00
Leaf moulds	Truckload	587	33596.50	605	33,290.00
Leave litters	Truckload	14	786.00	0	0
Leaves (Incense)	Truckload	21	880.00	0	0
	Headload	0	0	1,069	3,488.00
	Bundle	138	547.00	0	0
Stone dust	Truckload	99	3200.00	157	6,240.00
	m	0	0	391	1,420.00

cont...

Table 6.1.8 cont...

Product Name	Unit	2019		2020	
		Quantity	Royalty Realized (Nu.)	Quantity	Royalty Realized (Nu.)
Stone/Boulder	M3	294,902	1470926.00	817,423	4,082,110.50
	Truckload	241,805	9592816.00	51,275	2,100,511.64
	Tractor	7	832.00	2	632.00
Gravels/S/Chips	Truckload	123,472	4906214.00	7,869	342,247.00
	M3	87,223	436435.00	120,205	598,240.00
Sand	Truckload	45,121	1814634.00	33,936	1,498,675.00
	M3	177,486	897719.50	107,415	535,500.00
Top Soil	Truckload	1,079	90519.50	0	0
	M3	507	5865.00	0	0
shilajit	Kilogram	805	6440.00	0	0
Swertia chirata	Kilogram	150	3600.00	0	0
Thysanolaena latifolia (Broom grass)	Bundle	1,042	2824.50	462	1,444.00
	M3	2,000	2000.00	0	0
Woodburr	Number	458	3960.00	0	0
Yushania mailing	Number	620	142.40	100	8.00
	Bundle	10	80.00	0	0
Wildlings (Saplings)	Number	3,066	14766.00	0	0
Zanthoxylum armatum	Kilogram	380	1520.00	2,400	9,600.00
Others	Kilogram	0	0	13	36.00
	Truckload	0	0	1	40.00
	Number	0	0	30	180.00

Source: Department of Forest and Park Services (DoFPS), MoAF

Table 6.1.9: Number of Community Forest (CF) and Area Coverage by Dzongkhag, 2016 - 2020

Dzongkhag	2016		2017		2018		2019		2020	
	No. of CF	Area (ha.)	No. of CF	Area (ha.)	No. of CF	Area (ha.)	No. of CF	Area (ha.)	No. of CF	Area (ha.)
Bumthang	30	3,078.85	33	3,399.85	33	3,399.85	35	3,723.10	37	3,823.69
Chhukha	46	3,221.02	56	3,970.02	60	4,254.74	61	4,302.74	62	4,540.18
Dagana	25	843.26	27	2,278.02	27	2,278.02	28	2,423.02	31	2,891.82
Gasa	7	452.46	7	452.46	7	452.46	7	452.46	7	556.08
Haa	18	1,696.80	18	1,696.80	18	1,696.80	19	1,839.73	19	1,839.73
Lhuentse	23	1,608.00	31	2,744.54	37	3,391.16	37	3,475.36	37	3,576.86
Monggar	30	6,518.90	32	7,594.35	34	9,390.37	34	9,390.37	36	10,792.77
Paro	26	4,217.74	27	4,387.72	29	4,627.98	30	4,842.92	30	4,842.92
Pema Gatshel	43	3,724.18	39	3,623.44	40	3,826.45	43	4,481.89	57	5,615.65
Punakha	39	2,623.44	47	4,014.34	56	5,105.16	56	5,105.16	44	4,519.63
Samdrup Jongkhar	41	5,274.96	48	6,294.57	50	6,660.07	50	6,722.45	50	7,141.80
Samtse	50	4,556.03	32	3,306.85	33	3,430.45	34	4,052.68	63	6,824.22
Sarpang	31	3,163.65	52	4,739.73	57	5,358.49	62	6,607.00	35	4,539.91
Thimphu	21	2,749.77	21	2,749.77	21	2,856.51	22	2,912.49	22	3,039.07
Trashigang	50	9,228.66	53	9,923.07	54	10,457.96	54	10,457.96	54	11,177.81
Trashi Yangtse	29	3,371.97	30	3,516.77	32	4,273.12	33	4,538.31	36	4,820.03
Trongsa	27	2,764.08	43	6,512.12	48	7,766.79	49	9,240.67	30	3,579.70
Tsirang	38	5,766.24	29	3,063.74	30	3,175.81	30	3,568.70	50	9,500.23
Wangdue Phodrang	78	5,859.67	82	6,146.79	85	6,906.40	89	6,999.40	89	7,010.26
Zhemgang	25	2,671.05	26	2,800.23	26	2,855.97	31	4,009.60	33	4,466.92
Total	677	73,390.73	733	83,215.18	777	92,164.55	804	99,146.00	822	105,099.27

Source: Department of Forest and Park Services (DoFPS), MoAF

Table 6.1.10: Forest Fire Cases and Area Burnt by Dzongkhag, 2016 - 2020

Dzongkhag	2016		2017		2018		2019		2020	
	No. of cases	Area burnt (Acre)	No. of cases	Area burnt (Acre)	No. of cases	Area burnt (Acre)	No. of cases	Area burnt (Acre)	No. of cases	Area burnt (Acre)
Bumthang	1	4.0	0	0.0	3	7.0	2	3.0	1	0.8
Chhukha	1	2.0	1	105.0	0	0.0	0	0.0	...	...
Dagana	0	0.0	1	443.0	1	12.0	0	0.0	...	...
Gasa	0	0.0	0	0.0	1	514.0	0	0.0	...	...
Haa	3	86.0	0	0.0	0	0.0	1	1.0	...	...
Lhuentse	6	1,169.0	3	42.0	2	1,240.0	1	26.0	1	62.4
Monggar	6	3,805.0	8	2,383.0	6	2,963.0	5	1,549.0	1	1,297.8
Paro	5	1,070.0	3	34.0	6	12.0	0	0.0	1	3.1
Punakha	7	911.0	4	562.0	0	0.0	5	128.0	8	1,304.5
Pema Gatshel	0	0.0	0	0.0	3	17.0	0	0.0	...	...
Samdrup Jongkhar	1	45.0	1	121.0	0	0.0	0	0.0	4	386.2
Sarpang	1	11.0	0	0.0	0	0.0	3	11.0	...	...
Samtse	0	0.0	0	0.0	0	0.0	2	32.0	...	...
Thimphu	21	1,903.0	4	57.0	4	109.0	2	707.0	1	2.4
Trashigang	3	1,644.0	4	597.0	3	734.0	8	981.0	1	242.6
Trashiyangtse	0	0.0	2	904.0	0	0.0	0	0.0	1	1.0
Tsirang	3	58.0	0	0.0	0	0.0	1	1.0	...	...
Trongsa	0	0.0	0	0.0	0	0.0	1	1.0	...	...
Wangdue Phodrang	11	9,751.0	0	0.0	14	2,466.0	8	68.0	7	2,597.9
Zhemgang	3	600.0	0	0.0	0	0.0	1	16.0	...	...
Total	72	21,058.0	31	5,249.0	43	8,075.0	40	3,525.0	26	5,898.6

Source: Department of Forest and Park Services (DoFPS), MoAF

Table 6.2.1: Timber and Mineral Resource Products Produced/Extracted by Natural Resources Development Corporation Limited, 2016 - 2020.

Product Type	Unit	2016	2017	2018	2019	2020
Timber (Primary Product)						
Logs	Cft.			1,723,634.3	2,111,319.2	2,324,060.6
Blocks	Cft.	1,687,091.7	1,569,208.8	216,682.3	195,090.4	161,585.5
Poles	Cft.			...	126,986.7	136,950.8
Timber (Secondary Products)						
Sawn Timber	Cft.	...	...	152,239.6	46,828.4	16,172.2
Joinery-Flooring	Sq.ft	...	...	27,933.2	57,024.9	56,952.0
Joinery-Paneling	Sq.ft	...	...	34,600.7	94,524.4	137,365.4
Timber (By-Products)						
Post	Nos.	...	...	11,552.0	12,351.0	9,257.0
Woodchips	M3	5,919.3	6,621.8	9,830.2	2,774.5	1,111.6
Firewood	M3	38,184.8	34,451.5	32,980.4	37,376.3	32,124.4
Briquettes	Kg.	233,880.0	263,160.0	246,420.0	261,060.0	179,700.0
Non-Wood Product (Mineral Products)						
Sand	M3	410,107.9	526,490.3	501,586.8	517,287.3	491,021.5
Stone	Cft.	5,429,201.4	5,575,566.9	12,146,420.7	26,137,086.1	16,166,051.7
Stone (Raw-Material for NRDCL owned SCP)	Cft.	606,018.3	915,952.5	888,402.1	150,675.1	1,981,493.8
Stone Aggregate from Crushing Plant	Cft.	1,212,145.0	848,747.6	775,925.1	940,784.4	701,571.4

Note: Separate report for Logs, Poles and Blocks were not maintained till 2017. It is all added together. SCP = Stone Crushing Plant
Source: Natural Resources Development Corporation Ltd.

Table 6.2.2: Timber and Mineral Resource Products Supplied by Natural Resources Development Corporation Limited, 2016 - 2020

Product Type	Customer Group	Unit	2016	2017	2018	2019	2020
Timber (Primary Product)							
Logs/Poles/sawn	Commercial and Private individual	Cft.	1,660,111.0	1,261,300.7	1,505,524.6	1,820,027.0	1,126,740.8
Logs/Poles/sawn	Rural/Concessional	Cft.	40,622.9	15,309.3	15,128.0	35,415.9	7,158.8
Logs/Poles/sawn	Dzongs/Lhakhang/ Govt. Project Construction	Cft.	165,326.2	196,765.6	184,444.0	199,285.5	552,156.6
Timber (Secondary Product)							
Joinery-Flooring	All categories of customers	Sq.ft	...	...	22,844.1	26,857.9	52,470.5
Joinery-Paneling		Sq.ft	...	...	31,579.7	82,329.7	103,509.2
Timber (By-product)							
Post	All categories of customers	Nos.	5,869.8	14,785.0	12,589.0	9,301.0	13,246.0
Woodchips		M3	5,919.3	6,621.8	9,830.2	2,774.5	1,111.6
Firewood		M3	38,184.8	34,452.0	32,949.9	37,537.5	30,067.7
Briquettes		Kg	266,580.0	185,340.0	215,040.0	196,290.0	334,560.0
Non-Wood Product (Mineral Product)							
Sand	All categories of customers except rural	M3	431,039.7	493,802.5	494,654.3	490,917.3	491,249.8
Sand	Rural	M3	2,760.3	7,208.0	6,356.3	10,093.3	9,760.8
Stone (Domestic supply)	All categories of customers except rural	Cft.	5,447,635.1	5,186,952.7	7,942,178.9	11,869,758.0	5,103,087.9
Stone aggregate from crushing plant	All categories of customers	Cft.	1,582,505.4	1,004,746.0	984,522.4	931,824.8	704,727.3
Stone export	Exporter	MT	...	8,206.7	189,434.0	576,388.3	339,460.1

*Note: Product supplied here refers to sold only.
Source: Natural Resources Development Corporation Ltd.*

Table 6.3.1: Monthly Maximum and Minimum Average Temperature by Dzongkhag, 2020

Dzongkhag/ Station	Temperature	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	(Degree Celsius)	
													Dec	Average
Bumthang, Chamkhar	Max	10.6	12.7	15.2	16.4	18.3	21.0	20.8	23.0	21.6	21.2	16.9	13.3	17.6
	Min	-3.5	-0.6	3.5	6.3	9.3	13.9	15.3	14.6	13.9	8.9	-0.2	-1.2	6.7
	Ave	3.6	6.0	9.3	11.3	13.8	17.4	18.0	18.8	17.8	15.1	8.4	6.0	12.1
Chhukha, Phuntsholing, CST	Max	23.5	24.4	27.0	29.4	29.1	29.3	28.9	...	29.2	31.2	28.5	25.0	27.8
	Min	8.3	12.4	14.6	16.4	17.7	20.2	20.9	...	20.5	20.4	15.8	11.9	16.3
	Ave	15.9	18.4	20.8	22.9	23.4	24.8	24.9	...	24.8	25.8	22.1	18.5	22.0
Dagana	Max	17.2	19.3	22.0	23.6	24.0	24.1	23.0	25.9	23.4	25.2	22.3	18.8	22.4
	Min	5.2	6.7	9.8	12.7	15.4	18.2	19.7	19.0	18.3	15.5	10.6	7.6	13.2
	Ave	11.2	13.0	15.9	18.2	19.7	21.2	21.4	22.5	20.9	20.4	16.5	13.2	17.8
Gasa	Max	7.4	7.6	11.5	13.1	15.9	17.2	16.8	20.0	18.3	18.8	14.5	10.7	14.3
	Min	-3.8	-2.0	1.0	2.7	5.8	10.6	11.8	11.3	10.8	7.2	0.8	-2.5	4.5
	Ave	1.8	2.8	6.3	7.9	10.8	13.9	14.3	15.6	14.5	13.0	7.7	4.1	9.4
Haa	Max	8.0	9.7	11.6	13.4	16.0	18.9	18.5	21.1	18.6	17.7	13.6	11.8	14.9
	Min	-6.5	-3.9	-0.1	3.5	8.2	12.6	14.8	14.0	13.1	6.5	-2.8	-4.3	4.6
	Ave	0.8	2.9	5.8	8.4	12.1	15.7	16.7	17.6	15.8	12.1	5.4	3.7	9.7
Lhuentse, Tangmachu	Max	19.5	21.6	24.7	25.5	27.7	30.2	29.6	33.0	30.1	30.0	25.6	21.4	26.6
	Min	5.1	7.3	10.8	12.5	15.8	19.9	20.5	20.7	19.9	16.4	8.8	8.0	13.8
	Ave	12.3	14.4	17.8	19.0	21.8	25.0	25.1	26.9	25.0	23.2	17.2	14.7	20.2
Monggar	Max	14.6	17.2	20.6	21.6	23.0	24.5	23.5	26.9	24.4	24.4	20.2	16.1	21.4
	Min	5.4	7.2	10.4	12.3	15.0	18.0	18.7	19.3	18.4	15.9	10.3	7.6	13.2
	Ave	10.0	12.2	15.5	17.0	19.0	21.3	21.1	23.1	21.4	20.1	15.2	11.9	17.3

cont...

Table 6.3.1 cont...

Dzongkhag/ Station	Temperature	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
Punakha	Max	20.7	23.0	27.1	28.7	29.5	31.5	30.1	33.6	31.1	32.1	28.4	23.8	28.3
	Min	6.5	9.5	13.6	15.5	18.4	22.4	22.9	23.0	22.1	18.5	9.8	9.2	15.9
	Ave	13.6	16.3	20.4	22.1	23.9	26.9	26.5	28.3	26.6	25.3	19.1	16.5	22.1
Paro	Max	10.6	13.8	17.4	18.7	20.3	23.2	22.6	25.1	22.4	22.5	17.3	14.0	19.0
	Min	-3.5	0.5	0.0	5.3	9.9	13.6	14.4	14.3	13.9	10.0	-0.1	-1.8	6.4
	Ave	3.5	7.1	8.7	12.0	15.1	18.4	18.5	19.7	18.1	16.2	8.6	6.1	12.7
Pemagatshel	Max	14.9	17.0	21.2	21.8	22.0	23.7	22.9	25.6	23.9	25.5	21.6	17.3	21.4
	Min	3.9	5.4	9.1	12.0	14.7	17.8	18.5	19.0	18.4	15.1	9.2	6.7	12.5
	Ave	9.4	11.2	15.2	16.9	18.4	20.8	20.7	22.3	21.1	20.3	15.4	12.0	17.0
Samdrup Jongkhar, Deothang	Max	18.0	19.8	22.6	24.7	24.9	25.9	25.1	27.0	25.6	26.8	24.9	21.3	23.9
	Min	10.0	11.7	15.0	16.1	18.0	20.4	20.2	21.6	20.6	18.8	14.1	11.3	16.5
	Ave	14.0	15.7	18.8	20.4	21.4	23.2	22.7	24.3	23.1	22.8	19.5	16.3	20.2
Samtse, Sipsu	Max	21.7	23.7	26.4	28.4	28.1	28.4	27.8	30.0	28.8	30.8	27.6	24.1	27.2
	Min	10.8	12.1	15.9	18.4	19.5	20.9	22.2	23.1	22.0	20.7	16.4	12.9	17.9
	Ave	16.3	17.9	21.1	23.4	23.8	24.6	25.0	26.6	25.4	25.8	22.0	18.5	22.5
Sarpang, Bhur	Max	22.2	23.4	27.0	28.9	28.2	28.9	27.6	31.2	28.4	30.2	27.4	23.9	27.3
	Min	13.4	13.9	19.1	20.6	22.3	23.6	23.6	24.8	23.8	23.1	18.7	15.4	20.2
	Ave	17.8	18.6	23.1	24.7	25.2	26.2	25.6	28.0	26.1	26.6	23.0	19.7	23.7
Thimphu, Simtokha	Max	11.9	13.3	17.0	19.5	20.5	23.4	23.0	26.2	23.1	23.1	19.0	14.1	19.5
	Min	-4.7	-1.7	2.6	5.3	9.3	14.2	15.6	15.1	14.1	9.0	-1.3	-2.2	6.3
	Ave	3.6	5.8	9.8	12.4	14.9	18.8	19.3	20.6	18.6	16.0	8.8	6.0	12.9
Trashigang, Kanglung	Max	15.3	17.1	20.8	22.0	22.2	24.0	22.5	24.7	22.5	24.3	21.2	16.6	21.1
	Min	2.5	3.8	7.4	9.5	12.2	15.6	16.1	16.5	15.6	13.1	7.6	4.3	10.4
	Ave	8.9	10.4	14.1	15.8	17.2	19.8	19.3	20.6	19.1	18.7	14.4	10.4	15.7

cont...

Table 6.3.1 cont...

Dzongkhag/ Station	Temperature	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
Trashig Yangtse	Max	16.4	18.4	22.0	21.7	22.7	25.4	24.2	27.2	25.6	26.2	21.1	17.3	22.3
	Min	0.3	3.1	6.5	8.2	11.2	16.2	17.1	17.2	16.7	11.3	3.6	3.1	9.5
	Ave	8.3	10.8	14.2	14.9	16.9	20.8	20.7	22.2	21.1	18.8	12.4	10.2	15.9
Trongsa	Max	12.7	14.2	17.0	18.0	19.5	21.3	20.9	24.2	21.9	23.4	19.5	15.1	19.0
	Min	0.9	3.0	6.4	8.1	11.3	15.5	16.3	16.0	15.3	11.6	4.6	2.6	9.3
	Ave	6.8	8.6	11.7	13.1	15.4	18.4	18.6	20.1	18.6	17.5	12.1	8.9	14.1
Tsirang, Dampchu	Max	14.0	15.6	18.7	...	22.1	23.2	22.8	24.2	21.7	23.4	19.5	16.0	20.1
	Min	4.0	5.8	9.5	...	15.2	18.6	19.6	19.9	19.1	15.7	9.4	6.9	13.1
	Ave	9.0	10.7	14.1	...	18.6	20.9	21.2	22.1	20.4	19.5	14.5	11.4	16.6
Wangdue Phodrang, (RNRRC)	Max	18.5	20.1	23.7	25.4	26.8	28.5	27.6	30.7	27.6	28.3	24.3	19.9	25.1
	Min	6.1	8.3	13.2	15.4	18.5	21.8	22.3	22.8	22.0	18.2	9.9	9.0	15.6
	Ave	12.3	14.2	18.4	20.4	22.6	25.2	25.0	26.7	24.8	23.2	17.1	14.5	20.4
Zhemgang	Max	12.9	14.8	17.9	19.5	21.3	23.1	23.2	25.5	23.4	23.9	19.2	14.7	20.0
	Min	2.7	4.7	7.5	9.9	12.8	16.2	16.8	17.0	15.9	13.0	7.6	4.3	10.7
	Ave	7.8	9.8	12.7	14.7	17.0	19.7	20.0	21.3	19.7	18.5	13.4	9.5	15.3

Source : National Center for Hydrology and Meteorology, Thimphu

Table 6.3.2: Annual Maximum, Minimum and Average Temperature by Dzongkhag, 2016 - 2020
(Degree Celsius)

Dzongkhag/Station	Temperature	2016	2017	2018	2019	2020
Bumthang, Chamkhar	Max	18.3	18.3	18.0	17.9	17.6
	Min	7.0	6.8	6.2	6.5	6.7
	Ave	12.6	12.5	12.1	12.2	12.1
Chhukha, Phuntsholing, CST	Max	30.4	28.9	28.9	28.8	27.8
	Min	20.8	19.3	17.1	16.9	16.3
	Ave	25.6	24.1	23.0	22.9	22.0
Dagana	Max	18.7	21.6	23.0	22.7	22.4
	Min	9.3	10.4	10.6	12.5	13.2
	Ave	14.0	16.0	16.8	17.6	17.8
Gasa	Max	15.7	15.7	14.4	14.5	14.3
	Min	5.1	5.0	4.6	4.7	4.5
	Ave	10.4	10.4	9.5	9.6	9.4
Haa	Max	16.1	15.9	15.3	15.3	14.9
	Min	4.8	4.6	4.3	4.5	4.6
	Ave	10.4	10.2	9.8	9.9	9.7
Lhuentse, Tangmachu	Max	27.8	27.8	28.6	27.5	26.6
	Min	14.0	14.0	13.2	13.7	13.8
	Ave	20.9	20.9	20.9	20.6	20.2
Monggar	Max	22.7	22.6	22.4	21.9	21.4
	Min	13.5	13.5	13.0	13.1	13.2
	Ave	18.1	18.0	17.7	17.5	17.3
Punakha	Max	29.4	28.8	28.3	26.7	28.3
	Min	15.5	15.2	15.0	16.5	15.9
	Ave	22.4	22.0	21.6	21.6	22.1
Paro	Max	19.8	20.2	19.8	19.6	19.0
	Min	6.6	6.1	5.8	6.3	6.4
	Ave	13.2	13.1	12.8	12.9	12.7
Pemagatshel	Max	21.9	22.0	22.0	21.8	21.4
	Min	13.2	13.1	12.5	12.5	12.5
	Ave	17.6	17.6	17.3	17.1	17.0
Deothang, Samdrup Jongkhar	Max	26.0	26.0	25.2	24.2	23.9
	Min	16.6	16.7	16.3	16.7	16.5
	Ave	21.3	21.3	20.7	20.4	20.2

cont...

Table 6.3.2 cont...

Dzongkhag/Station	Temperature	2016	2017	2018	2019	2020
Samtse, Sipsu	Max	28.7	29.1	28.1	27.9	27.2
	Min	18.8	18.5	17.9	17.9	17.9
	Ave	23.7	23.8	23.0	22.9	22.5
Sarpang, Bhur	Max	27.7	27.6	27.3	27.5	27.3
	Min	21.6	20.6	20.5	20.6	20.2
	Ave	24.6	24.1	23.9	24.1	23.7
Thimphu, Simtokha	Max	22.9	22.8	22.7	20.4	19.5
	Min	7.4	7.0	6.1	6.4	6.3
	Ave	15.2	14.9	14.4	13.4	12.9
Trashigang, Kanglung	Max	25.3	24.2	24.0	22.3	21.1
	Min	10.5	10.3	9.9	10.4	10.4
	Ave	17.9	17.2	16.9	16.3	15.7
Trashie Yangtse	Max	22.3	22.1	21.1	22.2	22.3
	Min	9.7	9.6	9.4	9.5	9.5
	Ave	16.0	15.9	15.3	15.8	15.9
Trongsa	Max	19.5	19.3	19.0	19.4	19.0
	Min	9.6	9.2	9.1	9.3	9.3
	Ave	14.6	14.3	14.1	14.3	14.1
Tsirang, Damphu	Max	21.2	21.1	20.7	20.6	20.1
	Min	13.7	13.6	13.0	13.2	13.1
	Ave	17.5	17.3	16.9	16.9	16.6
Wangdue Phodrang, (RNRRC)	Max	27.4	26.9	27.3	26.0	25.1
	Min	13.9	14.1	14.0	15.0	15.6
	Ave	20.6	20.5	20.7	20.5	20.4
Zhemgang	Max	20.7	20.6	20.5	20.1	20.0
	Min	12.0	11.6	10.8	10.8	10.7
	Ave	16.3	16.1	15.6	15.4	15.3

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

Table 6.3.3: Monthly Rainfall at Existing Stations by Dzongkhag, 2020

(Millimeter)

Dzongkhag/Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual total rainfall
Bumthang, Chamkher	0.9	9.2	15.5	68.1	162.6	69.6	129.8	106.4	70.4	19.4	0.1	0.8	652.8
Chhukha	50.6	24.8	48.4	72.1	220.7	384.4	358.1	143.5	200.7	37.2	4.0	13.0	1,557.6
Chhukha, Phuntsholing CST	54.5	55.9	67.9	145.5	487.1	950.5	1,657.9	...	320.2	207.4	27.2	12.8	3,986.9
Dagana, Dzong	23.0	32.5	14.2	49.4	277.8	188.2	298.0	104.8	207.4	107.4	8.2	5.8	1,316.7
Dagana, Drujeygang	10.0	28.8	14.4	61.7	311.3	363.2	517.6	279.6	323.4	106.7	0	0.4	2,017.1
Dagana, Sunkosh	5.1	30.8	11.3	56.3	210.1	314.9	425.1	231.4	253.7	85.4	0	2.4	1,626.5
Gasa, Khatey	8.1	40.1	134.7	233.0	200.9	378.4	516.9	528.8	294.0	152.1	10.3	11.0	2,508.3
Haa, Namjeyling	33.7	15.6	30.0	76.8	111.4	164.8	232.2	159.2	102.1	48.1	0.6	0.3	974.8
Lhuentse, Autsho	19.7	37.8	31.0	90.7	212.9	155.8	185.1	82.7	97.0	31.9	11.6	0.1	956.2
Lhuntse, Tangmachu	9.2	27.5	70.6	96.3	177.7	86.0	111.1	90.3	86.3	16.0	2.8	3.0	776.8
Monggar	17.6	47.4	42.2	97.2	250.9	170.0	226.8	94.2	64.0	18.4	7.6	3.6	1,039.9
Paro, DSC	9.1	10.8	9.8	48.9	57.4	83.6	71.7	96.0	60.8	24.6	0	0	472.7
Pema Gatshel	19.5	26.8	27.3	145.7	494.9	414.6	714.0	172.5	270.0	53.7	5.4	3.2	2,347.6
Pema Gatshel, Dungmin	34.0	34.0	40.0	150.0	429.5	413.5	1,392.0	198.0	861.4	82.0	0	0	3,634.4
Pema Gatshel, Yurung	21.1	28.2	20.9	163.4	455.2	845.6	694.7	223.4	388.0	48.4	3.3	4.2	2,896.5
Punakha, Dzong	8.6	11.6	6.2	33.6	122.6	105.8	84.3	76.9	80.1	20.0	0	3.4	553.1
Samdrup Jongkhar, Deothang	23.8	46.9	55.1	193.2	572.1	991.0	1,656.1	470.6	727.0	88.8	0	0	4,824.6
Samtse, Tendu	60.2	18.2	42.6	92.8	158.1	971.2	988.6	522.0	712.7	163.4	1.8	8.8	3,740.4
Samtse, NIE	38.5	32.0	489.5	120.3	713.2	872.9	1,500.7	850.9	1,260.9	51.8	0	32.8	5,963.5
Samtse, Sibsoo	171.6	68.4	69.6	288.2	374.4	1,278.2	2,098.4	715.0	885.4	346.4	21.0	7.6	6,324.2
Sarpang, Bhur	45.3	59.8	70.9	204.5	433.7	1,472.3	2,084.6	1,020.6	972.6	371.1	9.4	14.6	6,759.4
Thimphu, Simtokha	5.7	11.6	5.8	23.5	57.2	120.4	74.0	99.6	78.8	13.5	0	0	490.1
Trashigang, Kanglung	9.8	20.4	45.8	133.8	347.2	148.2	317.2	120.6	144.2	35.2	19.2	6.8	1,348.4

cont...

Table 6.3.3 cont...

Dzongkhag/Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual total rainfall
Trashigang, Thrimshing	...	...	...	...	...	...	322.7	96.2	169.6	31.4	1.6	...	621.5
Trashigang, Yangtse	8.8	15.4	41.8	138.2	251.7	121.6	203.0	137.3	148.0	42.4	4.3	5.3	1,117.8
Trongsa	11.1	26.0	24.5	122.0	277.6	257.2	297.7	162.9	231.0	56.8	10.5	4.5	1,481.8
Trongsa, Bjizam	1.9	23.0	125.7	94.5	215.5	238.3	159.1	157.3	138.2	52.6	5.6	5.6	1,217.2
Tsirang, Damphu	10.0	46.8	20.6	...	314.8	363.0	517.4	295.8	281.8	56.8	0	0	1,907.0
Wangdue Phodrang, RNRRC	11.6	16.2	2.8	35.0	111.1	62.2	105.6	97.8	146.7	52.5	0	1.5	643.0
Wangdue Phodrang, Samtengang	28.0	20.0	32.0	48.0	185.0	92.0	76.0	26.0	165.0	38.1	0	2.0	712.1
Zhemgang	12.3	36.4	34.9	177.3	140.4	261.1	373.5	185.4	191.1	74.0	0	7.8	1,494.2

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

Table 6.3.4: Annual Rainfall at Existing Stations by Dzongkhag, 2016 - 2020

(Millimeter)

Dzongkhag/Station	2016	2017	2018	2019	2020
Bumthang, Chamkhar	740.1	765.8	531.2	618.7	652.8
Chhukha	1,571.5	1,373.5	1,167.4	1,171.2	1,557.6
Chhukha, Phuntsholing CST	3,266.6	5,014.9	6,145.7	5,463.6	3,986.9
Dagana, Dzong	1,218.8	1,145.7	833.7	985.9	1,316.7
Dagana, Drujeygang	1,740.5	1,835.4	1,104.5	2,255.8	2,017.1
Dagana, Sunkosh	1,597.5	1,238.9	1,544.5	1,064.9	1,626.5
Gasa, Khatey	1,940.0	2,369.9	2,361.4	1,980.9	2,508.3
Haa, Namjeyling	956.1	863.0	675.8	796.3	974.8
Lhuntse, Autsho	805.2	972.6	641.0	765.6	956.2
Lhuntse, Tangmachu	826.2	942.4	586.4	801.8	776.8
Monggar	960.3	1,010.2	673.4	1,065.2	1,039.9
Paro, DSC	697.8	389.7	313.0	423.0	472.7
Pema Gatshel	1,652.7	1,612.0	1,136.2	1,978.1	2,347.6
Pema Gatshel, Dungmin	1,927.0	2,640.0	1,440.0	3,571.0	3,634.4
Pema Gatshel, Yurung	1,984.2	1,079.0	1,219.9	2,093.5	2,896.5
Punakha, Dzong	728.9	778.4	785.5	575.9	553.1
Samdrup Jongkhar, Deothang	2,964.5	3,481.7	3,277.4	4,240.7	4,824.6
Samtse, Tendu	2,015.4	2,843.9	2,151.6	2,229.0	3,740.4
Samtse, NIE	7,123.2	4,844.9	1,902.1	2,465.9	5,963.5
Samtse, Sibsoo	5,141.1	5,767.6	4,912.7	5,266.6	6,324.2
Sarpang, Bhur	5,376.9	5,928.3	4,471.7	5,070.2	7,220.3
Thimphu, Simtokha	711.7	608.0	394.1	462.1	490.1
Trashigang, Kanglung	1,033.8	1,122.4	855.6	1,219.1	1,348.4
Trashigang, Thrimshing	943.3	835.7	677.3	784.4	621.5
Trashigang, Yangtse	1,246.9	1,240.1	1,134.5	1,041.4	1,117.8
Trongsa	1,366.2	1,481.0	1,193.1	1,316.6	1,481.8
Trongsa, Bjizam	1,184.4	1,590.2	971.6	1,215.6	1,217.2
Tsirang, Damphu	1,929.8	1,440.8	1,230.6	1,253.0	1,907.0
Wangdue Phodrang, RNRRC	625.4	569.6	460.6	494.1	643.0
Wangdue Phodrang, Samtengang	974.7	935.5	770.0	658.4	712.1
Zhemgang	1,522.1	1,452.3	1,024.1	1,451.8	1,494.2

Note: For Station Samtse, NIE in 2018 data for the month of Jul., Aug., Sept and Nov. is missing and in 2019 data for the month of July and October is missing. And for Station Trashigang, Thrimshing in 2019 data for the month of Oct. to Dec. is missing and in 2020 data for the month of Jan. to June is missing

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

Table 6.3.5: Monthly Maximum and Minimum Average Humidity by Dzongkhag, 2020

Dzongkhag/Station	Humidity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average Humidity
Bumthang, Chamkhar	Max	100	100	12	12	94	90	95	90	95	89	100	100	81
	Min	43	57	48	56	42	54	65	60	55	57	31	54	52
	Ave	77	76	69	73	72	73	81	74	77	73	68	72	63
Chhukha, Phuntsholing, CST	Max	90	89	83	96	92	100	96	...	96	96	90	91	93
	Min	43	52	40	55	66	77	80	...	77	68	46	58	60
	Ave	64	69	66	72	85	92	93	...	89	79	69	72	77
Dagana	Max	100	100	82	100	100	100	100	100	100	100	100	93	98
	Min	37	26	28	41	50	60	74	57	63	38	34	42	46
	Ave	56	55	58	67	78	90	97	86	91	70	50	59	71
Gasa	Max	93	92	84	93	94	94	94	95	94	94	91	93	93
	Min	3	19	26	32	47	68	67	62	63	52	18	27	40
	Ave	54	64	61	70	73	84	90	82	84	69	59	48	70
Haa	Max	81	93	85	89	95	88	94	95	89	87	65	83	87
	Min	21	29	30	50	42	52	60	53	48	44	11	30	39
	Ave	57	64	54	63	62	69	81	70	75	61	43	51	62
Lhuentse, Tangmachu	Max	93	89	89	96	95	95	95	96	96	95	94	83	93
	Min	57	52	50	46	49	61	64	36	57	48	49	50	52
	Ave	75	73	69	74	74	79	84	74	80	74	65	72	74
Monggar	Max	85	88	88	95	95	100	100	100	100	95	88	87	93
	Min	48	47	43	54	54	59	82	61	67	46	41	45	54
	Ave	69	68	67	75	77	85	91	83	87	72	62	70	75

cont...

Table 6.3.5 cont...

Dzongkhag/Station	Humidity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average Humidity
Punakha	Max	100	88	90	85	95	96	96	96	96	95	84	88	92
	Min	60	63	43	54	50	54	67	55	61	54	53	58	56
	Ave	79	80	70	72	69	75	85	76	78	69	65	72	74
Paro	Max	100	86	87	89	90	100	95	91	97	100	86	79	92
	Min	39	57	50	47	48	43	48	62	66	57	52	53	52
	Ave	75	71	63	65	67	71	78	75	77	72	68	67	71
Pemagatshel	Max	88	93	93	95	95	95	95	95	95	90	88	87	92
	Min	62	72	66	65	72	81	78	82	82	77	73	72	74
	Ave	83	80	79	82	86	88	91	89	90	87	80	84	85
Samdrup Jongkhar, Deothang	Max	100	94	89	100	100	100	100	100	100	100	90	89	97
	Min	42	48	49	53	63	81	92	84	77	43	38	39	59
	Ave	67	66	65	78	86	96	99	94	96	82	60	62	79
Samtse, Sipsu	Max	89	89	81	92	96	100	100	96	100	92	73	89	91
	Min	43	48	50	55	57	70	77	78	76	56	46	45	58
	Ave	64	60	61	71	76	86	90	86	90	73	60	63	73
Sarpang, Bhur	Max	89	100	91	100	100	100	100	100	100	100	95	95	98
	Min	50	49	57	69	62	72	77	72	59	60	50	50	61
	Ave	77	73	77	80	86	89	95	89	90	78	72	77	82
Thimphu, Simtokha	Max	84	84	78	90	95	100	90	90	94	83	76	91	88
	Min	43	43	25	45	50	42	58	58	50	53	35	24	44
	Ave	67	63	56	67	66	66	76	73	72	64	54	60	65
Trashigang, Kanglung	Max	92	92	93	95	95	95	95	95	95	95	86	86	93
	Min	51	50	52	63	63	73	81	66	73	48	43	54	60
	Ave	74	71	75	80	84	89	91	88	89	76	64	73	79

cont...

Table 6.3.5 cont...

Dzongkhag/Station	Humidity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average Humidity
Trashi Yangtse	Max	87	88	89	95	100	100	95	95	100	90	89	88	93
	Min	45	48	50	49	60	66	71	71	79	61	59	55	60
	Ave	71	72	71	79	81	82	89	83	87	77	73	71	78
Trongsa	Max	92	91	95	95	95	95	100	100	95	95	93	100	96
	Min	42	41	64	65	70	76	86	78	77	57	50	65	64
	Ave	72	76	79	82	87	89	93	89	89	77	69	77	82
Tsirang, Damphu	Max	100	100	95	...	100	100	100	100	100	100	100	100	100
	Min	76	62	59	...	60	71	83	86	75	52	39	55	65
	Ave	88	79	79	...	85	96	96	93	92	80	77	81	86
Wangdue Phodrang, (RNR-RC)	Max	92	92	88	95	95	95	95	92	91	90	93	94	93
	Min	65	66	53	62	52	65	76	68	68	61	53	66	63
	Ave	81	80	70	75	76	80	85	81	81	74	74	80	78
Zhemgang	Max	85	87	93	95	100	95	100	95	100	94	93	81	93
	Min	39	36	41	54	53	54	74	67	62	41	36	36	49
	Ave	66	65	67	74	76	83	88	82	85	70	56	66	73

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

**Table 6.3.6: Annual Maximum and Minimum Average Humidity by Dzongkhag,
2016 - 2020**

(Percent)

Dzongkhag/Station	Humidity	2016	2017	2018	2019	2020
Bumthang, Chamkhar	Max	100.0	100.0	100.0	100.0	100.0
	Min	31.0	24.0	31.0	30.0	31.0
	Ave	74.2	74.0	72.7	74.6	63.3
Chhukha, Phuntsholing, CST	Max	100.0	97.0	96.0	100.0	100.0
	Min	11.0	34.0	39.0	37.0	40.0
	Ave	65.1	74.5	75.8	75.3	76.5
Dagana	Max	100.0	100.0	100.0	100.0	100.0
	Min	20.0	21.0	9.0	22.0	26.0
	Ave	67.8	67.9	65.0	70.7	71.2
Gasa	Max	95.0	94.0	100.0	95.0	95.0
	Min	49.0	22.0	12.0	17.0	18.0
	Ave	80.8	69.9	68.0	70.8	69.8
Haa	Max	94.0	95.0	94.7	94.0	95.0
	Min	15.0	11.0	11.0	13.0	11.0
	Ave	59.6	63.0	61.2	62.4	62.4
Lhuentse, Tangmachu	Max	96.0	96.0	96.0	99.0	96.0
	Min	30.0	27.0	24.0	40.0	36.0
	Ave	69.9	71.0	70.8	74.1	74.5
Monggar	Max	100.0	95.0	95.0	100.0	100.0
	Min	32.0	30.0	27.0	38.0	41.0
	Ave	72.2	73.0	71.5	73.3	75.4
Punakha	Max	96.0	96.0	95.0	100.0	100.0
	Min	32.0	29.0	48.0	38.0	43.0
	Ave	75.3	72.7	75.1	75.3	74.1
Paro	Max	100.0	100.0	100.0	100.0	100.0
	Min	32.0	19.0	30.0	34.0	39.0
	Ave	67.6	63.4	65.1	68.3	70.9
Pemagatshel	Max	95.0	95.0	95.0	95.0	95.0
	Min	54.0	58.0	57.0	62.0	62.0
	Ave	82.6	83.7	82.7	83.4	84.8
Samdrup Jongkhar, Deothang	Max	100.0	100.0	100.0	100.0	100.0
	Min	27.0	22.0	32.0	25.0	38.0
	Ave	74.5	74.1	74.4	73.7	79.2
Samtse, Sipsu	Max	96.0	96.0	96.0	100.0	100.0
	Min	42.0	36.0	42.0	36.0	43.0
	Ave	71.4	70.8	71.3	70.8	73.3

cont...

Table 6.3.6 cont...

Dzongkhag/Station	Humidity	2016	2017	2018	2019	2020
Sarpang, Bhur	Max	100.0	100.0	100.0	100.0	100.0
	Min	49.0	32.0	42.0	45.0	49.0
	Ave	84.4	78.9	79.3	81.0	82.0
Thimphu, Simtokha	Max	100.0	100.0	100.0	100.0	100.0
	Min	19.0	17.0	20.0	31.0	24.0
	Ave	55.1	54.0	53.4	66.6	65.2
Trashigang, Kanglung	Max	95.0	95.0	96.0	96.0	95.0
	Min	37.0	35.0	33.0	34.0	43.0
	Ave	76.2	74.7	76.7	77.7	79.4
Trashy Yangtse	Max	95.0	95.0	95.0	100.0	100.0
	Min	36.0	27.0	27.0	45.0	45.0
	Ave	70.0	73.2	77.7	76.9	78.0
Trongsa	Max	100.0	100.0	100.0	100.0	100.0
	Min	42.0	30.0	31.0	43.0	41.0
	Ave	80.2	76.7	79.1	79.0	81.7
Tsirang, Damphu	Max	100.0	100.0	100.0	100.0	100.0
	Min	53.0	52.0	54.0	47.0	39.0
	Ave	87.4	87.3	87.1	85.8	86.0
Wangdue Phodrang, (RNRRC)	Max	96.0	95.0	100.0	100.0	95.0
	Min	36.0	30.0	48.0	54.0	52.0
	Ave	72.9	75.2	74.7	78.8	78.1
Zhemgang	Max	100.0	100.0	100.0	100.0	100.0
	Min	28.0	22.0	28.0	30.0	36.0
	Ave	73.4	73.8	74.7	74.8	73.1

Source : Weather and Climate Services Division, National Center for Hydrology and Meteorology, MoEA

Table 6.4.1: Mineral Production by Type, 2016 - 2020

Minerals	2016		2017		
	Quantity (MT)	Value (Nu. In million)	Quantity (MT)	Value (Nu. In million)	
Dolomite	2,367,659.00	2,416.50	2,536,693.31	2,686.30	
Calc Tufa	...	...	...	...	
Coal	117,783.00	694.90	161,526.74	992.80	
Granite	...	33.90	26,364.04	9.20	
Gypsum	317,597.00	706.50	328,127.99	547.10	
Iron Ore	28,065.00	72.90	32,974.37	85.70	
Limestone	1,257,101.00	2,795.50	1,235,161.67	2,601.90	
Marble	75,031.00	162.10	96,567.10	217.90	
Phyllite	41,800.00	13.40	61,910.29	18.80	
Quartzite	92,770.00	93.90	175,501.08	175.50	
Construction Stones	3,414,215.00	624.70	3,828,254.00	615.30	
Talc	2,261.00	6.80	1,293.20	3.90	

Note: Production here refers to only actual sale, and average sale value and MFP (Minimum Floor Price) is considered.

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

Table 6.4.2: Mineral Production by Type and Use, 2016 - 2020

Minerals	2016			2017			Export	
	Export	Domestic Use	Total	Export	Domestic Use	Total		
Dolomite	2,283,725.0	83,933.6	2,367,658.6	2,546,210.0	46.0	2,546,256.0	2,816,805.6	
Calc Tufa	...	...	...	...	...	...	...	
Coal	0	117,783.4	117,783.0	18,931.0	142,596.0	161,527.0	26,915.6	
Granite	0	96,827.1	96,827.0	0	26,423.0	26,423.0	0	
Gypsum	241,649.6	75,947.6	317,597.2	269,385.0	58,743.0	328,128.0	377,196.6	
Iron Ore	...	28,064.7	28,065.0	...	32,974.0	32,974.0	...	
Limestone	1,244,998.7	12,102.0	1,257,100.7	40,121.0	1,195,041.0	1,235,162.0	53,344.7	
Marble	36,357.6	38,673.7	75,031.3	75,655.0	20,912.0	96,567.0	152,585.2	
Phyllite	2,615.0	39,184.6	41,799.6	771.0	61,139.0	61,910.0	91.0	
Quartzite	2,745.2	90,025.3	92,770.5	0	175,501.0	175,501.0	0	
Construction Stone	553,638.9	2,860,575.7	3,414,214.6	299,369.0	3,528,885.0	3,828,254.0	624,125.5	
Talc	0	2,261.2	2,261.0	1,293.0	0	1,293.0	1,389.1	

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

2018		2019		2020	
Quantity (MT)	Value (Nu. In million)	Quantity (MT)	Value (Nu. In million)	Quantity (MT)	Value (Nu. In million)
2,821,166.44	2,972.10	3,027,517.70	4,314.20	1,232,106.76	4,314.20
12,323.80	5.50	22,079.14	9.90	3,753.12	9.90
186,823.75	1,158.80	184,784.48	1,144.00	72,838.11	1,144.00
6,079.76	2.10	3,391.30	1.20	3,586.01	1.20
461,128.12	748.20	490,595.50	815.80	331,049.57	815.80
37,843.08	98.40	36,864.20	95.80	14,734.12	95.80
1,344,037.86	2,833.10	1,546,302.14	3,296.40	817,458.68	3,296.40
188,900.53	427.20	94,318.33	216.50	8,874.40	216.50
53,188.53	16.70	78,246.35	23.50	42,178.12	23.50
145,713.93	145.70	141,065.90	141.10	150,131.31	141.10
3,730,975.36	687.70	3,325,418.60	2,353.80	2,157,386.97	2,353.80
2,042.46	6.10	1,374.75	4.10	972.09	4.10

(Metric tonnes)

2018			2019			2020		
	Domestic Use	Total	Export	Domestic Use	Total	Export	Domestic Use	Total
	4,360.9	2,821,166.4	3,027,517.7	0	3,027,517.7	1,232,106.8	0	1,232,106.8
	12,323.8	12,323.8	...	22,079.1	22,079.1	0	3,753.1	3,753.1
	159,908.2	186,823.8	25,610.1	159,174.4	184,784.5	274.1	72,564.0	72,838.1
	6,079.8	6,079.8	0	3,391.3	3,391.3	0	3,568.0	3,568.0
	83,931.6	461,128.1	417,159.0	73,436.5	490,595.5	282,589.5	48,460.1	331,049.6
	37,843.1	37,843.1	...	36,864.2	36,864.2	0	14,734.1	14,734.1
	1,290,693.2	1,344,037.9	245,946.0	1,300,356.2	1,546,302.1	182,900.9	634,557.8	817,458.7
	36,315.4	188,900.5	92,330.5	1,987.8	94,318.3	0	8,874.4	8,874.4
	53,097.5	53,188.5	662.1	77,584.3	78,246.4	0	42,178.1	42,178.1
	145,713.9	145,713.9	0	141,065.9	141,065.9	8,807.6	141,323.7	150,131.3
	3,106,849.9	3,730,975.4	874,183.7	2,451,234.9	3,325,418.6	323,077.5	1,834,309.5	2,157,387.0
	653.4	2,042.5	1,374.8	0	1,374.8	972.1	0	972.1

Table 6.4.3: Number of Mines and quarries by Type and Dzongkhag, 2020

(Number)

Dzongkhag	Calc Tufa	Coal	Construction stone	Dolomite	Granite	Gypsum	Limestone	Marble	Iron Ore	Phyllite	Quartzite	Talc	Total
Bumthang	0	0	2	0	0	0	0	0	0	0	0	0	2
Chhukha	0	0	3	0	0	0	0	0	0	0	4	1	8
Dagana	0	0	3	0	0	0	0	0	1	0	1	0	5
Gasa	0	0	0	0	0	0	0	0	0	0	0	0	0
Haa	0	0	0	0	0	0	0	0	0	0	0	0	0
Lhuentse	0	0	0	0	0	0	0	0	0	0	0	0	0
Monggar	0	0	2	0	0	0	0	0	0	0	0	0	2
Paro	0	0	5	0	0	0	1	0	0	0	0	0	6
Pema Gatshel	0	0	3	0	0	2	2	0	0	0	0	0	7
Punakha	0	0	0	0	0	0	0	0	0	0	0	0	0
Samdrup Jongkhar	0	3	0	0	0	0	0	0	0	0	0	0	3
Samtse	1	0	9	1	0	0	3	0	0	0	4	0	18
Sarpang	0	0	0	0	0	0	0	0	0	0	0	0	0
Thimphu	0	0	4	0	0	0	1	2	0	0	0	0	7
Trashigang	0	0	2	0	0	0	0	0	0	0	0	0	2
Trashiyangtse	0	0	1	0	0	0	0	0	0	0	0	0	1
Trongsa	0	0	1	0	0	0	0	0	0	0	0	0	1
Tsirang	0	0	0	0	0	0	0	0	0	0	0	0	0
Wangdue Phodrang	0	0	9	0	1	0	0	0	0	0	0	0	10
Zhemgang	0	0	1	0	0	0	0	0	0	0	0	0	1
Total	1	3	45	1	1	2	7	2	1	0	9	1	73

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

Table 6.5.1: Trend on Green House Gas Emissions by Sectors and Removals, 1994 - 2015

(Gg CO₂e)

Year	Sector				Sink Capacity	Net Emission
	Energy	Industrial Process and Product Use	Waste	Agriculture, Forestry & Other Land Use		
1994	93.60	166.93	55.78	1411.43	-8975.94	-7248.19
1995	121.04	181.01	63.90	3093.39	-9006.66	-5547.32
1996	131.53	166.51	60.35	2880.91	-9037.38	-5798.08
1997	112.18	218.58	63.21	2744.64	-9068.11	-5929.49
1998	124.84	197.45	66.10	2072.88	-9098.83	-6637.56
1999	259.13	240.83	69.02	3290.84	-9129.56	-5269.74
2000	259.13	220.45	67.94	3231.77	-9160.28	-5381.01
2001	290.18	250.32	70.81	2457.52	-9170.23	-6101.40
2002	303.14	261.40	73.72	1848.40	-9180.17	-6693.51
2003	381.28	252.39	78.92	1206.83	-9190.11	-7270.69
2004	411.43	242.07	79.16	1020.96	-9200.05	-7446.42
2005	357.26	258.98	80.92	1540.91	-9209.99	-6971.93
2006	332.83	293.28	69.19	2389.42	-9219.93	-6135.21
2007	386.31	419.05	71.01	5123.38	-9229.87	-3230.11
2008	368.12	465.96	72.89	1769.88	-9239.82	-6562.96
2009	386.92	459.31	74.76	1329.96	-9249.76	-6998.82
2010	468.63	497.13	87.75	1750.81	-9259.70	-6455.37
2011	519.40	475.92	89.46	1862.86	-9285.08	-6337.45
2012	588.63	482.84	113.76	1841.37	-9310.46	-6283.86
2013	620.39	596.33	117.82	1886.51	-9335.84	-6114.79
2014	689.20	660.42	122.06	4295.19	-9361.22	-3594.35
2015	707.92	796.42	126.51	2183.25	-9386.60	-5572.50

Note: Gg refers to Giga Gram, 1 Gg = 1000 tonnes

United Nations Framework Convention on Climate Change (UNFCCC)

Source: Third National Communication to the UNFCCC, National Environment Commission

Table 6.5.2: Ambient Air Quality Criteria, Environmental Standards, 2020(µg/m³)

Parameters	Average	Industrial Area	Mixed Area	Sensitive Area
Total suspended particulate matter	24-hour average	500	200	100
	Yearly average	360	140	70
PM 2.5	24-hour average	60	60	60
	Yearly average	40	40	40
PM 10	24-hour average	200	100	75
	Yearly average	120	60	50
Sulphur Dioxide (SO ₂)	24-hour average	120	80	30
	Yearly average	80	60	15
Nitrogen Oxides (NO _x)	24-hour average	120	80	30
	Yearly average	80	60	15
Carbon Monoxide (CO)	8-hour average	5,000	2,000	1,000
	1-hour average	10,000	4,000	2,000
Ozone	8-hour average	100	100	100
	1-hour average	180	180	180

Note: Mixed Area means area where residential, commercial or both activities take place and Sensitive Area means area where sensitive targets are in place like hospitals, schools, and sensitive ecosystems. µg/m³ refers to Micrograms per Cubic Meter

Source: Environmental Standards 2020, National Environment Commission

Table 6.5.3: Annual Average State of the Air Quality by Station, 2017 - 2020

Air Quality Parameters/Station	Unit	2017	2018	2019	2020
Total suspended particulate matter (PM ₁₀)	(µg/m ³)				
Thai Pavilion, Thimphu		36.86	23.57	24.03	19.66
Rinchending, Phuentsholing		...	40.48	46.30	33.47
Pasakha, Phuentsholing		...	...	168.17	...
Deothang		...	...	63.26	43.51
Total suspended particulate matter (PM _{2.5})	(µg/m ³)				
Thai Pavilion, Thimphu		22.44	15.92	16.95	14.23
Rinchending, Phuentsholing		...	24.15	30.08	...
Sulphur Dioxide (SO ₂)	(µg/m ³)				
Thai Pavilion, Thimphu		0.20	0.32	0.49	...
Nitrogen Oxides (NO _x)	(µg/m ³)				
Thai Pavilion, Thimphu		5.06	6.76	16.93	...
Black Carbon	ng/m ³				
Chelela		...	...	...	526.62

Note: µg/m³ refers to Microgram/cubic meter and ng/m³ refers to Nanogram/cubic meter

Source: National Environment Commission

Table 6.5.4: Greenhouse Gas Emissions by Sector and Sources, 2015

Greenhouse Gas Sector/Source		Carbon Dioxide (CO ₂)		Methane (CH ₄)		Nitrous Oxide (N ₂ O)		Total
Unit		Gg CO ₂ eq	Gg	Gg CO ₂ eq	Gg	Gg CO ₂ eq	Gg	Gg CO ₂ eq
1. Energy		691.56	0.36	7.59	0.03	8.77	...	707.92
1.A - Fuel Combustion Activities		691.18	0.29	6.03	0.03	8.77	...	705.99
1.A.1 - Energy Industries		0.01	0.00	0.00	0.00	0.00	...	0.01
1.A.2 - Manufacturing Industries and Construction		241.62	0.03	0.58	0.00	1.26	...	243.46
1.A.3 - Transport		417.01	0.06	1.17	0.02	6.64	...	424.83
1.A.4 - Other Sectors		32.53	0.20	4.28	0.00	0.87	...	37.68
1.B - Fugitive emissions from fuels		0.37	0.07	1.56	...	...	...	1.93
1.B.1 - Solid Fuels		0.37	0.07	1.56	...	...	...	1.93
2. Industrial Processes and Product Use		791.83	0.22	4.59	...	...	...	796.42
2.A - Mineral Industry		378.92	...	...	...	...	...	378.92
2.A.1 - Cement production		378.92	...	...	...	...	...	378.92
2.B - Chemical Industry		50.63	0.13	2.73	...	...	...	53.36
2.B.5 - Carbide Production		50.63	0.13	2.73	...	...	...	53.36
2.C - Metal Industry		362.28	0.09	1.86	...	...	...	364.14
2.C.1 - Iron and Steel Production		7.40	...	...	...	...	...	7.40
2.C.2 - Ferroalloys Production		354.89	0.09	1.86	...	...	...	356.74
3. Agriculture, forestry and land use		1.07	20.55	431.53	0.39	120.28	...	552.87
3.A - Livestock		...	18.03	378.54	0.04	10.94	...	389.48
3.A.1 - Enteric Fermentation		...	16.59	348.49	...	...	...	348.49
3.A.2 - Manure Management		...	1.43	30.05	0.04	10.94	...	40.99
3.B - LULUCF*		...	...	...	...	...	...	...
3.C - Aggregate sources and non-CO ₂ emissions sources on land		1.07	2.52	52.99	0.35	109.34	...	163.40

cont...

Table 6.5.4 cont...

Greenhouse Gas Sector / Source		Carbon Dioxide (CO ₂)		Methane (CH ₄)		Nitrous Oxide (N ₂ O)		Total
Unit		Gg CO ₂ eq		Gg	Gg CO ₂ eq	Gg	Gg CO ₂ eq	Gg CO ₂ eq
3.C.3 - Urea application		1.07		...	...	...	...	1.07
3.C.4 - Direct N ₂ O Emissions from managed soils		...		...	...	0.33	102.94	102.94
3.C.5 - Indirect N ₂ O Emissions from managed soils		...		...	...	0.00	0.04	0.04
3.C.6 - Indirect N ₂ O Emissions from manure management		...		...	...	0.02	6.36	6.36
3.C.7 - Rice cultivations		...		2.52	52.99	...	...	52.99
4. Waste		...		5.85	122.84	0.01	3.67	126.51
4.A - Solid Waste Disposal		...		0.79	16.63	...	...	16.63
4.D - Wastewater Treatment and Discharge		...		5.06	106.20	0.01	3.67	109.87

Note: GgCO₂ eq = Giga gram Carbon Dioxide Equivalent

United Nations Framework Convention on Climate Change (UNFCCC)

Land Use and Land Use Change and Forestry (LULUCF)

*emission from LULUCF is added separately due to computation difference

Source: Third National Communication to the UNFCCC 2020, National Environment Commission

Often dubbed as the backbone of the economy, industries form the bedrock for economic development. They are recognized for their socio-economic roles such as driving innovation and investment, diversifying economic base, creating employment opportunities, curbing rural-urban migration, reducing poverty, and potential to contribute towards economic self-reliance.

Industries are categorized into three sectors, viz. Production and Manufacturing, Service and Contract. Industries are further classified based on ownership as Sole proprietorship, Partnership, Company and others. The trading activities are classified based on the annual sales turnover and operation, into three groups as Micro Trade, Retail Trade and Wholesale Trade.

Foreign Direct Investment (FDI) plays a key role in promoting the transmission of capital inflow and technology transfer. It also helps in expanding the economic base, employment generation, foreign exchange earnings and revenue generation.

This chapter includes the number of licenses issued and number of active licenses in large and medium industry, Cottage and small industry, and trading activities by various categories and dzongkhag. It also includes the number of foreign direct investment and number of mines by dzongkhag.

CONCEPTS AND DEFINITIONS

Sole Proprietorship:	Business owned by an individual.
Partnership:	Business owned by more than one individual.
Company:	If the business is incorporated under the Companies Act of Bhutan 2016.
Others:	It includes those activities that are not covered under sole proprietorship, partnership and company. Others includes Government, Dratshang, Schools etc.
Production and Manufacturing:	It's the physical or chemical transformation of material and components into new products whether the products are sold at wholesale or retail. Example of licensed enterprises are Furniture units, Nursery, Audio Visual production, Dehydrated fruits and vegetables /chips production unit, Home processed food, Fabrication activities, Bakery / Confectionary, Incense production, Gold and Black Smith, etc.
Services:	There is no standard definition for service sector. For our purpose, it will cover all activities where labour is the main input and the activity is geared towards meeting the direct needs of the consumers/clients and therefore demand-based. Example of licensed services are Tailoring, Activities of travel agencies and tour operators, tourist assistance activities, Bar, Barber / Beauty Parlor / Saloon / mobile salon, Goods Transport, entertainment,

Maintenance and Repair of Motor Vehicles, including washing and polishing, Restaurant, Hotel/Tourist standard hotel etc.

Contract:	Criteria for cottage and small for contract firm is same. Example of licensed contract are Visionary Builders and Namgay Construction, etc.
Large scale:	Greater than Nu.100 million investment and more than 100 people employed.
Medium scale:	Greater than Nu.10 million to Nu.100 million and 20 – 99 people employed.
Small:	Nu.1 million to Nu.10 million and 5 – 19 people employed.
Cottage:	Less than Nu.1 million and 1 – 4 people employed. (Note: In case of conflict between investment and employment, investment takes precedence.)
New Licenses issued:	Licenses that have been issued within the past one year or within that financial year.
Existing Active Licenses:	Those licenses which are Valid excluding the New licenses issued within the past one year or within that financial year.
Registration Certificate (RC):	It is issued to a person who intends to engage in industrial activities under the cottage scale. RC is valid for 3 years.
Micro Trade Registration Certificate (MTRC):	It is issued to trader who engage more in sale of products/ goods to consumers or those traders whose engages in trading with annual sales turnover less than Nu. 1 million.
Wholesale Trade:	It engage in bulk purchases of products from principal companies for distribution to retailers. It has annual sales turnover more than Nu.10 million. wholesale by default categorized as large.
Retail Trade:	It engage more in sale of products/goods directly to the consumers. retail trade has large, medium and small scale.
Small Retail Trade:	It has annual sales turnover from Nu.1 million to Nu.5 million.
Medium Retail Trade:	It has annual sales turnover from Nu.5 million to Nu.10 million.
Large Retail Trade:	It has annual sales turnover more than Nu.10 million.

Table 7.1: Number of Industries by Sector, Size and Ownership, 2017- 2021

Industrial Establishments	As of June 2017	As of June 2018	As of June 2019	As of June 2020	As of June 2021
Sector	20,093	22,437	24,595	23,133	22,267
Production & manufacturing	2,125	2,539	3,018	2,845	2,766
Contract	3,440	3,452	3,295	2,269	17,371
Services	14,528	16,446	18,282	18,019	2,130
Size	20,093	22,437	24,595	23,133	22,267
Production & manufacturing	2,125	2,539	3,018	2,845	2,766
Large scale	114	111	127	124	96
Medium scale	196	202	231	137	173
Small scale	470	600	778	794	881
Cottage scale	1,345	1,626	1,882	1,790	1,616
Services	14,528	16,446	18,282	18,019	17,388
Large scale	101	122	150	135	130
Medium scale	297	323	388	306	267
Small scale	1,472	1,810	1,773	1,923	2,744
Cottage scale	12,658	14,191	15,971	15,655	14,247
Contract	3,440	3,452	3,295	2,269	2,113
Large scale	270	261	275	114	117
Medium scale	1,083	1,020	1,096	276	263
Small scale	2,087	2,171	1,924	1,879	1,733
Ownership	20,093	22,437	24,595	23,133	22,267
Sole proprietorship	19,166	21,372	23,372	22,086	21,207
Partnership	182	244	302	295	278
Company	697	749	843	685	722
Others	48	72	78	67	60

Note: The data for June 2020 and 2021 is on the active licenses. The previous years data contains a mix of licenses issued and active licenses.

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

Table 7.2: Number of Large and Medium Industries by Sector, 2017 - 2021

Sector	As of June 2017	As of June 2018	As of June 2019	As of June 2020	As of June 2021
Production & manufacturing	310	313	358	261	269
New licenses issued	34	3	44	16	37
Existing active licenses	276	310	314	245	232
Services	398	445	538	441	397
New licenses issued	27	47	93	36	12
Existing active licenses	371	398	445	405	385
Contract	1,353	1,281	1,371	390	380
New licenses issued	12	26	90	12	17
Existing active licenses	1,341	1,255	1,281	378	363
All sectors	2,061	2,039	2,267	1,092	1,046

Note: The data for June 2020 and 2021 is on the active licenses. The previous years data contains a mix of licenses issued and active licenses.

Source: Department of Industry, MoEA.

Table 7.3: Number of Cottage and Small Industries by Sector, 2017 - 2021

Sector	As of June 2017	As of June 2018	As of June 2019	As of June 2020	As of June 2021
Production & Manufacturing	1,815	2,226	2,660	2,584	2,497
New licenses and RC issued	411	511	579	76	88
Existing active licenses and RC	1,404	1,715	2,081	2,508	2,409
Services	14,570	16,401	17,744	17,578	16,991
New licenses and RC issued	2,260	2,688	3,411	396	587
Existing active licenses and RC	12,310	13,713	14,333	17,182	16,404
Contract	2,087	2,171	1,924	1,879	1,733
New licenses and RC issued	221	292	214	45	145
Existing active licenses and RC	1,866	1,879	1,710	1,834	1,588
All sectors	18,472	20,798	22,328	22,041	21,221

Note: Entertainment data is clubbed with the service from 2021 publication.

Source: Department of Cottage & Small Industry, MoEA.

Table 7.4: Number of Active Licensed Firms in Medium & Large Industry by Ownership, 2017 - 2021

Year	Ownership	Production & Manufacturing	Services	Contract	Total
As of June 2021	Sole Proprietorship	98	259	230	587
	Partnership	16	23	0	39
	Company	152	114	149	415
	Others	3	1	1	5
As of June 2020	Sole Proprietorship	95	290	243	628
	Partnership	18	26	0	44
	Company	145	122	147	414
	Others	3	3	0	6
As of June 2019	Sole Proprietorship	151	373	1,123	1,647
	Partnership	20	19	0	39
	Company	184	142	241	567
	Others	3	4	7	14
As of June 2018	Sole Proprietorship	135	294	1,056	1,485
	Partnership	18	12	0	30
	Company	159	134	218	511
	Others	2	4	7	13
As of June 2017	Sole Proprietorship	137	266	1,145	1,548
	Partnership	16	7	0	23
	Company	157	125	208	490
	Others	0	0	0	0

Note: The data for June 2020 and 2021 is on the active licenses. The previous years data contains a mix of licenses issued and active licenses.

Source: Department of Industry, MoEA

Table 7.5: Number of Active Licensed Firms in Cottage and Small Industry by Ownership, 2017- 2021

Year	Ownership	Production & Manufacturing	Services	Contract	All Types
As of June 2021	Sole Proprietorship	2,369	16,528	1,723	20,620
	Partnership	55	183	1	239
	Company	49	249	9	307
	Others	24	31	0	55
As of June 2020	Sole Proprietorship	2,455	17,145	1,858	21,458
	Partnership	54	197	0	251
	Company	46	204	21	271
	Others	29	32	0	61
As of June 2019	Sole Proprietorship	2,537	17,291	1,897	21,725
	Partnership	59	204	0	263
	Company	38	211	27	276
	Others	26	38	0	64
As of June 2018	Sole Proprietorship	2,121	15,627	2,139	19,887
	Partnership	46	168	0	214
	Company	39	167	32	238
	Others	20	39	0	59
As of June 2017	Sole Proprietorship	1,735	13,826	2,057	17,618
	Partnership	31	127	1	159
	Company	35	143	29	207
	Others	14	34	0	48

Source: Department of Cottage & Small Industry, MoEA

Table 7.6: Number of Production and Manufacturing Firms by Size and Dzongkhag as of June 2021

Dzongkhag	Cottage	Small	Medium	Large	All Types
Bumthang	85	42	1	0	128
Chhukha	72	92	50	38	252
Phuentsholing Thromde	26	35	46	36	143
Other than Phuentsholing Thromde	46	57	4	2	109
Dagana	29	25	2	1	57
Gasa	2	1	0	0	3
Haa	45	23	0	0	68
Lhuentse	32	4	0	0	36
Monggar	77	19	4	3	103
Paro	179	94	8	2	283
Pema Gatshel	36	13	4	5	58
Punakha	46	22	2	0	70
Samdrup Jongkhar	50	44	14	11	119
Samdrup Jongkhar Thromde	12	10	1	1	24
Other than Samdrup Jongkhar Thromde	38	34	13	10	95
Samtse	65	68	33	15	181
Sarpang	105	127	12	11	255
Gelephu Thromde	23	20	3	1	47
Other than Gelephu Thromde	82	107	9	10	208
Thimphu	455	223	25	7	710
Thimphu Thromde	327	134	3	2	466
Other than Thimphu Thromde	128	89	22	5	244
Trashigang	98	24	3	0	125
Trashi Yangtse	95	4	1	0	100
Trongsa	18	7	2	1	28
Tsirang	39	10	1	0	50
Wangdue Phodrang	48	29	10	2	89
Zhemgang	40	10	1	0	51
Total	1,616	881	173	96	2,766

Note: The data for June 2020 and 2021 is on the active licenses. The previous years data contains a mix of licenses issued and active licenses.

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

Table 7.7: Number of Service Industries by Size and Dzongkhag as of June 2021

Dzongkhag	Cottage	Small	Medium	Large	All Types
Bumthang	471	67	9	3	550
Chhukha	1,150	711	20	5	1,886
Phuentsholing Thromde	712	378	18	5	1,113
Other than Phuentsholing Thromde	438	333	2	0	773
Dagana	304	21	0	0	325
Gasa	72	2	0	0	74
Haa	156	16	6	0	178
Lhuentse	166	10	0	0	176
Monggar	587	70	3	0	660
Paro	1,163	159	63	20	1,405
Pema Gatshel	382	48	0	1	431
Punakha	515	62	18	9	604
Samdrup Jongkhar	523	127	4	1	655
Samdrup Jongkhar Thromde	157	66	0	0	223
Other than Samdrup Jongkhar Thromde	366	61	4	1	432
Samtse	498	273	4	1	776
Sarpang	942	148	8	3	1,101
Gelephu Thromde	491	110	5	1	607
Other than Gelephu Thromde	451	38	3	2	494
Thimphu	5,249	841	108	76	6,274
Thimphu Thromde	4,871	777	108	76	5,832
Other than Thimphu Thromde	378	64	0	0	442
Trashigang	423	33	1	2	459
Trashie Yangtse	192	14	1	0	207
Trongsa	320	21	6	0	347
Tsirang	241	17	2	0	260
Wangdue Phodrang	641	77	12	9	739
Zhemgang	252	27	2	0	281
Total	14,247	2,744	267	130	17,388

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

Table 7.8: Number of Contract Firm by Size and Dzongkhag as of June 2021

Dzongkhag	Small	Medium	Large	All Types
Bumthang	50	8	2	60
Chhukha	162	27	15	204
Phuentsholing Thromde	59	13	9	81
Other than Phuentsholing Thromde	103	14	6	123
Dagana	62	3	0	65
Gasa	16	0	0	16
Haa	41	7	0	48
Lhuentse	30	5	2	37
Monggar	60	16	1	77
Paro	110	15	7	132
Pema Gatshel	45	10	2	57
Punakha	59	5	3	67
Samdrup Jongkhar	89	16	7	112
Samdrup Jongkhar Thromde	54	15	7	76
Other than Samdrup Jongkhar Thromde	35	1	0	36
Samtse	95	6	3	104
Sarpang	114	19	18	151
Gelephu Thromde	75	11	16	102
Other than Gelephu Thromde	39	8	2	49
Thimphu	416	81	39	536
Thimphu Thromde	395	79	39	513
Other than Thimphu Thromde	21	2	0	23
Trashigang	77	12	8	97
Trashi Yangtse	60	9	4	73
Trongsa	71	8	1	80
Tsirang	44	0	0	44
Wangdue Phodrang	78	7	2	87
Zhemgang	54	9	3	66
Total	1,733	263	117	2,113

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

Table 7.9: Number of Cottage and Small Industries by Type and Dzongkhag as of June 2021

Dzongkhag	Production & Manufacturing				Services	Contract	All Types
	Agro Based	Forest Based	Mineral Based	Other			
Bumthang	28	74	5	20	538	50	715
Chhukha	55	40	19	50	1861	162	2,187
Phuentsholing Thromde	14	17	2	28	1,090	59	1,210
Other than Phuentsholing Thromde	41	23	17	22	771	103	977
Dagana	16	17	8	13	325	62	441
Gasa	1	1	1		74	16	93
Haa	6	47	1	14	172	41	281
Lhuentse	11	19	1	5	176	30	242
Monggar	22	51	7	16	657	60	813
Paro	60	131	13	69	1,322	110	1,705
Pema Gatshel	11	25	6	7	430	45	524
Punakha	28	22	2	16	577	59	704
Samdrup Jongkhar	14	34	17	29	650	89	833
Samdrup Jongkhar Thromde	3	7	0	12	223	54	299
Other than Samdrup Jongkhar Thromde	11	27	17	17	427	35	534
Samtse	44	23	22	44	771	95	999
Sarpang	79	57	24	72	1090	114	1,436
Gelephu Thromde	9	10	4	20	601	75	719
Other than Gelephu Thromde	70	47	20	52	489	39	717
Thimphu	152	149	8	369	6090	416	7,184
Thimphu Thromde	98	81	2	280	5,648	395	6,504
Other than Thimphu Thromde	54	68	6	89	442	21	680
Trashigang	36	53	10	23	456	77	655
Trashy Yangtse	6	86	2	5	206	60	365
Trongsa	10	12	1	2	341	71	437
Tsirang	28	15	1	5	258	44	351
Wangdue Phodrang	20	35	7	15	718	78	873
Zhemgang	17	25	4	4	279	54	383
Total	644	916	159	778	16,991	1,733	21,221

Source: Department of Cottage & Small Industry, MoEA.

Table 7.10: Number of Large and Medium Industries by Type and Dzongkhag as of June 2021

Dzongkhag	Production & Manufacturing				Services	Contract	All Types
	Agro Based	Forest Based	Mineral Based	Other			
Bumthang	0	0	1	0	12	10	23
Chhukha	20	6	11	51	25	42	155
Phuentsholing Thromde	8	2	0	5	23	22	60
Other than Phuentsholing Thromde	12	4	11	46	2	20	95
Dagana	0	0	2	1	0	3	6
Gasa	0	0	0	0	0	0	0
Haa	0	0	0	0	6	7	13
Lhuentse	0	0	0	0	0	7	7
Monggar	2	1	3	1	3	17	27
Paro	3	1	5	1	83	22	115
Pema Gatshel	0	0	7	2	1	12	22
Punakha	2	0	0	0	27	8	37
Samdrup Jongkhar	6	4	6	9	5	23	53
Samdrup Jongkhar Thromde	1	1	0	1	0	22	25
Other than Samdrup Jongkhar Thromde	5	3	6	8	5	1	28
Samtse	10	4	25	9	5	9	62
Sarpang	9	7	2	5	11	37	71
Gelephu Thromde	1	2	0	0	6	27	36
Other than Gelephu Thromde	8	5	2	5	5	10	35
Thimphu	6	8	9	9	184	120	336
Thimphu Thromde	1	1	0	3	184	118	307
Other than Thimphu Thromde	5	7	9	6	0	2	29
Trashigang	0	0	3	0	3	20	26
Trashie Yangtse	0	0	1	0	1	13	15
Trongsa	0	0	2	1	6	9	18
Tsirang		1			2		3
Wangdue Phodrang	3	0	7	2	21	9	42
Zhemgang	0	0	1	0	2	12	15
Total	61	32	85	91	397	380	1,046

Source: Department of Industry, MoEA.

Table 7.11: Number of Foreign Direct Investment by Sector and Dzongkhag as of June 2021

Dzongkhag	Production and Manufacturing				Services				Contract	All Types
	Agro	Forest	Mineral	Others	Financial services	Hotel	IT/ITES	Other services		
Bumthang	0	0	0	0	0	2	0	0	0	2
Chhukha	1	0	1	7	0	0	0	0	0	9
Phuentsholing Thromde	0	0	0	0	0	0	0	0	0	0
Other than Phuentsholing Thromde	1	0	1	7	0	0	0	0	0	9
Dagana	0	0	0	1	0	0	0	0	0	1
Gasa	0	0	0	0	0	0	0	0	0	0
Haa	0	0	0	0	0	0	0	0	0	0
Lhuentse	0	0	0	0	0	0	0	0	0	0
Monggar	1	0	0	0	0	0	0	0	0	1
Paro	0	0	0	0	0	13	0	0	0	13
Pema Gatshel	0	0	0	0	0	0	0	0	0	0
Punakha	0	0	0	0	0	5	0	0	0	5
Samdrup Jongkhar	0	0	1	2	0	0	0	0	0	3
Samdrup Jongkhar Thromde	0	0	0	0	0	0	0	0	0	0
Other than Samdrup Jongkhar Thromde	0	0	1	2	0	0	0	0	0	3
Samtse	2	1	0	0	0	0	0	0	0	3
Sarpang	0	0	0	4	0	0	0	1	0	5
Gelephu Thromde	0	0	0	0	0	0	0	0	0	0

cont...

Dzongkhag	Production and Manufacturing				Services				Contract	All Types
	Agro	Forest	Mineral	Others	Financial services	Hotel	IT/ITES	Other services		
Other than Gelephu Thromde	0	0	0	4	0	0	0	1	0	5
Thimphu	1	1	0	2	0	3	0	5	1	13
Thimphu Thromde	0	0	0	0	0	3	0	5	1	9
Other than Thimphu Thromde	1	1	0	2	0	0	0	0	0	4
Trashigang	0	0	0	0	0	0	0	0	0	0
Trashigang Yangtse	0	0	0	0	0	0	0	0	0	0
Trongsa	0	0	0	0	0	0	0	0	0	0
Tsirang	0	0	0	0	0	0	0	0	0	0
Wangdue Phodrang	0	0	0	0	0	3	0	0	0	3
Zhemgang	0	0	0	0	0	0	0	0	0	0
Total	5	2	2	16	0	26	0	6	1	58

Source: Department of Industry, MoEA.

Table 7.12: Number of Trade Licenses by Categories and Size, 2017 - 2021

License Category	As of June 2017	As of June 2018	As of June 2019	As of June 2020	As of June 2021
Micro Trade Registration Certificate	5,328	6,159	7,813	9,390	11,610
Retail Trade	4,039	4,797	5,873	6,979	9,422
Large scale	244	34	53	35	58
Medium scale	284	48	79	62	120
Small scale	3,511	676	944	1,009	2,265
Wholesale Trade	414	494	609	690	811
All sectors	9,781	11,450	14,295	17,059	21,843

Note: Scale for trading activities are categorized based on the annual sales turnover.

Source: Department of Trade, MoEA.

Table 7.13: Number of Trade Licenses by Categories, 2017 - 2021

License Category	As of June 2017	As of June 2018	As of June 2019	As of June 2020	As of June 2021
Micro Trade Registration Certificate	5,328	6,159	7,813	9,390	11,610
New licenses issued	853	831	1,654	1,577	2,220
Existing active licenses	4,475	5,328	6,159	7,813	9,390
Retail Trade	4,039	4,797	5,873	6,979	9,422
New licenses issued	496	758	1,076	1,106	2,443
Existing active licenses	3,543	4,039	4,797	5,873	6,979
Wholesale Trade	414	494	609	690	811
New licenses issued	82	80	115	81	121
Existing active licenses	332	414	494	609	690
All sectors	9,781	11,450	14,295	17,059	21,843

Source: Department of Trade, MoEA

Table 7.14: Number of Trade Licenses by Dzongkhag as of June 2021

Dzongkhag	Micro Trade Registration Certificate	Retail Trade	Wholesale Trade	All Types
Bumthang	256	198	10	464
Chhukha	972	1229	183	2384
Phuentsholing Thromde	362	1058	163	1583
Other than Phuentsholing Thromde	610	171	20	801
Dagana	472	150	15	637
Gasa	75	12	0	87
Haa	130	76	12	218
Lhuentse	126	89	10	225
Monggar	453	275	21	749
Paro	853	659	31	1543
Pema Gatshel	239	270	25	534
Punakha	497	251	9	757
Samdrup Jongkhar	358	457	52	867
Samdrup Jongkhar Thromde	42	198	38	278
Other than Samdrup Jongkhar Thromde	316	259	14	589
Samtse	1249	426	45	1720
Sarpang	1252	579	54	1885
Gelephu Thromde	318	366	31	715
Other than Gelephu Thromde	954	213	23	1190
Thimphu	2532	3713	251	6496
Thimphu Thromde	2231	3464	251	5946
Other than Thimphu Thromde	301	249	0	550
Trashigang	493	173	30	696
Trashy Yangtse	172	86	9	267
Trongsa	221	157	8	386
Tsirang	381	129	14	524
Wangdue Phodrang	631	356	15	1002
Zhemgang	228	137	17	382
Total	11,610	9,422	811	21,843

Source: Department of Trade, MoEA

Table 7.15: Number of Establishments by Dzongkhag and Area, 2017

Dzongkhag	Urban	Rural	Both Area
Bumthang	255	91	346
Chhukha	1,449	447	1,896
Dagana	180	347	527
Gasa	27	7	34
Haa	104	61	165
Lhuentse	52	77	129
Monggar	307	239	546
Paro	472	398	870
Pema Gatshel	167	136	303
Punakha	242	194	436
Samdrup Jongkhar	406	218	624
Samtse	260	680	940
Sarpang	634	502	1,136
Thimphu	3,149	336	3,485
Trashigang	296	323	619
Trashigang Yangtse	131	143	274
Trongsa	97	161	258
Tsirang	283	377	660
Wangdue Phodrang	293	248	541
Zhemgang	89	119	208
Total	8,893	5,104	13,997

Note: The Dzongkhag total includes four thromdes.

Source: Economic Census of Bhutan, 2018, NSB.

Table 7.16: Number of Establishments by Thromde, 2017

Thromde	Number	Percent
Thimphu	3,098	59.6
Phuentsholing	1,206	23.2
Gelephu	584	11.2
Samdrup Jongkhar	312	6.0
Total	5,200	100

Source: Economic Census of Bhutan, 2018, NSB.

Table 7.17: Establishments by Economic Sector and Region, 2017

Economic sector	Central	Eastern	Western	Southern	All Regions
Agriculture, forestry and fishing	5	30	23	294	352
Mining and quarrying	0	8	2	23	33
Manufacturing	36	148	309	219	712
Electricity, gas, steam and air conditioning supply	0	0	2	1	3
Water supply; sewerage, waste management and remediation activities	1	1	3	0	5
Construction	5	49	48	66	168
Wholesale and retail trade; repair of motor vehicles and motorcycles	480	1,662	3,487	3,124	8,753
Transportation and storage	0	7	8	30	45
Accommodation and food service activities	238	492	1,106	1,110	2,946
Information and communication	3	9	36	9	57
Financial and insurance activities	0	0	15	1	16
Real estate activities	0	0	3	0	3
Professional, scientific and technical activities	3	11	36	21	71
Administrative and support service activities	1	9	113	50	173
Education	2	3	53	13	71
Human health and social work activities	1	3	13	13	30
Arts, entertainment and recreation	18	12	98	43	171
Other service activities	19	51	176	142	388
Total	812	2,495	5,531	5,159	13,997

Source: *Economic Census of Bhutan, 2018, NSB.*

Bhutan being a landlocked country is mostly dependent on the road network for transportation. Considering Bhutan's mountainous terrain, provision of road services is extremely difficult and costly. However, since the construction of the country's first road "Thimphu-Phuentsholing Highway", the national road network has expanded rapidly over the period of time. The expansion of the road network has played a vital role in connecting villages and towns and reducing the poverty rate. As of June 2021, Bhutan has a road network of 18,264.6 km.

The construction of roads led to the introduction of motor vehicles in the country. Motor vehicles were first introduced in Bhutan in 1962 and it continues to be the main form of transportation. In the beginning, the Bhutan Government Transport Service was mandated with transportation of goods and later on it was restructured to concentrate on passenger transport. In 1985, the process of privatization of passenger transport began on pilot basis and it was fully privatized by 1991. As of June 2021, there are 1,14,646 registered vehicles in Bhutan.

Druk Air, the national airline was founded in April 1981 and was commercialized in February 1983. Bhutan became a member of the International Civil Aviation Organization in 1989. In 2011, Druk Air Corporation started to provide domestic flight services in the country. Similarly, Bhutan Airlines became the first privately operated airline in the country since 2011. The Royal Bhutan Helicopter Services Limited (RBHSL) was incorporated as State Owned Enterprises on 9th July, 2015.

The first telephone network was established in 1963. 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. On 2nd June 1999, the country established its first television network and also started the Internet Services. Information and Communication Technology plays a major role in access to global information. Bhutan Telecom Limited, owned by the government and Tashi InfoComm Limited, a first private mobile company established in 2006 are the two companies providing telecommunication services in the country.

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 post office provided basic services and international mail was only exchanged with India. The express mail services were introduced into the domestic sector in 1966 and as its portfolio of services developed and improved over time, an International Express Mail Service (EMS) was introduced in July 1993. Bhutan became a member of the Universal Postal Union (UPU) and member of the Asian Pacific Postal Union (APPU) in 1983. As of 2020, there are in total 48 postal infrastructures in the country.

This chapter includes information on Roads and Bridges, vehicles registered and the driving licenses issued, Drukair, Bhutan Airline and the Royal helicopter services. It also includes the data on Fixed line connection, B-mobile and Tashi Cell, Postal infrastructures and courier services in the country.

Table 8.1.1: Number and Length of Motorable Bridges by Type as of June 2021

Type of Bridges	Number	Total Length (M)
Permanent Bridges		
Reinforced Concrete T Beam / T-Girder/Box Grid	67	1,353.20
Reinforced Cement Concrete Slab	35	467.75
Pre-Stressed Concrete	29	1,684.90
Reinforced Cement Concrete Arch	4	383.00
Composite	24	528.00
Steel Pony Truss	11	190.00
Steel Arch	11	1,059.25
Steel Hamilton	7	240.60
Steel Truss / Girder	15	1,355.40
Multicell Box Culvert	8	406.00
Temporary (semi-permanent) Bridges		
Bailey Bridges	164	5,575.84
Bailey Suspension Bridge	6	695.13
Total	381	13,939.07

Source: Bridge Division, Department of Roads, MoWHS.

Table 8.1.2: Number and Total Length of Motorable Bridges by Type and Dzongkhag as of June 2021

Dzongkhag	Composite		RCC Slab		RCC T-Beam/ Girder		RCC Arch		Multicell Box culvert			
	Number	Total Length	Number	Total Length	Number	Total Length	Number	Total Length	Number	Total Length	Number	
Bumthang	1	40.00	2	15.50	8	160.60	0	0.00	0	0.00	0	
Chhukha	1	9.00	1	126.00	2	44.00	0	0.00	2	80.00	6	
Dagana	0	0.00	1	8.00	0	0.00	0	0.00	0	0.00	1	
Gasa	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	
Haa	0	0.00	0	0.00	3	52.70	0	0.00	0	0.00	0	
Lhuentse	0	0.00	3	30.00	1	16.00	0	0.00	0	0.00	0	
Monggar	0	0.00	4	45.00	6	91.90	0	0.00	0	0.00	1	
Paro	2	111.00	1	15.90	2	21.00	0	0.00	1	18.00	3	
Pema Gatshel	0	0.00	0	0.00	5	117.00	1	118.00	0	0.00	0	
Punakha	0	0.00	1	12.00	1	20.00	0	0.00	0	0.00	0	
Samdrup Jongkhar	5	61.00	0	0.00	2	42.20	1	19.00	0	0.00	1	
Samtse	0	0.00	0	0.00	3	70.00	0	0.00	0	0.00	0	
Sarpang	8	78.00	2	19.20	5	64.00	0	0.00	5	308.00	6	
Thimphu	0	0.00	5	48.00	10	258.30	1	126.00	0	0.00	3	
Trashigang	1	35.00	3	26.05	5	138.00	0	0.00	0	0.00	0	
Trashi Yangtse	0	0.00	4	34.30	0	0.00	0	0.00	0	0.00	0	
Trongsa	2	69.00	2	13.00	3	78.00	0	0.00	0	0.00	1	
Tsirang	0	0.00	2	31.00	0	0.00	0	0.00	0	0.00	2	
Wangdue Phodrang	1	45.00	2	24.00	4	63.80	1	120.00	0	0.00	4	
Zhemgang	3	80.00	2	19.80	7	115.70	0	0.00	0	0.00	1	
Total	24	528.00	35	467.75	67	1,353.20	4	383.00	8	406.00	29	

Source: Bridge Division, Department of Roads, MoWHS.

(Length in meter)

Pre-Stressed Concrete		Steel Arch		Steel Truss/ Girder		Steel Pony Truss		Steel Hemilton		Bailey Suspension Bridge		Bailey Bridge	
	Total Length	Number	Total Length	Number	Total Length	Number	Total Length	Number	Total Length	Number	Total Length	Number	Total Length
	0.00	0	0.00	0	50.00	1	0.00	0	0.00	0	0.00	5	128.05
	507.55	0	0.00	1	0.00	3	395.00	5	144.00	0	0.00	7	295.74
	40.00	1	95.20	0	0.00	1	57.60	0	0.00	0	0.00	9	185.98
	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	5	146.35
	0.00	0	0.00	1	0.00	2	115.00	0	0.00	0	0.00	5	225.61
	0.00	1	70.00	0	0.00	0	0.00	0	0.00	0	0.00	15	475.62
	116.20	0	0.00	2	54.00	1	64.00	0	0.00	1	121.95	12	326.22
	163.00	0	0.00	2	0.00	0	134.00	0	0.00	0	0.00	10	341.48
	0.00	0	0.00	1	0.00	0	50.00	0	0.00	0	0.00	7	222.55
	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	9	344.51
	50.00	0	0.00	0	0.00	1	80.00	1	60.00	0	0.00	12	371.38
	0.00	1	175.00	0	0.00	0	0.00	1	36.60	3	353.66	13	685.97
	301.15	1	70.00	1	0.00	0	120.00	0	0.00	0	0.00	6	326.27
	75.00	2	126.00	1	0.00	0	40.00	0	0.00	0	0.00	8	185.96
	0.00	0	0.00	1	0.00	0	90.00	0	0.00	1	109.76	11	353.68
	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	6	225.63
	46.50	0	0.00	3	43.00	1	133.60	0	0.00	1	109.76	8	240.84
	95.00	1	86.00	0	0.00	0	0.00	0	0.00	0	0.00	2	67.08
	162.50	0	0.00	1	43.00	1	33.00	0	0.00	0	0.00	7	143.39
	128.00	4	437.05	1	0.00	0	43.20	0	0.00	0	0.00	7	283.53
	1,684.90	11	1,059.25	15	190.00	11	1,355.40	7	240.60	6	695.13	164	5,575.84

Table 8.1.3: Number of Pedestrian Bridges Constructed since 5th Five Year Plan by Dzongkhag as of June 2021

Dzongkhag	IV & Before		Five Year Plans periods								Total Constructed (I -XII)		Existing Bridge as of present
	V	VI	VII	VIII	IX	X	XI	XII					
Bumthang	1	7	3	4	2	2	1	0	0		20		16
Chhukha	3	5	1	3	4	2	4	2	0		24		17
Dagana	3	4	2	5	4	4	6	1	1		30		25
Gasa	0	0	2	2	2	1	0	1	0		8		4
Haa	3	6	1	4	2	0	1	1	0		18		15
Lhuentse	3	4	2	4	4	6	5	5	4		37		27
Monggar	9	5	2	5	6	7	7	0	0		41		33
Paro	3	8	3	2	2	2	3	1	0		24		21
Pema Gatshel	5	11	2	4	6	4	5	1	0		38		29
Punakha	3	4	1	1	1	3	3	1	0		17		14
Samdrup Jongkhar	7	11	6	3	3	3	7	3	0		43		25
Samtse	9	15	2	1	4	2	5	4	0		42		34
Sarpang	6	8	5	0	5	3	2	1	1		31		21
Thimphu	1	1	3	3	0	4	2	4	0		18		15
Trashigang	8	10	2	4	7	7	2	1	0		41		30
Trashigangtse	3	6	4	3	3	3	7	0	0		29		25
Trongsa	4	6	3	4	1	2	2	2	0		24		18
Tsirang	5	4	1	2	2	1	1	0	1		17		14
Wangdue Phodrang	2	10	5	3	2	3	2	0	0		27		25
Zhemgang	1	5	4	4	5	6	4	3	0		32		27
Total	79	130	54	61	65	65	69	31	7		561		435

Source: Suspension Bridge Section, Bridge Division, Department of Roads, MoWHs.

Table 8.1.4: Length of Roads by Type, 2017 - 2021

(Km)

Type of Road	Asian Highway	Express-way	Primary National Highway	Secondary National Highway	Dzongkhag Road	Urban Road	Farm Road	Access Road ¹	All road
As of June 2021	142.90	6.20	1,531.09	1,160.74	2,072.86	417.08	11,257.16	1,676.58	18,264.61
Black topped	142.90	6.20	1,531.09						4,857.51
Non-black topped	0.00	0.00	0.00						13,407.09
As of June 2020		6.20	1,682.59	1,152.14	2,071.16	417.08	11,257.16	1,677.78	18,264.10
Black topped		6.20	1,682.59	937.65	1,163.38	402.77	150.92	456.48	4,799.99
Non-black topped		0.00	0.00	214.49	907.78	14.31	11,106.24	1,221.30	13,464.11
As of June 2019		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
As of June 2018		6.20	1,822.65	903.28	2,004.69	417.11	11,292.29	1,735.08	18,181.30
Black topped		6.20	1,733.85	677.93	1,135.11	402.80	12.60	506.70	4,475.19
Non-black topped		0.00	88.80	225.35	869.59	14.31	11,279.69	1,228.38	13,706.12
As of June 2017		6.20	1,965.22	878.39	2,606.22	436.82	5,049.65	1,406.24	12,348.74
Black topped		6.20	1,560.52	641.80	1,075.30	350.00	0.00	0.00	3,633.82
Non-black topped		0.00	404.70	236.59	1,530.92	86.82	5,049.65	1,406.24	8,714.92

Note: ¹ Access road includes forest road and power tiller road.

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

c. Length of farm roads reduced after omitting the repeated data.s.d. Asian highway is included in primary national highway

Source: Design Division, Department of Roads, MoWHS. Source for farm road information: GNHC.

Table 8.1.5: Length of Roads by Type and Dzongkhag as of 2021

Dzongkhag	Express way	Primary National Highway	Secondary National Highway	
Bumthang	0.00	86.78	67.00	
Chhukha	0.00	220.16	45.28	
Dagana	0.00	17.60	173.77	
Gasa	0.00	0.00	46.30	
Haa	0.00	0.00	154.24	
Lhuentse	0.00	0.00	104.50	
Monggar	0.00	222.45	5.00	
Paro	0.00	38.60	83.00	
Pema Gatshel	0.00	110.00	121.00	
Punakha	0.00	53.00	30.10	
Samdrup Jongkhar	0.00	60.00	74.00	
Samtse	0.00	55.00	127.60	
Sarpang	0.00	118.00	0.00	
Thimphu	6.20	37.50	7.15	
Trashigang	0.00	116.90	16.00	
Trashigang	0.00	45.00	0.00	
Trongsa	0.00	146.50	36.00	
Tsirang	0.00	61.00	2.30	
Wangdue Phodrang	0.00	131.00	5.50	
Zhemgang	0.00	154.50	62.00	
Total	6.20	1,673.99	1,160.74	

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. 6.2 Km of Asian highway is included in the express way and 145.15 Km is clubbed to Primary National Highway

Source: Department of Roads, MoWHS.Source for farm road information: GNHC.

(Km)

Dzongkhag Road ²	Urban Road ¹	Farm Road	Access Road ¹	All roads
19.56	1.70	181.44	106.25	462.73
188.41	28.58	511.46	197.73	1,191.62
124.62	1.50	715.23	49.55	1,082.27
26.10	0.00	37.03	2.25	111.68
19.10	7.93	279.33	81.00	541.60
52.62	0.77	580.40	151.13	889.42
312.69	11.96	1,424.57	65.03	2,041.70
30.42	5.20	578.96	82.24	818.42
150.47	0.00	816.17	42.26	1,239.90
41.01	4.41	522.88	103.87	755.27
119.34	7.32	394.04	41.66	696.36
109.89	8.25	940.33	15.50	1,256.57
107.16	15.82	616.95	166.66	1,024.59
40.72	281.80	139.11	252.70	765.18
275.88	6.60	841.19	28.49	1,285.06
71.45	8.72	524.90	28.05	678.12
39.46	0.62	333.20	9.79	565.57
81.51	3.30	646.23	21.31	815.65
103.41	8.50	759.06	180.83	1,188.30
159.04	14.10	414.70	50.28	854.62
2,072.86	417.08	11,257.16	1,676.58	18,264.60

Table 8.2.1: Number of Registered Vehicles by Type and Region, 2017 - 2021

Region	Government												
	Heavy	Medium	Light	Two Wheeler	Power Tiller	Tractor	Earth Moving Equipments	Electric Vehicle	Total	Heavy	Medium	Light	
As of June 2021	1,343	309	3,096	1,514	709	143	402	42	7,558	11,092	1,708	71,364	
Thimphu	584	67	1,774	483	512	76	161	29	3,686	2,913	495	42,559	
Phuntsholing	612	172	790	669	15	22	98	13	2,391	7,056	943	20,632	
Gelephu	77	23	231	122	68	11	103	0	635	547	185	4,091	
Samdrup Jongkhar	57	34	211	230	64	32	39	0	667	473	48	2,530	
Monggar	13	13	90	10	50	2	1	0	179	103	37	1,552	
As of June 2020	1,323	290	3,008	1,482	705	137	379	34	7,358	10,937	1,645	68,098	
Thimphu	581	52	1,692	473	508	72	155	22	3,555	2,831	466	40,233	
Phuntsholing	596	168	790	658	15	22	89	12	2,350	7,031	932	20,153	
Gelephu	76	22	229	116	68	9	100	0	620	522	164	3,822	
Samdrup Jongkhar	57	35	211	229	64	32	34	0	662	470	48	2,479	
Monggar	13	13	86	6	50	2	1	0	171	83	35	1,411	
As of 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	
As of 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	
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	0	552	355	118	2,657	
Samdrup Jongkhar	51	37	219	232	42	31	40	0	652	400	44	2,059	
Monggar	5	10	67	1	18	2	0	0	103	52	19	725	

Note: Excludes vehicles of armed forces. From 2021, BHT is included under Government. For 2017, the data refers to calendar year.

Source: Road safety and transport Authority, MoIC.

Private								BHT		Diplomats/CD				All Types
	Two-Wheeler	Power Tiller	Tractor	Earth Moving Equipments	Electric Vehicle	Taxi	Total	Light	Total	Light	Two-Wheeler	Electric Vehicle	Total	
	10,269	2,904	385	3,332	108	5,886	107,048	...	...	32	6	2	40	114,646
	3,836	2,439	113	1,185	87	3,887	57,514	...	...	32	6	2	40	61,240
	3,749	72	165	1,648	16	1,108	35,389	...	...	0	0	0	0	37,780
	1,170	131	70	201	4	598	6,997	...	...	0	0	0	0	7,632
	1,200	243	28	199	0	106	4,827	...	...	0	0	0	0	5,494
	314	19	9	99	1	187	2,321	...	...	0	0	0	0	2,500
	10,021	2,441	365	3,049	93	5,588	102,237	37	37	27	3	1	31	109,663
	3,662	1,984	111	1,069	74	3,644	54,074	37	37	27	3	1	31	57,697
	3,682	71	165	1,569	14	1,086	34,703	0	0	0	0	0	0	37,053
	1,158	128	52	166	4	576	6,592	0	0	0	0	0	0	7,212
	1,214	243	28	182	0	102	4,766	0	0	0	0	0	0	5,428
	305	15	9	63	1	180	2,102	0	0	0	0	0	0	2,273
	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
	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
	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	0	4,141	0	0	0	0	0	0	4,793
	215	68	10	7	48	0	1,144	0	0	0	0	0	0	1,247

Table 8.2.2 : Number of Driving Licenses Issued by Region and Category, 2017 - 2021

Region	2017	As of June 2018	As of June 2019	As of June 2020	As of June 2021
Thimphu	60,213	63,052	68,363	72,261	75,513
Phuentsholing	14,364	15,306	17,109	18,323	19,083
Gelephu	15,786	16,515	18,067	19,012	19,871
Samdrup Jongkhar	10,684	10,993	11,576	11,973	12,087
Monggar	1,975	2,336	3,166	3,701	4,222
Total	103,022	108,202	118,281	125,270	130,776

Note: For 2017, the data refers to calendar year.

Source: Road Safety and Transport Authority, MoIC.

Table 8.3.1: Number of Passengers Carried & Revenue Earned by Druk Air Flights and Area of Operation, 2016 - 2020

Area of Operation	2016	2017	2018	2019	2020
International	212,962	244,823	259,453	260,212	42,241
Paro to Kolkata	13,908	13,452	12,622	15,835	2,397
Kolkata to Paro	13,374	13,064	12,472	14,595	2,430
Paro to Bangkok	27,573	29,907	34,260	33,902	5,883
Bangkok to Paro	27,851	29,101	30,914	32,016	5,517
Paro to Dhaka	7,907	8,649	7,275	7,803	1,030
Dhaka to Paro	7,993	9,057	7,694	8,010	1,016
Paro to Delhi	23,684	31,267	32,970	31,682	5,756
Delhi to Paro	24,481	29,888	33,128	32,267	5,441
Paro to Kathmandu	13,912	20,889	22,085	22,849	3,299
Kathmandu to Paro	13,898	21,102	22,290	23,156	3,037
Kathmandu to Delhi	1,601	1,590	1,031	1,884	91
Delhi to Kathmandu	736	594	766	1,866	60
Kolkata to Bangkok	1,926	1,536	1,060	0	0
Bangkok to Kolkata	3,571	2,573	2,418	0	97
Dhaka to Bangkok	0	0	0	0	0
Bangkok to Dhaka	0	0	0	0	0
Gaya to Bangkok	399	375	570	0	12
Bangkok to Gaya	486	164	325	0	5
Paro to Gaya	1,353	1,168	2,019	1,467	615
Gaya to Paro	777	1,305	1,686	1,250	799
Paro to Bagdora	1,771	1,632	2,318	2,159	307
Bagdora to Paro	2,141	2,658	2,960	2,740	567
Bagdora to Bangkok	2,513	2,166	2,691	1,519	71
Bangkok to Bagdora	2,009	1,990	2,329	1,423	644
Paro to Guwahati	1,600	1,606	2,429	3,879	456
Guwahati to Paro	1,638	1,768	2,199	3,663	402
Guwahati to Bangkok	2,003	1,675	1,738	0	0
Bangkok to Guwahati	1,577	1,586	1,527	0	0
Paro to Singapore	6,170	7,105	6,461	6,925	1,121
Singapore to Paro	6,110	6,956	8,497	7,065	705
Guwahati to Singapore	...	...	366	1,151	281
Singapore to Guwahati	...	...	353	1,106	202
Domestic	7,688	11,890	12,393	15,880	6,509

cont...

Table 8.3.1 cont...

Area of Operation	2016	2017	2018	2019	2020
Paro to Bumthang	3,704	5,239	4,161	4,268	717
Bumthang to Paro	3,510	5,527	4,489	4,332	638
Paro to Gelephu	137	138	339	821	306
Gelephu to Paro	181	81	282	601	253
Paro to Younphula	0	429	1,386	2,551	2,338
Younphula to Paro	0	476	1,462	2,962	2,173
Gelephu to Bumthang	81	0	0	0	0
Bumthang to Gelephu	75	0	0	0	0
Gelephu to Younphula	...	...	119	247	16
Younphula to Gelephu	...	...	128	98	56
Bumthang to Younphula	...	...	15	0	11
Younphula to Bumthang	...	...	12	0	1
Others	...	...	...	9,819	0
Charter	...	...	...	5,571	0
East Timor (DIL)	...	...	...	4,248	0
Total Passengers	220,650	256,713	271,846	285,911	48,750
Revenue (Nu. in Million)	2,860.000	3,526.450	3,695.900	4,161.880	1,439.000

Note: Revenue includes only total operating revenue. Charter and DIL are segregated from International and Domestic Categories from 2019.

Source: Druk Air Corporation Ltd., Department of Air Transport, MoIC.

Table 8.3.2: Number of Flights Made by Druk Air and Area of Operation, 2016 - 2020

Area of Operation	2016	2017	2018	2019	2020
International	5,029	4,990	5,277	4,695	1,107
Paro to Kolkata	357	354	349	241	55
Kolkata to Paro	352	350	348	241	55
Paro to Bangkok	391	406	530	457	133
Bangkok to Paro	390	408	530	452	133
Paro to Dhaka	178	222	196	151	34
Dhaka to Paro	178	222	196	151	34
Paro to Delhi	304	359	359	400	88
Delhi to Paro	304	358	360	401	87
Paro to Kathmandu	369	358	367	354	73
Kathmandu to Paro	356	357	366	354	73
Paro to Gaya	25	35	51	30	18
Gaya to Paro	26	26	42	29	18
Gaya to Bangkok	13	17	25	1	13
Bangkok to Gaya	14	8	16	0	13
Delhi to katmandu	50	53	43	135	32
kathmandu to Delhi	62	55	44	135	34
Bangkok to kolkata	138	139	150	0	1
Kolkata to Bangkok	138	140	149	0	1
Dhaka to Bangkok	0.0	0.0	0.0	0.0	0.0
Bangkok to Dhaka	0.0	0.0	0.0	0.0	0.0
Paro to Bagdora	109	104	105	105	22
Bagdora to Paro	89	104	104	104	22
Bagdora to Bangkok	109	104	105	87	12
Bangkok to Bagdora	89	104	104	86	13
Paro to Guwahati	105	104	122	191	24
Guwahati to Paro	103	103	120	191	24
Guwahati to Bangkok	105	104	95	0	0
Bangkok to Guwahati	103	103	95	0	0
Paro to Singapore	139	146	127	98	25
Singapore to Paro	138	147	127	99	25
Kolkata to Dhaka	0	0	0	0	0
Dhaka to Kolkata	0	0	0	0	0
Singapore to Guwahati	...	...	25	99	23
Guwahati to Singapore	...	...	27	99	22

cont...

Table 8.3.2 cont...

Area of Operation	2016	2017	2018	2019	2020
Bangkok to Singapore	0	0	0	4	0
Domestic	448	644	880	1,230	393
Paro to Bumthang	178	288	258	283	67
Bumthang to Paro	177	289	255	282	67
Paro to Gelephu	31	15	62	127	35
Gelephu to Paro	31	16	59	127	35
Gelephu to Bumthang	15	0	0	0	0
Bumthang to Gelephu	16	0	1	0	0
Paro to Younphula	0	18	70	139	82
Younphula to Paro	0	18	70	139	82
Gelephu to Younphula	...	...	27	75	7
Younphula to Gelephu	...	...	33	58	14
Bumthang to Younphula	...	...	25	0	2
Younphula to Bumthang	...	...	20	0	2
Others	...	...	...	121	176
Charter	...	...	...	85	152
East Timor (DIL)	...	...	...	36	0
Cargo flight	...	...	...	...	24
All sectors	5,477	5,634	6,157	6,046	1,676

Note: Total number of flights includes both the Aircrafts Airbus 319, 320 and ATR 42.

Charter and DIL are segregated from International and Domestic Categories from 2019.

Cargo flight is segregated from International and Domestic categories from 2020.

Source: Druk Air Corporation Ltd., Department of Air Transport, MoIC.

Table 8.3.3: Number of Passengers Carried & Revenue Earned by Bhutan Airline Flights and Area of Operation, 2016 - 2020

Area of Operation	2016	2017	2018	2019	2020
Paro to Kolkata	8,552	9,331	15,842	20,871	1,884
Kolkata to Paro	8,150	8,785	13,379	18,795	57
Paro to Bangkok	15,584	19,008	16,818	15,249	1,604
Bangkok to Paro	16,144	17,658	15,979	14,518	575
Kolkata to Bangkok	17,700	3,942	7,113	7,759	1,420
Bangkok to Kolkata	17,600	4,834	6,316	6,042	1,342
Paro to Kathmandu	5,687	4,518	5,723	6,776	348
Kathmandu to Paro	6,374	3,862	5,110	6,493	1,441
Paro to Delhi	6,725	7,853	14,215	19,372	1,054
Delhi to Paro	6,820	7,241	13,990	19,333	1,398
Paro to Gaya	400	544	585	335	56
Gaya to Paro	400	688	560	460	0
Bangkok to Gaya	520	867	2,512	1,199	401
Gaya to Bangkok	420	896	2,149	1,006	332
Delhi to Kathmandu	...	2	932	794	19
Kathmandu to Delhi	...	395	1,319	721	16
Others					
Charter	...	...	...	...	1,375
Total Passengers	111,076	90,424	122,542	139,723	13,322
Revenue (Nu. in Million)	1,418.000	1,691.000	1,332.000	1,432.000	128.000

Note: a. Revenue includes only total operating revenues. It is the income from the passenger sale only.

b. From 2020, Charter and Cargo flight is segregated separately.

c. For 2020, Charter flight includes 2 relief flights with 121 and 126 with 1 infant passengers in December 2020 that was initiated to bring back Bhutanese to the country.

Source: Bhutan Airlines (Tashi Air Pvt. Ltd.), Department of Air Transport, MoIC.

Table 8.3.4: Number of Flights Made by Bhutan Airline and Area of Operation, 2016 - 2020

Area of Operation	2016	2017	2018	2019	2020
Paro to Kolkata	346	331	316	349	41
Kolkata to Paro	334	328	312	342	40
Paro to Bangkok	353	370	354	338	59
Bangkok to Paro	353	371	346	338	56
Kolkata to Bangkok	327	313	268	269	40
Bangkok to Kolkata	315	309	263	262	39
Paro to Kathmandu	175	129	163	141	9
Kathmandu to Paro	162	120	147	130	11
Delhi to Paro	148	153	211	244	19
Paro to Delhi	148	152	206	244	19
Paro to Gaya	8	20	41	21	4
Gaya to Paro	8	20	41	23	5
Bangkok to Gaya	8	20	41	23	5
Gaya to Bangkok	8	20	41	21	4
Kathmandu to Delhi	...	14	96	64	7
Delhi to Kathmandu	...	8	80	68	8
Others					
Charter	...	...	...	...	15
Cargo Flight	...	...	...	...	30
All sectors	2,693	2,678	2,926	2,877	411

Note: a. From 2020, Charter and Cargo flight is segregated separately.

b. For 2020, Charter flight includes 2 relief flights that was initiated to bring back Bhutanese to the country.

Source: Bhutan Airlines (Tashi Air Pvt. Ltd.), Department of Air Transport, MoIC.

Table 8.3.5: Number of Flights Made by Type of Helicopter Services, 2017 - 2020

Type of Services	2016	2017	2018	2019	2020
Medical Evacuations	120	158	157	153	83
Fire Fighting	6	5	20	0	2
Airlifting of relief materials during the flood	0	0	0	0	0
Aerial Works	37	110	14	67	17
Chartered	247	248	546	648	360
Tourist	98	106	164	219	26
Local	45	36	75	122	57
Local (RGoB)	71	48	73	56	60
Local (Highlanders/Subsidized)	33	58	234	251	217
Total	410	521	737	868	462

Source: Royal Bhutan Helicopter Services Limited, Department of Air Transport, MoIC.

Table 8.3.6: Number of passengers carried by Type of Helicopter Services and Revenue Earned, 2016 - 2020

Type of Services	2016	2017	2018	2019	2020
Medical Evacuations	391	317	176	199	157
Fire Fighting	0	0	0	0	0
Airlifting of relief materials during the flood	0	0	0	0	0
Chartered	798	855	973	2029	312
Tourist	439	481	477	804	95
Local	159	205	418	1142	196
Local (RGOB)	200	169	78	83	21
Local (Highlanders/Subsidized)	305	311	780	771	745
Total	1,494	1,483	1,929	2,999	1,214
Revenue (Nu. in Million)	135.120	162.640	172.920	161.450	79.760

Note: Aerial Works included in local charter.

Source: Royal Bhutan Helicopter Services Limited, Department of Air Transport, MoIC.

Table 8.4.1: Number of Active Fixed Line connection by Dzongkhag, 2016 - 2020

Dzongkhag	2016	2017	2018	2019	2020
Bumthang	503	521	612	571	554
Chhukha	2,535	2,448	2,475	1,492	2,565
Dagana	172	179	176	170	142
Gasa	65	67	73	76	99
Haa	301	305	289	291	342
Lhuentse	136	123	134	141	156
Monggar	610	586	556	488	539
Paro	1,689	1,737	1,621	1,628	1,854
Pema Gatshel	211	204	214	216	226
Punakha	424	383	373	273	520
Samdrup Jongkhar	922	890	928	1,013	979
Samtse	557	540	560	584	523
Sarpang	1,031	984	985	957	968
Thimphu	9,445	9,993	10,525	11,159	11,008
Trashigang	675	643	637	597	610
Trashy Yangtse	167	173	189	190	203
Trongsa	380	363	375	478	382
Tsirang	224	197	217	227	221
Wangdue Phodrang	734	740	784	734	816
Zhemgang	300	288	292	296	280
Total	21,081	21,364	22,015	21,581	22,987

Note: Telephone is renamed as Active fixed line from 2021 publication.

Source: Bhutan Telecom Limited.

Table 8.4.2: Number of Fixed line Calls and Revenue Earned, 2016 - 2020

Type of Call	2016	2017	2018	2019	2020
Fixed Line Trunk Circuit	2,434	2,242	2,362	1,606	4,916
Integrated Services digital network user part(ISUP)	...	...	...	...	880
National	...	...	...	...	337
International	...	...	...	...	543
Primary rate access (PRA)	...	...	...	...	1,020
National	...	...	...	...	1,020
International	...	...	...	...	...
Session Initiation Protocol (SIP)	424	424	1,124	2,694	3,016
National	424	424	1,124	1,194	1,700
International				1,500	1,316
Connection Capacity	44,144	43,368	37,760	35,392	34,464
Fixed Line Connections	21,081	21,364	22,015	21,581	22,987
Domestic Calls	15,014,226	15,977,980	21,219,654	18,332,819	14,584,057
International Calls ¹	377,738	332,676	563,033	504,681	249,347
India	325,722	291,204	482,296	420,968	211,746
Other	52,016	41,472	80,736	83,713	37,601
Total calls	15,391,964	16,310,656	21,782,687	18,837,500	14,833,404
Revenue (Nu.in Million)	102.000	95.000	89.000	85.660	72.120

Note: Till 2019, Fixed line Trunk circuit includes National ISUP and PRA. From 2020, it includes ISUP, PRA and SIP.

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 are from fixed line Calls only.

Connect capacity refers to total number of port available in a access gateway. For 2020, the data for "Fixed Line Trunk Circuit" is as of August 2021.

Source: Bhutan Telecom Limited.

Table 8.4.3: Number of B-Mobile Subscribers, Calls, Internet and Revenue Earned, 2016 - 2020

Details	2016	2017	2018	2019	2020
B-Mobile Subscribers	475,373	475,394	437,152	454,212	466,796
Active	...	...	...	...	423,020
Passive	...	...	...	...	43,776
Domestic Calls	...	...	...	...	25,409,169
International Calls	...	...	...	...	386,446
India	...	...	...	...	...
Others	...	...	...	...	...
Internet (Mobile Data)	391,760	454,228	552,830	461,450	466,797
3G	375,007	438,307	438,037	248,359	182,078
4G			105,175	160,109	246,847
GPRS/EDGE			...	45,744	37,872
Internet (ISP)	16,753	15,921	9,618	7,238	4,501
Broadband	16,172	15,323	8,846	6,085	2,597
Leased Line	581	598	772	1,153	1,904
Revenue (Nu.in Million)	2,936.000	3,099.000	3,480.000	3,943.340	4,250.500

Note: The figures for the domestic and international calls are minutes of calls.

Before 2018, BT did not have data on EDGE/GPRS as all connection were connected to 3G/4G.

Till 2017, 3G/4G data were clubbed together. Revenue are from mobile and internet services.

Source: Bhutan Telecom Limited.

Table 8.4.4: Number of Tashicell Mobile Subscribers, Calls, Internet & Revenue Earned, 2016 - 2020

Details	2016	2017	2018	2019	2020
Mobile Subscribers	223,266	255,229	266,402	275,027	278,341
Active	...	...	...	...	242,378
Passive	...	...	...	...	35,963
Domestic Calls	151,060,457	86,250,668	89,831,320	163,831,512	168,491,754
International Calls	10,107,815	7,402,851	5,615,417	3,860,319	1,672,318
India	...	7,230,994	5,489,939	3,771,004	1,631,133
Others	...	171,857	125,478	89,315	41,185
Internet (Mobile Data)	165,420	206,068	232,415	246,764	262,407
3G	165,420	206,068	171,742	50,455	46,533
4G			52,699	193,755	213,477
GPRS/EDGE	...	...	2,396	1,762	920
Internet (ISP)	...	...	5,578	792	1,477
Leased Line	...	...	5,578	792	1,477
Revenue (Nu. in Million)	902.000	1,250.000	1,344.000	1,539.000	1,823.000

Notes: a. The figures for the domestic and international calls are counts not minutes of calls.

b. And the figures includes both prepaid and postpaid calls made.

c. EXDGE/GPRS, 3G/4G all are provided together while buying the sim. Your phone will have all this together and depending upon the area you are in, the connectiity will change accordingly.

d. Mobile subscribers includes all registered users till 2019 (Including both the active and passive users).

e. Revenue are from mobile & internet from 2016 onward.

Source: Tashi Infocomm Limited.

Table 8.5.1: Number of Postal Infrastructures, 2016 - 2020

Postal Infrastructure	2016	2017	2018	2019	2020
General Post Offices	4	4	4	4	4
Post Offices	37	38	39	38	38
Community Mail Offices	34	26	6	6	6
Fax Offices	41	41	43	43	43
Total	116	109	92	91	91

Note: Fax Offices are Post Offices having fascimile services, they are not different establishment.

Source: Bhutan Postal Corp. Ltd.

Table 8.5.2: Number of Consignments by Type of Article and Revenue Earned, 2016 - 2020

Type of Service	2016	2017	2018	2019	2020
Domestic Mail					
Ordinary mail	129,817	66,635	72,410	64,047	35,035
Registered	64,083	0	56,273	43,912	55,630
Parcel	210	0	21	64	25
Facsimile message	1,989	879	343	311	101
Newspapers	15,570	0	26,514	11,573	11,132
Local urgent mail (LUM)	152,391	24,004	122,156	103,699	78,344
Express mail service (EMS)	26,148	27,872	136,318	13,208	15,302
International Mail Dispatch					
Ordinary mail	18,190	5,450	19,731	28,372	8,784
Registered	6,033	5,750	4,693	4,318	1,260
Parcel	110	50	23	43	4
FedEx	394	322	2,176	251	30
TNT	0	0	140	53	43
Facsimile message	18	0	0	0	0
Post overnight courier (POC)	2,888	973	869	532	0
Door to door Courier (DTDC)	...	...	...	...	...
Express mail service (EMS)	4,748	7,005	9,415	10,709	5,939
International Mail Receipt					
Ordinary mail	246,640	0	85,302	30,083	6,096
Registered	38,628	75,428	25,104	32,266	16,065
Parcel	2,615	3,136	3,500	4,153	2,244
FedEx	3,588	1,890	8,298	2,434	1,267
TNT	0	0	409	333	122
Facsimile message	0	0	0	0	0
Post overnight courier (POC)	1,952	859	1,676	1,543	0
Door to door Courier (DTDC)	...	...	...	...	70
Express mail service (EMS)	8,078	7,278	7,592	7,815	3,961
All Mail Items	724,090	227,531	582,963	359,719	0
Revenue (Nu. in Million)	152.260	74.600	82.900	87.500	64.170

Note: Revenue earnings till 2016 was for the overall postal revenue which includes postal income, philately income, transport, real estate and investment, Western Union, other income and grants. From 2017, the revenue reflects only for the items specified in the table.

Source: Bhutan Postal Corp. Ltd.

Table 8.5.3: Financial Services, Number and Value of Money Order by Type, 2016 - 2020

Type	2016	2017	2018	2019	2020
Total Money Orders (Sent)					
Number of orders	14,619	13,525	5,532	2,046	2,114
Amount of orders (Nu. in million)	52.872	31.984	23.041	9.370	4.312
Domestic Money Order (Receipt)					
Number of orders	13,363	13,363	4,984	1,889	1,959
Amount of orders (Nu. in million)	39.784	30.657	16.792	7.345	2.164
International Money Order Dispatched					
Number of orders	1,256	161	548	157	155
Amount of orders (Nu. in million)	13.088	1.323	6.248	2.025	2.148
International Money Order (Receipts)					
Number of orders	0	1	0	0	0
Amount of orders (Nu. in million)	0	0.003	0	0	0
Others					
Number of pensioners	1,839	1,392	1,298	1,207	222
Amount of pensioners (Nu. in million)	57.171	59.017	57.409	41.900	0.680
WUMT Receipts					
Numbers	31,634	39,966	37,816	38,065	26,962
Amount (US \$ in Million)	14.279	17.391	14.570	14.210	815.785
WUMT Sent					
Numbers	973	170	129	6	1
Amount (US \$ in Million)	0.269	0.037	0.032	0.002	0.002

Note: WUMT refers to Western Union Money Transfer.

Source: Bhutan Postal Corp. Ltd.

Table 8.5.4: Number of Consignments by Courier Services, Type of Article and Revenue Earned, 2016 - 2020

Year	Courier Services	Inbound		Outbound		All Mail Items	Revenue (Nu. in Million)
		Documents (DOX)	World wide express (WPX)	Documents (DOX)	World wide express (WPX)		
2020	DHL Courier Service	7,305	4,041	3,054	709	15,109	2.500
	Drukbees Courier Service	NA	5,957	NA	NA	5,957	4.500
	Tamu worldwide shipping	0	0	0	0	0	0.000
2019	DHL Courier Service	6,201	3,810	3,010	677	13,698	22.000
	Drukbees Courier Service	NA	15,193	NA	NA	15,193	14.100
	Tamu worldwide shipping	7	19	15	29	70	0.423
2018	DHL Courier Service	6,120	3,213	2,980	591	12,904	20.400
	Drukbees Courier Service	NA	10,839	NA	NA	10,839	19.100
	Tamu worldwide shipping	15	42	18	62	137	0.892
2017	DHL Courier Service	5,820	2,510	2,725	498	11,553	19.800
	Drukbees Courier Service	NA	NA	NA	NA	NA	NA
	Tamu worldwide shipping	60	95	30	172	357	1.925
2016	DHL Courier Service	5,200	2,100	2,550	432	10,282	19.100
	Drukbees Courier Service	NA	NA	NA	NA	NA	NA
	Tamu worldwide shipping	70	130	55	95	350	1.913

Notes: a. Drukbees courier services was started from 2018 and deals only with inbound services of WPX.

b. In 2020, Tamu worldwide shipping couldn't provide services due to Pandemic, the Bhutan border was sealed.

Source: DHL Courier Service, Drukbees Courier Service, Tamu worldwide shipping, Thimphu.

Table 8.5.5: Number of Import by Mode of Transport and Booking Type, Tamu Worldwide Shipping, 2020

Inco-term	Sea cargo		Air Cargo	Road cargo	
	Full Cargo Loaded (FCL)	Lose Cargo Loaded (LCL)		Full Truck Load	Part Load
Ex-work	0	25	0	0	0
Freight On Board (FoB)	0	108	0	0	26
Cost Insurance Freight (CIF)	59	0	48	6	0
Total	59	133	48	6	26
Revenue (Nu. in million)	8.676				

Source: Tamu Worldwide Shipping, Thimphu.

Table 8.5.6: Number of Export by Mode of Transport and Booking Type, Tamu Worldwide Shipping, 2020

Inco-term	Sea Cargo		Air Cargo	Road Cargo	
	Full Cargo Loaded (FCL)	Lose Cargo Loaded (LCL)		Full Truck Load	Part Load
Cost Insurance Freight (CIF)	0	0	0	0	0
Delivery Duty Unpaid (DDU)	0	0	0	0	0
Delivery Duty Paid (DDP)	1	0	0	0	0
Total	1	0	0	0	0
Revenue (Nu. in million)	0.065				

Source: Tamu Worldwide Shipping, Thimphu

Bhutan has an estimated hydropower potential of 36,900 MW with the potential of generating 154,000 gigawatt hours (GWh) of energy. At present, a total of six major hydropower plants are in operation. Four other hydropower plants are in various stages of construction and upon commissioning of these hydropower plants, an additional 2,938 MW of installed capacity would be achieved.

More than 99.97 percent of households have access to electricity and over 95 percent of households in the country use electricity as the main source of energy for lighting and cooking (BLSS, 2017). Bhutan's total installed capacity is approximately 2.3 gigawatts (GW) out of which 99 percent of the country's installed capacity comes from hydropower plants and it accounts for 2,334 MW of the total installed capacity of 2,343 MW as of 2020.

Bhutan exports its surplus electricity to India and this has led to the high economic growth rates in the recent years. The economy of the country is largely driven by hydropower generation. Hydropower plants contribute significantly to the Gross Domestic Product (GDP), both during construction and operation phases. In 2020, the sector has contributed 17.74 % to the GDP.

This chapter contains information on hydropower plant's installed capacity, electricity generation, plant capacity factor, details of transmission lines, category wise domestic consumption and royalty & subsidy.

Table 9.1: Details of Domestic Electrical Energy Consumption, 2016 - 2020

Details	Units	2016	2017	2018	2019	2020
Towns electrified	Numbers	55	51	52	46	48
Villages electrified	Numbers	3,786	3,909	4,065	4,006	4,510
Total Consumers	Number ('000)	176.40	185.13	192.87	202.43	213.64
Energy supply	MU	2,054.46	2,243.71	2,397.16	2,345.13	2,028.36
Energy Sales	MU	2,008.91	2,185.75	2,328.44	,279.74	1,960.66
Revenue from Sales of energy	Nu. in million	4,771.647	4,913.930	7,055.270	5,203.050	4,594.352
Population	Numbers	768,577	727,145	734,374	741,672	748,931
Per capita energy consumption	kWh	2,673.07	3,085.65	3,264.22	3,161.94	2,708.34

Note: Number of towns have been modified by BPC.

Details of towns and villages can be found in the power Infrastructure sheet on page 31.

Source: Power System Information Report 2020, DHPS, MoEA.

Table 9.2: Consumption of Electricity by Type and Number of Consumer, 2020

Type of Consumer	Energy Sales (MU)	% of Total Sales	Consumers
Rural Residential	140.45	7.16	117,633
Rural Cooperatives	0.38	0.02	533
Rural Micro Trade	2.54	0.13	1,443
Rural Community Lhakhangs	2.44	0.12	1,506
High Land Consumers	1.23	0.06	2,191
Urban	155.93	7.95	56,349
Religious Institutions	5.02	0.26	643
Cottage and Small Industries	6.57	0.34	1,657
Commercial	58.95	3.01	14,724
Industrial	8.09	0.41	289
Agriculture	2.26	0.12	2,453
Institutions	66.27	3.38	8,546
Street Lighting	5.01	0.26	696
Power House Auxiliaries	1.37	0.07	48
Temporary Connections	21.88	1.12	4,026
Total LV Bulk Consumption	71.32	3.64	812
Total MV Consumption	81.49	4.16	72
Total HV Consumption	1,329.45	67.81	16
Gross Consumption (MU)	1,960.66	100.00	213,637

Source: Power System Information Report 2020, DHPS, MoEA.

Table 9.3: Total Electricity Generation and Supply by Hydro Power Plant, 2016 - 2020

Details	2016	2017	2018	2019	2020
Electricity Generation (MU)	7,959.6	7,722.4	6,959.8	8,645.94	11,370.84
Chhukha hydro power Plant	1,929.7	1,883.2	1,704.0	1,687.7	1,837.2
Kurichu hydro power Plant	390.7	389.6	380.0	395.5	391.6
Basochu hydro power Plant	328.7	330.6	305.6	306.5	348.6
Tala hydro power Plant	4,924.5	4,646.1	4,185.0	4,535.7	5,031.9
Dagachhu hydro power Plant	374.2	460.4	366.0	400.3	518.3
Mangdechhu hydro power Plant	...	...	...	1,320.3	3,218.4
Other hydro power Plants	11.0	11.2	18.1	0.0	23.8
All diesel generators	0.0	0.3	0.0	0.0	0.0
Wind Energy (MU)	0.70	1.11	1.13	0.00	1.11
Total Exports (MU)	5,763.13	5,700.99	4,580.86	6,146.60	9,259.65
Total Imports (MU)	86.62	91.92	133.98	96.37	81.83
Import by Gencos	84.16	91.72	133.66	96.32	81.83
Import from WBSEB - BPC	2.34	0.08	0.26	0.00	0.00
Import from ASEB - BPC	0.12	0.12	0.06	0.05	0.00
Total Energy Supply (MU)	2,054.46	2,243.71	2,397.16	2,345.13	2,028.36
Total Energy Sales (MU)	2,008.91	2,185.75	2,328.44	2,279.74	1,960.66
Energy Losses (MU)	45.55	57.96	68.71	65.39	67.70
Percentage Losses	2.22	2.58	2.87	2.79	3.34
Annual Peak Load (MW)	335.87	362.09	399.35	387.66	369.45
Length of HT Lines (33/11 KV) (km)					
Overhead lines	6,286.09	6,310.91	6,554.40	6,400.12	6,248.50
Underground lines	114.95	158.93	119.40	126.94	290.64
Overhead ABC Conductor	129.04	132.57	142.23	180.09	179.61
Length of LT Lines (km)					
Overhead lines	1,741.53	1,741.53	1,576.69	1,578.56	1,729.90
Underground lines	396.66	321.67	320.00	404.11	382.96
Overhead ABC Conductor	6,361.73	6,892.84	9,037.85	9,069.79	7,411.64

Note: Basochhu I and Basochhu II is clubbed together since both of them are under the same plant management and are counted as one plant.

Source: Power System Information Report 2020, DHPS, MoEA.

Table 9.4: Annual Energy Generation and Installed Capacities by Hydro Power Plant, 2020

Generating Stations	Year of Commissioning	Installed Capacity & Unit (No. x MW)	Installed Capacity (MW)	Peak Generation (MW)	Energy Generation (MU)	Plant Capacity Factor (Percent)
Large Hydroelectric plants						
Chhukha Hydro power Plant	1986-88	4X84.0	336	368.58	1837.19	62.42
Kurichhu Hydro power Plant	2001	4X15.0	60	66.00	391.59	74.50
Basochhu Hydro power Plant	2002 - 04	2X12.0+2X20	64	67.15	348.56	62.17
Tala Hydro power Plant	2006-07	6X170.0	1020	1122.00	5031.89	56.32
Dagachhu Hydro power Plant	2015	2X63.0	126	126.00	518.27	46.96
Mangdechhu Hydro power Plant	2019	4X180	720	792.00	3218.39	51.03
Total			2326		11345.89	
Mini and Micro Hydels		(No. x kW)	(KW)	(MW)	(MU)	
Jushina, Thimphu	1967	4x90	360	1.67	1.38	43.75
Hesothangkha,Wangdue	1972	3x100	300	0.09	0.45	17.21
Chenari, Tashigang	1972	3x250	750	0.00	0.00	0.00
Gidakom, Thimphu	1973	5x250	1250	0.03	4.11	37.55
Khalanzi, Mongar	1976	3x130	390	0.34	1.52	44.47
Chumey, Bumthang	1988	3x500	1500	1.67	5.11	38.88
Gangzur, Lhuentse	2000	2x60	120	0.06	0.13	12.11
Rukubji, Wangdue	1986-87	1x40	40	0.00	0.00	0.00
Tangsibji, Trongsa	1986-87	1x30	30	0.00	0.01	2.37
Sherabling,Trongsa	1986-87	1x50	50	0.00	0.09	19.86
Bubja, Trongsa	1986-87	1x30	30	0.00	0.00	0.00
Tamzhang, Bumthang	1986-87	1x30	30	0.00	0.00	0.00
Ura, Bumthang	1986-87	1x50	50	0.03	0.05	11.95
Changchey,Tsirang	1991	2x100	200	0.08	0.43	24.31

cont...

Table 9.4 cont...

Generating Stations	Year of Commissioning	Installed Capacity & Unit (No. x MW)		Installed Capacity (MW)	Peak Generation (MW)	Energy Generation (MU)	Plant Capacity Factor (Percent)
Tingtibi, Zhemgang	1992	2x100		200	0.15	0.54	30.73
Darachhu, Dagana	1992	2x100		200	0.13	0.36	20.80
Lingzhi, Thimphu	1999	1x8		8	0.00	0.00	0.00
Rangjung, Tashigang	1996	2x1100		2200	1.66	9.41	48.83
Rongchu, Lhuentse	2001	2x100		200	0.42	0.71	40.31
Chendejji, Trongsa	2005	1x70		70	0.00	0.04	6.88
Sengor, Monggar	2007	1x100		100	0.04	0.04	4.54
Total				8078		24.37	

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: Power System Information Report 2020, DHPS, MoEA.

Table 9.5: Major Transmission Lines, 2020

Line Name	No. of Towers	400kV line length (KM)	220kV Line length (KM)			
		D/C	S/C	D/C	S/C	
400kV Tala-Siliguri line-1 & 2	104.00	24.62	NA	NA	NA	
400kV Tala-Malbase-Siliguri line 4	48.00	49.53	NA	NA	NA	
400kV Puna-1-Alipurduar line-1 & 2	229.00	93.38	NA	NA	NA	
400kV Puna-1-Puna-2 line-1 & 2	34.00	13.02	NA	NA	NA	
400kV Puna-2-Alipurduar line-1 & 2	212.00	80.87	NA	NA	NA	
400kV Puna-2-Jigmeling line-1 & 2	147.00	64.98	NA	NA	NA	
400kV Mangdechhu-Jigmeling line-1 & 2	185.00	85.06	NA	NA	NA	
400kV Mangdechhu-Jigmeling line-3 & 4	185.00	84.65	NA	NA	NA	
400kV Jigmeling-Alipurduar line-1 & 2	12.00	4.75	NA	NA	NA	
220kV Chukha-Birpara line-1 & 2	97.00	NA	NA	35.78	NA	
220kV Chukha-Malbase line	95.00	NA	29.84	N/A	NA	
220kV Malbase-Singhigaon line	12.00	NA	2.61	N/A	NA	
220kV Chhukha-Semtokha line	144.00	NA	54.01	N/A	NA	
220kV Rurichhu-Semtokha line	110.00	NA	44.90	N/A	NA	
220kV Rurichhu-Tsirang line	114.00	NA	46.60	N/A	NA	
220kV Malbase-Birpara line	6.00	NA	4.08	N/A	NA	
220kV Malbase - Singhigaon-Fdr-II	12.00	NA	NA		NA	
220kV Malbase-Samtse line	106.00	NA	NA	41.64	NA	
220kV Tsirang-Jigmeling line	69.00	NA	NA	30.57	NA	
220kV Dagachhu-Tsirang line	56.00	NA	NA	20.20	NA	
220kV Rurichhu-PHPA-1 LILO	3.00	NA	NA	0.50	NA	
220kV Jigmeling-Pelrithang (Lodrai)	28.00	NA	NA	10.42	NA	
220kV Tshendagang-Dagapela LILO	20.00	NA	NA	4.40	NA	
132kV Kurichhu-Kilikhar line	28.00	NA	NA	NA	10.06	
132kV Kilikhar-Kanglung line	81.00	NA	NA	NA	29.71	
132kV Kilikhar-Tangmachhu line	114.00	NA	NA	NA	42.80	
132kV Kurichhu-Nangkhon line	95.00	NA	NA	NA	31.08	
132kV Nangkhon-Deothang line	60.00	NA	NA	NA	23.30	
132kV Nangkhon-Nganglam line	102.00	NA	NA	NA	33.79	
132kV Nganglam-Tintibi line	246.00	NA	NA	NA	83.30	
132kV Gelephu-Pelrithang (Lodrai)	20.00	NA	NA	NA	10.78	
132kV Pelrithang - Tintibi	122.00	NA	NA	NA	34.96	

132kV line length (KM)	66kV line length (KM)					Conductor type	Year of Commissioning
	D/C	S/C	D/C	Q/C	UG		
NA	NA	NA	NA	NA	NA	Twin Moose ACSR	2006
NA	NA	NA	NA	NA	NA	Twin Moose ACSR	2006
NA	NA	NA	NA	NA	NA	Twin Moose ACSR	2019
NA	NA	NA	NA	NA	NA	Twin Moose ACSR	2019
NA	NA	NA	NA	NA	NA	Twin Moose ACSR	2019
NA	NA	NA	NA	NA	NA	Twin Moose ACSR	2019
NA	NA	NA	NA	NA	NA	Twin Moose ACSR	2019
NA	NA	NA	NA	NA	NA	Twin Moose ACSR	2019
NA	NA	NA	NA	NA	NA	Quad Moose ACSR	2019
NA	NA	NA	NA	NA	NA	Zebra ACSR	1986
NA	NA	NA	NA	NA	NA	Zebra ACSR	1989
NA	NA	NA	NA	NA	NA	Zebra ACSR	2006
NA	NA	NA	NA	NA	NA	Zebra ACSR	1989
NA	NA	NA	NA	NA	NA	Zebra ACSR	2004
NA	NA	NA	NA	NA	NA	Zebra ACSR	2008
NA	NA	NA	NA	NA	NA	Zebra ACSR	1989
NA	NA	NA	NA	NA	NA	Zebra ACSR	2006
NA	NA	NA	NA	NA	NA	Zebra ACSR	2014
NA	NA	NA	NA	NA	NA	Zebra ACSR	2013
NA	NA	NA	NA	NA	NA	Zebra ACSR	2013
NA	NA	NA	NA	NA	NA	Zebra ACSR	
NA	NA	NA	NA	NA	NA	Zebra ACSR	2013
NA	NA	NA	NA	NA	NA	Zebra ACSR	2013
NA	NA	NA	NA	NA	NA	Panther ACSR	2001
NA	NA	NA	NA	NA	NA	Panther ACSR	2002
NA	NA	NA	NA	NA	NA	Panther ACSR	2005
NA	NA	NA	NA	NA	NA	Panther ACSR	2001
NA	NA	NA	NA	NA	NA	Panther ACSR	2001
NA	NA	NA	NA	NA	NA	Panther ACSR	2002
NA	NA	NA	NA	NA	NA	Panther ACSR	2002
NA	NA	NA	NA	NA	NA	Panther ACSR	2002
NA	NA	NA	NA	NA	NA	Panther ACSR	2002

cont...

Table 9.5 cont...

Line Name	No. of Towers	400kV line length (KM)	220kV Line length (KM)			
		D/C	S/C	D/C	S/C	
132kV Gelephu-Salakati line	1.00	NA	NA	NA	0.10	
132kV Deothang-Motanga line	32.00	NA	NA	NA	10.45	
132kV Motanga-Rangia line		NA	NA	NA	1.89	
132kV Tintibi-Yurmoo line	83.00	NA	NA	NA	32.63	
132kV Motanga-Phuntshothang	61.00	NA	NA	NA	NA	
132kV Motanga-DML line	4.00	NA	NA	NA	0.49	
132kV Merung-Corlung LILO	50.00	NA	NA	NA	NA	
132kV Kanglung-Phuntshothang line	111.00	NA	NA	NA	NA	
132kV Nganglam-Motanga line	94.00	NA	NA	NA	NA	
132kV Mangdechhu-Yurmoo line	7.00	NA	NA	NA	NA	
66kV Chhukha-Chumdo line	200.00	NA	NA	NA	NA	
66kV Chumdo-Khasadraphu		NA	NA	NA	NA	
66kV Khasadrapchu-Olakha		NA	NA	NA	NA	
66kV Khasadrapchu-Jemina	23.00	NA	NA	NA	NA	
66kV Chumdo-Paro line	84.00	NA	NA	NA	NA	
66kV Chumdo-Haa line	123.00	NA	NA	NA	NA	
66kV Watsa tie line	4.00	NA	NA	NA	NA	
66kV Olakha-Semtokha line	7.00	NA	NA	NA	NA	
66kV Semtokha-Lobeysa line	81.00	NA	NA	NA	NA	
66kV Rurichhu-Lobeysa line	76.00	NA	NA	NA	NA	
66kV Hebesa-Rurichhu line	14.00	NA	NA	NA	NA	
66kV Semtokha-Dechenchholing line	44.00	NA	NA	NA	NA	
66kV Chukha-Gedu line	74.00	NA	NA	NA	NA	
66kV Gedu-Phuentsholing line	67.00	NA	NA	NA	NA	
66kV Phuentsholing-Gomtu line	95.00	NA	NA	NA	NA	
66kV Malbase-Phuentsholing line	23.00	NA	NA	NA	NA	
66kV Malbase-Pasakha multicircuit line	17.00	NA	NA	NA	NA	
66kV Samtse-Sibsoo line	95.00	NA	NA	NA	NA	
66kV Samtse-Gomtu line	51.00	NA	NA	NA	NA	
66kV Yurmoo-Trongsa line	73.00	NA	NA	NA	NA	
66kV Yurmoo-Bumthang line	134.00	NA	NA	NA	NA	

132kV line length (KM)	66kV line length (KM)					Conductor type	Year of Commissioning
	D/C	S/C	D/C	Q/C	UG		
NA	NA	NA	NA	NA	NA	Panther ACSR	1988
NA	NA	NA	NA	NA	NA	Panther ACSR	2007
NA	NA	NA	NA	NA	NA	Panther ACSR	2008
NA	NA	NA	NA	NA	NA	Panther ACSR	2008
21.63	NA	NA	NA	NA	NA	Panther ACSR	2017
NA	NA	NA	NA	NA	NA	Panther ACSR	2019
18.68	NA	NA	NA	NA	NA	Panther ACSR	2019
51.44	NA	NA	NA	NA	NA	Panther ACSR	2019
34.92	NA	NA	NA	NA	NA	Panther ACSR	2019
1.86	NA	NA	NA	NA	NA	Panther ACSR	2019
NA	36.98	NA	NA	NA	NA	Dog ACSR	1983
NA	4.78	NA	NA	NA	NA	Dog ACSR	2005
NA	11.74	NA	NA	NA	NA	Dog ACSR	2005
NA	NA	5.96	NA	NA	NA	Dog ACSR	2005
NA	24.01	NA	NA	NA	NA	Dog ACSR	1987
NA	33.40	NA	NA	NA	NA	Dog ACSR	1987
NA	0.50	NA	NA	NA	NA	Dog ACSR	1987
NA	1.70	NA	NA	NA	NA	Dog ACSR	1995
NA	24.43	NA	NA	NA	NA	Dog ACSR	1986
NA	20.30	NA	NA	NA	NA	Dog ACSR	1995
NA	3.08	NA	NA	NA	NA	Dog ACSR	1995
NA	11.45	NA	NA	NA	NA	Dog ACSR	2005
NA	20.40	NA	NA	NA	NA	Dog ACSR	1989
NA	16.70	NA	NA	NA	NA	Dog ACSR	1983
NA	26.90	NA	NA	NA	NA	Dog ACSR	1986
NA	8.69	NA	NA	NA	NA	Dog ACSR	2008
NA	NA	NA	3.41	NA	NA	Dog ACSR	2008
NA	NA	26.96	NA	NA	NA	Wolf ACSR	2013
NA	NA	14.85	NA	NA	NA	Wolf ACSR	2013
NA	20.94	NA	NA	NA	NA	Wolf ACSR	2008
NA	34.86	NA	NA	NA	NA	Wolf ACSR	2008

cont...

Table 9.5 cont...

Line Name	No. of Towers	400kV line length (KM)	220kV Line length (KM)			
		D/C	S/C	D/C	S/C	
66kV Khasadrapchu - Olakha	NA	NA	NA	NA	NA	
66kV Pasakha Industrial Area	NA	NA	NA	NA	NA	
66kV Jizikha-Pangbesa LILO	9.00	NA	NA	NA	NA	
66kV Jemina-Changedaphu LILO	35.00	NA	NA	NA	NA	
66kV Dechenchholing-Gasa (Damji) line	201.00	NA	NA	NA	NA	
Total	4,869.00	500.85	182.03	143.51	345.33	

Note: D/C means Double circuit, S/C means Single circuit, Q/C means Quad circuit, ACSR means Aluminium-conductor steel-reinforced and LILO means Line-in-Line-out.

Source: Power System Information Report 2020, DHPS, MoEA.

Table 9.6: Monthly Revenue From Sale of Energy From Chhukha Power Plant, 2016 - 2020

Month	2016			2017				
	Export	Domestic	Total	Export	Domestic	Total	Export	
January	83.965	47.188	131.153	120.541	100.034	220.575	31.759	
February	42.015	43.302	85.317	52.390	78.434	130.824	0.000	
March	72.870	41.399	114.269	109.917	96.111	206.028	0.000	
April	216.363	38.729	255.091	339.886	67.567	407.453	59.434	
May	234.599	39.989	274.589	321.099	60.403	381.502	313.917	
June	435.613	31.402	467.015	468.272	56.400	524.672	456.012	
July	686.967	52.210	739.177	813.819	67.310	881.129	796.415	
August	687.527	52.210	739.737	790.175	71.246	861.421	801.807	
September	677.922	46.607	724.529	707.618	68.693	776.311	694.072	
October	802.268	49.565	851.832	588.178	70.246	658.424	356.914	
November	415.220	69.276	484.497	255.982	88.058	344.040	139.108	
December	208.314	62.415	270.728	113.437	108.363	221.800	38.327	
Total	4,563.643	574.290	5,137.933	4,681.314	932.865	5,614.179	3,687.767	

Source: Power System Information Report 2020, DHPS, MoEA.

132kV line length (KM)	66kV line length (KM)					Conductor type	Year of Commissioning
	D/C	S/C	D/C	Q/C	UG		
NA	NA	NA	NA	NA	1.00	UG	2013
NA	NA	NA	NA	NA	5.02	UG	2009
NA	NA	NA	1.95	NA	NA	Wolf ACSR	2018
NA	NA	10.20	NA	NA	NA	Wolf ACSR	2019
NA	43.98	NA	NA	NA	NA	Wolf ACSR	2019
128.53	344.84	59.92	3.41	6.02			

(Nu. in Million)

2018		2019			2020		
Domestic	Total	Export	Domestic	Total	Export	Domestic	Total
104.359	136.118	6.670	94.580	101.240	34.520	92.950	127.470
90.794	90.794	16.910	78.340	95.250	0.000	84.620	84.620
94.343	94.343	78.430	84.570	163.000	5.430	85.190	90.620
74.175	133.609	336.980	67.140	404.110	207.420	58.830	266.250
58.551	372.468	353.700	60.320	414.020	500.430	51.460	551.890
55.957	511.969	317.760	55.310	373.080	739.310	45.970	785.280
63.077	859.493	734.210	60.610	794.820	835.410	52.000	887.410
66.155	867.962	758.090	58.150	816.240	840.830	48.280	889.110
62.165	756.236	704.650	60.570	765.210	809.920	48.960	858.880
70.740	427.654	603.140	62.120	665.260	705.120	51.360	756.480
91.190	230.298	225.030	79.100	304.130	331.590	73.760	405.350
99.500	137.827	96.090	92.600	188.690	96.090	94.480	190.570
931.006	4,618.772	4,231.660	853.410	5,085.050	5,106.070	787.860	5,893.930

Table 9.7: Monthly Revenue From Sale of Energy From Tala Power Plant, 2016 - 2020

Month	2016			2017				
	Export	Domestic	Total	Export	Domestic	Total	Export	
January	9.442	121.499	130.941	45.199	180.886	226.085	4.023	
February	0.000	123.036	123.036	13.173	170.104	183.277	0.000	
March	14.396	117.292	131.688	58.905	190.770	249.675	6.302	
April	89.154	100.463	189.617	137.010	181.228	318.238	0.000	
May	273.784	100.368	374.152	364.429	200.771	565.200	343.612	
June	651.315	55.242	706.557	646.235	193.494	839.729	618.366	
July	1,267.544	0.000	1,267.544	1,402.395	252.667	1,655.062	1,380.342	
August	1,304.073	0.000	1,304.073	1,409.258	249.742	1,659.000	1,379.606	
September	1,281.657	0.000	1,281.657	1,206.109	202.112	1,408.221	1,161.336	
October	1,031.878	9.702	1,041.579	670.123	227.342	897.465	384.362	
November	377.403	67.265	444.668	211.111	216.609	427.720	114.357	
December	163.565	91.323	254.888	75.374	216.211	291.585	3.482	
Total	6,464.210	786.189	7,250.400	6,239.321	2,481.936	8,721.257	5,395.787	

Source: Power System Information Report 2020, DHPS, MoEA.

Table 9.8: Monthly Revenue From Sale of Energy From Kurichu Power Plant, 2016 - 2020

Month	2016			2017				
	Export	Domestic	Total	Export	Domestic	Total	Export	
January	48.888	0.000	48.888	0.000	23.268	23.268	0.000	
February	43.663	0.000	43.663	0.000	19.130	19.130	0.000	
March	48.088	0.000	48.088	0.000	27.231	27.231	0.000	
April	18.807	0.000	18.807	0.000	43.259	43.259	0.000	
May	10.340	6.787	17.128	19.699	46.336	66.035	10.975	
June	0.000	26.546	26.546	28.247	49.075	77.322	27.006	
July	0.000	30.526	30.526	26.585	54.702	81.287	35.632	
August	0.000	33.549	33.549	35.181	49.005	84.186	24.958	
September	0.000	27.542	27.542	33.038	49.767	82.805	30.932	
October	0.000	26.633	26.633	30.456	48.229	78.685	8.712	
November	0.000	0.000	0.000	0.000	40.787	40.787	0.000	
December	19.868	0.000	19.868	0.000	30.511	30.511	0.000	
Total	2,185.786	151.583	341.237	173.206	481.300	654.506	138.215	

Source: Power System Information Report 2020, DHPS, MoEA.

(Nu. in Million)

2018		2019			2020		
Domestic	Total	Export	Domestic	Total	Export	Domestic	Total
208.929	212.952	-29.482	204.540	175.060	0.000	157.250	157.250
162.470	162.470	-16.719	178.720	162.000	0.000	145.740	145.740
185.210	191.512	20.760	214.780	235.540	0.000	169.290	169.290
230.481	230.481	145.530	313.650	459.180	87.210	141.110	228.320
205.619	549.231	416.290	217.100	633.390	585.580	149.480	735.060
183.444	801.811	420.870	185.940	606.810	1,033.040	140.500	1,173.540
247.046	1,627.387	1,252.950	235.480	1,488.430	1,431.290	139.770	1,571.060
271.485	1,651.091	1,292.650	298.880	1,591.540	1,441.540	133.430	1,574.970
208.128	1,369.464	1,227.020	317.220	1,544.240	1,397.800	116.910	1,514.710
205.439	589.801	710.260	265.840	976.100	806.640	121.980	928.620
203.831	318.188	215.200	204.910	420.100	293.320	110.120	403.440
222.716	226.198	35.490	229.890	265.370	107.550	138.470	246.020
2,534.798	7,930.586	5,690.819	2,866.950	8,557.760	7,183.970	1,664.050	8,848.020

(Nu.in Million)

2018		2019			2020		
Domestic	Total	Export	Domestic	Total	Export	Domestic	Total
23.778	23.778	0.000	21.408	21.408	0.000	39.340	39.340
19.986	19.986	0.000	18.593	18.593	0.000	17.970	17.970
27.120	27.120	0.000	26.426	26.426	0.000	41.500	41.500
37.292	37.292	0.000	47.327	47.327	0.000	38.050	38.050
55.143	66.118	19.029	57.593	76.622	28.590	42.500	71.090
51.902	78.908	28.665	49.713	78.379	37.090	38.140	75.230
49.828	85.460	33.734	48.891	82.625	35.630	44.600	80.230
54.528	79.487	30.639	54.327	84.966	29.970	46.510	76.480
50.378	81.309	32.608	49.618	82.227	36.730	42.220	78.950
57.550	66.263	22.773	48.406	71.179	29.990	42.090	72.080
37.917	37.917	0.000	35.876	35.876	0.000	35.470	35.470
27.457	27.457	0.000	25.770	25.770	0.000	32.620	32.620
492.881	631.097	167.449	483.947	651.397	198.000	461.010	659.010

Table 9.9: Monthly Revenue From Sale of Energy From Dagachu Power Plant, 2016 - 2020

Month	2016			2017			Export	
	Export	Domestic	Total	Export	Domestic	Total		
January	0.000	0.000	0.00	52.008	0.000	52.008	41.131	
February	0.000	0.000	0.00	36.968	0.000	36.968	31.019	
March	10.653	0.000	10.653	42.185	0.000	42.185	38.328	
April	37.818	0.000	37.818	51.351	0.000	51.351	18.124	
May	39.136	0.000	39.136	56.859	0.000	56.859	58.921	
June	92.073	0.000	92.073	124.895	0.000	124.895	132.812	
July	250.475	0.000	250.475	212.712	0.000	212.712	217.475	
August	246.516	0.000	246.516	233.124	0.000	233.124	262.999	
September	195.372	0.000	195.372	211.609	0.000	211.609	207.164	
October	132.686	0.000	132.686	150.721	0.000	150.721	96.097	
November	112.860	0.000	112.860	76.254	0.000	76.254	59.290	
December	71.828	0.000	71.828	54.242	0.000	54.242	47.392	
Total	3,205.418	0.000	1,189.418	1,302.928	0.000	1,302.928	1,210.754	

Source: Power System Information Report 2020, DHPS, MoEA.

Table 9.10: Monthly Revenue From Sale of Energy From Mangdechhu Power Plant, 2019 - 2020

(Nu. in Million)

Month	2019			2020		
	Export	Domestic	Total	Export	Domestic	Total
January	...	...	...	315.800	0.000	315.800
February	...	...	...	146.000	0.000	146.000
March	...	...	...	337.190	0.000	337.190
April	...	...	...	567.320	0.000	567.320
May	...	...	...	1,288.180	0.000	1,288.180
June	93.260	0.00	93.260	1,788.440	0.000	1,788.440
July	785.399	0.00	785.399	2,186.160	0.000	2,186.160
August	1,133.870	0.00	1,133.870	2,219.100	0.000	2,219.100
September	1,389.527	0.00	1,389.527	1,939.430	0.000	1,939.430
October	1,044.863	0.00	1,044.863	1,159.130	0.000	1,159.130
November	504.673	0.00	504.673	582.720	0.000	582.720
December	393.642	0.00	393.642	419.630	0.000	419.630
Total	5,345.234	0.00	5,345.234	12,949.100	0.000	12,949.100

Note: Mangdechhu powerplant was commissioned from June 2019.

Source: Power System Information Report 2020, DHPS, MoEA.

(Nu. in Million)

2018		2019			2020		
Domestic	Total	Export	Domestic	Total	Export	Domestic	Total
0.000	41.131	38.453	0.000	38.453	48.710	0.000	48.710
0.000	31.019	32.281	0.000	32.281	39.190	0.000	39.190
0.000	38.328	38.415	0.000	38.415	42.480	0.000	42.480
0.000	18.124	49.252	0.000	49.252	41.420	0.000	41.420
0.000	58.921	61.613	0.000	61.613	106.610	0.000	106.610
0.000	132.812	87.816	0.000	87.816	193.280	0.000	193.280
0.000	217.475	229.431	0.000	229.431	284.960	0.000	284.960
0.000	262.999	247.225	0.000	247.225	285.830	0.000	285.830
0.000	207.164	253.918	0.000	253.918	257.300	0.000	257.300
0.000	96.097	177.718	0.000	177.718	196.090	0.000	196.090
0.000	59.290	85.403	0.000	85.403	99.740	0.000	99.740
0.000	47.392	59.020	0.000	59.020	70.880	0.000	70.880
0.000	1,210.754	1,360.545	0.000	1,360.545	1,666.490	0.000	1,666.490

Table 9.11: Annual Total Energy Subsidy and Royalty, 2017 - 2020

Subsidy/Royalty	Units	2017	2018	2019	2020
Total Subsidy Energy*	MU	559.17	632.41	674.12	631.21
Total Subsidy Amount*	Nu.in Million	1636.946	1790.330	1765.998	1409.047
Royalty Energy	MU	1051.38	836.34	1128.39	1575.73
Royalty Amount	Nu.in Million	2197.304	1886.574	2796.547	4162.184
Rural Subsidy Energy (free 100 unit)	MU	103.72	122.82	129.53	145.81
Rural Subsidy Amount	Nu.in Million	511.802	594.919	604.963	583.058
Highlander Subsidy Energy (free 200 units)	MU	0.00	0.00	0.26	1.23
Highlander Subsidy Amount	Nu.in Million	0.000	0.000	1.018	4.966

Note: * The Subsidy energy and the Subsidy amount is inclusive of the subsidy energy and amount for the Rural and Highlanders

Source: Power System Information Report 2020, DHPS, MoEA.

The tourism industry in Bhutan began in 1974. The government agency, erstwhile Bhutan Tourism Corporation, controlled tourism until its privatization in 1991. The revenue generation from the tourism sector has increased from over USD 2 million in the late 1980's to over USD 9.49 Million in 2020. The tourism industry in Bhutan enjoyed continued growth rate with the tourist arrivals in the country rising steadily during the 1990s through 2000. 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. 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 spring (March, April and May) and autumn (September, October and November).

This chapter presents key indicators/statistics on number of visitor arrivals, considered as an immediate tangible yardstick to measure the performance of the industry. The chapter also captures information on Foreign Exchange Earnings contributed by tourism industry to the economy.

CONCEPTS AND DEFINITIONS:

Average length of stay by tourist: Refers to average periods stayed in Bhutan. Measured in nights.

Table 10.1: Number of Annual International Tourist Arrivals by Country of Nationality and Region, 2016 - 2020

Country	2016	2017	2018	2019	2020
AFRICA	99	106	135	307	25
East Africa	34	22	16	110	5
Comoros	1	0	0	0	0
Burundi	0	0	0	1	0
Ethiopia	3	1	0	19	1
Kenya	12	9	12	22	0
Madagascar	0	0	0	1	0
Malawi	2	0	0	4	0
Mauritius	10	10	0	19	0
Mozambique	0	1	1	4	0
Rwanda	0	0	0	1	0
Seychelles	0	0	0	0	2
Tanzania	2	1	2	8	1
Uganda	2	0	0	20	0
Zimbabwe	2	0	1	11	1
Central Africa	0	1	1	20	1
Angola	0	0	0	3	0
Cameroon	0	0	0	10	1
Chad	0	1	1	5	0
Other countries of Central Africa	0	0	0	1	0
Congo	0	0	0	1	0
North Africa	4	2	6	17	0
Algeria	0	2	1	2	0
Morocco	4	0	5	5	0
Sudan	0	0	0	5	0
Tunisia	0	0	0	5	0
South Africa	58	75	99	120	15
Botswana	0	0	0	0	0
Lesotho	0	0	0	4	0
Namibia	5	1	1	2	1
South Africa	53	74	98	102	14
Swaziland	0	0	0	12	0
Other countries of Southern Africa	0	0	0	0	0
West Africa	3	6	13	40	4
Cote d'Ivoire	1	0	0	5	2

cont...

Table 10.1 cont...

Country	2016	2017	2018	2019	2020
Burkina Faso	0	0	0	5	0
Ghana	1	1	0	8	1
Guinea	0	0	0	0	0
Liberia	0	0	0	1	0
Mali	0	0	0	1	0
Mauritania	0	2	12	1	0
Niger	0	0	0	1	0
Nigeria	1	2	1	13	1
Senegal	0	1	0	2	0
Sierra Leone	0	0	0	2	0
Togo	0	0	0	1	0
Other countries of Western Africa	0	0	0	0	0
Other Africa	0	0	0	0	0
Other countries of Africa	0	0	0	0	0
AMERICAS	9,432	12,299	14,109	15,099	1,445
Caribbean	8	13	18	23	5
Antigua and Barbuda	0	1	1	0	0
Bahamas	1	2	1	0	0
Barbados	0	1	1	1	0
Cuba	0	1	0	1	1
Dominica	2	0	2	3	1
Dominican Republic	0	4	0	0	0
Grenada	0	0	0	3	1
Haiti	0	1	0	3	0
Jamaica	0	1	5	1	1
Saint Kitts and Nevis	3	2	5	4	0
Trinidad and Tobago	2	0	3	7	1
Central America	46	51	68	55	9
Belize	1	0	1		0
Costa Rica	35	26	45	26	0
El Salvador	2	2	6	5	0
Guatemala	7	15	9	16	9
Honduras	0	0	3	2	0
Nicaragua	0	0	0	2	0
Panama	1	8	4	4	0

cont...

Table 10.1 cont...

Country	2016	2017	2018	2019	2020
North America	8,707	11,109	12,774	13,952	1,292
Canada	1,109	1,524	1,807	1,870	135
Mexico	308	365	406	375	71
United States of America	7,290	9,220	10,561	11,707	1,086
South America	671	1,126	1,249	1,069	139
Argentina	162	175	205	124	24
Bolivia, Plurinational State of Bolivia	1	2	1	10	1
Brazil	321	680	810	681	96
Chile	73	102	130	103	10
Colombia	56	90	57	71	5
Ecuador	4	7	3	10	0
Falkland Islands (Malvinas)	0	0	0	0	1
Guyana	0	0	0	2	0
Paraguay	0	11	0	12	0
Peru	31	14	25	28	0
Surinam	0	0	0	3	0
Uruguay	7	20	10	10	1
Venezuela	16	25	8	15	1
EAST ASIA AND THE PACIFIC	30,288	33,257	29,713	33,290	2,783
North-East Asia	16,893	16,712	12,052	13,548	1,259
China	9,210	6,421	6,878	7,564	726
Japan	4,832	2,744	2,674	3,010	275
Korea, Republic of Korea	1,035	6,048	998	1,408	142
Mongolia	4	8	6	25	0
North Korea	0	0	0	2	0
Taiwan Province of China	1,812	1,491	1,496	1,539	116
South- East Asia	11,376	13,972	14,544	16,111	1,208
Brunei Darussalam	17	39	26	15	3
Cambodia	10	8	30	114	13
Indonesia	536	664	1,033	1,327	54
Lao People's Democratic Republic	12	18	2	56	2
Malaysia	1,959	2,956	3,140	2,761	245
Myanmar	20	96	5	216	23
Philippines	383	549	476	689	54
Singapore	3,011	4,129	3,886	4,744	256

cont...

Table 10.1 cont...

Country	2016	2017	2018	2019	2020
Thailand	4,175	4,047	3,886	4,086	275
Timor-Leste	0	0	0	31	3
Viet Nam	1,253	1,423	1,961	2,072	280
Other countries of South-East Asia	0	43	99	0	0
Australasia	2,017	2,571	3,114	3,599	316
Australia	1,818	2,249	2,739	3,153	289
New Zealand	199	322	375	446	27
Melanesia	2	2	3	32	0
Fiji	2	2	1	8	0
Palau	0	0	0	1	0
Papua New Guinea	0	0	2	10	0
Samoa	0	0	0	1	0
Solomon Islands	0	0	0	2	0
Vanuatu	0	0	0	10	0
EUROPE	14,361	16,169	18,824	21,308	1,942
Central/ Eastern Europe	1,188	1,406	1,891	1,995	146
Armenia	10	7	4	18	4
Azerbaijan	8	2	1	0	0
Belarus	4	8	6	15	3
Bulgaria	34	44	96	52	6
Czech Republic	195	145	285	279	6
Estonia	9	41	43	56	4
Georgia	5	2	3	5	0
Hungary	69	151	143	167	8
Kazakhstan	1	13	9	26	5
Kyrgyzstan	0	0	0	2	0
Latvia	44	35	34	53	2
Lithuania	14	50	79	58	0
Moldova, Republic of Moldova	0	3	2	7	1
North Macedonia	0	0	0	1	0
Poland	313	312	430	480	29
Romania	64	78	94	106	4
Russian Federation	242	390	482	503	51
Slovakia	86	45	83	81	2
Tajikistan	0	0	3	3	0

cont...

Table 10.1 cont...

Country	2016	2017	2018	2019	2020
Turkmenistan	2	2	0	1	0
Ukraine	88	78	93	81	21
Uzbekistan	0	0	1	1	0
Nothern Europe	4,114	4,241	4,737	5,885	621
Denmark	208	197	263	416	59
Finland	124	162	169	226	8
Iceland	30	19	32	22	0
Ireland	139	144	163	205	17
Norway	234	225	191	345	16
Sweden	253	248	334	430	36
United Kingdom	3,125	3,246	3,585	4,241	485
Other countries of Nothern Europe	1	0	0	0	0
Southern Europe	2,147	2,549	3,169	3,843	257
Albania	1	0	2	2	0
Andorra	7	0	4	4	0
Bosnia and Herzegovina	0	1	3	5	0
Croatia	13	16	24	49	0
Greece	55	94	121	112	6
Italy	1,022	978	1,229	1,469	128
Malta	5	11	22	35	18
Montenegro	0	0	3	2	0
Portugal	224	229	322	385	26
San Marino	0	0	0	6	0
Serbia	21	21	15	14	0
Slovenia	12	57	27	101	2
Spain	787	1,142	1,397	1,659	77
Western Europe	6,539	7,558	8,511	8,957	875
Austria	504	396	506	594	51
Belgium	460	506	557	579	98
France	1,501	1,545	1,773	1,953	155
Germany	2,301	2,970	3,422	3,375	405
Liechtenstein	1	5	7	5	0
Luxembourg	22	24	58	20	6
Monaco	4	3	2	3	2
Netherlands	641	757	807	981	73

cont...

Table 10.1 cont...

Country	2016	2017	2018	2019	2020
Switzerland	1,105	1,352	1,379	1,447	85
East Mediterranean Europe	371	415	516	628	43
Cyprus	7	6	4	10	3
Israel	167	283	356	509	33
Turkey	197	126	156	109	7
Other Europe	2	0	0		0
Other countries of Europe	2	0	0		0
MIDDLE EAST	79	70	138	306	25
Bahrain	3	7	3	9	1
Egypt				13	3
Iraq	0	0	0	5	0
Jordan	4	2	11	10	3
Kuwait	8	13	19	143	14
Lebanon	16	16	21	30	0
Oman	7	2	4	30	0
Qatar	1	1	5	9	2
Saudi Arabia	9	9	29	16	1
State of Palestine	1	0	0	0	0
Syrian Arab Republic	0	1	3	2	0
United Arab Emirates	25	19	29	36	0
Yemen	1	0	1	3	1
SOUTH ASIA	341	356	448	245,289	23,592
Afghanistan	1	0	1	49	7
Iran, Islamic Republic of Iran	13	18	5	13	0
Nepal	285	265	371	1,438	101
Pakistan	14	16	8	62	16
Sri Lanka	28	57	63	316	32
Bangladesh	...	...	...	13,016	1,127
India	...	...	...	230,381	22,298
Maldives	...	...	...	13	11
Other countries of South Asia	...	...	...	1	0
Total Arrivals	54,600	62,257	63,367	315,599	29,812

Note: 2015-2018 Includes only the leisure tourist from Minimum Daily Package Rate (MDPR) paying countries

Source: Tourism Council of Bhutan (Tashel system) and Department of Immigration

Table 10.2: Number of Tourist Arrivals by Regions and Foreign Exchange Earnings, 2016 - 2020

Region	2016	2017	2018	2019	2020
Africa	99	106	135	307	25
East Africa	34	22	16	110	5
Central Africa	0	1	1	20	1
North Africa	4	2	6	17	0
Southern Africa	58	75	99	120	15
West Africa	3	6	13	40	4
Americas	9,432	12,299	14,109	15,099	1,445
Caribbean	8	13	18	23	5
Central America	46	51	68	55	9
North America	8,707	11,109	12,774	13,952	1,292
South America	671	1,126	1,249	1,069	139
East Asia and Pacific	30,288	33,257	29,713	33,290	2,783
North-East Asia	16,893	6,421	12,052	13,548	1,259
South-East Asia	11,376	13,972	14,544	16,111	1,208
Australasia	2,017	2,571	3,114	3,599	316
Melanesia	2	2	3	32	0
Micronesia	0	0	0	0	0
Polynesia	0	0	0	0	0
Europe	14,361	16,169	18,824	21,308	1,942
Central/Eastern Europe	1,188	1,406	1,891	1,995	146
Northern Europe	4,114	4,241	4,737	5,885	621
Southern Europe	2,147	2,549	3,169	3,843	257
Western Europe	6,539	7,558	8,511	8,957	875
East Mediterranean Europe	371	415	516	628	43
Middle East	79	85	138	306	25
South Asia	341	356	448	245,289	23,592
All regions	54,600	62,272	63,367	315,599	29,812
Foreign Exchange Earnings					
Total (USD in Million)	73.740	79.810	85.410	88.630	9.490
Direct Revenue to Government (USD in Million)	20.280	22.360	22.630	23.420	2.760

Note: 2015-2018 Includes only the leisure tourist from Minimum Daily Package Rate (MDPR) paying countries.

Foreign Exchange Earnings includes only for tourist from MDPR paying countries

Source: Tourism Council of Bhutan (Tashel system) and Department of Immigration

Table 10.3: Number of Tourist Arrivals by Season and Month, 2016 - 2020

Season & Month	2016	2017	2018	2019	2020
Winter	37,097	46,751	49,722	61,771	25,714
December	20,484	23,587	26,667	33,154	32
January	7,793	12,224	11,121	14,397	13,942
February	8,820	10,940	11,934	14,220	11,740
Spring	65,277	87,324	88,109	102,230	4,041
March	17,480	20,872	22,185	24,507	3,947
April	17,527	27,115	26,176	30,605	71
May	30,270	39,337	39,748	47,118	23
Summer	44,143	53,158	51,706	56,080	21
June	20,225	27,263	25,239	30,297	10
July	11,974	13,133	12,274	13,291	10
August	11,944	12,762	14,193	12,492	1
Autumn	63,053	67,471	84,560	95,518	36
September	18,009	22,123	20,025	21,937	5
October	27,932	28,281	37,549	46,325	16
November	17,112	17,067	26,986	27,256	15

Source: Tourism Council of Bhutan (Tashel system) and Department of Immigration

Table 10.4: Percentage of Tourist Arrivals by Main Purpose of Visit, 2016 - 2020

Purpose	2016		2017		2018		2019		2020	
	Number	%	Number	%	Number	%	Number	%	Number	%
Holiday, Leisure and Recreation	176,654	84.29	218,547	85.80	240,671	87.81	281,546	89.21	25,909	86.91
Official	11,191	5.34	10,290	4.00	9,075	3.31	12,463	3.95	1,175	3.94
Business	6,315	3.01	6,620	2.60	6,106	2.23	4,890	1.55	952	3.19
Others	15,410	7.35	19,247	7.60	18,245	6.66	16,700	5.29	1,776	5.96

Source: Tourism Council of Bhutan (Tashel system) and Department of Immigration

Table 10.5: Percentage of Tourist Arrivals by Major Attraction to Bhutan, 2016 - 2020

Major Attraction	2019		2020	
	Number	%	Number	%
Cutural	64,539.0	85.98	5,718.0	90.10
Adventure	8,783.0	11.70	449.0	7.08
Spiritual and Wellness	650.0	0.87	37.0	0.58
Nature	1,092.0	1.45	142.0	2.24

Note: Includes Minimum Daily Package Rate (MDPR) paying leisure tourist only

Source: Tourism Council of Bhutan, Thimphu.

Table 10.6: Number of Tourist Arrivals by Dzongkhag, 2016 - 2020

Dzongkhag	2016	2017	2018	2019	2020
Bumthang	12,275	11,321	11,636	11,950	955
Chhukha	3,002	3,276	2,971	2,490	320
Dagana	11	10	24	30	2
Gasa	601	693	675	813	31
Haa	4,550	5,225	594	5,751	490
Lhuentse	385	385	6,615	761	58
Monggar	2,231	2,036	2,600	2,593	261
Paro	56,798	61,523	62,781	60,706	5,394
Pema Gatshel	63	71	122	96	32
Punakha	43,741	51,831	53,555	53,904	4,863
Samdrup Jongkhar	1,782	1,682	1,937	1,721	190
Samtse	0	0	0	0	0
Sarpang	231	284	231	263	64
Thimphu	53,454	59,164	60,100	58,593	5,172
Trashigang	2,015	1,886	2,374	2,648	223
Trashy Yangtse	792	705	820	1,031	97
Trongsa	5,778	5,956	5,864	5,364	448
Tsirang	32	27	68	74	6
Wangdue Phodrang	16,068	17,781	19,581	20,529	1,632
Zhemgang	231	259	332	346	58

Note: Includes only the Minimum Daily Package Rate (MDPR) paying leisure tourist

Source: Tourism Council of Bhutan, Thimphu.

Table 10.7: Number of Visitor Nights by Dzongkhag, 2016 - 2020

Dzongkhag	2016	2017	2018	2019	2020
Bumthang	31,519	28,942	30,137	30,580	2,077
Chhukha	3,111	3,605	3,141	2,768	375
Dagana	24	15	37	67	5
Gasa	3,470	3,733	3,341	4,605	41
Haa	5,808	6,727	8,095	7,233	550
Lhuentse	1,073	990	1,120	1,215	72
Monggar	3,539	3,124	4,404	3,808	509
Paro	125,033	140,571	142,663	138,900	11,138
Pema Gatshel	116	199	250	175	102
Punakha	59,827	73,179	75,355	77,443	7,218
Samdrup Jongkhar	1,978	1,840	2,144	1,981	242
Samtse	0	0	0	0	0
Sarpang	354	403	309	396	70
Thimphu	92,986	106,271	107,063	104,307	8,090
Trashigang	3,290	3,408	4,489	5,616	379
Trashigang Yangtse	1,023	894	1,031	1,411	114
Trongsa	6,238	6,548	6,614	5,934	516
Tsirang	40	33	91	107	8
Wangdue Phodrang	23,535	26,333	28,998	30,090	2,219
Zhemgang	614	702	931	915	211

Note: Includes only the Minimum Daily Package Rate (MDPR) paying leisure tourist

Source: Tourism Council of Bhutan, Thimphu.

Table 10.8: Tourist Arrivals by Major Source Markets and Sex, 2020

Year/Country	Number			Percent		
	Male	Female	Both Sex	Male	Female	Both Sex
2020	1,944	2,378	4,322	44.98	55.02	100.00
India	13,623	8,675	22,298	61.10	38.90	100.00
Bangladesh	755	372	1,127	66.99	33.01	100.00
USA	518	568	1,086	47.70	52.30	100.00
China	286	440	726	39.39	60.61	100.00
United Kingdom	240	245	485	49.48	50.52	100.00
Germany	207	198	405	51.11	48.89	100.00
Australia	123	166	289	42.56	57.44	100.00
Vietnam	126	154	280	45.00	55.00	100.00
Japan	142	133	275	51.64	48.36	100.00
Thailand	108	167	275	39.27	60.73	100.00
2019	160,495	124,782	285,277	56.26	43.74	100.00
India	133,942	96,439	230,381	58.14	41.86	100.00
Bangladesh	8,727	4,289	13,016	67.05	32.95	100.00
USA	5,255	6,452	11,707	44.89	55.11	100.00
China	2,751	4,813	7,564	36.37	63.63	100.00
Singapore	1,641	3,103	4,744	34.59	65.41	100.00
United Kingdom	2,084	2,157	4,241	49.14	50.86	100.00
Thailand	1,534	2,552	4,086	37.54	62.46	100.00
Germany	1,600	1,775	3,375	47.41	52.59	100.00
Australia	1,320	1,833	3,153	41.86	58.14	100.00
Japan	1,641	1,369	3,010	54.52	45.48	100.00
2018	...	...	...	...	...	...
India	...	...	191,836	...	...	...
USA	...	...	10,561	...	...	...
Bangladesh	...	...	10,450	...	...	...
China	...	...	6,878	...	...	...
Singapore	...	...	3,886	...	...	...
Thailand	...	...	3,886	...	...	...
United Kingdom	...	...	3,585	...	...	...
Germany	...	...	3,422	...	...	...
Malaysia	...	...	3,140	...	...	...
Australia	...	...	2,739	...	...	...
2017						
India	...	...	172,751	...	...	...

cont...

Table 10.8 cont...

Year/Country	Number			Percent		
	Male	Female	Both Sex	Male	Female	Both Sex
Bangladesh	...	...	10,536	...	...	...
America	...	...	9,220	...	...	...
China	...	...	6,421	...	...	...
South Korea	...	...	6,048	...	...	...
Singapore	...	...	4,129	...	...	...
Thailand	...	...	4,047	...	...	...
British	...	...	3,246	...	...	...
Germany	...	...	2,970	...	...	...
Malaysia	...	...	2,956	...	...	...
2016	17,597	18,316	157,967	6.17	6.42	55.37
India			114,301	0.00	0.00	40.07
China	4,346	4,862	9,208	1.52	1.70	3.23
Bangladesh	...	...	7,753	...	...	...
USA	3,413	3,879	7,292	1.20	1.36	2.56
Japan	2,402	2,431	4,833	0.84	0.85	1.69
Thailand	1,976	2,201	4,177	0.69	0.77	1.46
UK	1,659	1,465	3,124	0.58	0.51	1.10
Singapore	1,420	1,595	3,015	0.50	0.56	1.06
Germany	1,351	946	2,297	0.47	0.33	0.81
Malaysia	1,031	936	1,967	0.36	0.33	0.69

Source: Tourism Council of Bhutan, Thimphu.

Table 10.9 Tourist Arrivals by Mode of Transport and Source Market, 2019 and 2020

Country	2019					2020				
	Air		Land		Total	Air		Land		Total
	Number	%	Number	%		Number	%	Number	%	
India	69,241	30.05	161,140	69.95	230,381	4,781	21.44	17,517	78.56	22,298
Bangladesh	6,397	49.15	6,619	50.85	13,016	556	49.33	571	50.67	1,127
USA	11,349	96.94	358	3.06	11,707	1,028	94.66	58	5.34	1,086
China	7,451	98.51	113	1.49	7,564	722	99.45	4	0.55	726
United Kingdom	3,874	91.35	367	8.65	4,241	445	91.75	40	8.25	485
Germany	2,542	75.32	833	24.68	3,375	315	77.78	90	22.22	405
Australia	3,024	95.91	129	4.09	3,153	275	95.16	14	4.84	289
Vietnam	2,063	99.57	9	0.43	2,072	279	99.64	1	0.36	280
Japan	2,737	90.93	273	9.07	3,010	230	83.64	45	16.36	275
Thailand	4,046	99.02	40	0.98	4,086	258	93.82	17	6.18	275
Singapore	4,654	98.10	90	1.90	4,744	255	99.61	1	0.39	256
Malaysia	2,685	97.25	76	2.75	2,761	243	99.18	2	0.82	245
France	1,616	82.74	337	17.26	1,953	119	76.77	36	23.23	155
South Korea	1,300	92.33	108	7.67	1,408	113	79.58	29	20.42	142
Canada	1,789	95.67	81	4.33	1,870	131	97.04	4	2.96	135
Other African countries	291	94.17	18	5.83	309	24	96.00	1	4.00	25
Other American countries	1,490	98.09	29	1.91	1,519	219	98.65	3	1.35	222
Other East Asia and the Pacific countries	4,328	96.50	157	3.50	4,485	290	98.31	5	1.69	295
Other European countries	10,100	86.04	1,639	13.96	11,739	750	83.52	148	16.48	898
Other Middle East countries	312	99.36	2	0.64	314	25	96.15	1	3.85	26
Other South Asian Countries	1,639	86.63	253	13.37	1,892	161	96.41	6	3.59	167
Total	142,928	45.29	172,671	54.71	315,599	11,219	37.63	18,593	62.37	29,812

Source: Tourism Council of Bhutan (Tashel system) and Department of Immigration

Table 10.10 Average Length of Stay by Major Source Market, 2019 and 2020

Country	2019		2020	
	Mean Nights Stayed	Median Nights Stayed	Mean Nights Stayed	Median Nights Stayed
India	6	6	7	6
Bangladesh	5	6	9	6
USA	10	7	8	6
China	6	5	5	4
Singapore	7	6	9	6
United Kingdom	9	7	9	6
Thailand	8	4	7	4
Germany	11	8	10	7
Australia	10	7	8	7
Japan	14	4	12	4
Malaysia	6	6	6	6
Vietnam	6	4	4	4
France	11	9	9	7
Canada	9	7	7	6
Spain ¹	7	6	...	...
South Korea ¹	...	...	7	4
Other African countries	20	5	36	6
Other American countries	8	5	5	5
Other East Asia and the Pacific countries	7	5	6	5
Other European countries	10	7	13	7
Other Middle East countries	14	5	15	5.5
Other South Asian Countries	16	5	9	4
Total	7	6	7	6

Note: ¹The data for countries that are not included in the top markets for previous/following years are included under respective regional market categorization

Source: Tourism Council of Bhutan (Tashel system) and Department of Immigration

The Balance of Payments is a statistical statement that systematically summarizes the economic transactions of an economy with the rest of the world for a specific time period. The transactions include 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.

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 makers, planners and the public in general. It is useful for assessing the effectiveness of the various strategies such as export promotion and diversification, as well as import substitution and rationalization.

Therefore statistics provided in this chapter includes balance of trade, overall balance of payment estimates, top ten export and imports, and other related statistics.

CONCEPTS AND DEFINITIONS

Balance of Payment (BoP): is a statement that systematically summarizes, for a specific time period, the economic transactions of an economy with the rest of the world. BOP consists of current account includes flow of goods, services and income between residents and nonresidents.

Capital Account: Receipts & payment for non-produced nonfinancial assets & capital transfers between resident and non-resident-for instance grants received from external donors for investment.

Financial Account: Net acquisition & disposal of financial assets & liabilities. Example: FDI, currency & deposits, trade credit, external debt.

Gross International Reserves: Includes the Indian Rupee and Convertible currency reserves of the RMA and five Commercial Banks i.e. BOBL, BNBL, BDBL, T-Bank and Druk PNBL.

Average Exchange Rates, Ngultrum Per USD: Average exchange rates in Ngultrum per USD

Monetary Survey: Monetary survey is the balance sheet of the consolidated monetary sector accounts which includes the monetary authority (RMA) and five deposit money banks (BOBL, BNBL, BDBL, T-Bank, Druk PNBL).

M1:	Is also referred to as narrow money and it includes the currency in circulation outside banks and transferable/demand deposits (which includes saving and current account deposits).
M2:	It is also referred to as broad money.
Net Foreign Assets (NFA):	NFA includes the net holdings of foreign currency assets, which has been segregated in rupee and convertible currency.
Domestic Credit:	Includes the net claims on Government, claims on other public sector (which includes the Government Corporations and public sector) and claims on private sector.
Other Items Net (OIN):	are other liabilities less than other assets consisting of all liabilities and assets not included elsewhere in a survey.
	Lending of Financial Institutions by Industry, Amounts Outstanding: Includes the sectoral credit outstanding of five commercial banks i.e. BOBL, BNBL, BDBL, T-Bank & Druk PNBL and two insurance companies i.e. RICBL and BIL.

Table 11.1.1: Annual Overall Balance of Payments Estimates, FY 2015/16 - 2019/20

(Nu. in Million)

Items	2015/16	2016/17	2017/18	2018/19 (Revised)	2019/20 (Provisional)
A. Current Account	(41,367.300)	(35,926.100)	(30,087.500)	(35,430.200)	(21,789.500)
Goods and services	(39,535.600)	(34,406.900)	(29,479.100)	(35,904.200)	(22,636.200)
Goods: Net (Trade Balance)	(35,519.100)	(31,149.200)	(27,200.700)	(28,338.600)	(17,529.000)
Exports (fob)	32,789.321	36,872.025	39,231.700	42,951.600	47,057.000
Imports (fob)	68,308.433	68,021.200	66,432.400	71,290.200	64,585.900
Services	(4,016.500)	(3,257.700)	(2,278.500)	(3,565.700)	(5,107.200)
Credit	9,728.600	10,623.700	12,428.100	11,902.500	9,727.900
Debit	13,745.089	13,881.400	14,706.600	15,468.200	14,835.100
Primary Income	(11,385.397)	(13,148.100)	(13,799.200)	(15,588.200)	(11,511.300)
Credit	1,623.069	1,999.000	2,413.600	2,640.400	2,127.800
Debit	13,008.466	15,147.100	16,212.800	18,228.600	13,639.100
Secondary Income	9,553.703	11,628.878	13,190.896	12,062.300	12,358.000
Credit	11,358.466	13,256.532	15,019.132	14,232.500	13,871.400
o/w Budgetary grants	8,373.346	6,415.846	6,204.860	6,999.286	6,807.600
Debit	1,804.763	1,627.654	1,828.236	2,170.200	1,513.300
B. Capital Account	12,668.051	12,391.572	11,884.026	8,769.135	10,373.200
o/w Budgetary grants for investment	6,114.551	3,532.328	7,348.026	4,088.035	6,436.100
C. Financial Account*	(43,297.111)	(15,724.300)	(28,057.000)	(25,384.400)	(36,825.600)
Direct investment in Bhutan: net incurrence of liabilities	788.400	(1,640.400)	460.000	923.600	(200.200)
o/w Equity capital	677.800	(497.100)	579.000	754.400	13.400
Other investment	(42,508.697)	(17,364.735)	(27,596.900)	(24,460.800)	(37,025.760)
Other Investment: net acquisition of financial assets	1,450.800	734.200	928.200	1,420.100	2,759.200
Other Investment: net incurrence of financial liabilities	43,959.500	18,099.000	28,525.100	25,880.900	39,785.000
o/w RGOB loans **	30,052.750	13,078.379	18,530.600	18,094.500	26,095.500
o/w Other loans	14,050.350	3,682.334	8,168.300	8,913.600	14,100.900
D. Net Errors and Omissions	(2,013.300)	9,456.100	(41,491.000)	(98.500)	(4,090.200)
E. Overall Balance	12,584.542	1,645.800	4,857.200	(1,375.100)	21,319.200
F. Reserve Assets	12,584.500	1,645.800	41,491.000	(1,375.100)	21,319.190

Note: * Net acquisition of financial assets minus net incurrence of financial liabilities; (+) figure denotes net lending and (-) figure denotes net borrowing; excludes reserve assets. Financial Account sign convention: (+) = increase in assets or liabilities; (-) = decrease in assets or liabilities.

**Includes hydropower loans & accrued interest. BoP statistics were revised inline with the IMF's BPM6 methodology (from FY 2006/07 onwards)

Source : Annual Report, Royal Monetary Authority of Bhutan, Thimphu

Table 11.1.2: Annual Balance of Payments Estimates with India, FY 2015/16 - 2019/20

(Nu. in Million)

Items	2015/16	2016/17	2017/18	2018/19 (Revised)	2019/20 (Provisional)
A. Current Account	(38,312.600)	(34,006.500)	(34,034.300)	(38,643.100)	(26,644.200)
Goods and services	(33,478.500)	(28,105.400)	(27,204.500)	(29,022.500)	(18,820.900)
Goods: Net (Trade Balance)	(28,878.400)	(24,303.800)	(25,478.900)	(26,322.600)	(15,896.700)
Exports (fob)	29,870.100	32,637.100	31,713.500	33,804.000	41,048.000
Imports (fob)	58,748.500	56,940.800	57,192.400	60,126.600	56,944.700
Services	(4,600.100)	(3,801.700)	(1,725.500)	(2,699.900)	(2,924.200)
Credit	2,940.300	2,887.200	4,627.800	3,741.000	3,478.500
Debit	7,540.400	6,688.900	6,353.300	6,440.900	6,402.700
Primary Income	(10,878.300)	(12,798.700)	(13,584.800)	(15,527.600)	(12,097.900)
Credit	817.500	1,157.200	1,327.000	1,021.800	893.400
Debit	11,695.800	13,955.900	14,911.700	16,549.400	12,991.300
o.w Interest on hydropower loans*	1,344.600	1,243.700	1,325.200	764.400	8,582.200
Secondary Income	6,044.200	6,897.600	6,755.000	5,907.000	4,274.600
Credit	7,399.700	8,179.800	7,840.400	7,153.900	4,897.900
o.w Budgetary grants	7,099.300	4,566.500	3,600.900	4,410.500	4,666.100
Debit	1,355.500	1,282.100	1,085.400	1,246.900	623.300
B. Capital Account	12,122.000	12,337.700	11,862.200	8,709.700	10,346.600
o.w Budgetary grants for investment*	5,568.500	3,478.500	7,326.200	4,028.600	6,409.400
o.w Grants for hydropower development	6,553.500	8,859.200	4,536.000	4,681.100	3,937.200
C. Financial Account	(40,782.100)	(12,777.000)	(25,590.300)	(23,242.200)	(28,590.000)
Direct Investment in Bhutan: net incurrence of liabilities	337.200	63.700	14.200	171.900	121.400
o.w Equity capital	313.000	-	1.900	39.000	1.400
Other investment	(40,444.900)	(12,713.400)	(25,576.100)	(23,070.200)	(28,468.600)
Other investment: net acquisition of financial assets	1,310.400	481.300	(494.500)	1,161.100	2,591.800
Other Investment: net incurrence of financial liabilities	41,755.300	13,194.700	25,081.700	24,231.300	31,060.400
o.w. Hydropower loans (incl. accrued interest)*	28,574.100	10,093.100	16,051.300	14,652.500	16,891.700
o.w. Other loans	13,443.800	2,840.300	8,705.000	9,152.600	14,277.300
D. Net Errors and Omissions	(4,648.000)	8,269.300	(4,406.200)	6,926.100	(3,986.400)
E. Overall Balance	9,943.500	(622.500)	(988.000)	234.800	8,305.900
F. Reserve Assets	9,943.500	(622.500)	(988.000)	234.800	8,305.900

Note: * Includes accrued interest (from FY 2006/07 onwards), and are therefore not comparable with figures published by the Ministry of Finance. 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. Financial Account sign convention: (+) = increase in assets or liabilities; (-) = decrease in assets or liabilities. Financial Account sign convention: (+) = increase in assets or liabilities; (-) = decrease in assets or liabilities.

Source : Annual Report, Royal Monetary Authority of Bhutan, Thimphu

**Table 11.1.3: Annual Balance of Payments Estimates with Countries Other than India,
FY 2015/16 - 2019/20**

(Nu. in Million)

Items	2015/16	2016/17	2017/18	2018/19 (Revised)	2019/20 (Provisional)
A. Current Account	(3,054.700)	(1,919.600)	3,946.800	3,212.900	4,854.700
Goods and services	(6,057.100)	(6,301.500)	(2,274.600)	(2,881.700)	(3,815.300)
Goods: Net (Trade Balance)	(6,640.700)	(6,845.400)	(1,721.700)	(2,016.000)	(1,632.300)
Exports (fob)	2,919.200	4,234.900	7,518.300	9,147.600	6,008.900
Imports (fob)	9,559.900	11,080.400	9,240.000	11,163.600	7,641.200
Services	583.600	543.900	(552.900)	(865.800)	(2,183.000)
Credit	6,788.200	7,736.400	7,800.400	8,161.500	6,249.400
Debit	6,204.600	7,192.500	8,353.300	9,027.300	8,432.340
Primary Income	(507.100)	(349.400)	(214.400)	(60.600)	586.600
Credit	805.600	841.700	1,086.600	1,618.600	1,234.400
Debit	1,312.700	1,191.200	1,301.000	1,679.200	647.800
Secondary Income	3,509.500	4,731.300	6,435.900	6,155.300	8,083.400
Credit	3,958.800	5,076.800	7,178.800	7,078.700	8,973.400
o.w Budgetary grants	1,274.000	1,849.300	2,604.000	2,588.700	2,141.400
Debit	449.300	345.500	742.900	923.400	890.000
B. Capital Account	546.000	53.800	21.800	59.500	26.700
o/w Budgetary grants for investment*	546.000	53.800	21.800	59.500	26.700
C. Financial Account*	(2,515.000)	(2,947.300)	(2,466.700)	(2,142.200)	(8,235.600)
Direct investment in Bhutan: net incurrence of liabilities	451.200	(1,704.100)	445.900	751.600	(321.500)
o.w Equity capital	364.700	(497.100)	577.000	715.400	11.900
Other investment	(2,063.800)	(4,651.400)	(2,020.800)	(1,390.600)	(8,557.200)
Other investment: net acquisition of financial assets	140.500	252.900	1,422.700	259.000	167.500
Other Investment: net incurrence of financial liabilities	2,204.200	4,904.300	3,443.500	1,649.600	8,724.600
o.w. RGOB loans	1,478.700	2,985.300	2,479.200	3,441.900	9,203.900
o.w. Other loans	606.500	842.100	(536.600)	(239.000)	(176.400)
D. Net Errors and Omissions	2,634.800	1,186.800	36,043.700	(7,024.600)	(103.800)
E. Overall Balance	2,641.000	2,268.300	42,479.100	(1,610.000)	13,013.200
F. Reserve Assets	2,641.000	2,268.300	42,479.100	(1,610.000)	13,013.200

*Note: * Net acquisition of financial assets minus net incurrence of financial liabilities: (+) figure denotes net lending and assets. (-) figure denotes net borrowings; excludes reserve Financial Account sign convention: (+) = increase in assets or liabilities; (-) = decrease in assets or liabilities. (-) = decrease in assets or liabilities; (-) = decrease in assets or liabilities.*

Source : Annual Report, Royal Monetary Authority of Bhutan, Thimphu

Table 11.1.4: Gross International Reserves, FY 2015/16 - 2019/20

(Nu. in Million)

Item	2015/16	2016/17	2017/18	2018/19	2019/20
1. Rupee reserves (INR in Million)	20,811.900	21,092.400	16,111.200	15,237.500	23,713.700
Royal Monetary Authority of Bhutan	19,017.700	19,433.100	14,534.300	12,924.000	22,011.700
Bank of Bhutan Ltd.	830.300	1,075.900	363.200	460.900	523.400
Bhutan National Bank Ltd.	142.000	212.200	514.600	867.800	379.300
T Bank Ltd.	175.900	122.400	480.000	630.900	550.400
Druk PNB Ltd.	645.900	248.800	193.700	342.800	238.900
Bhutan Development Bank Ltd.	...	...	25.300	11.100	10.000
2. Convertible Currency Reserves (USD in Million)	811.000	776.600	876.300	843.700	1,029.600
3. Total Reserves (USD in Million) (1+2)	1,118.800	1,103.800	1,111.300	1,064.800	1,343.500
4. Exchange rates used	67.600	64.500	68.600	68.900	75.500
5. Months of Merchandise Imports (2)	12.900	12.600	13.800	12.400	18.900
Total reserves	4.300	4.400	3.400	3.000	5.000
Rupee reserves	57.100	54.200	78.000	62.500	122.100
Convertible currency reserves	...	...	...	...	...
6. Months of Imports (Merchandise + Services) (2)					
Total reserves	10.800	10.400	11.300	10.100	15.300
Rupee reserves	3.800	4.000	3.000	2.700	4.500
Convertible currency reserves	37.100	32.900	41.000	34.600	58.100

*Note: * Excludes cash in hand of commercial banks. (1) Convertible currency reserves of RMA have been revised in 2013 to exclude the US dollar pledge on any outstanding overdraft as of each reference period. Reserves also exclude (from July 2007 onwards) the local currency component of Bhutan's IMF Quota and the Kuwait fund investment. (2) Imports on fob basis. Figures differ from previous publication due to revision in import figures. Data for 2015/16 onwards are based on provisional import figures for 2015/16 and are subject to change.*

Source: Annual Report, Royal Monetary Authority, Thimphu

Table 11.1.5: Monthly Average Exchange Rate, Ngultrum Per USD, 2016 - 2020

Month	2016	2017	2018	2019	2020
January	67.293	68.086	63.646	70.751	71.330
February	68.243	66.738	64.374	71.208	71.490
March	67.022	65.915	65.011	69.479	74.320
April	66.470	64.514	65.663	69.427	76.190
May	66.886	64.412	67.544	69.789	75.660
June	67.297	64.436	67.793	69.439	75.710
July	67.217	64.440	68.701	68.809	75.020
August	66.940	63.966	69.535	71.146	...
September	66.738	64.461	72.300	71.334	73.500
October	66.757	65.086	73.618	71.049	73.480
November	67.527	64.872	71.824	71.429	74.270
December	67.899	64.242	70.832	71.188	...
Calendar Year Average Exchange Rate	67.191	65.100	68.403	70.420	74.150
Fiscal Year	2015/16	2016/17	2017/18	2018/19	2019/20
Fiscal year average exchange Rate	66.320	66.430	65.092	70.575	72.470

Source: *Monthly Statistical Bulletin, Royal Monetary Authority, Thimphu.*

Table 11.2.1: Balance of Merchandise Trade, 2016 - 2020

(Nu. in Million)

Trade	2016	2017	2018	2019	2020
Export	22,226.000	25,314.000	30,835.215	31,250.000	20,732.244
India	19,020.000	19,635.000	21,591.812	23,573.000	15,989.551
Countries other than India	3,206.000	5,679.000	9,243.403	7,677.000	4,742.692
Import	67,187.000	66,921.000	71,345.200	68,906.000	66,456.122
India	55,112.000	53,898.000	59,811.692	56,453.000	51,197.865
Countries other than India	12,075.000	13,023.000	11,533.507	12,453.000	15,258.257
Balance of Trade	(44,961.000)	(41,607.000)	(40,509.985)	(37,656.000)	(45,723.879)
India	(36,092.000)	(34,263.000)	(38,219.881)	(32,880.000)	(35,208.314)
Countries other than India	(8,869.000)	(7,344.000)	(2,290.104)	(4,776.000)	(10,515.565)

Note: *Figures within bracket indicate deficit (-).*

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

Table 11.2.2: Top Ten Merchandise Commodities of Export, 2020

Sl. No	Products	Value (Nu. in Million)	Share (%)
1	Ferro Silicon	7,512.126	36.2
2	Boulders	1,876.875	9.1
3	Semi-finished product of iron and non-alloy steel	1,820.480	8.8
4	Portland pozzolana cement	1,214.056	5.9
5	Cardamom	999.424	4.8
6	Pebbles, gravel, broken or crushed stone	898.198	4.3
7	Gypsum; anhydrite	622.921	3.0
8	Ordinary Portland cement	564.246	2.7
9	Potato	527.739	2.5
10	Dolomite in chips	527.179	2.5
	Total	20,732.244	79.9

Note: Total includes all merchandise export

Source : Bhutan Trade Statistics 2020, Department of Revenue & Customs, Ministry of Finance.

Table 11.2.3: Top Ten Merchandise Commodities of Import, 2020

Sl. No	Products	Value (Nu. in Million)	Share (%)
1	Aeroplanes and other aircraft	6,249.231	9.4
2	Diesel (HSD)	4,436.864	6.7
3	Rice	2,629.444	4.0
4	Wood Charcoal	2,050.548	3.1
5	Ferrous products obtained by direct reduction of iron ore	1,885.337	2.8
6	Coke and semi-coke	1,716.958	2.6
7	Mobile Phones	1,689.092	2.5
8	Petrol (MS)	1,565.766	2.4
9	Edible Oil	956.018	1.4
10	Motor Vehicle (Of a Cylinder Capacity not exceeding 1,500 cc)	902.321	1.4
	Total	66,456.122	36.2

Note: Total includes all merchandise import

Source : Bhutan Trade Statistics 2020, Department of Revenue & Customs, Ministry of Finance.

Table 11.2.4: Import in Ranking Order by Country of Origin, 2020

Rank	Country Name	Value (Nu. in Million)	Rank	Country Name	Value (Nu. in Million)
1	India	51,197.865	22	Sweden	50.585
2	France	6,270.321	23	Norway	39.562
3	China	2,133.833	24	Nepal	39.477
4	Thailand	1,270.730	25	South Africa	36.720
5	Singapore	1,044.283	26	Qatar	33.915
6	Germany	682.792	27	New Zealand	33.209
7	Bangladesh	440.464	28	Switzerland	24.877
8	Japan	377.235	29	Saudi Arabia	19.756
9	United Arab Emirates	357.109	30	Israel	19.242
10	United States of America	196.763	31	Slovenia	14.196
11	Malaysia	195.447	32	Ireland	13.935
12	United Kingdom	189.720	33	Spain	13.654
13	Italy	174.678	34	Poland	11.073
14	Australia	126.507	35	Portugal	10.307
15	South Korea	125.096	36	Canada	8.874
16	Hong Kong	114.042	37	Hungary	8.872
17	Indonesia	103.482	38	Brazil	8.302
18	Viet Nam	100.142	39	Taiwan	8.250
19	Netherlands	83.713	40	Belgium	7.673
20	Austria	74.810	41	Finland	6.031
21	Denmark	54.770	42	Philippines	3.023

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 2020, Department of Revenue & Customs, Ministry of Finance.

Table 11.2.5: Export in Ranking Order by Country of Destination, 2020

Rank	Country Name	Value (Nu. in Million)
1	India	15,989.551
2	Bangladesh	3,955.021
3	Nepal	358.944
4	Italy	169.359
5	Viet Nam	46.547
6	Turkey	42.902
7	Japan	39.594
8	United Arab Emirates	39.145
9	United Kingdom	20.024
10	Hong Kong	12.586
11	Netherlands	7.987
12	Belgium	7.324
13	Spain	6.227
14	Thailand	5.864
15	United States of America	5.409
16	Germany	3.633
17	Luxembourg	3.363
18	Taiwan	3.105
19	Switzerland	2.684
20	Singapore	2.575
21	France	1.238
22	China	1.143
23	Malaysia	1.063

Note: Export value which is less than or equal to Nu. 1,000,000.00 is excluded for computation of export ranking order.

Source : Bhutan Trade Statistics 2020, Department of Revenue & Customs, Ministry of Finance.

Table 11.2.6: Import of Petroleum Products by Volume and Value, 2016 - 2020

Products	Unit	2016		2017	
		Volume in KL/MT	Value in (Nu. in Million)	Volume in KL/MT	
Diesel (HSD)	LTR	133,851.270	5,776.530	144,620.700	
Petrol(MS)	LTR	36,214.800	1,755.3 10	39,119.500	
S.K. Oil (Kerosene)	LTR	4,839.000	66.970	4,328.000	
Kerosene type jet fuel (ATF)	LTR	3,294.000	127.920	3,982.000	
Subsidized LPG (14.2 kg)	KGM	7,593.300	198.610	8,078.900	
Non-subsidized LPG (14.2 kg)	KGM	...	...	...	
Commercial/Industrial LPG (19kg)	KGM	...	...	...	
Lubricating Oils	LTR	2,478.560	416.960	2,239.170	
Fuel oils (Furnance Oil)	LTR	1,425.290	34.890	1,688.010	
Other medium oils and preparations (LDO)	LTR	36.000	1.240	...	
Petroleum Bitumen	KGM	11,707.120	377.860	15,663.270	
Others (waste oils)	LTR	10.790	1.690	140.380	

Note: S. K Oil includes both industrial and subsidized Kerosene.

Separate BTC code for non-subsidized LPG and Commercial LPG was created w.e.f.year 2018.

Two types of waste oils falling under BTC Code 2710.91.00 and 2710.99.00 are clubbed together

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

	2018		2019		2020	
Value (Nu. in Million)	Volume in KL/MT	Value (Nu. in Million)	Volume in KL/MT	Value (Nu. in Million)	Volume in KL/MT	Value (Nu. in Million)
6,648.560	159,722.500	7,943.330	154,616.590	7,760.792	108,986.500	4,664.320
1,969.390	46,912.340	2,333.600	50,958.510	2,509.082	34,775.517	1,590.184
76.020	3,585.000	79.950	2,922.000	82.109	1,698.000	42.020
170.650	4,878.000	230.970	4,956.000	225.468	1,720.000	63.771
223.310	4,277.144	120.224	7,812.824	226.744	6,819.944	226.731
...	16.259	0.953	1,015.410	43.352	1,635.374	68.683
...	723.551	42.500	1,369.915	75.920	652.372	37.406
377.220	2,374.320	374.320	2,090.816	332.829	1,739.047	286.244
49.600	3,410.770	124.030	3,692.536	136.382	1,908.854	56.754
...	53.540	1.470	43.666	1.780	...	...
454.080	25,745.010	850.850	16,769.863	574.380	16,474.777	515.823
15.400	4.700	0.880	83.396	6.192	30.262	5.715

The growth of financial institutions are pivotal in the pursuit of socio-economic development. Towards this, financial statistics play an important role in planning and designing sound policies conducive to economic development and serve as a basis for the monetary authorities and the banking and credit institutions to promptly respond to monetary problems, needs and requirements of the economy. Data from financial institutions also provide insights on the contribution of this sector to the government's effort of nation building. The financial sector in Bhutan comprises of Royal Monetary Authority (Central Bank), five commercial banks (Bhutan of Bhutan Ltd., Bhutan National Bank Ltd., Druk PNB Bank Ltd., T-Bank Ltd. and Bhutan Development Bank Ltd.), four non-financial banks (Royal Insurance Corporation of Bhutan Ltd., Bhutan Insurance Ltd., National Pension & Provident Fund Ltd. and GIC-Bhutan Reinsurance Company Ltd.) In the year 2020 National CSI Development Bank was inaugurated to operate as a non-deposit taking CSI Bank. There are also registered five Micro-Finance Institution in the country; Tarayana Microfinance, Respect, Educate, Nurture and Empower Women (RENEW) Microfinance, Microfinance Bhutan Private Ltd., Bhutan Association of Women Empowerment (BAOWE), Microfinance and Bhutan Care Credit Ltd.

The Royal Monetary Authority compiles the monetary and financial statistics based on the information from its own accounts and the financial institutions. The monetary survey is the balance sheet of the consolidated monetary sector which includes the RMA and deposit money banks. The statistics presented in this chapter includes the assets and liabilities of the financial institutions, the total credit outstanding and interest rates for deposits and credit. Additionally, information on financial market of the RSEBL is also presented in this chapter.

CONCEPTS AND DEFINITIONS

Saving:	A deposit account, wherein a customer can deposit / withdraw as and when intends to, depending on their respective requirement.
Term Deposit (Fixed Deposits):	Fixed deposit allows you to invest your funds for a fixed term and earn returns based on an interest rate. The interest rate on your FD is higher than savings.
Term Deposit (Recurring Deposits):	Recurring Deposit Account is an account, wherein a depositor deposits a preset amount of money every month for a fixed time period. The scheme is designed to encourage salaried and small time savers groups of customers with regular income to save through this account. The scheme is otherwise referred as Recurring Deposit Saving Scheme (RDSS).
Earnings Per Share:	It is the amount of each share if sold (Net profit/No. of shares).
Profit Earning Ratio:	Price paid to receive Nu. 1 back (Market price/EPS).
Bhutan Stock Index:	A composite market value weighted index based on market capitalization and changes as per the price movement in secondary market.

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Base Divisor:

The index divisor is a number chosen at the inception of a price-weighted stock market index which is applied to the index to create a more manageable index value.

Divident:

The distribution of some of a company's profits to its shareholders, as determined by the company during its annual general meeting.

Table 12.1.1: Number of Financial Institution Infrastructures by Dzongkhag, 2020

Dzongkhag	BOBL			BNBL			
	Branch Office	GFO/ Extension Office	ATM	Branch Office	GFO/ Extension Office	ATM	
Bumthang	1	0	2	1	0	2	
Chhukha	5	3	14	1	1	5	
Dagana	3	0	3	0	1	1	
Gasa	1	0	1	0	1	0	
Haa	1	0	3	0	1	1	
Lhuentse	1	0	1	0	1	1	
Monggar	2	0	3	1	2	3	
Paro	1	1	7	1	1	4	
Pema Gatshel	2	0	3	0	1	1	
Punakha	1	0	2	0	1	2	
Samdrup Jongkhar	3	1	4	1	2	4	
Samtse	4	0	4	1	2	4	
Sarpang	2	1	4	1	1	2	
Thimphu	5	3	46	2	4	32	
Trashigang	2	1	5	1	3	3	
Trashi Yangtse	2	0	2	0	1	1	
Trongsa	1	1	3	0	1	1	
Tsirang	1	0	1	1	0	1	
Wangdue Phodrang	1	1	5	1	0	3	
Zhemgang	2	0	2	0	1	1	
Total	41	12	115	12	25	72	

Note: * All the Bank's Head office are located in Thimphu

Source : Bank of Bhutan, Bhutan National Bank, Bhutan Development Bank, T Bank, Druk PNB, Thimphu.

BDBL			T-Bank Ltd			Druk PNBL		
Branch Office	GFO/ Extension Office	ATM	Branch Office	GFO/ Extension Office	ATM	Branch Office	GFO/ Extension Office	ATM
1	1	1	0	0	0	1	0	1
3	1	5	1	0	4	1	0	3
3	1	3	0	0	0	0	0	0
1	0	1	0	0	0	0	0	0
1	2	1	0	0	0	0	0	0
1	1	1	0	0	0	0	0	0
2	3	2	1	0	1	0	0	0
1	1	2	1	0	4	1	0	3
2	1	2	0	0	0	0	0	0
1	0	2	0	0	0	0	0	0
3	3	3	1	0	2	0	0	0
3	2	5	1	0	1	1	0	2
2	1	2	1	0	2	1	0	1
2	0	11	1	0	10	1	0	14
2	6	5	1	0	1	0	0	0
1	1	1	0	0	0	0	0	0
1	1	1	1	0	1	1	0	1
1	0	1	0	0	0	0	0	0
2	1	3	1	0	1	1	0	5
2	1	2	0	0	0	0	0	0
35	27	54	10	0	27	8	0	30

Table No. 12.1.2: Banking Transaction Trend for all Financial Institutions by Type, 2017 - 2020

Transaction Type	2017					2018				
	BoBL	BNBL	BDBL	Druk PNB	T-BANK	BoBL	BNBL	BDBL	Druk PNB	
Cash Counter										
Number of Transaction	1,684,482	595,611	526,637	...	125,941	2,109,646	621,556	912,622	...	
Deposits	1,038,031	390,661	328,637	...	73,567	1,275,706	397,551	565,602	...	
Withdrawal	646,451	204,950	198,000	...	52,374	833,940	224,005	347,020	...	
Amount Transacted (Nu. in million)	71,395.286	42,789.328	10,000.000	...	37,907.164	97,021.209	46,903.189	140,000.000	...	
Deposits	49,791.197	28,540.802	23,000.000	...	19,026.241	66,194.964	31,118.139	38,000.000	...	
Withdrawal	21,604.090	14,248.526	23,000.000	...	18,880.924	30,826.246	15,785.050	38,000.000	...	
ATM Transaction										
Number of Transaction	4,000,514	1,227,620	213,471	...	220,353	3,941,836	1,338,100	478,812	...	
Deposits	14,166	0	...	...	...	23,066	5,308	...	...	
Withdrawal	3,986,348	1,227,620	213,471	...	220,353	3,918,770	1,332,792	474,812	...	
Amount Transacted (Nu. in million)	1,824.720	4,495.913	1,512.581	...	702.248	15,922.845	4,610.661	3,663.502	...	
Deposits	202.155	0.000	...	...	0.000	322.549	55.103	...	...	
Withdrawal	1,622.565	4,495.913	1,512.581	...	702.248	15,600.296	4,555.559	3,663.502	...	
Mobile App Transaction										
Number of Transaction	8,743,576	56,540	...	...	3,746	17,234,785	361,780	15,632	...	
Amount Transacted (Nu. in Million)	584.954	501.270	...	...	45.930	34,873.316	3,539.707	35.049	...	

Note: The data for the Druk PNB is not available from the source itself.

Source : Bank of Bhutan, Bhutan National Bank, Bhutan Development Bank, Druk PNB, T Bank, Thimphu.

2019						2020				
T-BANK	BoBL	BNBL	BDBL	Druk PNBL	T-BANK	BoBL	BNBL	BDBL	Druk PNBL	T-BANK
142,258	2,233,396	588,075	945,319	...	154,359	1,528,863	385,701	676,074	...	110,961
79,414	1,266,319	384,246	592,404	...	83,181	832,351	237,731	400,737	...	54,682
62,844	967,077	203,829	352,915	...	71,178	696,512	147,970	275,337	...	56,279
57,586.154	106,547.898	45,307.813	70,000.000	...	42,604.995	80,075.562	32,776.470	54,000.000	...	17,470.294
28,763.572	71,086.139	29,585.730	35,000.000	...	21,291.003	53,069.073	19,973.688	27,000.000	...	8,764.151
28,822.582	35,461.759	15,722.083	35,000.000	...	21,313.992	27,006.488	12,802.782	27,000.000	...	8,706.143
280,065	5,416,670	1,499,114	546,776	...	346,628	4,362,439	1,278,217	433,845	...	258,586
...	24,269	8,392	...	...	...	20,652	10,580	...	...	...
280,065	5,392,401	1,490,722	546,776	...	346,628	4,341,787	1,267,637	433,845	...	258,586
924.883	21,679.417	5,151.191	3,663.502	...	1,108.878	17,389.732	4,213.075	3,493.341	...	1,108.878
0.000	93.809	84.433	...	...	0.000	391.492	89.008	...	...	0.000
924.883	21,585.609	5,066.757	3,663.502	...	1,108.878	16,998.240	4,124.068	3,493.341	...	1,108.878
109,878	26,538,971	917,474	388,003	...	233,859	52,775,225	2,024,897	1,128,407	...	542,480
382.135	67,463.318	8,232.419	897.510	...	853.311	122,523.995	11,723.961	2,619.017	...	2,234.897

Table 12.1.3: Monetary Survey, 2016 - 2020

(Nu. in Million)

Items	2016	2017	2018	2019	2020
Monetary Survey Counterparts					
Broad Money (M2)	93,680.710	110,000.900	117,191.020	132,499.080	169,195.240
Foreign assets (Net)	73,220.220	72,878.530	65,533.830	76,816.540	106,058.970
Domestic assets (Net)	20,460.480	37,122.370	51,657.190	55,682.540	63,136.270
Domestic credit	71,114.340	90,356.050	105,639.890	111,988.020	121,251.710
Public sector	688.170	8,200.830	8,943.280	(1,969.060)	(749.460)
Government (Net)	(4,300.670)	2,498.610	2,797.440	(7,707.790)	(7,652.770)
Other public sector ¹	4,988.850	5,702.220	6,145.840	5,738.730	6,903.310
Private sector ²	70,426.170	82,155.220	96,696.610	113,957.080	122,001.170
Other items (Net)	50,653.860	53,233.680	53,982.700	56,305.480	58,115.440
Monetary Survey Components					
Broad Money (M2)	93,680.710	110,000.900	117,191.020	132,499.080	169,195.240
Narrow money (M1)	52,057.520	63,478.170	68,307.230	71,825.720	95,705.340
Nu. outside banks	8,318.930	8,767.080	9,171.410	10,946.720	11,614.520
Transferable deposits	43,738.600	54,711.090	59,135.820	60,879.000	84,090.830
Current account	19,675.440	26,679.470	25,395.940	24,296.580	32,623.260
Saving deposits	24,063.150	28,031.620	33,739.880	36,582.430	51,467.560
Other Deposits	41,623.180	46,522.730	48,883.790	60,673.370	73,489.900
Time deposits	39,218.340	43,249.900	47,685.180	59,585.240	72,552.340
Foreign currency deposits	2,404.840	3,272.840	1,198.610	1,088.130	937.560

Note: ¹Includes Government Corporations and Public Sector

²Includes Non-Bank Financial Institutions (NBFIs)

Source: Monthly Bulletin, Royal Monetary Authority of Bhutan, Thimphu.

Table 12.1.4: Monetary and Financial Statistics of Bank of Bhutan Limited, 2016 - 2020

(Nu. in Million)

Item	2016	2017	2018	2019	2020
Assets Total	42,634.700	49,385.310	54,299.780	64,794.160	85,365.120
Reserve with RMA	17,305.220	18,021.380	13,186.850	15,174.190	30,686.270
Foreign assets	1,487.780	1,724.950	2,353.780	2,720.310	2,550.140
Indian rupee	598.980	293.020	644.600	565.570	499.140
Other currencies	888.800	1,431.930	1,709.180	2,154.740	2,051.000
Claims on Government	0.000	0.000	0.000	0.000	988.000
Claims on Govt. Corporations	2,919.080	3,989.070	3,915.020	3,654.540	4,890.280
Claims on public sector ¹	660.370	386.260	750.720	1,045.890	1,298.470
Claims on private sector	19,625.810	24,843.640	34,053.850	42,151.390	44,901.420
Claims on NBFIs	636.440	420.020	39.560	47.830	50.550
Liabilities Total	42,634.695	49,385.314	54,299.783	64,794.161	85,365.120
Demand deposits	25,055.052	30,283.599	35,755.050	36,079.213	49,925.500
Time deposits	9,810.576	11,256.156	10,556.944	19,373.113	25,944.930
Foreign currency deposits	1,021.951	1,167.500	0.000	0.000	0.000
Foreign liabilities	0.000	0.000	0.000	0.000	0.000
Indian rupee	0.000	0.000	0.000	0.000	0.000
Other currencies	0.000	0.000	0.000	0.000	0.000
Govt. deposits	0.000	0.000	0.000	0.000	0.000
Domestic borrowings	0.000	0.000	0.000	0.000	0.000
Capital accounts	6,206.466	5,812.476	6,921.519	7,516.251	6,735.490
Other items (Net)	540.650	865.582	1,066.270	1,825.584	2,759.190

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

Source: Monthly Statistical Bulletin, Royal Monetary Authority of Bhutan, Thimphu.

Table 12.1.5: Monetary and Financial Statistics of Bhutan National Bank Limited, 2016 - 2020

(Nu. in Million)

Item	2016	2017	2018	2019	2020
Assets Total	33,723.480	36,579.759	35,979.413	38,979.220	47,176.710
Reserves with RMA	7,661.652	8,944.451	5,599.972	5,242.148	9,547.090
Foreign assets	1,079.742	668.504	1,138.163	591.602	1,237.010
Indian rupee	179.067	176.449	420.577	313.183	335.380
Other currencies	900.674	492.055	717.586	278.419	901.630
Claims on Government	0.000	0.273	0.221	0.000	988.000
Claims on Government Corporations	215.332	115.332	116.953	115.332	115.332
Claims on public sector ¹	641.232	607.259	595.681	119.563	119.850
Claims on private sector	23,239.698	25,467.880	28,028.391	32,663.705	35,107.550
Claims on NBFIs	885.826	776.060	500.033	246.871	61.880
Liabilities Total	33,723.480	36,579.759	35,979.413	38,979.220	47,176.710
Demand deposits	9,361.717	11,376.492	10,685.827	10,858.387	13,499.640
Time deposits	14,513.549	13,821.483	14,796.359	17,457.702	22,034.020
Foreign currency deposits	660.129	2,098.334	1,191.551	1,086.706	936.500
Foreign liabilities	0.000	0.000	0.000	0.000	0.000
Indian rupee	0.000	0.000	0.000	0.000	0.000
Other currencies	0.000	0.000	0.000	0.000	0.000
Govt. deposits	0.000	0.000	0.000	0.000	0.000
Domestic borrowings	0.000	0.000	0.000	0.000	0.000
Capital accounts	7,235.485	7,560.928	7,644.832	7,706.084	7,752.250
Other items (Net)	1,952.602	1,722.522	1,660.845	1,870.341	2,954.310

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

Source: Monthly Statistical Bulletin, Royal Monetary Authority of Bhutan, Thimphu.

Table 12.1.6: Monetary and Financial Statistics of Druk PNB Bank Ltd., 2016 - 2020

(Nu. in Million)

Item	2016	2017	2018	2019	2020
Assets Total	8,521.450	11,678.744	13,236.749	13,984.723	18,828.110
Reserve with RMA	2,345.506	3,941.479	3,916.926	1,907.085	5,768.180
Foreign assets	885.716	1,068.976	599.700	860.508	459.180
Indian rupee	164.505	404.007	353.102	342.949	191.210
Other currencies	721.212	664.969	246.598	517.559	267.970
Claims on Government	0.000	0.000	0.000	0.000	250.000
Claims on Govt. Corporations	307.889	318.709	333.586	424.094	55.000
Claims on public sector ¹	105.566	147.915	264.144	132.512	99.270
Claims on private sector	4,626.699	5,870.431	7,772.341	10,560.550	12,196.480
Claims on NBFIs	250.075	331.234	350.052	99.976	0.000
Liabilities Total	8,521.450	11,678.744	13,236.749	13,984.723	18,828.110
Demand deposits	4,191.528	6,312.212	4,798.697	5,466.549	8,365.750
Time deposits	2,743.126	4,509.305	7,084.164	6,734.897	7,918.710
Foreign currency deposits	716.248	0.000	0.000	0.000	0.000
Foreign liabilities	0.000	0.000	0.000	0.000	0.000
Indian rupee	0.000	0.000	0.000	0.000	0.000
Other currencies	0.000	0.000	0.000	0.000	0.000
Govt. deposits	0.000	0.000	0.000	0.000	0.000
Domestic borrowings	0.000	0.000	0.000	0.000	0.000
Capital accounts	1,189.583	1,306.073	1,852.266	1,993.873	2,348.720
Other items (Net)	(319.033)	(448.846)	(498.378)	(210.596)	194.940

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: Monthly Statistical Bulletin, Royal Monetary Authority of Bhutan, Thimphu.

Table 12.1.7: Monetary and Financial Statistics of Bhutan Development Bank Limited, 2016 - 2020
(Nu. in Million)

Item	2016	2017	2018	2019	2020
Assets Total	21,182.330	23,223.761	24,702.554	25,196.804	28,124.060
Reserves with RMA	3,796.079	3,873.221	5,244.792	4,872.738	6,296.140
Foreign assets	0.865	11.687	15.767	9.717	6.880
Indian rupee	0.865	11.687	15.767	9.717	6.880
Other currencies	0.000	0.000	0.000	0.000	0.000
Claims on Government	0.000	0.000	0.000	0.000	329.330
Claims on Govt. Corporations	54.308	52.294	65.011	69.587	20.780
Claims on public sector ¹	33.442	33.442	33.442	33.442	28.440
Claims on private sector	16,474.363	18,631.191	18,662.314	19,930.988	21,151.160
Claims on NBFIs	823.274	621.926	681.227	280.332	291.330
Liabilities Total	21,182.330	23,223.760	24,702.550	25,196.800	28,124.060
Demand deposits	3,541.790	4,398.660	5,068.010	5,699.650	8,685.920
Time deposits	10,566.610	11,672.380	12,292.330	11,995.170	12,635.230
Foreign currency deposits	0.000	0.000	0.000	0.000	0.000
Foreign liabilities	0.000	279.600	0.000	0.000	0.000
Indian rupee	0.000	0.000	0.000	0.000	0.000
Other currencies	0.000	279.600	0.000	0.000	0.000
Govt. deposits	0.000	0.000	0.000	0.000	0.000
Domestic borrowings ²	681.580	263.770	868.720	743.710	638.430
Capital accounts	3,241.006	2,014.939	2,391.423	2,341.816	2,745.970
Other items (Net)	3,151.346	4,594.414	4,082.067	4,416.458	3,418.510

Note: BDBL received its license to operate as a specialized deposit-taking commercial bank on March 1, 2010.

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

² Due to changes in the classification of foreign liabilities, the external borrowing of the BDBL has been reclassified as the domestic borrowing as this borrowing was on lent by Government to the BDBL.

Source: Monthly Statistical Bulletin, Royal Monetary Authority of Bhutan, Thimphu.

Table 12.1.8: Monetary and Financial Statistics of T-Bank Ltd, 2016 - 2020

(Nu. in Million)

Item	2016	2017	2018	2019	2020
Assets Total	1,174.968	6,714.411	8,397.762	10,750.295	11,740.600
Reserve with RMA	852.815	1,219.075	1,197.963	1,376.944	1,699.890
Foreign assets	282.153	244.176	509.523	1,258.095	1,193.460
Indian rupee	200.719	142.033	263.770	623.032	809.600
Other currencies	81.434	102.143	245.754	635.063	383.860
Claims on Government	40.000	40.000	40.000	20.000	349.330
Claims on Govt. Corporations	0.000	0.000	0.000	0.000	130.920
Claims on public sector ¹	51.627	51.944	71.277	143.764	144.970
Claims on private sector	3,819.485	5,151.716	6,420.291	7,743.681	8,214.260
Claims on NBFIs	7.500	7.500	158.708	207.812	7.750
Liabilities Total	5,053.580	6,714.411	8,397.762	10,750.295	11,740.600
Demand deposits	1,588.510	2,340.125	2,828.229	2,775.206	3,614.030
Time deposits	1,584.482	1,990.574	2,955.382	4,024.350	4,019.450
Foreign currency deposits	6.513	7.002	7.059	1.424	1.060
Foreign liabilities	0.000	0.000	0.000	0.000	0.000
Indian rupee	0.000	0.000	0.000	0.000	0.000
Other currencies	0.000	0.000	0.000	0.000	0.000
Govt. deposits	0.000	0.000	0.000	0.000	0.000
Domestic borrowings	0.000	0.000	0.000	0.000	0.000
Capital accounts	625.364	721.435	866.636	1,465.526	1,474.330
Other items (Net)	1,248.710	1,655.275	1,740.455	2,483.789	2,631.730

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

Reports on the two new deposit-taking commercial banks (Druk PNB Ltd. & T Bank Ltd.) are available from April 2010.

Source: Monthly Statistical Bulletin, Royal Monetary Authority of Bhutan, Thimphu.

**Table 12.1.9: Monetary and Financial Statistics of Royal Insurance Corporation of Bhutan,
2016 - 2020**

(Nu. in Million)

Item	2016	2017	2018	2019	2020
Assets Total	18,021.630	20,494.849	22,047.985	23,456.043	24,802.130
Reserves	917.180	1,560.306	1,318.239	984.327	565.820
Foreign assets	76.360	20.616	141.500	0.000	65.100
Indian rupee	6.698	0.000	0.000	0.000	65.100
Other currencies	69.662	20.616	141.500	0.000	0.000
Claims on Govt.	0.000	0.000	0.000	0.000	0.000
Claims on Govt. Corporations	0.000	12.670	0.000	54.900	173.700
Claims on public sector	71.351	37.790	37.790	37.790	37.790
Claims on private sector	15,549.448	17,501.289	19,088.281	20,726.850	21,077.540
Claims on DMBs	1,303.610	1,303.614	1,403.614	1,593.614	2,793.610
Claims on NBFIs	103.670	58.560	58.560	58.560	88.560
Liabilities Total	18,021.627	20,494.849	22,047.985	23,456.043	24,802.130
Life fund	3,083.466	3,849.874	4,851.309	4,692.856	4,604.660
PPF fund	251.443	272.901	187.008	252.402	254.270
Group insurance fund	4,140.231	1,702.449	1,986.400	2,372.328	7,442.870
Credit from DMBs	2,501.198	1,621.262	1,207.097	455.894	(9.290)
Credit from NBFIs	3,595.224	3,452.485	2,621.500	2,621.500	2,499.000
Capital accounts	2,852.252	2,907.278	969.283	2,312.073	2,404.400
Other items (Net)	1,597.812	6,688.600	10,225.387	10,748.991	7,606.220

Note: With revision in classification starting from January 2011, Private Provident Fund (PPF), Group Insurance Fund and Life Insurance Fund are clubbed with Other Items Net based on new reporting format introduced by the Financial Regulation and Supervision Department of the RMA.

DMBs = Deposit Money Banks, NBFIs = Non Bank Financial Institutions. Copy to prev tab

Source: Monthly Statistics Bulletin, Royal Monetary Authority of Bhutan, Thimphu.

Table 12.1.10: Monetary and Financial Statistics of Bhutan Insurance Limited, December, 2016 - 2020

(Nu. in Million)

Item	2016	2017	2018	2019	2020
Assets Total	1,248.563	1,878.498	2,156.087	2,349.194	2,454.080
Reserves	109.460	191.892	297.963	190.772	188.590
Foreign assets	0.000	0.000	0.000	0.000	0.000
Indian rupee	0.000	0.000	0.000	0.000	0.000
Other currencies	0.000	0.000	0.000	0.000	0.000
Claims on Government	0.000	0.000	0.000	0.000	0.000
Claims on Govt. Corporations	0.000	0.000	0.000	0.000	0.000
Claims on public sector ¹	1.750	1.750	1.750	1.750	1.750
Claims on private sector	1,001.939	1,549.443	1,720.960	1,951.981	2,062.330
Claims on DMBs	75.413	75.413	75.413	138.691	135.410
Claims on NBFIs	60.000	60.000	60.000	66.000	66.000
Liabilities Total	1,248.563	1,878.498	2,156.087	2,349.194	2,454.080
General Insurance Reserve Fund	...	0.000	0.000	0.000	0.000
Life fund	...	0.000	0.000	0.000	0.000
PPF fund	...	0.000	0.000	0.000	0.000
Group Insurance Fund	0.000	0.000	885.670	863.050	996.020
Credit from DMBs	0.000	0.000	0.000	0.000	0.000
Credit from NBFIs	505.650	295.500	310.500	200.000	351.580
Capital accounts	506.468	558.082	601.218	689.140	742.330
Other items (Net)	236.445	1,024.916	358.702	597.000	364.140

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: Monthly Statistical Bulletin, Royal Monetary Authority of Bhutan, Thimphu.

**Table 12.1.11: Monetary and Financial Statistics of Royal Monetary Authority of Bhutan,
2016 - 2020**

(Nu. in Million)

Item	2016	2017	2018	2019	2020
Assets Total	78,200.662	77,975.194	69,911.040	86,555.808	108,688.840
Foreign assets	76,483.962	76,485.979	67,916.894	85,483.934	107,612.300
Indian rupee	21,604.323	26,617.344	15,725.526	20,640.196	28,744.210
Other currencies	54,879.639	49,868.635	52,191.368	64,843.738	78,868.090
Claims on DMBs	1,679.696	1,427.671	1,326.302	1,047.935	1,057.750
Claims on Government	0.000	27.923	638.001	0.000	0.000
Claims on Private Sector	37.004	33.621	29.843	23.938	18.790
Claims on NBFIs	0.000	0.000	0.000	0.000	0.000
Government Securities	0.000	0.000	0.000	0.000	0.000
Liabilities Total	78,200.660	77,975.194	69,911.040	86,555.808	108,688.840
Reserve Money	34,262.931	32,712.247	29,898.112	35,566.701	63,161.360
o/w Currency Outside Banks	8,318.928	8,767.080	9,171.411	10,946.716	11,614.520
Foreign Liabilities	7,000.000	7,046.138	7,000.000	14,107.623	7,000.000
Indian Rupee	7,000.000	7,046.138	7,000.000	14,107.623	7,000.000
Other Currencies	0.000	0.000	0.000	0.000	0.000
Government Deposits	11,118.319	0.000	6,848.351	11,415.951	13,399.340
RMA Bills Outstanding	0.000	0.000	0.000	0.000	0.000
Capital Accounts	3,422.870	3,858.360	5,713.230	3,983.880	3,329.950
Other Items (Net) ¹	22,396.540	24,827.460	20,451.350	21,481.660	21,798.180

Note: Starting from January 2003 onwards, a major reclassifications 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

¹ *Other Items (Net) includes money market instruments.*

Source: Monthly Statistical Bulletin, Royal Monetary Authority of Bhutan, Thimphu.

Table 12.1.12: Lending of Financial Institutions by Industry, Amounts Outstanding, 2016 - 2020

(In Million Nu.)

Industry	2016	2017	2018	2019	2020
Agriculture	4,630.57	5,690.27	5,857.00	6,274.68	6,380.34
Bank of Bhutan Ltd	36.51	58.8	150.4	211.77	212.64
Bhutan National Bank Ltd	0.42	0.4	48.4	83.4	72.7
Bhutan Development Bank Ltd	4,571.77	5606.0	5640.2	5904.5	6018.0
Druk PNB Bank Ltd	15.48	17.0	9.5	17.8	21.0
T Bank Ltd	2.42	0.0	1.0	2.3	1.9
Royal Insurance Corporation of Bhutan Ltd	0.70	3.8	3.5	51.6	52.8
Bhutan Insurance Ltd	3.28	4.2	4.1	3.4	1.3
Service and Tourism	16,757.79	22,905.26	28,744.17	37,106.23	38,605.40
Bank of Bhutan Ltd	4,061.62	7587.5	10686.7	13242.8	14869.3
Bhutan National Bank Ltd	483.87	4435.9	5268.4	9241.1	7534.1
Bhutan Development Bank Ltd	2,917.54	3102.1	2842.0	3242.8	3511.1
Druk PNB Bank Ltd	1,367.95	1692.2	2498.1	2772.9	3397.9
T Bank Ltd	4,083.31	490.7	784.9	1219.3	1732.6
Royal Insurance Corporation of Bhutan Ltd	3,763.09	5489.7	6596.4	7312.3	7506.3
Bhutan Insurance Ltd	80.40	107.3	67.7	75.1	54.1
Manufacturing	11,041.91	13,362.01	13,923.64	16,580.08	18,758.40
Bank of Bhutan Ltd	3,730.82	3753.9	3965.9	5032.6	6617.3
Bhutan National Bank Ltd	141.20	4729.3	4592.9	4172.2	4354.4
Bhutan Development Bank Ltd	797.49	934.5	848.2	1028.8	1039.8
Druk PNB Bank Ltd	734.09	1476.1	1857.4	2782.5	2958.7
T Bank Ltd	1,669.25	266.9	250.8	291.7	319.8
Royal Insurance Corporation of Bhutan Ltd	3,799.45	2034.6	2246.7	3086.6	3281.5
Bhutan Insurance Ltd	169.62	166.8	161.9	185.7	186.9
Building and Construction	20,304.32	23,421.99	28,634.50	37,160.11	40,912.10
Bank of Bhutan Ltd	5,456.67	6723.1	10073.2	14221.7	15536.8
Bhutan National Bank Ltd	1,034.83	7234.0	8267.2	10027.8	11087.3
Bhutan Development Bank Ltd	2,540.14	3094.8	3359.2	4010.1	4535.8
Druk PNB Bank Ltd	1,455.97	1635.5	1724.9	2630.3	3149.1
T Bank Ltd	2,817.88	1624.9	2194.4	2834.3	2979.2
Royal Insurance Corporation of Bhutan Ltd	6,862.91	2749.6	2673.6	2808.0	2817.4
Bhutan Insurance Ltd	135.93	360.2	342.0	627.9	806.5
Trade and Commerce	14,014.75	14,195.04	16,337.52	16,500.79	20,274.00
Bank of Bhutan Ltd	1,514.52	1759.3	2226.2	2898.6	2942.6
Bhutan National Bank Ltd	762.57	5938.2	6632.7	5293.1	8558.5
Bhutan Development Bank Ltd	1,614.40	1487.9	1415.0	1636.8	1948.6
Druk PNB Bank Ltd	414.74	436.7	1026.3	1412.0	1494.0
T Bank Ltd	3,394.72	783.9	849.9	976.6	1006.4
Royal Insurance Corporation of Bhutan Ltd	6,177.46	3592.0	3924.1	3981.1	4066.6

cont...

Table 12.1.12 cont...

Industry	2016	2017	2018	2019	2020
Bhutan Insurance Ltd	136.34	197.1	263.3	302.8	257.3
Transport	4,226.51	5,510.52	6,842.16	6,336.81	6,449.00
Bank of Bhutan Ltd	790.44	1,205.15	2,058.58	1,885.37	1,780.86
Bhutan National Bank Ltd	223.91	1,515.88	1,809.31	1,892.26	1,906.59
Bhutan Development Bank Ltd	1,063.81	1,293.66	1,116.04	961.50	1,197.66
Druk PNB Bank Ltd	127.77	121.38	159.76	147.77	136.64
T Bank Ltd	540.87	236.34	223.59	181.90	214.21
Royal Insurance Corporation of Bhutan Ltd	1,162.28	629.82	742.58	657.51	620.69
Bhutan Insurance Ltd	317.42	508.29	732.30	610.51	592.35
Personal Loans	13,019.93	13,001.07	13,561.05	14,559.75	14,506.54
Bank of Bhutan Ltd	5,399.93	5,309.12	5,510.17	6,089.15	6,150.95
Bhutan National Bank Ltd	755.37	1,259.33	1,141.04	1,597.10	1,253.51
Bhutan Development Bank Ltd	2,729.58	2,459.39	2,736.15	2,428.73	2,338.92
Druk PNB Bank Ltd	533.06	546.45	641.65	789.57	1,005.80
T Bank Ltd	2,377.43	985.06	1,275.33	1,598.26	1,709.25
Royal Insurance Corporation of Bhutan Ltd	1,148.31	2,317.10	2,172.49	1,971.74	1,935.70
Bhutan Insurance Ltd	76.25	124.62	84.22	85.19	112.41
Loan Against Shares	487.75	337.45	441.26	403.05	384.08
Bank of Bhutan Ltd	26.58	5.36	15.86	14.31	16.74
Bhutan National Bank Ltd	140.47	...	...	...	...
Bhutan Development Bank Ltd	...	...	...	...	...
Druk PNB Bank Ltd	104.32	99.09	131.15	1.21	0.90
T Bank Ltd	99.02	100.07	256.26	334.81	321.91
Royal Insurance Corporation of Bhutan Ltd	63.44	84.79	...	15.60	15.41
Bhutan Insurance Ltd	53.92	48.14	37.99	37.12	29.12
Government (Short term loans)	513.63	469.33	420.43	...	...
Bank of Bhutan Ltd	...	...	...	...	...
Bhutan National Bank Ltd	513.63	469.33	420.43	...	...
Bhutan Development Bank Ltd	...	...	...	...	...
Druk PNB Bank Ltd	...	...	...	...	...
T Bank Ltd	...	...	...	...	...
Royal Insurance Corporation of Bhutan Ltd	...	...	...	...	...
Bhutan Insurance Ltd	...	...	...	...	...
Credit Card	11.04	13.96	19.98	19.65	...
Bank of Bhutan Ltd	5.89	10.55	16.72	16.64	...
Bhutan National Bank Ltd	5.16	3.41	3.25	3.02	...
Bhutan Development Bank Ltd	...	...	...	...	...
Druk PNB Bank Ltd	...	...	...	...	...

cont...

Table 12.1.12 cont...

Industry	2016	2017	2018	2019	2020
T Bank Ltd	...	...	...	...	...
Royal Insurance Corporation of Bhutan Ltd	...	...	...	...	...
Bhutan Insurance Ltd	...	...	...	...	...
Others	3,400.60	4,431.70	4,668.10	4,157.40	3,151.61
Bank of Bhutan Ltd	492.29	801.56	939.70	1,085.90	1,054.38
Bhutan National Bank Ltd	1,132.07	1,137.53	889.95	614.02	394.11
Bhutan Development Bank Ltd	660.29	806.33	966.97	708.18	576.09
Druk PNB Bank Ltd	286.85	393.86	421.34	344.37	101.59
T Bank Ltd	328.89	771.76	806.78	650.42	304.14
Royal Insurance Corporation of Bhutan Ltd	471.46	487.77	615.88	730.21	698.97
Bhutan Insurance Ltd	28.77	32.89	27.51	24.36	22.33
Total	88,408.80	103,338.61	119,449.81	139,098.55	149,421.50

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 12.1.13: Interest Rates by Type of Deposits in Bank of Bhutan, 2016 - 2020

(Percent)

Type of Deposit	2016	2017	2018	2019	2020
Savings					
Saving deposit account	5.00	5.00	5.00	5.00	5.00
Empower savings account	...	...	...	...	5.25
Young savers account	5.00	5.00	5.00	5.00	5.00
Fixed Deposit (Individuals)					
3 months to less than 1 year	5.00	5.00	5.00	5.50	5.50
1 year to less than 2 years	6.75	6.75	6.50	6.75	6.75
2 years to less than 3 years	7.25	7.25	7.00	7.25	7.25
3 years less than 5 years	7.75	7.75	7.25	...	...
3 years less than 4 years	...	...	...	7.50	7.50
4 years less than 5 years	...	...	...	7.75	7.75
5 years less than 7 years	8.50	8.50	7.25	...	...
5 years less than 6 years	...	...	...	8.00	8.00
6 years less than 7 years	...	...	...	8.25	8.25
7 years and above	8.75	8.75	7.25	8.50	8.50
For Institutions & Companies					
1 month to less than 3 months	...	...	...	0.75	0.75
3 months to less than 6 months	...	...	...	1.50	1.50
6 months to less than 1 year	...	...	...	3.00	3.00
91 days to less than 1 year	...	...	...	...	...
1 year to less than 2 years	7.00	7.00	6.00	6.00	6.00
2 years to less than 3 years	7.50	7.50	6.50	6.50	6.50
3 years to less than 5 years	8.00	8.00	7.25	...	...
3 years to less than 4 years	...	...	...	7.25	7.25
4 years to less than 5 years	...	...	...	7.50	7.50
5 years to less than 6 years	...	...	...	7.75	7.75
5 years to less than 7 years	8.25	8.25	7.25	...	...
6 years to less than 7 years	...	...	...	8.00	8.00
7 years & above	8.50	8.75	7.25	8.25	8.25
Recurring Deposit Plus					
91 days to less than 1 year	5.00	5.00	4.75	4.75	4.75
1 year to less than 2 years	7.00	7.00	6.75	6.75	6.75
2 years to less than 3 years	7.50	7.50	7.25	7.25	7.25
3 years to less than 5 years	8.00	8.00	7.25	7.25	7.25
5 years to less than 7 years	8.50	8.50	7.25	7.25	7.25
7 years and above	8.75	8.75	7.25	7.25	7.25

cont...

Table 12.1.13 cont...

Type of Deposit	2016	2017	2018	2019	2020
Simple Recurring Deposit					
91 days to less than 1 year	...	5.00	5.00	5.00	5.00
1 year to less than 2 years	...	7.00	7.00	7.00	7.00
2 years to less than 3 years	...	7.50	7.25	7.25	7.25
3 years to less than 5 years	...	8.00	7.25	7.25	7.25
5 years to less than 7 years	...	8.50	7.25	7.25	7.25
7 years and above	...	8.75	7.25	7.25	7.25
Flexi Recurring Deposit					
91 days to less than 1 year	...	4.75	4.75	4.75	4.75
1 year to less than 2 years	...	6.75	6.75	6.75	6.75
2 years to less than 3 years	...	7.25	7.25	7.25	7.25
3 years to less than 5 years	...	7.75	7.25	7.25	7.25
5 years to less than 7 years	...	8.25	7.25	7.25	7.25
7 years and above	...	8.50	7.25	7.25	7.25

Note: Empower Savings was introduced since 1st February 2020.

Savings Account Minor was revamped to Young Savers Account since 10th November 2018.

Fixed Deposit interest rate was last revised on 19th September 2019.

Fixed Deposit Interest rate for Institutions & Companies are negotiable.

Recurring Deposit interest rate was last revised on 28th March 2018.

Flexi Recurring Deposit and Simple Recurring Deposit was introduced since 28th March, 2017.

Source: Bank of Bhutan, Thimphu

Table 12.1.14: Interest Rates and Repayment Period by Sector and Type of Loan, Bank of Bhutan Ltd., 2016 - 2020

Sector/Products	As of Sept. 2016		As of Sept. 2017				
	Max Tenor (Yrs)	Fixed Rate (%)	Max Tenor (Yrs)	Floating (%)	Floating reset -5yrs (%)	Fixed Rate (%)	
Agriculture							
Term	15	11.00	15	8.00	9.00	10.00	
Working capital	...	...	1	9.00	...	...	
Housing							
Non-commercial	20	13.00	15	8.00	10.00	11.00	
Commercial	20	11.00	20	9.00	11.00	13.00	
Personal							
Consumer loan	5	...	5	9.00	...	...	
Loan against shares	5	...	6	11.00	12.00	12.00	
Mortgage (loan against immovable assets)	5	...	5	9.00	...	...	
Others	1	...	1	13.00	...	...	
Festival advance	5	...	5	10.00	...	...	
Ladies plus	3	...	3	10.00	...	...	
Purchase of shares/security	6	13.00	6	11.00	12.00	13.00	
Settlement loan	1	...	1	10.00	...	...	
Service							
Hospitality/entertainment/recreational	15	12.00	15	10.00	11.00	12.00	
IT related business	15	11.00	15	8.00	10.00	11.00	
Setting up of an institution	15	11.00	15	8.00	10.00	11.00	
Transport (Tourism)	5	...	5	9.00	...	...	
Construction of hotel/resort/restaurant	15	13.00	15	8.00	10.00	11.00	
Set up of Hotel/Resort/Restaurant	15	11.00	15	8.00	10.00	11.00	
Workshops and automobiles	1	...	1	12.00	...	...	
Working capital			1	10.00	...	...	
Others							
Public transport	5	12.00	10	10.00	12.00	12.00	
Bridge / temporary loan	...	...	...	...	...	...	
Trade							
Trade & Comm-export packaging credit	1	...	1	10.00	...	...	
Trade & Comm-hiring units-machinery	5	...	5	10.00	...	...	
Trade & Comm-contractors and suppliers	3	...	3	11.00	...	...	

As of Sept. 2018				As of Sept. 2019				As of Dec 2020			
Max Tenor (Yrs)	Floating (%)	Floating reset -5yrs (%)	Fixed Rate (%)	Max Tenor (Yrs)	Floating (%)	Floating reset -5yrs (%)	Fixed Rate (%)	Max Tenor (Yrs)	Floating (%)	Floating reset -5yrs (%)	Fixed Rate (%)
15	8.00	9.00	10.00	15	8.00	9.00	11.00	15	8.20	9.30	10.80
1	9.00	...	...	1	9.00	...	...	1	9.40	...	...
20	8.00	10.00	11.00	20	8.00	10.00	11.00	20	8.00	9.90	10.70
20	9.00	11.00	13.00	20	9.00	11.00	13.00	20	8.90	10.70	12.90
5	9.00	...	...	5	9.00	...	...	5	8.50	...	...
5	11.00	12.00	12.00	5	11.00	12.00	13.00	5	10.80	12.10	12.90
5	9.00	...	...	5	9.00	...	...	5	9.30	...	...
1	13.00	...	...	1	13.00	...	...	1	13.00	...	...
5	9.00	...	...	5	9.00	...	...	5	9.50	...	...
	9.00	...	...	3	9.00	...	...	3	9.40	12.20	13.50
6	11.00	12.00	13.00	6	8.00	10.00	11.00	6	10.90	12.20	13.50
2	10.00	...	...	2	10.00	...	...	2	9.70	12.20	13.50
20	10.00	11.00	12.00	20	10.00	11.00	13.00	20	9.70	11.40	12.70
20	8.00	10.00	11.00	20	9.00	10.00	11.00	20	8.70	10.00	11.40
20	8.00	10.00	11.00	20	9.00	10.00	12.00	20	8.70	10.40	11.70
5	9.00	...	...	5	9.00			5	8.90	...	...
20	8.00	10.00	11.00	20	8.00	10.00	12.00	20	9.00	10.33	12.02
20	8.00	10.00	11.00	1	12.00	10.00	0.00	20	7.94	10.33	12.02
1	12.00	...	...	1	12.00	...	...	1	11.66	...	...
1	10.00	...	...	1	10.00	...	...	1	9.99	...	...
5	10.00	...	...	5	10.00	...	...	5	9.99	...	...
10	10.00	12.00	12.00	7	10.00	12.00	13.00	7	9.72	11.81	12.73
...	...	...	...	1	13.00	...	...	1	13.00	...	...
1	9.00	...	...	1	10.00	...	...	1	9.50	...	...
5	10.00	...	...	5	10.00	...	...	5	9.95	...	...
3	10.00	...	...	3	10.00	...	...	3	10.30	...	...

cont...

Table 12.1.13 cont...

Sector/Products	As of Sept. 2016		As of Sept. 2017				
	Max Tenor (Yrs)	Fixed Rate (%)	Max Tenor (Yrs)	Floating (%)	Floating reset -5 yrs (%)	Fixed Rate (%)	
Term loan	...	...	...	...	...	...	
Trade & Comm-wholesale and retail	1	...	1	11.00	...	...	
WC for business	...	...	...	...	...	...	
Transport							
Commercial	5	...	5	9.00	...	...	
Non-commercial	5	...	5	10.00	...	...	
Education							
Student loan	7	10.00	7	8.00	9.00	10.00	
Manufacturing							
Manufacturing	15	13.00	15	10.00	10.00	12.00	
WCL-manufacturing	...	...	...	...	...	...	
Hydropower term loan	...	...	...	...	...	...	
Renewable energy -term loan	...	...	...	...	...	...	
Mining and quarrying	15	12.00	15	9.00	11.00	12.00	
Bridge/ temporary loan	...	...	...	...	...	...	
Others							
Medical loan							

Note: COVID related loans are provided with the interest rate of 5% p.a in 2020

Floating: Interest rate is subject to change with the change in Minimum Lending Rate (MLR - published by RMA) which happens twice a year.

Floating - reset 5yrs: interest rate changes in every 5 years

Fixed rate: interest rate is fixed for the loan tenure. WCL: Working Capital Loans

Source: Bank of Bhutan Ltd., Thimphu

As of Sept. 2018				As of Sept. 2019				As of Dec 2020			
Max Tenor (Yrs)	Floating (%)	Floating reset -5yrs (%)	Fixed Rate (%)	Max Tenor (Yrs)	Floating (%)	Floating reset -5yrs (%)	Fixed Rate (%)	Max Tenor (Yrs)	Floating (%)	Floating reset -5yrs (%)	Fixed Rate (%)
10	10.00	11.00	12.00	10	10.00	11.00	12.00	10	10.21	10.76	12.36
1	11.00	...	...	1	11.00	...	...	1	11.14	...	...
1	...	...	...	1	9.00	...	...	1	9.23	...	...
5	9.00	...	...	5	9.00	...	...	5	9.20	...	...
5	9.00	...	...	5	9.00	...	...	5	9.44	...	...
7	7.00	9.00	10.00	7	8.00	10.00	11.00	7	7.98	9.80	10.59
20	10.00	10.00	12.00	20	10.00	11.00	13.00	20	9.98	10.74	12.72
1	11.00	...	...	1	10.00	...	...	1	9.97	...	...
20	10.00	10.00	12.00	20	8.00	10.00	10.00	20	8.00	9.80	10.28
20	10.00	10.00	12.00	20	8.00	9.00	9.00	20	8.00	9.40	9.45
20	...	11.00	12.00	20	11.00	10.00	13.00	20	10.87	10.50	12.72
...	...	...	...	1	13.00	...	...	1	13.00	...	...
									8.49	9.8	10.59

Table 12.1.15: Interest Rates of Deposits in Bhutan National Bank Ltd., 2016 - 2020

(Percent)

Type of Deposit	2016	2017	2018	2019	2020
Savings	5.00	5.00	5.00	5.00	5.00
Fixed Deposit (Retail)					
46 days to 90 days	2.50	NA	NA	NA	NA
91 days to 180 days	4.00	NA	NA	NA	NA
Less than 181 days	5.50	NA	NA	NA	NA
181 days to less than 1 year	7.00	5.50	5.50	5.50	5.50
1 year to less than 2 years	7.50	6.00	6.00	6.00	6.00
2 years to less than 3 years	8.00	6.50	6.50	6.50	6.50
3 years less than 4 years	8.25	7.25	7.25	7.25	7.25
4 years to less than 5 years	8.75	7.50	7.50	7.50	7.50
5 years to less than 6 years	9.00	7.75	7.75	7.75	7.75
5 years to less than 7 years	9.25	NA	NA	NA	NA
6 years to less than 7 years	NA	8.00	8.00	8.00	8.00
7 years to less than 8 years	NA	8.25	8.25	8.25	8.25
7 years to less than 10 years	9.00	NA	NA	NA	NA
8 years to less than 9 years	NA	8.50	8.50	8.50	8.50
9 years to less than 10 years	NA	8.75	8.75	8.75	8.75
10 years and above	9.25	9.00	9.00	9.00	9.00
Fixed Deposit (Corporate)					
46 days to less than 90 days	2.50	NA	NA	NA	NA
91 days to less than 180 days	4.00	Negotiable	Negotiable	Negotiable	NA
Less than 181 days	NA	Negotiable	Negotiable	Negotiable	NA
181 days to less than 1 year	5.50	Negotiable	Negotiable	Negotiable	NA
1 year to less than 2 years	7.00	5.00	5.00	5.00	NA
2 years to less than 3 years	7.50	6.00	6.00	6.00	NA
3 years less than 4 years	8.00	7.25	7.25	7.25	7.25
4 years to less than 5 years	8.25	7.50	7.50	7.50	7.50
5 years to less than 6 years	8.75	7.75	7.75	7.75	7.75
5 years to less than 7 years	8.75	8.75	NA	NA	NA
6 years to less than 7 years	8.75	8.00	8.00	8.00	8.00
7 years to less than 8 years	9.00	8.25	8.25	8.25	8.25
7 years to less than 10 years	9.00	NA	NA	NA	NA
8 years to less than 9 years	9.00	8.50	8.50	8.50	8.50
9 years to less than 10 years	9.00	8.75	8.75	8.75	8.75
10 years and above	9.25	9.00	9.00	9.00	9.00

cont...

Table 12.1.15 cont...

Type of Deposit	2016	2017	2018	2019	2020
Fixed Deposit (Plus)					
Less than 181 days	NA	NA	NA	NA	NA
181 days to less than 1 year	NA	NA	NA	NA	NA
1 year to less than 2 years	NA	NA	NA	NA	NA
2 years to less than 3 years	NA	NA	NA	NA	NA
3 years less than 4 years	NA	7.00	7.00	7.00	7.32
3 years less than 5 years	7.00	NA	NA	NA	NA
4 years to less than 5 years	NA	7.25	7.25	7.25	7.53
5 years to less than 6 years	NA	7.50	7.50	7.50	7.76
5 years to less than 7 years	7.10	NA	NA	NA	NA
6 years to less than 7 years	NA	7.75	7.75	7.75	7.98
7 years to less than 8 years	NA	8.00	8.00	8.00	8.21
7 years to less than 9 years	7.20	NA	NA	NA	NA
8 years to less than 9 years	NA	8.25	8.25	8.25	8.34
9 years to less than 10 years	7.40	8.50	8.50	8.50	8.43
10 years and above	7.00	8.75	8.75	8.75	8.66
Recurring Deposits					
1 year to less than 2 years	7.00	7.00	7.00	7.00	7.00
2 years to less than 3 years	7.50	7.50	7.50	7.50	7.50
3 years less than 5 years	8.00	8.00	8.00	8.00	8.00
5 years to less than 7 years	8.50	8.50	8.50	8.50	8.50
7 years and above	8.75	8.75	8.75	8.75	8.75

Source: Bhutan National Bank Ltd., Thimphu

Table 12.1.16: Interest Rates and Repayment Period by Sector and Type of Loan, Bhutan National Bank Ltd., 201

Sector/Products	2016			2017		
	Floating Interest Rate (% p.a)	Fixed Interest Rate (% p.a)	Repayment Period (Yrs)	Floating Interest Rate (% p.a)	Fixed Interest Rate (% p.a)	
Agriculture						
Crop cultivation	...	...	...	...	...	
Agro- processing	...	...	...	...	...	
Livestock farming	...	...	...	...	...	
Forestry	...	...	...	...	...	
Others	...	...	...	...	...	
Production & Manufacturing						
Hydro power	11.50	11.50	10	11.5	12.00	
Renewable energy	11.50	11.50	10	11.5	12.00	
Manufacturing enterprises	11.50	11.50	10	11.5	12.00	
Mining and quarrying	11.50	11.50	10	11.5	12.00	
Handicrafts & textile production***						
Wood based products	11.50	11.50	10	11.5	12.00	
Traditional and herbal medicines	...	...	...	...	...	
Others (Working capital)	12.50	13.00	1	12.5	13.00	
Service						
Tourism	10.00	13.00	20	0.10	10.00	
Hotels & restaurants	10.00	13.00	20	0.10	10.00	
ICT***						
Consultancy services						
Hospitality/entertainment/recreational services	10.00	13.00	20	12.00	13.00	
Institutional/educational services	10.00	0.13	20	10.00	13.00	
Health services & traditional medicines	...	...	...	...	...	
Non-construction (Contract)	11.00	13.00	1	11.00	13.00	
Construction (Contract based)	11.00	13.00	1	11.00	13.00	
Others	...	...	...	...	...	
Trade/Commerce						
Retail	11.00	13.00	5	11.00	13.00	
Wholesale	11.00	13.00	5	11.00	13.00	
Others (Overdraft)	12.00	13.00	1	12.00	13.00	
Loans to FI(s)						
Banks	...	Negotiable	1	...	Negotiable	
Non-banks	...	Negotiable	1	...	Negotiable	

, 2016 - 2020

Repayment Period (Yrs)	2018			2019			2020		
	Floating Interest Rate (% p.a)	Fixed Interest Rate (% p.a)	Repayment Period (Yrs)	Floating Interest Rate (% p.a)	Fixed Interest Rate (% p.a)	Repayment Period (Yrs)	Floating Interest Rate (% p.a)	Fixed Interest Rate (% p.a)	Repayment Period (Yrs)
...	8.00	...	5	8.00	...	5	8.00	...	5
...	9.00	...	5-15	9.00	...	5-15	9.00	...	5-15
...	8 - 8.50	...	5-15	8 - 8.50	...	5-15	8 - 8.50	...	5-15
...	9.00	...	5-15	9.00	...	5-15	9.00	...	5-15
...	8 - 8.50	...	5-15	8 - 8.50	...	5-15	8 - 8.50	...	5-15
10	12.00	12.00	10	12.00	...	...	12.00	...	...
10	12.00	12.00	10	12.00	...	...	12.00	...	...
10	12.00	12.00	10	12.00	...	...	12.00	...	...
10	12.00	12.00	10	12.00	12.00	10	12.00	12.00	10
10	12.00	12.00	10	12.00	...	...	12.00	...	...
...	...	...	...	...	...	...	...	...	...
1	13.00	13.00	1	13.00	...	...	13.00	...	...
20	9.00	13.00	20	9.00	13.00	20	9.00	13.00	20
20	9.00	13.00	20	9.00	13.00	20	9.00	13.00	20
20	9.00	13.00	20	9.00	9.00	20	9.00	9.00	20
20	9.00	0.13	20	9.00	9.00	20	9.00	9.00	20
...	...	...	...	...	...	...	...	...	...
1	11.00	13.00	1	11.00	13.00	1	11.00	13.00	1
1	11.00	13.00	1	11.00	13.00	1	11.00	13.00	1
...	...	...	...	...	...	...	...	...	...
5	11.00	13.00	5	11.00	13.00	5	11.00	13.00	5
5	11.00	13.00	5	11.00	13.00	5	11.00	13.00	5
1	12.00	13.00	1	12.00	13.00	1	12.00	13.00	1
1	...	Negotiable	1	...	Negotiable	1	...	Negotiable	1
1	...	Negotiable	1	...	Negotiable	1	...	Negotiable	1

cont...

Table 12.1.16 cont...

Sector/Products	2016			2017		
	Floating Interest Rate (% p.a)	Fixed Interest Rate (% p.a)	Repayment Period (Yrs)	Floating Interest Rate (% p.a)	Fixed Interest Rate (% p.a)	
Housing						
Home loans	9.00	0 - 11	5-20	9.00	11.00%	
Commercial loans	10.00	0 - 13	5-20	9.00	13.00%	
Transport						
Commercial	11.00	12.00	5	11.00	12.00%	
Non-commercial	11.00	12.00	5	11.00	12.00%	
Personal						
Mortgage loan	14.00	14.00	5	10.00	14.00%	
Consumer loan (GE loan)	11.00	10.00	5	11.00	9.50%	
Clean loan	...	...	...	...	...	
Credit loan	...	1.5 % per month	5	...	1.5% per month	
Loan against jewellery	14.00	14.00	5	14.00	14.00%	
Others	14.00	14.00	5	14.00	14.00%	
Education						
Education loan	...	...	...	...	...	
Loan Against Fixed Deposits						
Loan against fixed deposits	...	1% above TD interest rate	TD Term	...	1% above TD interest rate	
Loans to the Government						
Loans to government	...	Negotiable	1	...	Negotiable	
Others						
Medical loan	...	...	...	...	...	
Loan to purchase shares/securities	11.00	12.00	5	11.00	12.00	
Loan against shares	11.00	12.00	5	11.00	12.00	
Others	...	...	...	...	...	

Source: Bhutan National Bank Ltd., Thimphu

	2018			2019			2020		
Repayment Period (Yrs)	Floating Interest Rate (% p.a)	Fixed Interest Rate (% p.a)	Repayment Period (Yrs)	Floating Interest Rate (% p.a)	Fixed Interest Rate (% p.a)	Repayment Period (Yrs)	Floating Interest Rate (% p.a)	Fixed Interest Rate (% p.a)	Repayment Period (Yrs)
20	9.00	11.00	20	9.00	11.00	20	9.00	11.00	20
20	10.00	13.00	20	10.00	13.00	20	10.00	13.00	20
5	11.00	12.00	5	11.00	12.00	5	11.00	12.00	5
5	11.00	12.00	5	11.00	12.00	5	11.00	12.00	5
5	14.00	14.00	5	10.00	14.00	5	10.00	14.00	5
5	11.00	10.00	5	11.00	10.00	5	11.00	10.00	5
...	...	...	...	...	...	...	...	...	...
4	...	1.5% per month	4	...	1.5% per month	4	...	1.5% per month	4
5	14.00	14.00	5	14.00	14.00	5	14.00	14.00	5
5	14.00	14.00	5	14.00	14.00	5	14.00	14.00	5
...	...	...	...	...	...	...	...	...	...
TD Term	...	1% above TD interest rate	TD Term	...	1% above TD interest rate	TD Term	...	1% above TD interest rate	TD Term
1	...	Negotiable	1	...	Negotiable	1	...	Negotiable	1
...	...	...	...	...	...	...	...	...	...
5	11.00	12.00	5	11.00	12.00	5	11.00	12.00	5
5	11.00	12.00	5	11.00	12.00	5	11.00	12.00	5
...	...	...	...	...	...	...	...	...	...

Table 12.1.17: Interest Rates of Deposits in Druk PNB Bank Ltd., 2016 - 2020

(Percent)

Type of Deposit	2016	2017	2018	2019	2020
Savings	5.00	5.00	5.00	5.00	5.00
Fixed Deposit (Individual)					
3 months to less than 1 year	4.50	5.00	3.00	3.00	3.00
1 year to less than 2 years	6.50	6.50	6.50	6.50	6.50
2 years to less than 3 years	7.00	7.00	6.50	6.50	6.50
3 years less than 5 years	8.00	8.00	7.25	7.25	7.25
5 years less than 7 years	8.50	8.25	7.50	7.50	7.50
7 years and above	8.50	8.75	8.75	8.75	8.75
Fixed Deposit (Institutions & Companies)					
91 days to less than 1 year	4.00	3.00	2.00	2.00	2.00
1 year to less than 2 years	6.00	5.00	3.00	3.00	3.00
2 years to less than 3 years	7.00	5.00	4.00	4.00	4.00
3 years to less than 5 years	8.00	6.00	5.00	5.00	5.00
5 years to less than 7 years	8.50	7.00	5.00	5.00	5.00
7 years & above	8.50	7.00	5.00	5.00	5.00
Recurring Deposits					
91 days to less than 1 year	4.00	3.00	2.00	2.00	2.00
1 year to less than 2 years	6.00	5.00	3.00	3.00	3.00
2 years to less than 3 years	7.00	5.00	4.00	4.00	4.00
3 years to less than 5 years	8.00	6.00	5.00	5.00	5.00
5 years to less than 7 years	8.50	7.00	5.00	5.00	5.00
7 years & above	8.50	7.00	5.00	5.00	5.00

Source: Druk PNB Bank Ltd., Thimphu

Table 12.1.18: Interest Rates and Repayment Period by Sector and Type of Loan, Druk PNB Bank Ltd., 2016 - 2020

Sector/Products	As of Sept 2016			As of Sept 2017			As of Sept 2018			As of Jan 2019			As of Jan 2020		
	Floating Rate (%)	Semi-Fixed 3 yrs reset (%)	Fixed Rate (%)	Floating 12 Months (%)	Semi-Fixed 3 yrs reset (%)	Fixed rate - 5 yrs Review (%)	Floating 12 Months (%)	Semi-Fixed 3 yrs reset (%)	Fixed rate - 5 yrs Review (%)	Floating 12 Months (%)	Semi-Fixed 3 yrs reset (%)	Fixed rate - 5 yrs Review (%)	Floating 12 Months (%)	Semi-Fixed 3 yrs reset (%)	Fixed rate - 5 yrs Review (%)
Agriculture															
Agriculture	10.00	..	13.00	..	..	..	10.00	..	11.00	10.00	..	11.00	10.00	..	11.00
Credit aurantee scheme	10.00	..	12.00	..	..	..	..	..	..	..	..	..	..	..	..
Crop cultivation	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Agro processing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Livestock farming	..	..	..	10.00	..	11.00	10.00	..	11.00	10.00	..	11.00	10.00	..	11.00
Forestry	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
EDP/CGS	..	..	..	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Working capital	..	..	..	10.00	..	..	10.00	..	..	10.00	..	..	10.00	..	..
Others	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Housing															
Home loan (personal loan below 5 million)	10.00	11.00	13.00	10.00	10.00	11.00	9.00	9.00	10.00	..	..	..	..	..	..
Home loan (personal loan above 5 million)	..	..	..	..	..	..	9.00	10.00	11.00	..	..	..	..	..	..
Home loan (personal loan up to 10 million)	..	..	..	..	..	..	..	..	..	8.00	9.00	9.00	8.00	9.00	9.00
Commercial	11.00	11.00	13.00	10.00	10.00	11.00	10.00	10.00	11.00	10.00	10.00	11.00	10.00	10.00	11.00
Personal															
Mortgage loan	11.00	12.00	13.00	11.00	..	..	11.00	..	..	11.00	..	..	11.00	..	..
Consumer loan (salary based)	10.00	..	13.00	..	..	..	9.00	..	..	9.00	..	..	9.00	..	..
Personal loan to Govt. employees with check off facility	..	..	..	10.00	..	..	10.00	..	..	10.00	..	..	10.00	..	..
Clean Loan	..	..	..	14.00	..	..	14.00	..	..	14.00	..	..	14.00	..	..
Credit card	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

cont...

Table 12.1.18 cont...

Sector/Products	As of Sept 2016			As of Sept 2017			As of Sept 2018			As of Jan 2019			As of Jan 2020		
	Floating Rate (%)	Semi-Fixed 3 yrs reset (%)	Fixed Rate (%)	Floating 12 Months (%)	Semi-Fixed 3 yrs reset (%)	Fixed rate - 5 yrs Review (%)	Floating 12 Months (%)	Semi-Fixed 3 yrs reset (%)	Fixed rate - 5 yrs Review (%)	Floating 12 Months (%)	Semi-Fixed 3 yrs reset (%)	Fixed rate - 5 yrs Review (%)	Floating 12 Months (%)	Semi-Fixed 3 yrs reset (%)	Fixed rate - 5 yrs Review (%)
Loan against jewellery	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Others	14.00	..	14.00	14.00	..	..	14.00	..	..	14.00	..	..	14.00	..	..
Service & Tourism															
Service & tourism	11.00	12.00	13.00	..	..	..	..	..	..	..	..	..	..	..	..
Credit guarantee scheme	10.00	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tourism	..	..	..	10.00	11.00	11.00	10.00	11.00	11.00	10.00	11.00	11.00	10.00	11.00	11.00
Hotels & restaurants	..	..	..	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
ICT	..	..	..	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
Consultancy services	..	..	..	10.00	11.00	11.00	10.00	11.00	11.00	10.00	11.00	11.00	10.00	11.00	11.00
Hospitality, Entertainment & Recreation	..	..	..	11.00	12.00	12.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
Institutional/ education services	..	..	..	11.00	12.00	12.00	11.00	12.00	12.00	11.00	12.00	12.00	11.00	12.00	12.00
Health Services & Traditional Medicines	..	..	..	11.00	12.00	12.00	11.00	12.00	12.00	11.00	12.00	12.00	11.00	12.00	12.00
Trade & Commerce															
Trade & commerce	13.00	..	14.00	..	..	..	..	..	..	..	..	..	..	..	..
Export packing	11.00	..	13.00	..	..	..	..	..	..	..	..	..	..	..	..
Retail	..	..	..	12.00	..	..	12.00	..	..	12.00	..	..	12.00	..	..
Wholesale	..	..	..	12.00	..	..	12.00	..	..	12.00	..	..	12.00	..	..
EPC	..	..	..	11.00	..	..	11.00	..	..	11.00	..	..	11.00	..	..
Overdraft against IP	..	..	..	12.00	..	..	12.00	..	..	12.00	..	..	12.00	..	..
Others	..	..	..	13.00	..	..	13.00	..	..	13.00	..	..	13.00	..	..
Transport															

cont...

Table 12.1.18 cont...

Sector/Products	As of Sept 2016			As of Sept 2017			As of Sept 2018			As of Jan 2019			As of Jan 2020		
	Floating Rate (%)	Semi-Fixed 3 yrs reset (%)	Fixed Rate (%)	Floating 12 Months (%)	Semi-Fixed 3 yrs reset (%)	Fixed rate - 5 yrs Review (%)	Floating 12 Months (%)	Semi-Fixed 3 yrs reset (%)	Fixed rate - 5 yrs Review (%)	Floating 12 Months (%)	Semi-Fixed 3 yrs reset (%)	Fixed rate - 5 yrs Review (%)	Floating 12 Months (%)	Semi-Fixed 3 yrs reset (%)	Fixed rate - 5 yrs Review (%)
Commercial (Heavy & lights)	11.00	11.00	13.00	11.00	..	..	11.00	..	..	11.00	..	..	11.00	..	..
Non-commercial															
Govt. employee (Salary based)	10.00	..	13.00	10.00	..	..	10.00	..	..	10.00	..	..	10.00	..	..
Private and others	10.00	..	13.00	10.00	..	..	10.00	..	..	10.00	..	..	10.00	..	..
Working capital	..	..	..	11.00	..	..	11.00	..	..	11.00	..	..	11.00	..	..
Education															
Education	11.00	12.00	13.00	12.00	..	..	12.00	..	..	12.00	..	..	12.00	..	..
Corporations															
Govt. owned/ guaranteed (50%)	..	..	..	9.00	..	..	9.00	..	..	9.00	..	..	9.00	..	..
Govt. owned/ guaranteed (= or)	..	..	..	10.00	..	..	10.00	..	..	10.00	..	..	10.00	..	..
Financial institutions															
Banks	..	..	..	9.00	..	..	9.00	..	..	9.00	..	..	9.00	..	..
Non-banks	..	..	..	10.00	..	..	10.00	..	..	10.00	..	..	10.00	..	..
Working capital	..	..	..	10.00	..	..	10.00	..	..	10.00	..	..	10.00	..	..
Production & Manufacturing															
Production & manufacturing	11.00	12.00	13.00	..	..	..	..	..	..	..	..	..	..	..	..
Credit guarantee scheme/ EDP	10.00	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Export packing	11.00	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hydro power	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

cont...

Table 12.1.18 cont...

Sector/Products	As of Sept 2016			As of Sept 2017			As of Sept 2018			As of Jan 2019			As of Jan 2020		
	Floating Rate (%)	Semi-Fixed 3 yrs reset (%)	Fixed Rate (%)	Floating 12 Months (%)	Semi-Fixed 3 yrs reset (%)	Fixed rate - 5 yrs Review (%)	Floating 12 Months (%)	Semi-Fixed 3 yrs reset (%)	Fixed rate - 5 yrs Review (%)	Floating 12 Months (%)	Semi-Fixed 3 yrs reset (%)	Fixed rate - 5 yrs Review (%)	Floating 12 Months (%)	Semi-Fixed 3 yrs reset (%)	Fixed rate - 5 yrs Review (%)
Renewable energy	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Manufacturing enterprises	..	..	..	11.00	12.00	12.00	11.00	12.00	12.00	11.00	12.00	12.00	11.00	12.00	12.00
Mining & quarrying	..	..	..	11.00	12.00	13.00	11.00	12.00	13.00	11.00	12.00	13.00	11.00	12.00	13.00
Handicrafts & textile productions	..	..	..	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
Wood based products	..	..	..	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
Traditional and herbal medicines	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other EDP	..	..	..	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
EPC	..	..	..	11.00	..	..	11.00	..	..	11.00	..	..	11.00	..	..
Working capital	..	..	..	11.00	..	..	11.00	..	..	11.00	..	..	11.00	..	..
Other (Transport)	..	..	..	11.00	..	..	11.00	12.00	12.00	11.00	12.00	12.00	11.00	12.00	12.00
Contract & Supply Order															
Contract & supply order	12.00	..	14.00	..	..	..	..	..	..	..	..	..	..	..	..
Contract (Non construction)	..	..	..	11.00	..	..	11.00	..	..	11.00	..	..	11.00	..	..
Contract (Construction)	..	..	..	12.00	..	..	12.00	..	..	12.00	..	..	12.00	..	..
EDP/CGS	..	..	..	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Working capital	..	..	..	12.00	..	..	12.00	..	..	12.00	..	..	12.00	..	..
Others	..	..	..	12.00	..	..	12.00	..	..	12.00	..	..	12.00	..	..
Others															
Share loan & others	11.00	12.00	13.00	..	..	..	..	..	..	..	..	..	..	..	..
Medical loan	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

cont...

Table 12.1.18 cont...

Sector/Products	As of Sept 2016			As of Sept 2017			As of Sept 2018			As of Jan 2019			As of Jan 2020		
	Floating Rate (%)	Semi-Fixed 3 yrs reset (%)	Fixed Rate (%)	Floating 12 Months (%)	Semi-Fixed 3 yrs reset (%)	Fixed rate - 5 yrs Review (%)	Floating 12 Months (%)	Semi-Fixed 3 yrs reset (%)	Fixed rate - 5 yrs Review (%)	Floating 12 Months (%)	Semi-Fixed 3 yrs reset (%)	Fixed rate - 5 yrs Review (%)	Floating 12 Months (%)	Semi-Fixed 3 yrs reset (%)	Fixed rate - 5 yrs Review (%)
Purchase shares/securities	..	..	..	11.00	11.00	12.00	11.00	12.00	12.00	11.00	12.00	12.00	11.00	12.00	12.00
Against shares	..	..	..	11.00	12.00	12.00	11.00	12.00	12.00	11.00	12.00	12.00	11.00	12.00	12.00
Overdraft	..	..	..	11.00	..	..	11.00	..	..	11.00	..	..	11.00	..	..
Others (PBRD)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
MLR Exempted (Staff Incentives only)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Vehicle loan	..	..	..	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Housing loan	..	..	..	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Festival loan	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Soft loan	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Establishment loan	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
OD facilities	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Others	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Loan against Deposits	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Own deposits	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Third party deposits	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
PSL	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Source: Druk PNB Bank Ltd., Thimphu

Table 12.1.19: Interest Rates of Deposits in Bhutan Development Bank Ltd., 2016 - 2020

(Percent)

Type of Deposit	2016*	2017**	2018***	2019****	2020
Savings					
Normal savings	6.00	6.00	5.75	5.60	0.06
Drinchen Ama savings	6.50	6.50	5.75	5.60	0.06
Fixed Deposit (Individual)					
3 months to 4 months	6.50	6.50	5.90	5.90	5.90
4 months to 6 months	6.50	6.50	5.90	5.90	5.90
6 months to 9 months	7.00	7.00	5.90	5.90	5.90
9 months to 1 year	7.00	7.00	6.00	6.00	6.00
1 year to 2 years	7.50	7.50	7.00	7.00	7.00
2 years to 3 years	8.00	8.00	7.50	7.30	7.30
3 years to 4 years	8.50	8.50	8.00	8.00	8.00
4 years to 5 years	8.75	8.75	8.25	8.00	8.00
5 years to 6 years	9.25	9.25	8.50	8.30	8.30
6 years to 7 years	9.25	9.25	8.60	8.30	8.30
7 years to 8 years	9.50	9.50	9.10	8.75	8.75
8 years to 9 years	9.50	9.50	9.25	8.80	8.80
9 years to 10 years	9.50	9.50	9.35	8.90	8.90
Above 10 years	10.00	10.00	9.50	9.10	9.10
For Institutions & Companies					
46 days to 3 months	0.00	...	...	...	...
3 months to 4 months	...	...	4.25	2.00	2.00
3 months to 6 months	5.00	4.50	...	...	2.00
4 months to 6 months	...	...	4.50	2.00	2.00
6 months to 9 months	6.00	5.00	5.00	3.00	3.00
9 months to 1 year	6.50	6.00	5.50	3.50	3.50
1 year to 2 years	7.00	7.00	6.50	5.25	5.25
2 years to 3 years	7.50	7.50	7.00	6.25	6.25
3 years to 4 years	8.15	8.15	7.50	7.35	7.35
4 years to 5 years	8.30	8.30	7.75	7.60	7.60
5 years to 6 years	...	...	8.00	7.85	7.85
5 years to 7 years	8.75	8.75	...	...	...
6 years to 7 years	...	...	8.25	8.15	8.15
7 years to 8 years	...	...	8.50	8.35	8.35
7 years to 10 years	9.00	9.00	...	...	...
8 years to 9 years	...	...	8.75	8.60	8.60
9 years to 10 years	...	...	9.00	8.80	8.80
Above 10 years	9.25	9.25	9.25	9.10	9.10

cont...

Table 12.1.19 cont...

Type of Deposit	2016*	2017**	2018***	2019****	2020
Recurring Deposits					
46 days to 3 months	...	...	...	...	...
3 months to 4 months	...	...	...	...	...
3 months to 6 months	...	...	...	...	...
4 months to 6 months	...	...	...	...	...
6 months to 9 months	7.00	7.00	5.75	5.75	5.75
9 months to 1 year	7.00	7.00	6.00	6.00	6.00
1 year to 2 years	7.50	7.50	7.00	7.00	7.00
2 years to 3 years	7.50	7.50	7.50	7.50	7.50
3 years to 4 years	8.00	8.00	8.00	8.00	8.00
4 years to 5 years	8.75	8.75	8.25	8.25	8.25
5 years to 6 years	8.75	8.75	8.50	8.50	8.50
5 years to 7 years	...	...	...	...	...
6 years to 7 years	8.75	8.75	8.60	8.60	8.60
7 years to 8 years	8.75	8.75	8.80	8.80	8.80
7 years to 10 years	...	...	...	...	...
8 years to 9 years	...	...	...	...	...
9 years to 10 years	8.75	8.75	9.00	9.00	9.00
Above 10 years	8.75	8.75	9.25	9.10	9.10

Note: *Fixed deposit of Institutions & Companies for the year 2016 is with effect from 15th April 2016

**Fixed deposit of Institutions & Companies for the year 2017 is with effect from 2nd Feb 2017..

***Fixed deposit of Institutions & Companies for the year 2018 is with effect from 1st April 2018.

****Fixed Deposit of Individual for the year 2019 is with effect from 1st July 2019.

Source: Bhutan Development Bank Ltd., Thimphu

Table 12.1.20: Interest Rates and Repayment Period by Sector and Type of Loan, Bhutan Development Bank Ltd, 2016 - 2020

Sector/Products	2016		2017		2018		2019		2020	
	Interest Rate (% p.a)	Repayment Period (Yrs)	Interest Rate (% p.a)	Repayment Period (Yrs)	Interest Rate (% p.a)	Repayment Period (Yrs)	Interest Rate (% p.a)	Repayment Period (Yrs)	Interest Rate (% p.a)	Repayment Period (Yrs)
Agriculture & Animal Husbandry										
Agriculture loan	11.00	5	10.00	5	10.00	5	10.00	5	10.25	5
Animal husbandry loan	0.00	0	11.00	10	11.00	10	11.00	10	10.50	5 to 10
DAMC cooperative revolving loan	10.00	5	10.00	5	10.00	5	10.00	5	10.00	5
Group seasonal loan	10.00	1	10.00	1	10.00	1	10.00	1	10.00	1
Group term loan	10.00	5	10.00	5	10.00	5	10.00	5	10.00	5
Resettlement term loan	10.00	1	10.00	5	10.00	5	10.00	5	10.00	5
Seasonal loan	12.00	1	12.00	1	12.00	1	12.00	1	11.55	1
Co-operative loan	...	...	12.00	5	12.00	5	12.00	5	12.00	5
Housing Loan										
Home	...	...	10.00	5	10.00	5	10.00	5	10.00	5
	...	...	10.00	10	10.00	10	10.00	10	10.25	10
	...	...	11.00	20	11.00	20	11.00	20	10.50	20
Commercial	11.00	5	11.00	5	11.00	5	11.00	5	10.50	5
	12.00	10	11.00	10	11.00	10	11.00	10	11.00	10
	13.00	20	11.00	20	11.00	20	11.00	20	11.25	20
Personal Loan										
Consumer loan	10.00	5	10.00	5	10.00	5	10.00	5	9.50	5
Personal loan	14.00	5	14.00	5	14.00	5	14.00	5	13.50	5
Home settlement loan	10.00	5	10.00	5	10.00	5	10.00	5	9.50	5
Staff Loan										

cont...

Table 12.1.20 cont...

Sector/Products	2016		2017		2018		2019		2020	
	Interest Rate (% p.a)	Repayment Period (Yrs)	Interest Rate (% p.a)	Repayment Period (Yrs)	Interest Rate (% p.a)	Repayment Period (Yrs)	Interest Rate (% p.a)	Repayment Period (Yrs)	Interest Rate (% p.a)	Repayment Period (Yrs)
Staff loan- Housing	..	..	5.00	5, 10, 20	5.00	5,10,20	5.00	5,10,20	5.00	20
Staff loan- Transport	..	..	5.00	5	5.00	5	5.00	5	5.00	5
Staff Loan- Others	..	..	5.00	..	5.00	..	5.00	..	..	..
Invoked BG loan										
Service Loan										
Service & tourism loan	11.00	5	11.00	5	11.00	5	11.00	5	10.70	5
	12.00	10	11.00	10	11.00	10	11.00	10	11.00	10
	13.00	20	11.00	20	11.00	20	11.00	20	11.20	20
Service & tourism loan										
EDP Loan	..	..	10.00	10	10.00	10	10.00	10	10.00	10
Construction loan	12.00	5	12.00	5	12.00	5	12.00	5	12.20	5
Trade & Commerce										
General trade loan	13.00	5	12.00	5	12.00	5	12.00	5	12.25	5
Micro enterprise loan (BCCI scheme)	12.00	5	12.00	3	12.00	3	12.00	3	12.00	3
BCCI SME revolving loan	10.00	5	10.00	3	10.00	3	10.00	3	10.00	3
Working capital (OD)	12.00	1	12.00	1	12.00	1	12.00	1	12.00	1
Overdraft general	12.00	1	12.00	1	12.00	1	12.00	1	12.00	1
Transport Loan										
Transport	13.00	5	13.00	5	13.00	5	13.00	5	12.50	5

cont...

Table 12.1.20 cont...

Sector/Products	2016		2017		2018		2019		2020	
	Interest Rate (% p.a)	Repayment Period (Yrs)	Interest Rate (% p.a)	Repayment Period (Yrs)	Interest Rate (% p.a)	Repayment Period (Yrs)	Interest Rate (% p.a)	Repayment Period (Yrs)	Interest Rate (% p.a)	Repayment Period (Yrs)
Education Loan										
Education loan	12.00	5	10.00	5	10.00	5	10.00	5	10.00	5
Education and skill enhancement loan	...	...	...	...	...	...	14.00	6 months	...	...
OSSED loan	...	...	8.00	5	8.00	5	8.00	5	8.00	5
Production & Manufacturing										
Manufacturing and industrial loan	11.00	5	11.00	5	11.00	5	11.00	5	11.30	5
	12.00	10	12.00	10	12.00	10	12.00	10	12.30	10
Small scale industrial loan	12.00	5	11.00	5	11.00	5	11.00	5	11.30	5
	...	...	12.00	10	12.00	10	12.00	10	11.50	10
Working capital (Term loan)	12.00	1	12.00	1	12.00	1	12.00	1	12.00	1
Share/Equity										
Purchase of share /equity	...	...	12.00	5	13.00	5	13.00	5	11.50	5
Loan Against Fixed Deposit										
Loan against corporate deposit										
Loan against fixed deposit										
Inter Bank Borrowing										
Inter bank lending	...	...	...	...	...	...	...	...	...	...
Loan to the Government										
Loan to the Government	...	...	...	...	...	...	...	...	...	...

Source: Bhutan Development Bank Ltd. Thimphu

Table 12.1.21: Interest Rates of Deposits in T - Bank Ltd., 2016 - 2020

Type of Deposit	2016	2017	2018	2019	2020
Savings	5.00	5.00	5.25	5.75	5.25
Fixed Deposit (Individual)					
45 days	2.50	2.50	...	...	...
60 days	3.00	3.00	...	...	...
90 days	4.00	3.50	...	...	...
91 days to less than 120 days	5.00	4.25	5.00	5.00	5.00
120 days to less than 180 days	5.25	4.50	5.00	5.00	5.00
180 days to less than 270 days	5.75	5.75	5.50	5.50	5.50
270 days to less than 1 year	6.00	6.00	5.50	5.75	5.75
1 year to less than 2 years	7.00	7.00	6.75	6.75	6.75
2 years to less than 3 years	7.50	7.50	7.25	7.25	7.25
3 years to less than 4 years	8.00	8.00	8.00	8.00	8.00
4 years to less than 5 years	8.25	8.25	8.00	8.00	8.00
5 years to less than 6 years	8.50	8.50	8.25	8.25	8.25
7 years to less than 10 years	9.00	9.00	8.50	8.50	8.50
10 years and above	9.50	9.50	9.00	9.00	9.00
Fixed Deposit (Corporate)					
45 days	2.50	2.50	2.00	2.00	2.00
60 days	3.00	3.00	2.25	2.25	2.25
90 days	4.00	3.50	2.50	2.50	2.50
91 days to less than 120 days	5.00	4.25	2.75	2.75	2.75
120 days to less than 180 days	5.25	4.50	3.00	3.00	3.00
180 days to less than 270 days	5.75	5.75	3.50	3.50	3.50
270 days to less than 1 year	6.00	6.00	4.00	4.00	4.00
1 year to less than 2 years	7.00	7.00	5.25	5.25	5.25
2 years to less than 3 years	7.50	7.50	6.25	6.25	6.25
3 years to less than 4 years	8.00	8.00	7.25	7.25	7.25
4 years to less than 5 years	8.25	8.25	7.50	7.50	7.50
5 years to less than 6 years	8.50	8.50	8.00	8.00	8.00
7 years to less than 10 years	9.00	9.00	8.50	8.50	8.50
10 years and above	9.50	9.50	8.50	8.50	8.50
Recurring Deposits					
45 days	2.00	2.50	2.50	...	...
60 days	2.50	3.00	3.00	...	...
90 days	3.00	4.00	3.50	...	...
91 days to less than 120 days	5.00	5.00	4.25	5.00	5.00
120 days to less than 180 days	5.25	5.25	4.50	5.00	5.00
180 days to less than 270 days	5.75	5.75	5.75	5.50	5.50
270 days to less than 1 year	6.00	6.00	6.00	5.50	5.75

cont...

Table 12.1.21 cont...

Type of Deposit	2016	2017	2018	2019	2020
1 year to less than 2 years	7.00	7.00	7.00	6.75	6.75
2 years to less than 3 years	7.50	7.50	7.50	7.25	7.25
3 years to less than 4 years	8.00	8.00	8.00	8.00	8.00
4 years to less than 5 years	8.25	8.25	8.25	8.00	8.00
5 years to less than 6 years	8.50	8.50	8.50	8.25	8.25
7 years to less than 10 years	8.75	9.00	9.00	8.50	8.50
10 years and above	9.25	9.50	9.50	9.00	9.00

Source: T - Bank Ltd., Thimphu

Table 12.1.22: Interest Rates and Repayment Period by Sector and Type of Loan, T - Bank Ltd., 2016 - 2020

Sector/Products	2016			2017			2018			2019			2020		
	Max Tenor (Yrs)	Fixed Rate (%)	Max Tenor (Yrs)	Max Tenor (Yrs)	Fixed Rate (%)	Max Tenor (Yrs)	Max Tenor (Yrs)	Fixed Rate (%)	Float- ing Rate (%)	Max Tenor (Yrs)	Fixed Rate (%)	Float- ing Rate (%)	Max Tenor (Yrs)	Fixed Rate (%)	Float- ing Rate (%)
Agriculture	...	...	...	...	...	...	5	8.00	...	5	8.00	...	5	8.00	...
PSL agriculture	...	...	...	...	...	...	5	8.00	...	5	8.00	...	5	8.00	...
Housing															
Home loan	20	10.45	20	20	9.50	20	20	9.50	9.25	20	11.00	9.25	20	11.00	10.00
Commercial	20	10.50	20	20	10.00	20	20	10.00	9.75	20	11.00	9.75	20	11.00	10.00
Personal															
Consumer loan	5	9.65	5	5	9.30	5	5	9.30	9.00	5	...	8.75	5	...	9.00
Mortgage loan	7	13.00	5	5	13.00	5	5	13.00	12.50	5	...	12.50	5	...	13.00
Computer / Gadget Loan	2	11.00	2	2	11.00	2	2	11.00	11.00	2	...	11.00	2	...	11.00
Personal loan	7	13.50	5	5	13.50	5	5	13.50	13.00	5	...	13.00	5	...	13.00
Festival loan	...	...	...	...	...	...	...	...	...	5	...	13.00	5	...	9.00
Service															
Service & tourism	20	11.20	20	20	9.25	20	20	9.25	8.50	20	9.25	8.50	20	10.00	9.00
Service & tourism	10	10.70	10	10	9.50	10	10	9.50	8.75	10	9.50	8.75	10	10.00	9.00
Working capital for service & tourism	7	13.00	7	7	13.00	7	7	13.00	12.50	7	13.00	12.50	1	...	11.00
Trading															
Trade & commerce loan	7	13.00	7	7	13.00	7	7	13.00	12.50	7	13.00	12.50	10	13.00	13.00
Loan to SME	5	10.75	5	5	10.75	5	5	10.75	10.75	5	...	10.75	5	...	11.00
Overdraft for trade & commerce	1	12.00	1	1	12.00	1	1	12.00	12.00	1	...	12.00	1	...	13.00
PLS Non-Agriculture	...	...	...	...	...	...	10	8.50	...	10	8.50	...	10	9.00	...
Transport															
Earth moving equipment	5	12.50	5	5	12.50	5	5	12.50	12.25	5	...	12.25	5	...	13.00
Transport heavy (Commercial)	5	10.95	5	5	10.95	5	5	10.95	10.75	5	...	10.75	5	...	11.00

cont...

Table 12.1.22 cont...

Sector/Products	2016		2017		2018			2019		2020		
	Max Tenor (Yrs)	Fixed Rate (%)	Max Tenor (Yrs)	Fixed Rate (%)	Max Tenor (Yrs)	Fixed Rate (%)	Floating Rate (%)	Max Tenor (Yrs)	Fixed Rate (%)	Max Tenor (Yrs)	Fixed Rate (%)	Floating Rate (%)
Transport for tourism	5	10.45	5	10.45	5	10.45	10.25	5	...	5	...	10.00
Transport public bus	5	10.45	5	10.45	5	10.45	10.25	5	...	5	...	10.00
Transport light (Commercial)	5	11.45	5	11.75	5	11.75	11.50	5	...	5	...	12.00
Transport light (Non-Commercial)	5	9.85	5	9.85	5	9.85	9.65	5	...	5	...	10.00
Education												
Education loan	5	13.00	5	13.00	5	13.00	12.00	5	...	5	...	12.00
Production & Manufacturing												
Manufacturing and industry	10	12.00	15	11.00	15	11.00	10.00	15	11.00	15	11.00	10.00
Working capital for manufacturing & industry	1	12.00	1	11.00	1	11.00	11.00	1	...	1	...	11.00
Others												
Loan against shares	7	11.50	7	11.50	10	10.90	10.75	10	10.90	10	11.00	11.00

Source: T - Bank Ltd., Thimphu

Table 12.1.23: Interest Rates and Repayment Period by Sector and Type of Loan, National CSI Development Bank Ltd., 2020

Sector/Products	2020	
	Max tenor (Yrs)	Fixed Rate (%)
Micro Loan		
Agriculture	5	2.0
Livestock	5	2.0
Manufacturing & production	5	2.0
Services	5	2.0
Cottage and Small Industry		
Agriculture	10	7.0
Livestock	10	7.0
Manufacturing & production	10	7.0
Services	10	7.0
Export Financing		
Seasonal	1	8.0
Non-seasonal	1	8.0
Working Capital	5	4.0

Note: The data is with effect from February 2020 till December 2020 with the Bank formally operated.

Source: National CSI Development Bank Ltd., Paro

Table 12.1.24: Development of Insurance Sector in Bhutan

Type of Insurance	Royal Insurance Corporation Ltd.					Bhutan Insurance Ltd.				
	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020
General Insurance										
Market portfolio	Competing with BIL	Competing with BIL	Competing with BIL	Competing with BIL	Competing with BIL	Competing with RICBL	Competing with RICBL	Competing with RICBL	Competing with RICBL	Competing with RICBL
Density of insurance ¹ (Nu.)	1179.16	1419.06	1623.48	1675.32	2565.31	502.36	542.44	533.68	434.86	426.56
Market penetration ² (%)	0.62	0.65	0.71	0.70	0.63	0.26	0.25	0.23	0.18	0.00
Life Insurance										
Market portfolio	Monopoly (100% Market Share)	Monopoly (100% Market Share)	Monopoly (100% Market Share)	Monopoly (100% Market Share)	Monopoly (100% Market Share)	...	...	...	...	...
Density of insurance ¹ (Nu.)	1293.47	1370.94	1491.49	1415.9	1431.84	...	...	...	...	...
Market penetration ² (%)	0.69	0.62	0.65	0.59	0.01	...	...	...	...	...

Note: ¹Density of Insurance is calculated as the ratio of total premiums to total population in a given year.

²Insurance penetration is calculated as the ratio of total insurance premiums to gross domestic product in a given year.

There is no Life Insurance at BIL therefore datas are not applicable.

Source: Royal Insurance Corporation of Bhutan Ltd. & Bhutan Insurance Ltd., Thimphu

Table 12.1.25: General Insurance Business, 2019 and 2020

Class of Business	Details	2019		2020	
		RICBL	BIL	RICBL	BIL
Motor	Number of policies	41,777	13,449	37,916	12,607
	Gross Premium (Nu. in Million)	427.969	140.073	378.777	122.258
	Premium ceded to RI (Nu. in Million)	8.094	38.145	10.871	33.255
	Percentage of premium ceded to RI	1.89	27.00	2.87	27.00
	Gross sum insured (Nu. in Million)	24,245.459	...	22,568.375	...
	Total sum reinsured (Nu. in Million)	...	...	...	...
	Percentage of SI ceded to RI	...	...	...	...
Fire	Number of policies	9,443	3,906	9,844	4,095
	Gross Premium (Nu. in Million)	377.775	126.001	421.965	150.224
	Premium ceded to RI (Nu. in Million)	519.928	66.176	509.511	73.457
	Percentage of premium ceded to RI	77.15	53.00	58.45	49.00
	Gross sum insured (Nu. in Million)	227,838.617	...	251,759.522	...
	Total sum reinsured (Nu. in Million)	162,877.346	...	173,924.436	...
	Percentage of SI ceded to RI	71.49	...	69.08	...
Marine	Number of policies	607.00	229.00	507.00	275.00
	Gross Premium (Nu. in Million)	22.710	6.573	16.115	5.291
	Premium ceded to RI (Nu. in Million)	4.445	3.546	3.062	2.096
	Percentage of premium ceded to RI	11.38	54.00	0.07	40.00
	Gross sum insured (Nu. in Million)	14,509.114	...	6,342.698	...
	Total sum reinsured (Nu. in Million)	5,083.978	...	295.321	...
	Percentage of SI ceded to RI	35.04	...	4.66	...
Misc	Number of policies	13,612.00	1,649.00	5,898.00	1,712.00
	Gross Premium (Nu. in Million)	54.476	49.878	43.287	41.691
	Premium ceded to RI (Nu. in Million)	34.275	36.675	15.947	33.522
	Percentage of premium ceded to RI	45.85	74.00	23.12	80.00
	Gross sum insured (Nu. in Million)	30,585.284	...	22,789.981	...
	Total sum reinsured (Nu. in Million)	5,993.749	...	6,140.044	...
	Percentage of SI ceded to RI	19.60	...	26.94	...

Source: Royal Insurance Corporation of Bhutan Ltd., Bhutan Insurance Ltd., Thimphu

Table 12.1.26: Life Insurance Schemes Offered by Royal Insurance Corporation of Bhutan Ltd., 2020

I. Participating (Par) Policies (as for those policies which participates in Bonus)

Plan Codes	No. of Policies Sold	Sum Assured (Nu. in Million)
Ashi Nangsa Life Policy- New Version (AN-NV)	1,076	151.219
Double Cover Endowment Plan (DEPP)	150	14.235
Endowment Assurance Policy (EAPP)	103	18.070
Gaki Pelzom Life Policy (GPLP)	3,218	475.967
Limited Payment Life Policy (LIMPAYP)	6	0.700
Limited Payment Life Policy II (LIMPAYP-II)	1	0.200
Money Back Policy old version, 12 years (MBP-12)	145	15.910
Money Back Policy old version, 15 years (MBP-15)	108	14.170
Money Back Policy old version, 20 years (MBP-20)	388	27.260
Money Back Policy old version, 25 years (MBP-25)	20	2.170
Money Back Policy new version, 15 years (MBP-NV-15)	8,642	1058.538
Money Back Policy new version, 20 years (MBP-NV-20)	482	49.168
Money Back Policy new version, 25 years (MBP-NV-25)	2,307	325.700
Millennium Education Scheme old version II (MILL-EDU II)	1,506	196.615
Pho-mo joint Life Policy (PHO-MO)	1,899	276.052
Youth Endowment Assurance Plan (YEAPP)	817	95.492
Grand Total	20,868	2721.465

cont...

Table 12.1.26 cont...

II. Non-Participating Policies (Non-Par) (as for those policies where Guaranteed additions is given or those which do not participate in bonus)

Plan Codes	No. of Policies Sold	Sum Assured (Nu. in Million)
Ashi Nangsa Living Policy old version (AN-LIV)	588	6.770
Children's Money Back Policy, 12 years (CMBP-12)	0	0.000
Children's Money Back Policy, 15 years (CMBP-15)	159	22.200
Children's Money Back Policy, 20 years (CMBP-20)	189	28.760
Double Cover Endowment Plan without profit (DEPP-WP)	77	9.411
Drongseb Kuendrul Tshe-Sog Ngensung old version (DKTN)	695	222.907
Drongseb Kuendrul Tshe-Sog Ngensung version II (DKTN-II)	328	97.085
Endowment Plan for Senior Citizen	298	52.550
Millennium Education Scheme III, new version	41,404	7,068.888
Millennium Education Scheme old version I	2,059	252.805
Quendue Ngensung Life Policy (QNLP)	6	3.280
Quendue Ngensung Life Policy II (QNLP II)	5,141	0.000
Silver Jubilee Term Policy new version (SJT)	109	38.300
Silver Jubilee Term Policy new version (SJTWP)	19	1.580
Ten-Tsai Mangul Ngenchoel (TMN)	4,828	748.829
Ten-Tsai Mangul Ngenchoel group policy (TMN-II)	5,062	915.553
Group Term Insurance (GTI)	7,898	446.928
Lodeth Scheme	1532	153.200
Rural Life Insurance (RLI)	599,743	17,992.290

Source: Royal Insurance Corporation of Bhutan Ltd., Thimphu

Table 12.2.1: Number of Share Holders by Companies, 2016 - 2020

(Number)

Company	2016	2017	2018	2019	2020
Bhutan Board Products Ltd. (BBPL)	477	478	476	496	542
Bhutan Carbide & Chemical Ltd. (BCCL)	263	265	267	265	269
Bhutan Ferro Alloys Ltd. (BFAL)	43	43	43	43	43
Bhutan Insurance Ltd. (BIL)	4,294	4,269	4,283	4,476	4,581
Bhutan National Bank Ltd. (BNBL)	4,514	4,533	5,213	6,253	7,204
Bhutan Polymers Company Ltd. (BPCL)	129	127	127	144	146
Bhutan Tourism Corpn. Ltd (BTCL)	156	156	156	166	164
Druk Ferro Alloys Ltd. (DFAL)	459	457	469	487	541
Jigme Mining Corporation Ltd. (JMCL)	417	417	416	440	443
Dungsam Polymers Ltd. (DPL)	14,359	14,317	14,288	14,210	14,199
Druk PNB Bank (DPNB)	22,050	21,941	21,987	21,630	21,548
Druk Plaster & Chemicals Ltd. (DPOP)	214	214	215	217	...
S.D Eastern Bhutan Coal Company Ltd. (EBCC)	1,053	1,052	1,047	1,074	...
T Bank Ltd. (TBL)	7,703	7,647	7,609	7,686	7,770
Druk Satair Corporation Ltd. (DSCL)	1,262	1,262	1,262	1,264	1,265
Druk Wang Alloys Ltd. (DWAL)	498	500	500	534	537
Kuensel Corporation Ltd. (KCL)	231	231	231	246	248
Penden Cement Authority Ltd. (PCAL)	1,418	1,403	1,446	1,514	1,635
Royal Insurance Corpn. of Bhutan (RICB)	1,484	1,481	1,606	1,853	1,997
State Trading Corpn. of Bhutan Ltd. (STCB)	137	136	138	151	232
GIC-Bhutan Re-Limited (GBRL)	1,138	1,137	1,132	1,155	1,483
Sherza Ventures Ltd. (SVL)	NA	NA	NA	7,116	7,170
Total	62,299	62,066	62,911	71,420	72,017

Note: Druk Plaster & Chemicals Ltd. (DPOP) was dissolved on 7th February 2020 and S.D. Eastern Bhutan Coal Company Ltd. (EBCC) on 19th March 2020

Source: Royal Securities Exchange of Bhutan Ltd, Thimphu.

Table 12.2.2: Market Price of Shares by Companies, (Closing Price of the Year), 2016 - 2020

(Ngultrum)

Company	2016	2017	2018	2019	2020
Bhutan Board Products Ltd. (BBPL)	10.000	...	11.450	17.100	14.000
Bhutan Carbide & Chemical Ltd. (BCCL)	75.000	70.000	70.000	73.500	48.020
Bhutan Ferro Alloys Ltd. (BFAL)	60.000	60.000	60.000	60.000	118.730
Bhutan Insurance Ltd. (BIL)	27.000	31.000	54.000	40.500	45.900
Bhutan National Bank Ltd. (BNBL)	27.000	26.500	31.000	35.500	31.650
Bhutan Polymers Company Ltd. (BPCL)	10.000	10.000	12.500	53.680	30.250
Bhutan Tourism Corpn. Ltd (BTCL)	...	...	41.000	138.600	163.670
Druk Ferro Alloys Ltd. (DFAL)	22.000	18.500	56.640	72.250	59.000
Druk Plaster & Chemicals Ltd.(DPOP)	20.000	20.000	20.000	33.150	...
Dungsam Polymers Ltd. (DPL)	19.000	13.600	15.000	15.500	13.650
Druk PNB Bank (DPNB)	21.000	25.100	39.670	78.000	66.000
T Bank Ltd. (TBL)	16.000	19.500	40.000	48.000	39.100
Druk Satair Corporation Ltd. (DSCL)	30.000	34.000	34.000	34.000	34.000
Druk Wang Alloys Ltd. (DWAL)	38.000	34.000	39.670	73.500	89.000
Jigme Mining Corporation Ltd.(JMCL)	80.000	80.000	70.000	535.500	402.000
Kuensel Corporation Ltd. (KCL)	12.000	12.000	...	59.000	54.100
Penden Cement Authority Ltd. (PCAL)	51.600	66.000	92.000	128.000	122.100
Royal Insurance Corpn. of Bhutan (RICB)	40.000	59.000	72.000	78.500	68.000
S.D Eastern Bhutan Coal Company Ltd.(EBCC)	40.000	45.000	57.000	59.850	...
State Trading Corpn. of Bhutan Ltd. (STCB)	17.500	17.500	34.500	64.000	47.500
GIC-Bhutan Re-Limited (GBRL)	13.500	15.000	25.150	44.000	27.000
Sherza Ventures Ltd. (SVL)	...	...	...	16.630	18.650

Source: Royal Securities Exchange of Bhutan Ltd. Thimphu.

Table 12.2.3: Total Traded Volume and Value of Shares by Companies, 2016 - 2020

Company	2016		2017		2018		2019		2020	
	Volume	Value (Nu. in Million)	Volume	Value (Nu. in Million)	Volume	Value (Nu. in Million)	Volume	Value (Nu. in Million)	Volume	Value (Nu. in Million)
Bhutan Board Products Ltd. (BBPL)	40,000	0.400	...	...	4,000	0.046	54,897	1.060	150,579	2.030
Bhutan Carbide & Chemicals Ltd. (BCCCL)	75,000	5.630	1,250	0.090	3,800	0.270	3,045	0.220	600	0.030
Bhutan Ferro Alloys Ltd. (BFAL)	1,000	0.060	...	...	...	...	...	...	...	...
Bhutan Insurance Ltd. (BIL)	244,820	6.240	47,800	...	282,021	14.533	1,661,657	78.880	654,899	28.090
Bhutan National Bank Ltd. (BNBL)	9,893,122	282.970	3,166,772	86.570	8,697,358	256.942	15,001,313	556.610	17,912,549	557.900
Bhutan Polymers Company Ltd. (BPCL)	23,790	0.240	20,000	0.200	1,800	0.023	48,308	1.790	686	0.020
Bhutan Tourism Corpn. Ltd.(BTCL)	...	...	...	...	1,200	0.049	1,628	0.160	606	0.090
Druk Ferro Alloys Ltd. (DFAL)	60,000	1.400	113,200	2.140	129,661	5.067	125,149	11.050	85,967	5.620
Dungsam Polymers Ltd. (DPL)	17,320	0.300	8,930	0.140	389,536	5.991	248,353	5.600	146,524	2.230
Druk Plaster & Chemicals Ltd. (DPOP)	52,250	1.120	77,309	1.749	108,450	3.228	392,514	28.750	388,358	29.540
Druk PNB Bank Ltd. (DPNB)	...	...	...	...	1,500	0.030	2,550	0.080	...	...
T Bank Ltd. (TBL)	...	...	10,280	0.350	...	...	...	...	...	...
Druk Satair Corpn. Ltd. (DSCL)	5,050	0.190	183,130	6.270	81,430	2.911	147,737	13.490	52,639	4.560
Druk Wang Alloys Ltd. (DWAL)	500	0.020	7,000	0.300	5,000	0.242	109,034	19.430	...	...

cont...

Table 12.2.3 cont...

Company	2016		2017		2018		2019		2020	
	Volume	Value (Nu. in Million)	Volume	Value (Nu. in Million)	Volume	Value (Nu. in Million)	Volume	Value (Nu. in Million)	Volume	Value (Nu. in Million)
Jigme Mining Corporation Ltd. (JMCL)	155,940	2.050	5,952	0.100	546,531	10.446	1,151,140	54.900	2,142,446	71.800
Kuensel Corporation Ltd.(KCL)	4,044	0.320	...	...	7,700	0.545	681	0.160	1,197	0.500
Penden Cement Authority Ltd. (PCAL)	1,500	0.020	...	...	...	...	49,322	2.150	22,253	1.240
Royal Insurance Corpn. of Bhutan Ltd. (RICB)	65,050	3.620	23,125	1.350	650,357	41.981	386,941	46.240	46,278	5.850
S.D Eastern Bhutan Coal Company Ltd.(EBCC)	442,200	17.630	423,600	22.460	341,578	23.208	2,951,444	246.810	1,216,376	86.710
State Trading Corpn. of Bhutan Ltd. (STCB)	148,300	2.610	900	...	92,000	1.876	75,446	3.620	169,742	8.100
GIC-Bhutan Re-Limited (GBRL)	...	...	...	...	...	...	47,481	0.950	396,778	6.770
Sherza Ventures Ltd. (SVL)	256,730	3.850	150,880	2.620	484,312	16.870	1,159,925	53.790	1,307,544	52.530
Total	11,486,616	328.670	4,240,128	124.339	11,828,234	384.257	23,618,565	1,125.740	21,535,853	863.610

Note: Total traded volume is inclusive of Initial Public Offering (IPO), Secondary trading and Corporate actions.

Source: Annual Report, Royal Securities Exchange of Bhutan Ltd. Thimphu

Table 12.2.4: Earnings Ratio per Share by Companies, 2016 - 2020

Company	2016		2017		2018		2019		2020	
	Earning per Share (EPS)	Price Earning (PE) Ratio	Earning per Share (EPS)	Price Earning (PE) Ratio	Earning per Share (EPS)	Price Earning (PE) Ratio	Earning per Share (EPS)	Price Earning (PE) Ratio	Earning per Share (EPS)	Price Earning (PE) Ratio
Bhutan Board Products Ltd. (BBPL)	0.541	18.49	-1.080	NA	-2.260	NA	-1.950	NA	-4.200	NA
Bhutan Carbide & Chemicals Ltd. (BCCL)	-9.000	0.00	8.210	8.53	10.304	6.79	-13.211	NA	-7.940	NA
Bhutan Ferro Alloys Ltd. (BFAL)	0.140	439.46	14.106	4.25	21.310	2.82	-7.575	NA	-4.930	NA
Bhutan Insurance Ltd. (BIL)	4.940	5.47	5.775	5.37	1.452	37.20	3.271	12.38	2.990	15.34
Bhutan National Bank Ltd. (BNBL)	2.230	12.66	2.364	8.37	1.812	17.11	0.631	56.25	-1.630	NA
Bhutan Polymers Company Ltd. (BPCL)	26.610	0.32	6.039	1.66	3.033	4.12	2.900	18.51	-2.260	NA
Bhutan Tourism Corp. Ltd. (BTCL)	132.270	14.39	17.218	2.32	17.931	2.29	17.185	8.07	-25.560	NA
Druk Ferro Alloys Ltd. (DFAL)	1.354	16.25	3.411	5.42	8.824	6.42	0.737	98.00	15.450	1.53
Dungsam Polymers Ltd. (DPL)	-1.556	NA	-0.797	NA	-0.042	NA	0.370	41.88	0.353	38.62
Druk Plaster & Chemicals Ltd. (DPOP)	-2.121	NA	2.760	7.25	2.789	7.17	-0.556	NA	NA	NA
Druk PNB Bank Ltd. (DPNB)	3.921	5.36	4.092	6.13	3.339	11.23	2.786	28.00	0.648	101.82
T Bank Ltd. (TBL)	0.865	18.50	2.810	6.94	3.144	12.72	4.085	11.75	0.281	139.16
Druk Satair Corp. Ltd. (DSCL)	11.141	2.69	12.963	2.62	22.077	1.54	-2.024	NA	0.226	150.46
Druk Wang Alloys Ltd. (DWAL)	1.930	19.69	5.589	6.08	12.854	3.09	3.822	19.23	6.740	13.20
Jigme Mining Corporation Ltd. (JMCL)	56.869	1.41	101.764	0.79	123.872	0.63	217.340	2.46	NA	NA
Kuensel Corporation Ltd. (KCL)	5.071	2.37	3.955	3.03	2.493	4.81	2.819	20.93	-3.590	NA
Penden Cement Authority Ltd. (PCAL)	4.287	12.04	4.443	14.85	3.443	26.72	2.086	61.37	6.580	18.55
Royal Insurance Corp. of Bhutan Ltd. (RICB)	3.939	10.15	2.212	26.68	-10.281	NA	1.882	41.71	-1.970	NA
S.D Eastern Bhutan Coal Company Ltd. (EBCC)	30.597	1.31	39.302	1.14	39.122	1.46	30.642	1.95	NA	NA
State Trading Corp. of Bhutan Ltd. (STCB)	4.359	4.01	4.514	3.88	3.749	9.20	2.475	25.85	-0.540	NA
GIC-Bhutan Re-Limited (GBRL)	0.467	28.90	0.630	23.86	0.860	29.35	0.940	46.84	1.317	20.50
Sherza Ventures Ltd. (SVL)	NA	NA	NA	NA	NA	NA	-1.140	NA	-0.520	NA

Note: $EPS = \text{Net Profit of Companies} / \text{No. of shares}$,

$\text{Price Earning ratio} = \text{Market Price} / EPS$

Source: Annual Report, Royal Securities Exchange of Bhutan Ltd. Thimphu

Table 12.2.5: Bhutan Stock Index by Month, 2019 - 2020

Months	2019	2020
January	...	1006.24
February	...	1004.23
March	...	953.32
April	...	924.07
May	...	929.72
June	...	920.90
July	...	931.07
August	...	962.17
September	...	945.27
October	...	938.89
November	...	942.80
December	1000.00	936.08

Note: Index = Market Capitalization / Base Deviser

Index is calculated at the last day of each month

Source: Royal Securities Exchange of Bhutan Ltd. Thimphu

Table 12.2.6: Dividend Declared by the Company, 2016 - 2020

(Percent)

Company	2016	2017	2018	2019	2020
Bhutan Board Products Ltd. (BBPL)	...	...	...	...	...
Bhutan Carbide & Chemicals Ltd.(BCCL)	...	35.00	50.00	...	...
Bhutan Ferro Alloys Ltd.(BFAL)	...	100.00	150.00	...	...
Bhutan Insurance Ltd.(BIL)	27.00	35.00	...	16.00	...
Bhutan National Bank Ltd.(BNBL)	13.40	16.35	10.00	0.69	...
Bhutan Polymers Company Ltd.(BPCL)	25.00	30.00	20.00	...	...
Bhutan Tourism Corpn. Ltd (BTCL)	30.00	30.00	30.00	...	...
Druk Ferro Alloys Ltd.(DFAL)	11.00	30.00	80.00	10.00	6.50
Druk PNB Bank Ltd.(DPNB)	10.00	12.00	15.00	...	...
Druk Plaster & Chemicals Ltd.(DPOP)	...	...	...	...	...
Druk Satair Corpn. Ltd.(DSCL)	80.00	100.00	...	...	...
Druk Wang Alloys Ltd.(DWAL)	20.00	10.00	20.00	30.00	65.00
S.D Eastern Bhutan Coal Company Ltd. (EBCC)	200.00	200.00	290.00	...	...
Jigme Mining Corporation Ltd.(JMCL)	500.00	500.00	500.00	500.00	...
Kuensel Corporation Ltd.(KCL)	18.00	17.00	12.00	15.00	...
Penden Cement Authority Ltd.(PCAL)	70.00	70.00	60.00	...	...
Royal Insurance Corpn. of Bhutan Ltd.(RICB)	25.00	12.60	...	...	...
T Bank Ltd. (TBL)	...	...	...	11.00	...
State Trading Corpn. of Bhutan Ltd.(STCB)	18.00	20.00	21.00	15.00	...
Dungsam Polymers Ltd.(DPL)	...	...	...	...	...
GIC-Bhutan Re-Limited (GBRL)	...	3.00	...	...	...
Sherza Ventures Ltd. (SVL)	...	...	...	...	...

Source: Royal Securities Exchange of Bhutan Ltd, Thimphu.

Bhutan's developmental efforts are based on the concept of Gross National Happiness (GNH). Good Governance, an important pillar of GNH, is supported by sound public financial management (PFM) practices that aim to promote accountability, transparency, efficiency, and effectiveness. Bhutan is steadily progressing in strengthening these elements for a sound PFM system which is guided by the Public Finance Act (PFA) 2007 (Amended 2012) and the Financial Rules and Regulations (FRR) 2016.

In accordance to the provisions of the Public Finance Act, the Budget has to be formulated based on the Budget Policy and Fiscal Framework Statement (BPFBS) and resource envelope determined by the Macroeconomic Framework Coordination Committee (MFCC). The macro-fiscal performance and outlook has to be considered to ensure that fiscal deficit is contained at manageable level. The Government Performance Management System, which defines the targets and objectives serve as the basis for budget allocation to the agencies. Through this system, the government aims to establish an efficient public resource management system that will reduce wasteful expenditure and ensure that the socio-economic objectives are realized. Further, PFA mandates meeting recurrent/operational expenditures with internal resources of the country.

The Public Debt Policy 2016 prescribes the maximum limit for non-hydro debt at 35% of GDP during a Five-Year Plan (FYP) period. The aim of the policy is to prevent excessive borrowing and ensure debt sustainability. Furthermore, the PFA section 7(d) reiterates that the level of public debt shall be contained such that it will not create undue burden on future generations and threaten national solvency.

CONCEPTS AND DEFINITIONS

Internal Borrowings:	The fund received through the issuance of treasury bills (T-Bills) and other direct borrowings if any is directly received in the Budget Fund Account (BFA). The repayment thereof is also routed through the same Budget Fund Account.
Cash Balances:	The opening and closing cash balances of the budgetary bodies are included in the Consolidated Receipts and Payments Statement (CRPS) as a government cash balance.
Grants:	Any unrequited transfer of money or resources from one government unit to another government unit or, from or to a foreign government, an international organization, or a non-governmental organization.
Loans:	means any resources raised by way of borrowing, entering into hire purchase agreements, entering into financing lease arrangements or accepting debt on assignment from other persons.

Interest payment:	The total interest payment during the FY on internal borrowings and on external borrowing.
Subsidies and Transfers:	During the FY, the actual expenditure on account of subsidies and transfers to financial, non-financial institutions and individuals/non-profit organizations.
Loan repayment:	The principal repayment of loans during the fiscal year which consists of internal borrowings and external borrowings.
On lending:	The loan proceeds which are on-lent to corporate and other public sector agencies.
Government Outstanding Debt:	The total government debt outstanding which includes domestic debt and external debt.
Domestic Outstanding Debt:	The domestic outstanding is the loan towards the internal agencies like National Pension & Provident Fund (NPPF), BHSL and treasury bills etc.
External Debt outstanding:	The total external debt outstanding is the loan towards external agencies and countries.
Government Equity Holdings:	The government equity holding in various SOEs and Corporations. This includes government shareholdings in DHI owned and linked companies.
Government Guarantees:	The guarantees consist of financing for affordable housing project in Phuntsholing to NPPF, for financing for setting up of integrated agro-based industry in Lingmethang to Bhutan Agro Industries Ltd, OESD loan Scheme to youths to BDBL, financing for purchasing new aircraft to Drukair Corporation Ltd.
Current Deposit Accounts:	(Trust & Revolving Fund, Refundable and other CD accounts) There are eight different kinds of current deposit (CD) accounts as of 30th June 2020 operated by various agencies. This include 205 operated by Gewogs, 24 by Judiciary, 23 by Municipal Corporations, 39 by Central Schools, 37 by Autonomous Schools, 5 Endowment Fund, 10 Refundable, Trust & Revolving Fund and 126 Others.

Table 13.1: Annual Current Expenditure of the Government by Agency, FY 2015/16 - 2019/20

Agency	(Nu. in Million)				
	2015/16	2016/17	2017/18	2018/19	2019/20
Ministry	12,687.916	11,918.394	14,572.039	13,379.639	17,797.914
Ministry of Home & Cultural Affairs	1,618.889	1,832.516	1,856.126	1,957.091	2,743.122
Ministry of Finance	4,670.590	4,666.228	7,024.070	5,482.261	7,689.107
Ministry of Foreign Affairs	620.016	599.043	629.519	647.153	776.751
Ministry of Agriculture & Forests	1,850.925	2,029.863	2,069.680	2,015.810	2,337.892
Ministry of Economic Affairs	323.176	331.232	271.238	259.227	424.618
Ministry of Works & Human Settlement	578.009	609.642	620.203	650.936	675.060
Ministry of Information & Communications	231.673	253.921	265.357	356.403	404.968
Ministry of Health	934.666	962.171	1,114.105	1,201.340	1,752.265
Ministry of Education	1,625.620	394.163	478.386	564.718	702.567
Ministry of Labour & Human Resources	234.352	239.615	243.355	244.700	291.564
Judiciary	265.067	269.217	292.117	282.620	353.357
Thromdes	563.030	744.496	792.060	875.839	1,237.533
Constitutional Bodies	376.740	538.455	602.939	798.535	412.472
Royal Civil Service Commission	82.202	67.767	58.984	62.687	67.687
Anti-Corruption Commission	52.243	72.488	84.370	82.934	95.966
Election Commission of Bhutan	94.401	243.413	284.767	477.720	49.180
Royal Audit Authority	147.894	154.787	174.818	175.194	199.639
Autonomous Bodies	2,577.139	2,879.666	3,070.256	4,064.676	4,807.795
His Majesty's Secretariat	28.773	33.474	32.519	34.868	42.888
His Majesty's Secretariat (4th King)	19.890	23.194	20.187	17.952	21.192
National Assembly of Bhutan	106.081	111.984	130.584	133.503	126.388
National Council of Bhutan	74.373	83.820	106.098	82.509	88.151
Council For Religious Affairs	597.524	635.466	664.669	699.247	719.302

cont...

Table 13.1 *cont...*

Agency	2015/16	2016/17	2017/18	2018/19	2019/20
Cabinet Secretariat	48.369	60.713	53.716	49.509	150.914
Office of The Attorney General	34.168	37.301	41.611	41.059	50.483
Bhutan Olympic Committee	48.986	32.035	25.972	105.523	111.232
Dzongkha Development Commission	15.710	20.937	18.786	20.139	19.016
National Land Commission	154.465	149.234	156.783	150.498	189.563
Centre for Bhutan Studies and GNH Research	35.394	24.985	40.462	33.457	18.043
Gross National Happiness Commission	41.265	37.526	39.768	42.648	44.880
National Environment Commission	31.134	29.870	30.952	34.982	48.799
Royal Institute of Management	49.906	45.456	47.374	43.644	56.383
Royal University of Bhutan	...	2.700	32.144	706.409	862.575
National Statistics Bureau	84.383	218.139	48.481	34.134	35.910
Bhutan Narcotic Control Authority	15.437	14.922	22.720	25.793	25.015
Bhutan Information Communication Media Authority	17.039	17.446	18.243	14.038	19.500
Drug Regulatory Authority	12.891	13.065	15.693	16.099	16.926
Tourism Council of Bhutan	57.739	55.057	59.486	60.928	63.838
National Commission for Women & Children	12.444	14.310	16.460	16.023	20.166
Royal Education Council	43.367	38.645	37.192	34.279	42.530
Bhutan Council for School Examination & Assessment	98.471	113.166	118.717	128.948	153.731
Royal Privy Council	14.650	12.620	14.949	12.039	13.907
Bhutan Standard Bureau	26.904	27.616	27.637	27.112	30.347
Khesar Gyalpo University of Medical Sciences of Bhutan	25.620	39.497	43.731	110.810	146.159
Jigme Singye Wangchuk School of Law	8.275	15.959	31.154	28.565	44.500
Bhutan National Legal Institute	14.328	17.936	15.837	12.071	14.033
Civil Society Organizations Authority	3.024	3.136	2.804	3.689	4.966

cont...

Table 13.1 cont...

Agency	2015/16	2016/17	2017/18	2018/19	2019/20
Jigme Dorji Wangchuk National Referral Hospital	856.529	930.612	1,050.200	1,223.029	1,500.811
Construction Development Authority	...	12.430	13.089	13.752	15.382
National Center for Hydrology and Meteorology	...	...	78.711	89.100	98.225
Bhutan Health Trust Fund	...	6.415	6.941	10.134	0.000
Bhutan Medical & Health Council	...	...	6.586	8.186	9.088
National Film Commission	...	...	...	...	1.405
Media Council	...	...	...	...	1.547
Dzongkhag Administration	6,147.512	7,542.579	7,749.157	7,902.124	10,220.268
Gewog Administration	263.188	236.777	416.144	465.229	696.014
Total Expenditure	22,880.592	24,129.584	27,494.712	27,768.662	35,525.353

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

Table 13.2: Annual Capital Expenditure of the Government by Agency, FY 2015/16 - 2019/20

(Nu. in Million)

Agency	2015/16	2016/17	2017/18	2018/19	2019/20
Ministry					
Ministry of Home & Cultural Affairs	14,440.96	15,871.80	19,180.35	10,624.29	12,019.29
Ministry of Finance	1,028.67	1,330.66	1,306.25	826.77	1,080.84
Ministry of Foreign Affairs	3,022.27	2,687.38	4,153.68	1,164.75	3,646.01
Ministry of Agriculture & Forests	46.13	113.61	110.47	47.91	284.37
Ministry of Economic Affairs	1,493.49	1,575.42	1,430.25	1,146.35	1,198.27
Ministry of Works & Human Settlement	751.85	1,245.44	945.39	358.27	514.97
Ministry of Information & Communications	5,046.13	5,409.50	7,247.65	4,550.10	2,350.29
Ministry of Health	653.45	754.10	873.40	474.00	763.64
Ministry of Education	795.98	821.58	1,137.38	939.79	1,015.53
Ministry of Labour & Human Resources	1,137.33	1,432.23	1,251.43	756.37	884.55
Thromdes	465.68	501.89	724.45	359.98	280.80
Judiciary	75.77	145.95	130.66	785.02	1,002.69
Constitutional Bodies	104.51	201.19	152.83	83.64	58.43
Royal Civil Service Commission	321.80	427.41	430.02	265.81	168.55
Anti-Corruption Commission	145.52	252.40	227.15	111.08	91.91
Election Commission of Bhutan	36.43	58.11	27.92	44.23	46.87
Royal Audit Authority	81.30	15.66	24.67	34.55	5.45
Autonomous Bodies	58.55	101.24	150.28	75.95	24.32
His Majesty's Secretariat	1,402.66	1,920.08	2,100.00	1,671.53	1,695.93
His Majesty's Secretariat (4th King)	0.98	1.17	0.71	7.79	7.28
National Assembly of Bhutan	0.05	0.10	0.05	0.18	0.00
National Council of Bhutan	9.37	6.14	2.15	45.43	56.34
Council for Religious Affairs	5.38	10.68	3.66	25.88	52.24
	212.90	250.02	241.33	109.22	270.10

cont...

Agency	2015/16	2016/17	2017/18	2018/19	2019/20
Cabinet Secretariat	51.59	39.37	23.58	15.61	39.71
Office of the Attorney General	4.07	3.86	7.67	3.46	12.04
Bhutan Olympic Committee	59.33	131.73	147.32	114.19	36.24
Dzongkha Development Commission	3.79	4.87	9.64	7.57	14.56
National Land Commission	81.62	47.52	97.50	104.06	67.08
Centre for Bhutan Studies and GNH Research	11.20	37.31	133.83	181.43	94.86
Gross National Happiness Commission	84.20	79.89	119.88	91.11	58.04
National Environment Commission	115.91	80.80	55.19	48.27	36.93
Royal Institute of Management	40.19	31.83	28.02	19.68	12.55
Royal University of Bhutan	229.49	487.82	546.66	193.04	257.76
National Statistics Bureau	5.47	3.33	6.40	18.14	2.64
Bhutan Narcotic Control Agency	4.59	9.05	6.30	6.03	8.16
Bhutan Information Communication Media Authority	153.96	114.07	19.60	176.31	68.82
Drug Regulatory Authority	3.57	4.63	6.02	3.21	6.04
Tourism Council of Bhutan	59.89	54.87	46.35	22.24	80.83
National Commission for Women & Children	14.55	26.81	43.28	56.22	16.31
Royal Education Council	39.43	34.77	54.16	26.64	50.28
Bhutan Council for School Examination & Assessment	12.87	13.74	12.34	4.12	12.69
Royal Privy Council	2.70	0.43	1.31	4.00	0.44
Bhutan Standard Bureau	3.46	4.93	3.45	4.88	4.54
Khesar Gyalpo University of Medical Sciences of Bhutan	58.55	43.47	31.89	39.57	38.77
Jigme Singye Wangchuk School of Law	14.58	293.53	203.52	87.36	187.55
Bhutan National Legal Institute	8.38	10.20	6.87	5.25	7.69
Civil Society Organizations Authority	1.53	1.36	4.10	1.31	3.12

cont...

Table 13.2 cont...

Agency	2015/16	2016/17	2017/18	2018/19	2019/20
Jigme Dorji Wangchuck National Referral Hospital	109.10	83.06	142.22	173.78	138.70
Construction Development Authority	...	8.43	6.19	2.61	4.22
National Center for Hydrology and Meteorology	...	...	86.36	70.41	44.03
Bhutan Health Trust Fund	...	0.32	0.87	...	...
Bhutan Medical & Health Council	...	...	1.58	2.58	1.83
National Film Commission	...	...	...	...	2.14
Media Council	...	...	...	...	1.42
Dzongkhag Administration	3,479.47	4,805.33	4,683.99	1,853.33	4,759.59
Gewog Administration	1,982.69	2,465.27	2,158.80	1,001.84	2,343.45
Total Expenditure	21,807.86	25,837.03	28,836.65	16,285.47	22,047.93

Source : Annual Financial Statement 2019/20, Department of Public Accounts, Ministry of Finance, Thimphu.

Table 13.3: The Sector-wise Government Expenditures, FY 2015/16 - 2019/20

(Nu. in Million)

Sectors	2015/16		2016/17		2017/18		2018/19		2019/20	
	Current	Capital	Current	Capital	Current	Capital	Current	Capital	Current	Capital
Social Services	9,238.171	3,853.878	9,241.227	5,846.502	9,901.174	5,815.487	0.000	0.000	14,558.022	4,616.914
Health	2,732.031	1,371.164	2,837.284	1,521.735	3,170.304	1,693.833	3,477.292	1,378.828	4,706.790	1,728.617
Education	6,506.140	2,482.714	6,403.943	4,324.767	6,730.870	4,121.654	7,632.240	1,865.049	9,851.232	2,888.297
Economic Services	3,984.276	10,943.615	3,680.943	11,377.887	3,762.329	12,354.236	3,816.777	6,712.038	4,435.824	7,630.572
RNR services	2,279.893	3,748.088	2,436.568	4,327.978	2,486.707	3,718.748	2,432.000	2,161.225	2,793.301	4,321.797
Mining, manufg. & industries services	217.067	129.509	91.267	51.566	93.010	92.140	173.405	218.838	102.870	68.227
Transport & communication services	1,027.770	5,682.554	771.161	5,517.829	789.703	7,107.279	899.638	3,867.983	965.699	2,393.862
Energy services	89.782	575.052	98.506	806.992	113.680	229.175	125.347	163.937	137.179	145.776
Other economic services	369.764	808.412	283.441	673.522	279.229	1,206.894	186.387	300.055	436.775	700.910
Housing & Public Amenities Services	502.943	1,707.065	444.752	1,664.923	456.456	2,115.226	481.634	2,454.451	583.901	2,303.756
General Public Services	6,559.296	3,266.782	8,054.467	4,419.977	12,104.565	6,586.424	9,442.771	2,514.323	12,166.960	5,384.516
General public service	4,450.213	3,266.782	6,055.752	4,419.977	10,258.627	6,586.424	680.004	70.392	11,335.329	5,384.516
Public debt services	2,109.083	...	1,998.715	...	1,845.938	...	8,762.767	2,443.931	831.631	...
Religion & Cultural Services	790.320	1,513.764	819.255	1,758.808	853.961	1,670.210	907.121	994.333	939.227	1,659.834
Public Order & Safety Services	1,805.586	522.752	1,888.943	768.926	416.225	295.063	2,010.827	366.448	2,841.421	451.337
Total Expenditure	22,880.592	21,807.856	24,129.587	25,837.023	27,494.710	28,836.646	16,659.130	13,041.593	35,525.355	22,046.929

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

Table 13.4: National Revenue Collections, FY 2015/16 - 2019/20

Revenue Heads	(Nu. in Million)					
	2015/16	2016/17	2017/18	2018/19	2019/20	
Revenue	28,033.813	29,713.601	36,871.372	34,707.670	36,218.876	
Taxes	19,884.626	21,564.467	27,107.896	27,171.147	22,792.988	
Taxes on Income, Profits and Capital Gains	10,661.265	10,443.857	11,906.535	12,088.909	10,941.288	
Corporate income tax	7,459.579	8,170.299	9,033.275	9,117.405	7,511.681	
Business income tax	1,175.298	1,276.903	1,496.719	1,422.493	1,138.905	
Personal income tax	1,770.362	957.313	1,341.866	1,549.011	2,290.702	
Other direct tax revenue	256.026	39.342	34.675	0.000	0.000	
Taxes on Property	0.000	0.000	0.000	33.454	27.239	
Recurrent taxes on immovable property (Dzongkhag Municipality)	0.000	0.000	0.000	7.226	4.930	
Taxes on capital transactions	0.000	0.000	0.000	26.227	22.309	
Taxes on Goods and Services	7,066.671	8,289.437	10,055.680	9,603.992	6,916.825	
Sales tax	3,576.482	3,800.122	4,283.034	4,739.184	4,945.881	
Excise	2,483.068	3,579.663	4,834.083	3,405.802	802.989	
Green tax	1,007.121	909.652	938.563	1,025.515	812.455	
Taxes on use of goods and on permission to use goods or perform activities	0.000	0.000	0.000	433.491	355.500	
Taxes on International Trade and Transactions	597.392	562.563	773.186	678.108	467.997	
Customs and other import duties	597.392	562.563	773.186	678.108	467.997	
Other Taxes	1,559.298	2,268.610	4,372.495	4,766.683	4,439.639	
Passenger service charge	0.000	0.000	0.000	154.229	112.118	
Duties	0.000	0.000	0.000	22.027	19.588	
Royalty	1,538.829	1,901.937	3,974.440	4,590.427	4,307.934	
Other indirect tax	20.469	366.673	398.055	0.000	0.000	
Other Revenue	5,940.648	5,935.919	5,906.134	6,321.851	12,014.096	
Property Income	5,940.648	5,935.919	5,906.134	6,247.944	12,046.187	
Interest receipt from corporations	2,154.954	1,894.664	1,845.938	1,242.465	887.388	
Dividend	3,785.694	4,041.255	4,060.196	3,405.356	4,605.708	
Withdrawals from income of quasi-corporations	0.000	0.000	0.000	1,550.243	6,515.193	

cont...

Table 13.4 cont...

Revenue Heads	2015/16	2016/17	2017/18	2018/19	2019/20
Miscellaneous rent	0.000	0.000	0.000	49.880	37.898
Social Contributions	0.000	0.000	0.000	73.907	-32.091
Health contribution	0.000	0.000	0.000	73.907	-32.091
Fines & penalties	0.000	0.000	0.000	0.000	0.000
Current Revenue from Government Agencies	2,088.089	1,999.705	3,832.703	1,189.757	1,333.344
Administrative Fees & Charges*	714.227	744.817	730.585	815.807	974.040
Economic services	0.00	0.00	0.00	358.625	653.756
Social services	0.00	0.00	0.00	50.414	35.048
General services	0.00	0.00	0.00	406.768	285.236
Sale of Goods and Commodities	1,373.862	1,254.888	3,102.118	373.950	359.303
Economic services	0.00	0.00	0.00	57.161	37.934
General services	0.00	0.00	0.00	1.215	0.783
Miscellaneous and unidentified revenue*	1,373.862	1,254.888	3,102.118	315.574	320.586
Capital Revenue from Government Agencies	120.450	213.510	24.639	24.916	78.448
Capital Receipts	120.450	213.510	24.639	24.916	78.448
Economic services	120.450	213.510	24.639	24.916	78.448

Note: Revenue table is revised from FY 2018-19 due to up gradation of revenue classification as per GFSM2014. Hence, the new table is in more detailed classification. Majority of past 3 years revenue items were re-classified and put under new update but those which are not able to classify are marked (*) to guide the users and avoid the distortion of past data. (Marked (*) will be removed overtime). Other direct and indirect taxes marked (*) is added in new table to accommodate the past data not classified as per new update.

* Miscellaneous and unidentified revenue under the sale of goods and commodities includes

¹. Revenue from Govt. departments, 2. Other Non-Tax revenue, 3. Transfer of profits.

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

Table 13.5: Fiscal Framework of Government, FY 2015/16 - 2019/20

(Nu. in Million)

Item	2015/16	2016/17	2017/18	2018/19	2019/20
Revenue & Grants	42,039.298	42,673.126	52,113.168	42,033.296	54,603.868
Domestic Revenue	28,033.812	29,713.600	36,871.372	34,707.670	36,218.876
Tax	19,884.626	21,706.997	27,107.897	27,171.147	22,792.988
Non-Tax	8,149.186	8,006.603	9,763.475	7,536.523	13,425.887
Other Receipts	(884.124)	(27.226)	394.726	(3,190.855)	1,959.242
Grants	14,889.610	12,986.752	14,847.070	10,516.481	16,425.750
Programme Grants	2,340.015	2,125.000	1,700.000	989.520	2,550.000
GoI	1,275.000	2,125.000	1,700.000	850.000	2,550.000
Others	1,065.015	...	...	139.520	...
Project Tied Grants	12,549.595	10,861.752	13,147.070	9,526.961	13,875.750
GoI	9,446.698	7,757.572	9,500.831	5,634.765	8,893.955
Others	3,102.897	3,104.180	3,646.239	3,892.196	4,981.795
Outlay	43,603.000	48,017.988	52,658.670	...	...
Total Expenditure	44,688.447	49,966.611	56,331.357	44,054.133	57,572.283
Current	22,880.591	24,129.587	27,494.710	27,768.663	35,525.353
Capital	21,807.856	25,837.024	28,836.647	16,285.470	22,046.930
Net lending*	(1,885.332)	(2,003.122)	(2,077.880)	...	146.535
Advance/Suspense (Net)	799.885	54.499	(1,594.807)	722.593	416.959
Overall Balance	(1,563.702)	(5,344.862)	(545.502)	(2,743.430)	(3,385.375)
Financing	1,563.702	5,344.862	545.502	2,743.431	3,385.375
Net lending**	...	...	...	1,318.468	729.250
Net External Borrowings	(1,215.482)	524.326	(102.023)	1,101.102	3,527.087
Borrowings	1,818.681	3,227.662	2,718.332	3,432.572	5,303.270
Repayments	3,034.163	2,703.336	2,820.355	2,331.470	1,776.183
Net Internal Borrowings	(2,779.184)	(4,820.536)	(647.525)	323.861	(870.962)
Surplus/Deficit	...	...	...	334.475	(859.559)
Internal borrowings	...	...	...	10.614	11.403
Repayments	...	...	...	...	...

Note: * Old format of presentation by MoF wherein Net lending is shown above the line (Overall Balance)

** From FY 2018-19 Net lending is shown below the line (Overall Balance)

Source : Annual Financial Statement, Department of Public Accounts, Ministry of Finance, Thimphu

Table 13.6: Government Debt Stock & Debt Service, FY 2015/16 - 2019/20

Debt	2015/16	2016/17	2017/18	2018/19	2019/20
Total Public Debt	160,562.057	170,256.761	185,312.076	184,174.524	184,174.527
Domestic Debt	4,656.115	10,057.344	8,159.680	5,059.597	5,059.597
RMA/BoBL/BNBL/DPNBL/TBank	4,589.577	10,000.000	8,112.209	4,661.473	4,661.472
NPPF	66.538	57.344	47.471	398.124	398.124
External Debt	155,905.942	160,199.417	177,152.396	179,114.927	179,114.930
Indian rupee debt	115,393.815	119,207.690	133,190.701	131,432.822	131,432.876
Convertible currency debt	40,512.127	40,991.727	43,961.695	47,682.105	47,682.054
Total Debt Service	27,504.017	66,192.870	69,021.505	53,766.168	40,499.056
Domestic	21,202.624	54,412.710	63,784.833	49,575.323	37,211.401
External	6,301.393	11,780.160	5,236.672	4,190.845	3,287.655
Interest payment	2,573.601	2,702.004	2,899.033	2,293.445	1,675.246
Domestic	77.998	161.340	265.099	299.142	163.774
RMA/BoBL/BNBL/DPNBL/T-Bank	62.715	156.360	260.798	279.234	131.019
NPPF	11.488	4.980	4.301	19.908	32.755
External	2,421.400	2,379.324	2,368.835	1,994.303	1,511.472
India	1,805.267	1,758.433	1,657.711	1,283.179	738.541
Other than India	616.133	620.891	711.124	711.124	772.931
Principal repayment	46,060.244	120,282.900	129,907.307	51,472.723	38,823.810
Domestic	21,124.626	54,251.370	63,519.735	49,276.181	37,047.627
RMA/BoBL/BNBL/DPNBL/TBank	20,940.792	54,242.176	63,509.862	49,265.567	37,036.224
NPPF	114.834	9.194	9.873	10.614	11.403
External	3,879.992	11,780.160	2,867.837	2,196.542	1,776.183
India	2,516.638	9,817.844	1,342.591	671.296	0.000
Other than India	1,363.354	1,962.316	1,525.246	1,525.246	1,776.183

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

Bhutan's planned socio-economic development was started in the year 1961 when the first Five Year Plan (1961/62 to 1965/66) was inceptioned. 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 and headed by His Majesty The Fourth Druk Gyalpo. In the absence of basic economic information and skilled manpower, the formulation of the third plan, like earlier ones was relatively simple. Major developments to consolidate the planning process took place in the fourth five year plan where the Dzongkhags were involved in the development process.

The **Tenth Five Year Plan (2008-2013)** began in July 2007 and emphasized poverty reduction as a primary goal. It was the first plan implemented after Bhutan transitioned to Democratic Constitutional Monarchy. During this plan period, Bhutan committed towards number of global compacts, including MDGs and accordingly achieved most of the targets.

The **Eleventh Five Year Plan (2013-2018)** was the second five year plan implemented after the introduction of Democratic Constitutional Monarchy in 2008. A notable paradigm shift of the 11th FYP was the adoption of a Result Based Planning (RBP) framework that articulated clear outcomes and outputs that needed 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 (NKRAs) are drawn from the timeless vision and wisdom emanating from the Golden Throne. In order to align with the Government's tenure, the 12th FYP period commenced from 1st November, 2018 and will end on 31st October, 2023. Implementation is rigorously monitored through the government performance management system to ensure that results are achieved. Progress is being reviewed during the annual and mid-term reviews to ensure that corrective measures and mid-course corrections are made in a timely manner.

This chapter presents information on planned budget outlay covering three plan periods described above. The information shall be useful for planners and researchers to analyze and take stock of budgetary outlays provisioned among Bhutan's institutions including Ministries, constitutional bodies, autonomous bodies and local governments.

Table 14.1: Tenth Five Year Plan Budgetary Outlay and Allocation, 2008 - 2013

(Nu.in Million)

Organization	Recurrent	Capital	Total	Percent
Constitutional Bodies	1,577.878	5,199.107	6,776.983	4.6
Judiciary	611.888	724.512	1,336.400	0.9
Royal Audit Authority	289.018	53.555	342.573	0.2
Election Commission of Bhutan	523.496	79.910	603.406	0.4
Anti Corruption Commission	64.664	125.370	190.034	0.1
Royal Civil Service Commission	88.812	4,215.760	4,304.570	2.9
Autonomous Agencies	5,783.457	6,503.980	12,287.435	8.4
His Majesty's Secretariat	147.217	100.000	247.217	0.2
Secretariat of His Majesty the Fourth King	89.331	50.000	139.331	0.1
National Assembly Secretariat	252.862	42.905	295.767	0.2
Royal Advisory Council (National Council)	149.586	56.993	206.579	0.1
Cabinet Secretariat	141.177	15.584	156.761	0.1
Office of the Attorney General	64.844	56.150	120.994	0.1
GNH Commission	170.079	1,050.000	1,220.080	0.8
National Land Commission	454.808	385.861	840.669	0.6
National Environment Commission	78.018	109.300	187.318	0.1
Dzongkha Development Commission	77.099	30.600	107.699	0.1
Council for Ecclesiastical Affairs	1,864.270	633.553	2,497.820	1.7
National Statistics Bureau	129.202	45.290	174.492	0.1
Royal University of Bhutan	1,532.970	2,427.100	3,960.070	2.7
Royal Institute of Management	129.191	275.050	404.241	0.3
Centre for Bhutan Studies	45.500	50.000	95.500	0.1
Bhutan Narcotic Control Agency	23.004	21.403	44.407	0.0
Bhutan Olympic Committee	158.264	100.000	258.264	0.2
Bhutan Broadcasting Service Corporation	...	406.779	406.779	0.3
National Commission for Women and Children	70.818	64.206	135.024	0.1
Bhutan Information Communication Media Authority	38.322	10.500	48.822	0.0
Drug Regulatory Authority	16.150	...	16.150	0.0
Tourism Council of Bhutan	150.745	572.706	723.451	0.5
Ministries	48,897.653	49,908.691	98,806.320	67.6
Ministry of Agriculture	4,497.090	3,626.510	8,123.600	5.6
Ministry of Education	875.122	9,489.130	10,364.250	7.1
Ministry of Finance	29,632.490	699.921	30,332.410	20.7
Ministry of Foreign Affairs	1,319.630	447.510	1,767.140	1.2
Ministry of Health	4,175.970	4,394.340	8,570.300	5.9
Ministry of Home and Cultural Affairs	4,301.610	3,000.640	7,302.240	5.0
Ministry of Information and Communication	561.990	3,776.470	4,338.460	3.0
Ministry of Labour and Human Resources	742.671	1,446.070	2,188.740	1.5

cont...

Table 14.1 cont...

Organization	Recurrent	Capital	Total	Percent
Ministry of Economic Affairs	1,057.540	5,763.180	6,820.720	4.7
Ministry of Works and Human Settlements	1,733.540	17,264.920	18,998.460	13.0
Others	963.966	...	963.966	0.7
Thimphu Thromde Schools	963.966	...	963.966	0.7
Total for Central Agencies	57,222.954	61,611.760	118,834.700	81.3
Dzongkhags and Gewogs	15,417.520	12,000.000	27,417.520	18.8
Dzongkhags	...	7,200.000	7,200.000	4.9
Gewogs	...	4,800.000	4,800.000	3.3
Total Outlay	72,640.474	73,611.760	146,252.220	100.0

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

Table 14.2: Eleventh Five Year Plan Budgetary Outlay and Allocation, 2013 - 2018

(Nu.in Million)

Organization	Outlays			% of Total
	Current	Capital	Total	
Constitutional Body	2,613.500	1,567.500	4,181.000	1.96
Judiciary	1,247.990	623.000	1,870.990	0.88
Royal Audit Authority	659.010	216.000	875.010	0.41
Election Commission of Bhutan	220.580	428.000	648.580	0.30
Anti Corruption Commission	237.530	93.500	331.030	0.16
Royal Civil Service Commission	248.390	207.000	455.390	0.21
Autonomous Agency	11,619.160	7,014.650	18,633.810	8.74
His Majesty's Secretariat	182.140	...	182.140	0.09
Secretariat of His Majesty the Fourth King	135.060	...	135.060	0.06
National Assembly Secretariat	535.120	54.000	589.120	0.28
National Council	355.360	330.000	685.360	0.32
Royal Privy Council	83.890	...	83.890	0.04
Cabinet Secretariat	179.610	23.000	202.610	0.09
Office of the Attorney General	124.870	43.900	168.770	0.08
Gross National Happiness Commission	227.950	625.000	852.950	0.40
National Land Commission	1,182.190	500.000	1,682.190	0.79
National Environment Commission	183.940	374.000	557.940	0.26
Dzongkha Development Commission	88.340	63.000	151.340	0.07
Council for Religious Affairs	2,983.260	379.000	3,362.260	1.58
National Statistics Bureau	153.460	92.440	245.900	0.12
Royal University of Bhutan	...	1,086.450	1,086.450	0.51
Royal Education Council	181.430	292.000	473.430	0.22
Bhutan Council for School Examination & Assessment	404.010	50.000	454.010	0.21
Royal Institute of Law & Bhutan National Legal Institute	32.800	589.500	622.300	0.29
University of Medical Sciences of Bhutan	3,233.610	487.300	3,720.910	1.74
Royal Institute of Management	280.940	273.000	553.940	0.26
Centre for Bhutan Studies	97.640	14.500	112.140	0.05
Bhutan Narcotic Control Agency	87.940	45.000	132.940	0.06
Bhutan Olympic Committee	176.070	395.000	571.070	0.27
Bhutan Broadcasting Service Corporation	...	340.000	340.000	0.16
National Commission for Women and Children	99.170	55.000	154.170	0.07
Bhutan Information Communication Media Authority	93.750	118.250	212.000	0.10
Bhutan Standard Bureau	145.770	36.000	181.770	0.09
Drug Regulatory Authority	56.670	33.000	89.670	0.04
Tourism Council of Bhutan	314.170	345.610	659.780	0.31
Royal Institute of Tourism and Hospitality	...	25.500	25.500	0.01
JDWNR Hospital	...	334.200	334.200	0.16

cont...

Table 14.2 cont...

Organization	Outlays			% of Total
	Current	Capital	Total	
CSO Authority	...	10.000	10.000	0.00
Ministries	70,429.480	55,657.190	126,086.670	59.11
Ministry of Agriculture and Forest	8,786.880	4,856.000	13,642.880	6.40
Ministry of Education	933.750	7,438.740	8,372.490	3.93
Ministry of Finance	38,589.530	2,678.550	41,268.080	19.35
Ministry of Foreign Services	3,287.340	320.000	3,607.340	1.69
Ministry of Health	4,306.820	3,839.410	8,146.230	3.82
Ministry of Home and Cultural Affairs	8,076.180	3,702.000	11,778.180	5.52
Ministry of Information and Communication	1,068.580	3,548.430	4,617.010	2.16
Ministry of Labour and Human Resources	1,271.250	1,383.000	2,654.250	1.24
Ministry of Economic Affairs	1,626.420	6,782.060	8,408.480	3.94
Ministry of Works and Human Settlements	2,482.730	21,109.000	23,591.730	11.06
Others (HRD and Exigencies)	...	2,910.660	2,910.660	1.36
Human Resource Development	...	2,000.000	2,000.000	0.94
Other Capital (Vehicles, misc. exigencies etc.)	...	910.660	910.660	0.43
Total for Central Agencies	84,662.140	67,150.000	151,812.140	71.18
Local Governments	36,629.320	24,850.000	61,479.320	28.82
Dzongkhags and Gewogs	33,578.440	20,000.000	53,578.440	25.12
Thromde	...	4,850.000	4,850.000	2.27
Thromde Schools	3,050.880	...	3,050.880	1.43
Total Outlay	121,291.460	92,000.000	213,291.460	100.00

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

Table 14.3: Twelfth Five Year Plan Outlay and Allocation for Central Agencies, 2018 - 2013

(Nu.in Million)

Organization	Outlays			% of Total
	Current	Capital	Total	
Ministries	63,737.700	36,746.590	100,484.290	50.76
Ministry of Agriculture and Forest	10,896.820	3,050.350	13,947.170	7.05
Ministry of Economic Affairs	1,383.030	3,400.000	4,783.030	2.42
Ministry of Education	2,863.420	4,000.000	6,863.420	3.47
Ministry of Foreign Affairs	3,773.190	750.000	4,523.190	2.29
Ministry of Finance	22,038.880	700.000	22,738.880	11.49
Ministry of Health	5,785.780	3,580.000	9,365.780	4.73
Ministry of Home and Cultural Affairs	10,194.270	3,240.000	13,434.270	6.79
Ministry of Information and Communications	1,795.580	3,490.000	5,285.580	2.67
Ministry of Labour and Human Resources	1,352.340	2,800.000	4,152.340	2.10
Ministry of Works and Human Settlement	3,654.410	11,736.240	15,390.650	7.78
Constitutional Bodies	4,056.860	1,610.000	5,666.860	2.86
Election Commission of Bhutan	708.770	250.000	958.770	0.48
Royal Civil Services Commission	365.170	200.000	565.170	0.29
Anti Corruption Commission	446.390	210.000	656.390	0.33
Royal Audit Authority	993.400	200.000	1,193.400	0.60
Royal Court of Justice	1,543.130	750.000	2,293.130	1.16
Autonomous Agencies	20,034.830	9,375.000	29,409.830	14.86
Bhutan National Legal Institute	79.740	50.000	129.740	0.07
Jigme Singye Wangchuck School of Law	265.200	1,000.000	1,265.200	0.64
Royal University of Bhutan	3,766.820	1,200.000	4,966.820	2.51
Royal Institute of Management	251.530	200.000	451.530	0.23
National Environment Commission Secretariat	179.210	450.000	629.210	0.32
National Statistics Bureau	187.630	300.000	487.630	0.25
Bhutan Olympic Committee	524.580	405.000	929.580	0.47
National Assembly Secretariat	630.550	50.000	680.550	0.34
National Council Secretariat	425.840	50.000	475.840	0.24
Cabinet Secretariat	211.620	50.000	261.620	0.13
Dzongkhag Development Commission	103.560	75.000	178.560	0.09
Bhutan Narcotic Control Authority	144.420	50.000	194.420	0.10
Drug Regulatory Authority	94.720	50.000	144.720	0.07
Office of Attorney General	181.610	50.000	231.610	0.12
National Commission for Women and Children	85.140	70.000	155.140	0.08
Bhutan Standards Bureau	134.890	50.000	184.890	0.09
Bhutan InfoComm and Media Authority	89.850	75.000	164.850	0.08
Dratshang Lhentshog	3,423.030	750.000	4,173.030	2.11
Bhutan Council for School Examinations and Assessment	656.000	160.000	816.000	0.41
Royal Education Council	180.030	300.000	480.030	0.24

cont...

Table 14.3 cont...

Organization	Outlays			% of Total
	Current	Capital	Total	
National Land Commission Secretariat	861.440	300.000	1,161.440	0.59
Gross National Happiness Commission Secretariat	202.360	100.000	302.360	0.15
Khesar Gyalpo University of Medical Science of Bhutan	593.590	445.000	1,038.590	0.52
JDWNR Hospital	5,601.780	900.000	6,501.780	3.28
National Centre for Hydrology and Meteorology	473.770	300.000	773.770	0.39
Construction Development Board	78.110	55.000	133.110	0.07
Bhutan Medical Health Council	48.790	15.000	63.790	0.03
Royal Bhutan Police*	...	1,500.000	1,500.000	0.76
Centre for Bhutan Studies and GNH Research	193.390	200.000	393.390	0.20
Agency for Promotion of Indigenous Crafts**	...	170.000	170.000	0.09
Civil Society Organization Authority	17.190	5.000	22.190	0.01
Tourism Council Of Bhutan***	348.430	...	348.430	0.18
Others	55,910.670	6,470.000	62,380.670	31.51
Human Resource Development	...	1,200.000	1,200.000	0.61
Common Public Expenditure	4,364.580	2,000.000	6,364.580	3.22
Provision for Office Constructions	...	2,270.000	2,270.000	1.15
Royal Privy Council	88.950	...	88.950	0.04
General Provisions	24,066.590	...	24,066.590	12.16
Subsidies, Transfers and Equities	13,709.610	...	13,709.610	6.93
Debt Servicing	13,645.560	...	13,645.560	6.89
Bhutan Health Trust Fund	35.390	...	35.390	0.02
Bhutan Economic Stabilization Fund	...	1,000.000	1,000.000	0.51
Flagship Programme				
Total Outlay	143,740.070	54,201.590	197,941.660	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 o Nu 3201.59 million for central agencies.

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

Table 14.4: Twelfth Five Year Plan Budgetary Outlay and Allocation, 2018 - 2023

(Nu. in Million)

Organization	Outlays		Total
	Current	Capital	
Central Agencies			
Ministries	63,737.700	36,746.590	100,484.290
Constitutional bodies	4,056.860	1,610.000	5,666.860
Autonomous agencies	20,034.830	9,375.000	29,409.830
Others	55,910.670	21,470.000	62,380.670
Sub-Total	143,740.060	69,201.590	197,941.650
Local Governments			
Dzongkhags	45,708.230	20,019.010	65,727.200
Thromdes	4,551.700	10,126.000	14,677.700
Gewogs	0.000	19,855.008	19,855.008
Sub-Total	50,259.930	50,000.018	100,259.948
Grant Total	193,999.990	119,201.608	313,201.598

Note: Over budgeting of Nu 3,201.59 million against the total outlay for central agencies of Nu 50,000 million.

Total Outlay for the 12th FYP is Nu. 310016 million but the figure in the table includes Nu.3201.59 million which was over budgeted

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

Table 14.5: Tenth Five Year Plan Outlay by Dzongkhag, 2008 - 2013

(Nu.in Million)

Dzongkhags	Current	Capital	Total
Bumthang	...	138.958	138.958
Chhukha	792.664	483.130	1,275.794
Dagana	294.206	273.600	567.806
Gasa	...	58.928	58.928
Haa	...	123.616	123.616
Lhuentse	226.899	292.607	519.506
Monggar	486.944	529.029	1,015.973
Paro	...	259.057	259.057
Pemagatshel	474.511	278.880	753.391
Punakha	277.347	244.640	521.987
Samdrup Jongkhar	...	358.012	358.012
Samtse	...	715.232	715.232
Sarpang	369.315	316.730	686.045
Thimphu	...	177.760	177.760
Trashigang	314.260	686.560	1,000.820
Trashigang Yangtse	135.463	225.396	360.859
Trongsa	205.820	126.686	332.506
Tsirang	...	200.330	200.330
Wangdue Phodrang	426.894	233.250	660.144
Zhemgang	375.388	247.271	622.659
Total	4,379.711	5,969.672	10,349.383

Note: Capital budget does not include the Gewog capital budget

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

Table 14.6: Eleventh Five Year Plan Outlay by Dzongkhag, 2013 - 2018

(Nu.in Million)

Dzongkhag	Capital
Bumthang	396.012
Chhukha	560.156
Dagana	468.827
Gasa	379.887
Haa	349.296
Lhuentse	465.037
Monggar	544.536
Paro	373.145
Pema Gatshel	477.595
Punakha	437.412
Samdrup Jongkhar	442.260
Samtse	639.440
Sarpang	445.421
Thimphu	602.338
Trashigang	421.870
Trashi Yangtse	350.122
Trongsa	368.462
Tsirang	358.437
Wangdue Phodrang	518.395
Zhemgang	401.352
Total	9,000.00

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

Table 14.7: Twelfth Five Year Plan Outlay by Dzongkhag, 2018 - 2023

(Nu.in Million)

Dzongkhags	Current	Capital	Total
Bumthang	1,515.190	736.380	2,251.570
Chhukha	3,195.360	1,042.880	4,238.240
Dagana	2,213.450	1,179.850	3,393.300
Gasa	670.200	665.370	1,335.560
Haa	1,188.250	714.830	1,903.080
Lhuentse	1,533.450	922.420	2,455.870
Monggar	3,068.120	1,011.720	4,079.830
Paro	2,305.410	984.470	3,289.880
Pema Gatshel	2,800.040	1,075.400	3,875.440
Punakha	2,464.850	986.030	3,450.870
Samdrup Jongkhar	2,351.400	795.180	3,146.580
Samtse	3,831.280	1,348.850	5,180.130
Sarpang	2,424.760	951.530	3,376.290
Thimphu	4,309.910	1,122.430	5,432.330
Trashigang	1,858.660	740.470	2,599.130
Trashhi Yangtse	1,596.500	1,139.440	2,735.940
Trongsa	1,515.250	995.150	2,510.400
Tsirang	2,113.370	901.510	3,014.880
Wangdue Phodrang	2,636.810	1,257.210	3,894.020
Zhemgang	2,115.970	1,009.590	3,125.560
Others	...	438.300	438.300
Total	45,708.230	20,019.010	65,727.200

Note: Others- Cushion fund kept separately.

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

Table 14.8: Twelfth Five Year Plan Outlay by Thromde, 2018 - 2023

(Nu.in Million)

Thromde	Current	Capital	Total
Thimphu	2,919.630	4,666.450	7,586.080
Phuentsholing	623.020	2,370.400	2,993.420
Samdrup Jongkhar	438.430	1,575.910	2,014.340
Gelephu	570.620	1,513.240	2,083.860
Total	4,551.700	10,126.000	14,677.700

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

Table 14.9: Indicative Capital Budget Allocation to Gewogs, Twelfth Five Year Plan, 2018 - 2023

(Nu.in Million)

Dzongkhag	Gewog	Resource Allocation Formula (RAF)	Common Minimum Infra-structure (CMI)	Total
Bumthang	Chhoekhor	87.367	19.800	107.167
	Chhumig	52.799	19.800	72.599
	Tang	49.646	19.800	69.446
	Ura	37.436	19.800	57.236
	Total	227.248	79.200	306.448
Chhukha	Bjagchhog	53.624	19.800	73.424
	Bongo	99.806	61.800	161.606
	Chapchha	47.394	19.800	67.194
	Darla	162.578	19.800	182.378
	Doongna	42.861	19.800	62.661
	Geling	49.787	39.810	89.597
	Getana	41.834	398.146	439.980
	Loggchina	66.428	124.200	190.628
	Maedtabkha	26.364	19.800	46.164
	Phuentshogling	119.218	19.800	139.018
	Samphelling	86.950	19.800	106.750
	Total	796.844	762.556	1,559.400
Dagana	Dorona	40.760	82.800	123.560
	Drukjeygang	74.255	19.800	94.055
	Gesarling	36.306	19.800	56.106
	Gozhi	53.833	19.800	73.633
	Karmaling	36.514	40.800	77.314
	Karna	69.114	19.800	88.914
	Khebisa	66.656	74.320	140.976
	Largyab	32.432	82.005	114.437
	Lhamoi Dzingkha	56.692	19.800	76.492
	Nichula	41.214	40.800	82.014
	Tashiding	59.639	40.800	100.439
	Tsangkha	45.350	19.800	65.150
	Tsenda-Gang	54.168	40.800	94.968
	Tseza	39.127	21.000	60.127
	Total	706.060	542.125	1,248.185
Gasa	Khamaed	21.024	19.800	40.824
	Khatoed	17.544	19.800	37.344
	Laya	68.443	92.300	160.743
	Lunana	56.962	21.000	77.962
	Total	163.973	152.900	316.873

cont...

Table 14.9 cont...

Dzongkhag	Gewog	Resource Allocation Formula (RAF)	Common Minimum Infra-structure (CMI)	Total
Haa	Bji	42.978	19.800	62.778
	Gakiling	52.147	61.800	113.947
	Kar-tshog	36.276	19.800	56.076
	Samar	34.434	19.800	54.234
	Sangbay	53.335	40.800	94.135
	Uesu	32.119	19.800	51.919
	Total	251.289	181.800	433.089
Lhuentse	Gangzur	74.707	19.800	94.507
	Jarey	43.150	19.800	62.950
	Khoma	62.382	19.800	82.182
	Kurtoed	31.853	19.800	51.653
	Maedtsho	39.909	19.800	59.709
	Maenbi	60.361	21.000	81.361
	Minjey	43.656	19.800	63.456
	Tsaenkhar	71.932	19.800	91.732
	Total	427.950	159.600	587.550
Monggar	Balam	32.873	19.800	52.673
	Chagsakhar	48.578	19.800	68.378
	Chhaling	60.380	19.800	80.180
	Dramedtse	67.365	19.800	87.165
	Drepoong	45.449	19.800	65.249
	Gongdue	58.573	108.660	167.233
	Jurmed	59.742	19.800	79.542
	Kengkhar	61.295	19.800	81.095
	Monggar	94.250	19.800	114.050
	Narang	49.312	73.450	122.762
	Ngatshang	46.623	19.800	66.423
	Saling	59.974	19.800	79.774
	Shermuhoong	67.376	19.800	87.176
	Silambi	53.783	208.300	262.083
	Thang-rong	56.046	19.800	75.846
	Tsakaling	59.798	19.800	79.598
	Tsamang	44.812	19.800	64.612
	Total	966.229	667.610	1,633.839

cont...

Table 14.9 cont...

Dzongkhag	Gewog	Resource Allocation Formula (RAF)	Common Minimum Infra-structure (CMI)	Total
Paro	Dokar	50.417	19.800	70.217
	Dopshar-ri	48.462	19.800	68.262
	Doteng	28.132	19.800	47.932
	Hoongrel	11.918	19.800	31.718
	Lamgong	69.057	19.800	88.857
	Loong-nyi	50.620	19.800	70.420
	Nagya	76.475	19.800	96.275
	Sharpa	77.342	19.800	97.142
	Tsento	74.857	19.800	94.657
	Wangchang	67.317	19.800	87.117
	Total	554.597	198.000	752.597
Pema Gatshel	Chhimoong	38.994	158.420	197.414
	Chhoeckhorling	33.635	70.670	104.305
	Chongshing	43.358	19.800	63.158
	Dechhenling	80.603	19.800	100.403
	Dungmaed	46.918	40.800	87.718
	Khar	46.924	19.800	66.724
	Nanong	60.852	19.800	80.652
	Norboogang	64.147	19.800	83.947
	Shumar	67.569	21.000	88.569
	Yurung	41.436	121.300	162.736
	Zobel	51.331	19.800	71.131
	Total	575.767	530.990	1,106.757
Punakha	Barp	67.086	19.800	86.886
	Chhubu	53.432	40.800	94.232
	Dzomi	44.552	19.800	64.352
	Goenshari	35.998	19.800	55.798
	Guma	70.078	21.000	91.078
	Kabisa	50.571	19.800	70.371
	Lingmukha	29.343	19.800	49.143
	Shelnga-Bjemi	40.641	19.800	60.441
	Talog	39.295	19.800	59.095
	Toedpaisa	50.821	19.800	70.621
	Toedwang	36.819	19.800	56.619
	Total	518.636	240.000	758.636

cont...

Table 14.9 cont...

Dzongkhag	Gewog	Resource Allocation Formula (RAF)	Common Minimum Infra-structure (CMI)	Total
Samdrup Jongkhar	Dewathang	55.229	19.800	75.029
	Gomdar	88.027	19.800	107.827
	Langchenphu	34.528	19.800	54.328
	Lauri	110.134	188.070	298.204
	Martshala	72.658	61.800	134.458
	Orong	67.598	40.800	108.398
	Pemathang	42.155	19.800	61.955
	Phuentshogthang	72.484	19.800	92.284
	Samrang	19.059	19.800	38.859
	Serthig	62.582	19.800	82.382
	Wangphu	72.975	40.800	113.775
	Total	697.429	470.070	1,167.499
Samtse	Denchukha	79.287	179.300	258.587
	Dophuchen	117.777	19.800	137.577
	Dungtoed	48.118	165.380	213.498
	Namgyalchhoeling	94.473	19.800	114.273
	Norbugang	79.687	19.800	99.487
	Norgaygang	131.631	40.800	172.431
	Pemaling	83.294	19.800	103.094
	Phuntshopelri	112.821	106.800	219.621
	Samtse	97.939	21.000	118.939
	Sangacholing	81.708	19.800	101.508
	Tading	139.644	19.800	159.444
	Tashichoeling	75.482	19.800	95.282
	Tendruk	117.468	19.800	137.268
	Ugyentse	36.969	19.800	56.769
	Yoeseltse	81.127	19.800	100.927
	Total	1,377.425	711.280	2,088.705
Sarpang	Chudzom	81.997	296.000	377.997
	Chuzanggang	60.043	19.800	79.843
	Dekiling	93.504	19.800	113.304
	Gakiling	77.538	40.800	118.338
	Gelegphu	73.768	19.800	93.568
	Jigme Chhoeling	100.956	40.800	141.756
	Samtenling	54.597	19.800	74.397

cont...

Table 14.9 cont...

Dzongkhag	Gewog	Resource Allocation Formula (RAF)	Common Minimum Infra-structure (CMI)	Total
Sarpang	Senggey	43.874	40.800	84.674
	Serzhong	40.926	19.800	60.726
	Shompangkha	29.623	19.800	49.423
	Tareythang	18.173	19.800	37.973
	Umling	39.058	19.800	58.858
	Total	714.057	576.800	1,290.857
Thimphu	Chang	69.912	19.800	89.712
	Darkarla	36.276	19.800	56.076
	Ge-nyen	24.982	19.800	44.782
	Kawang	80.579	19.800	100.379
	Lingzhi	26.543	22.200	48.743
	Maedwang	80.034	19.800	99.834
	Naro	18.270	88.530	106.800
	Soe	16.567	22.200	38.767
	Total	353.163	231.930	585.093
Trashigang	Bartsham	49.308	19.800	69.108
	Bidung	41.186	19.800	60.986
	Kanglung	88.858	19.800	108.658
	Kangpar	67.893	19.800	87.693
	Khaling	65.508	19.800	85.308
	Lumang	97.278	19.800	117.078
	Merag	66.064	168.900	234.964
	Phongmed	67.671	19.800	87.471
	Radhi	67.153	19.800	86.953
	Sagteng	116.097	129.170	245.267
	Samkhar	68.885	19.800	88.685
	Shongphu	61.634	19.800	81.434
	Thrimshing	53.365	19.800	73.165
	Udzorong	69.485	19.800	89.285
	Yangnyer	65.182	19.800	84.982
	Total	1,045.567	555.470	1,601.037
Trashigang Yangtse	Bumdeling	85.546	19.800	105.346
	Jamkhar	35.990	19.800	55.790
	Khamdang	91.250	19.800	111.050
	Ramjar	47.282	19.800	67.082

cont...

Table 14.9 cont...

Dzongkhag	Gewog	Resource Allocation Formula (RAF)	Common Minimum Infra-structure (CMI)	Total
Trashigang	Toedtsho	63.419	19.800	83.219
	Tongmajangsa	47.792	19.800	67.592
	Yalang	66.069	19.800	85.869
	Yangtse	68.082	21.000	89.082
	Total	505.430	159.600	665.030
Trongsa	Draagteng	76.941	19.800	96.741
	Korphu	35.850	19.800	55.650
	Langthil	81.486	19.800	101.286
	Nubi	79.635	21.000	100.635
	Tangsibji	43.714	19.800	63.514
	Total	317.626	100.200	417.826
Tsirang	Barshong	43.566	61.800	105.366
	Dunglagang	49.059	19.800	68.859
	Gosarling	45.793	19.800	65.593
	Kilkhorthang	57.603	42.000	99.603
	Mendrelgang	43.408	51.700	95.108
	Patshaling	39.492	19.800	59.292
	Pungtenchhu	45.543	19.800	65.343
	Rangthangling	51.218	40.800	92.018
	Semjong	38.967	19.800	58.767
	Sergithang	48.336	19.800	68.136
	Tsholingkhar	53.588	19.800	73.388
	Tsirang Toed	48.700	61.800	110.500
	Total	565.273	396.700	961.973
Wangdue Phodrang	Athang	45.243	40.800	86.043
	Bjenag	50.719	19.800	70.519
	Dangchhu	39.593	19.800	59.393
	Darkar	61.108	19.800	80.908
	Gangteng	47.722	19.800	67.522
	Gase Tshogongm	59.206	19.800	79.006
	Gase Tshowogm	21.596	19.800	41.396
	Kazhi	48.407	19.800	68.207
	Nahi	29.527	19.800	49.327
	Nyishog	50.257	19.800	70.057
	Phangyuel	31.007	19.800	50.807

cont...

Table 14.9 cont...

Dzongkhag	Gewog	Resource Allocation Formula (RAF)	Common Minimum Infra-structure (CMI)	Total
Wangdue Phodrang	Phobji	47.326	21.000	68.326
	Ruebisa	46.808	19.800	66.608
	Saephu	43.747	19.800	63.547
	Thedtsho	85.195	19.800	104.995
	Total	707.461	319.200	1,026.661
Zhemgang	Bardo	82.830	229.830	312.660
	Bjoka	52.982	156.170	209.152
	Goshing	63.460	19.800	83.260
	Nangkor	73.393	40.800	114.193
	Ngangla	68.077	19.800	87.877
	Phangkhar	54.615	42.000	96.615
	Shingkhar	64.299	74.324	138.623
	Trong	68.323	19.800	88.123
	Total	527.979	602.524	1,130.503
Others		-	216.450	216.450
	Total	-	216.450	216.450
Grand Total		12,000.003	7,855.005	19,855.008

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, 2016 - 2020

(Nu. in Million)

Sectors	2016	2017	2018	2019	2020
1. Agriculture, Livestock & Forestry	20,882.68	23,989.40	26,759.75	28,184.45	32,997.45
1.1 Crops	11,101.64	12,922.58	14,427.86	15,918.43	18,661.26
1.2 Livestock	5,789.16	7,050.34	7,463.70	8,113.62	9,881.32
1.3 Forestry & Logging	3,991.88	4,016.48	4,868.18	4,152.40	4,454.87
2. Mining & Quarrying	6,455.09	6,954.64	8,137.83	8,576.85	2,053.70
3. Manufacturing	11,085.11	11,979.55	12,435.87	12,687.89	10,202.03
4. Electricity & Water Supply	19,909.45	21,766.87	19,602.81	22,657.29	30,485.16
4.1 Electricity	19,874.26	21,728.17	19,560.24	22,611.16	30,435.99
4.2 Water Supply	35.19	38.70	42.58	46.12	49.17
5. Construction	24,280.51	26,068.46	23,753.15	20,465.42	16,301.90
6. Wholesale & Retail Trade	11,798.32	13,460.01	15,042.09	17,378.48	17,954.99
7. Hotels & Restaurants	2,863.56	3,476.78	4,039.76	4,658.17	1,429.14
8. Transport, Storage & Communications	13,157.69	15,119.47	16,720.11	19,070.71	14,991.39
9. Financing, Insurance, Real Estates & Business Services	10,892.39	11,667.34	12,988.13	13,848.44	13,273.34
9.1 Finance & Insurance	7,574.04	7,945.71	9,018.51	9,563.60	8,707.76
9.2 Real Estate & Dwellings	3,176.94	3,408.28	3,593.13	3,832.97	4,115.05
9.3 Business Services	141.41	313.35	376.49	451.87	450.54
10. Public Administration	11,209.69	11,630.59	11,761.29	13,114.91	16,564.86
11. Education & Health	5,142.90	4,717.21	5,580.29	8,844.34	10,276.60
12. Private Social & Recreational Services	532.45	654.69	679.21	704.65	445.39
13. Taxes Net of Subsidies	6,863.02	8,086.67	9,839.68	8,370.13	4,596.96
GDP	145,072.86	159,571.70	167,339.97	178,561.73	171,572.90

Source: National Accounts Statistics 2021, Economic and Environment Statistics Division, NSB

Table 15.2: Percentage Share of GDP by Economic Activity at Current Prices, 2016 - 2020

Sectors	2016	2017	2018	2019	2020
1. Agriculture, Livestock & Forestry	14.39	15.03	15.99	15.78	19.23
1.1 Crops	7.65	8.10	8.62	8.91	10.88
1.2 Livestock	3.99	4.42	4.46	4.54	5.76
1.3 Forestry & Logging	2.75	2.52	2.91	2.33	2.60
2. Mining & Quarrying	4.45	4.36	4.86	4.80	1.20
3. Manufacturing	7.64	7.51	7.43	7.11	5.95
4. Electricity & Water Supply	13.72	13.64	11.71	12.69	17.77
4.1 Electricity	13.70	13.62	11.69	12.66	17.74
4.2 Water Supply	0.02	0.02	0.03	0.03	0.03
5. Construction	16.74	16.34	14.19	11.46	9.50
6. Wholesale & Retail Trade	8.13	8.44	8.99	9.73	10.46
7. Hotels & Restaurants	1.97	2.18	2.41	2.61	0.83
8. Transport, Storage & Communications	9.07	9.48	9.99	10.68	8.74
9. Financing, Insurance, Real Estates & Business Services	7.51	7.31	7.76	7.76	7.74
9.1 Finance & Insurance	5.22	4.98	5.39	5.36	5.08
9.2 Real Estate & Dwellings	2.19	2.14	2.15	2.15	2.40
9.3 Business Services	0.10	0.20	0.22	0.25	0.26
10. Public Administration	7.73	7.29	7.03	7.34	9.65
11. Education & Health	3.55	2.96	3.33	4.95	5.99
12. Private Social & Recreational Services	0.37	0.41	0.41	0.39	0.26
13. Taxes Net of Subsidies	4.73	5.07	5.88	4.69	2.68
Overall GDP	100.00	100.00	100.00	100.00	100.00

Source: National Accounts Statistics 2021, Economic and Environment Statistics Division, NSB

Table 15.3: Sectoral Growth Rates of GDP in Constant Prices, 2015 - 2019

(Nu. in million)

Sectors	2016	2017	2018	2019	2020
1. Agriculture, Livestock & Forestry	4.22	2.95	4.25	1.30	4.57
1.1 Crops	0.94	0.95	4.95	2.12	5.07
1.2 Livestock	6.39	4.41	6.92	2.73	4.60
1.3 Forestry & Logging	-5.40	-5.63	-1.55	-3.07	3.29
2. Mining & Quarrying	11.47	7.01	37.56	33.10	-81.84
3. Manufacturing	2.42	6.46	2.61	-0.01	-20.76
4. Electricity & Water Supply	2.73	-3.81	-14.89	12.12	25.18
4.1. Electricity	2.72	-3.83	-14.94	12.13	25.23
4.2. Water Supply	10.00	10.00	10.00	8.34	6.59
5. Construction	13.64	6.21	-7.99	-14.66	-20.64
6. Wholesale & Retail Trade	12.28	10.41	10.18	13.17	-6.96
7. Hotels & Restaurants	11.51	15.20	10.51	11.65	-73.46
8. Transport, Storage & Communications	8.53	13.34	10.90	13.20	-14.65
9. Financing, Insurance, Real Estates & Business Services	10.70	3.64	11.18	3.43	-8.86
9.1 Finance & Insurance	10.06	2.85	12.82	2.93	-12.08
9.2 Real Estate & Dwellings	12.38	1.11	3.85	4.01	4.87
9.3 Business Services	31.70	111.12	16.96	16.84	-5.68
10. Public Administration	10.61	0.30	-1.53	8.52	19.48
11. Education & Health	3.74	-6.01	15.39	51.09	9.92
12. Private Social & Recreational Services	3.78	20.74	1.54	1.55	-39.48
13. Taxes Net of Subsidies	14.99	10.61	22.12	-15.83	-49.48
Overall GDP	8.13	4.65	3.06	5.76	-10.08

Source: National Accounts Statistics 2021, Economic and Environment Statistics Division, NSB

Table 15.4: Gross Domestic Product by Major Economic Sectors in Current Prices, 2016 - 2020

(Nu. in Million)

Sector	2016	2017	2018	2019	2020
1. Primary	20,882.68	23,989.40	26,759.75	28,184.45	32,997.45
2. Secondary	61,730.16	66,769.53	63,929.66	64,387.45	59,042.79
3. Tertiary	62,460.02	68,812.77	76,650.56	85,989.83	79,532.66
Overall GDP	145,072.86	159,571.70	167,339.97	178,561.73	171,572.90

Source: National Accounts Statistics 2021, Economic and Environment Statistics Division, NSB

Table 15.5: Percentage Share of GDP by Major Sector in Current Prices, 2016 - 2020

Sector	2016	2017	2018	2019	2020
1. Primary	14.39	15.03	15.99	15.78	19.23
2. Secondary	42.55	41.84	38.20	36.06	34.41
3. Tertiary	43.05	43.12	45.81	48.16	46.36
Overall GDP	100.00	100.00	100.00	100.00	100.00

Source: National Accounts Statistics 2021, Economic and Environment Statistics Division, NSB

Table 15.6: Year on Year GDP Growth, 2016 - 2020

(Percent)

Sector	2016	2017	2018	2019	2020
1. Primary	4.22	2.95	4.25	1.30	4.57
2. Secondary	6.94	2.55	-4.98	2.01	-13.10
3. Tertiary	10.32	7.12	10.33	9.75	-10.74
Overall GDP	8.13	4.65	3.06	5.76	-10.08

Source: National Accounts Statistics 2021, Economic and Environment Statistics Division, NSB

Table 15.7: GDP by Expenditure at Current Prices, 2016 - 2020

(Nu. in million)

Description	2016	2017	2018	2019	2020
1. Final Consumption Expenditure	97,443.59	110,249.55	125,443.71	136,371.24	142,258.16
Households & NPISHs	72,382.20	83,434.70	96,800.29	103,768.63	106,379.48
General Government	25,061.39	26,814.84	28,643.42	32,602.61	35,878.69
2. Gross Domestic Capital Formation	82,700.52	82,896.61	79,634.10	67,636.39	57,903.93
a. Construction	55,265.46	57,853.27	52,946.41	45,281.08	34,081.23
b. Machinery & Equipment	26,020.49	24,828.12	25,947.92	21,463.19	21,549.95
c. Software, database dev. (gov)	433.170	357.390	27.40	27.40	2143.44
d. Valuables	95.325	86.50	44.459	89.609	132.768
e. Changes in Inventories	886.075	-228.672	667.92	775.12	-3.45
3. Net Export	-35,071.25	-33,574.46	-37,737.84	-25,445.90	-28,589.19
Export of Goods & Services	42,966.17	48,004.25	51,570.34	60,602.18	51,109.60
Import of Goods & Services	78,037.42	81,578.71	89,308.18	86,048.08	79,698.79
GDP, Expenditure	145,072.86	159,571.70	167,339.97	178,561.73	171,572.90

Source: National Accounts Statistics 2021, Economic and Environment Statistics Division, NSB

Table 15.8: GDP Share of Expenditure at Current Prices, 2016 - 2020

(Percent)

Expenditure	2016	2017	2018	2019	2020
1. Final Consumption Expenditure	67.17	69.09	74.96	76.37	82.91
Households & NPISHs	49.89	52.29	57.85	58.11	62.00
General Government	17.28	16.80	17.12	18.26	20.91
2. Gross Domestic Capital Formation	57.01	51.95	47.59	37.88	33.75
Construction	38.09	36.26	31.64	25.36	19.86
Machinery & Equipment	17.94	15.56	15.51	12.02	12.56
software data base dev.	0.30	0.22	0.02	0.02	1.25
Valuables	0.07	0.05	0.03	0.05	0.08
Changes in Inventories	0.61	-0.14	0.40	0.43	-0.00
3. Net Export	-24.17	-21.04	-22.55	-14.25	-16.66
Export of Goods & Services	29.62	30.08	30.82	33.94	29.79
Import of Goods & Services	53.79	51.12	53.37	48.19	46.45
GDP, Expenditure	100.00	100.00	100.00	100.00	100.00

Source: National Accounts Statistics 2021, Economic and Environment Statistics Division, NSB

Price statistics is an important macro-economic indicator to monitor the overall price movement of the economy. It is essential for formulation of monetary and fiscal policies. It is also used in various other purposes like adjustment of income, GDP deflator, business analysis and for 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. The 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. It was published biannually from 1979 to 2003, and quarterly from third quarter of 2003 till fourth quarter of 2012. Starting from January 2013, it is being published on a monthly basis. CPI is rebased/revised every five years using the updated information from the Bhutan Living Standard Survey Report which is conducted every after five years. The current CPI was rebased using the Bhutan Living Standard Survey 2017. The index reference period is April 2019=100 based on which the relative index changes are compared.

The PPI compilation started since 2nd quarter of 2011 and is published quarterly. The sectors include Logging, Mining & Quarrying, Manufacturing, Electricity & Water supply, Transport and Communication. The classifications used for compilation of PPI are International Standard Industrial Classification (ISIC rev. 4) and Central Product Classification (CPC ver. 2). The weight reference period for PPI is 2010 and the relative index changes are calculated with September 2011 as the index reference period.

Table 16.1: Consumer Price Index and Inflation Rate by Food and Non-food (2019 April = 100)

Period	Index			Inflation Rate		
	Food	Non-Food	All Items	Food	Non-Food	All Items
2020	111.38	101.39	105.84	11.09	1.24	5.63
January	103.44	100.64	101.91	3.90	1.20	2.43
February	103.79	100.59	102.05	4.38	0.88	2.46
March	106.05	100.40	102.96	6.53	0.59	3.26
April	109.24	100.72	104.55	9.24	0.73	4.55
May	108.17	100.52	103.96	8.76	0.42	4.17
June	107.98	101.04	104.17	8.94	0.94	4.54
July	114.44	102.07	107.58	14.91	1.68	7.56
August	114.58	102.14	107.68	14.68	1.65	7.44
September	116.42	101.83	108.29	16.42	1.36	8.02
October	116.90	102.07	108.63	15.45	1.61	7.75
November	117.34	102.12	108.85	14.77	1.72	7.52
December	118.25	102.51	109.46	14.82	2.02	7.72
2019	100.26	100.15	100.20	3.44	2.24	2.73
January	99.55	99.44	99.49	3.58	2.82	3.12
February	99.44	99.71	99.60	3.10	2.95	3.01
March	99.55	99.82	99.71	2.85	3.06	2.98
April	100.00	100.00	100.00	3.43	2.92	3.13
May	99.45	100.09	99.80	2.82	2.72	2.72
June	99.12	100.10	99.65	3.13	2.59	2.74
July	99.59	100.38	100.02	3.61	2.82	3.09
August	99.92	100.48	100.22	3.86	2.14	2.79
September	100.00	100.46	100.25	3.49	1.62	2.33
October	101.26	100.45	100.82	3.90	0.96	2.18
November	102.24	100.40	101.24	4.08	1.02	2.34
December	102.99	100.47	101.62	3.41	1.35	2.32
2018	96.93	97.95	97.54	4.93	1.28	2.72
January	96.11	96.71	96.47	6.70	0.58	2.98
February	96.45	96.85	96.69	5.94	0.46	2.61
March	96.79	96.85	96.83	7.83	0.28	3.23
April	96.68	97.16	96.97	5.50	0.63	2.55
May	96.73	97.44	97.15	5.52	0.74	2.62
June	96.11	97.57	96.99	5.10	0.89	2.55
July	96.12	97.63	97.02	4.00	0.71	2.01

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Table 16.1 cont...

Period	Index			Inflation Rate		
	Food	Non-Food	All Items	Food	Non-Food	All Items
August	96.21	98.37	97.50	3.49	1.24	2.13
September	96.63	98.86	97.96	3.86	1.95	2.71
October	97.46	99.49	98.67	4.00	2.47	3.08
November	98.23	99.39	98.93	3.58	2.76	3.09
December	99.59	99.13	99.31	3.87	2.65	3.13
2017	92.37	96.72	94.95	7.09	3.56	4.96
January	90.08	96.16	93.68	6.35	4.28	5.10
February	91.04	96.41	94.23	7.82	4.22	5.64
March	89.76	96.58	93.80	6.30	4.27	5.08
April	91.64	96.55	94.56	8.38	4.07	5.77
May	91.66	96.72	94.67	8.08	4.07	5.65
June	91.45	96.71	94.58	6.53	3.89	4.94
July	92.42	96.94	95.11	7.24	4.00	5.28
August	92.96	97.17	95.47	7.32	4.04	5.34
September	93.04	96.97	95.38	6.82	3.66	4.91
October	93.71	97.08	95.72	6.96	3.49	4.86
November	94.84	96.72	95.96	6.36	1.98	3.71
December	95.88	96.58	96.30	6.97	0.93	3.30
2016	86.26	93.39	90.47	3.86	2.80	3.22
January	84.70	92.21	89.14	3.16	3.16	3.16
February	84.44	92.50	89.20	2.78	3.12	2.98
March	84.44	92.62	89.27	2.78	3.06	2.95
April	84.55	92.78	89.40	2.84	3.22	3.07
May	84.81	92.94	89.61	3.42	3.22	3.30
June	85.85	93.09	90.13	4.36	3.04	3.56
July	86.18	93.21	90.34	4.05	2.10	2.87
August	86.62	93.40	90.63	3.81	2.21	2.85
September	87.10	93.55	90.92	3.77	2.05	2.74
October	87.61	93.81	91.28	3.78	1.86	2.62
November	89.16	94.84	92.53	5.49	2.90	3.92
December	89.63	95.68	93.22	5.91	3.73	4.60

Source: CPI Report, Economic and Environment Statistics Division, NSB, Thimphu

Table 16.2: Consumer Price Index by Division, 2016 - 2020

Period	Division												Total
	Food and non-alcoholic Beverages	Alcoholic Beverages and Narcotics	Clothing and Footwear	Housing and Utilities	Furnishing, Household Equipment and Routine Maintenance	Health	Transport	Communication	Recreational and Culture	Education	Restaurants and Hotels	Miscellaneous Goods and Services	
2020	111.67	107.51	103.27	102.52	102.95	103.76	100.59	94.27	100.04	104.05	101.00	101.07	105.84
January	103.66	100.47	100.27	100.68	101.64	101.37	100.85	99.99	99.70	101.28	100.09	100.53	101.91
February	104.01	100.82	100.27	100.78	101.67	101.37	100.39	99.99	99.70	103.78	100.15	100.53	102.05
March	106.25	103.32	100.27	100.77	101.67	101.37	99.75	99.99	99.70	103.78	100.15	100.53	102.96
April	109.49	105.85	103.13	102.17	102.29	102.57	97.96	99.99	99.68	103.78	100.71	99.64	104.55
May	108.41	104.91	103.13	101.24	102.29	102.57	97.92	99.99	99.68	103.78	100.71	99.64	103.96
June	108.11	106.21	103.13	103.02	102.29	102.57	99.78	93.63	99.68	103.78	100.71	99.64	104.17
July	114.96	107.63	104.37	103.29	103.66	105.45	101.30	93.91	100.29	104.75	101.06	101.71	107.58
August	114.97	109.45	104.37	103.34	103.66	105.45	101.49	93.91	100.29	104.75	101.06	101.71	107.68
September	116.70	112.70	104.37	103.33	103.62	103.45	101.91	87.57	100.29	104.75	101.06	102.01	108.29
October	114.96	107.63	104.37	103.29	103.66	105.45	101.30	93.91	100.29	104.75	101.06	101.71	108.63
November	117.62	113.57	105.37	103.57	104.27	105.65	101.67	87.41	100.54	104.75	102.21	102.34	108.85
December	118.61	113.57	105.37	104.50	104.27	105.65	102.31	87.41	100.54	104.75	102.21	102.34	109.46
2019	100.29	99.86	100.04	100.20	100.57	100.33	100.07	100.02	99.93	100.64	99.42	100.05	100.20
January	99.52	99.90	99.49	99.95	99.45	100.00	98.19	100.00	99.98	100.00	97.60	99.24	99.49
February	99.40	99.90	99.62	99.97	99.59	100.00	99.34	100.00	99.98	100.00	97.60	99.24	99.60
March	99.52	99.93	99.62	99.98	99.61	100.00	99.83	100.00	99.99	100.00	97.72	99.33	99.71
April	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
May	99.47	99.23	100.00	100.01	100.34	100.00	100.22	100.00	100.00	100.00	100.00	100.00	99.80
June	99.15	98.77	99.99	100.03	100.60	100.00	100.06	100.00	100.00	100.00	100.01	100.83	99.65
July	99.58	99.76	100.39	100.55	101.17	100.02	100.19	100.08	100.04	101.28	100.02	100.33	100.02
August	99.94	99.66	100.39	100.56	101.17	100.02	100.50	100.08	100.04	101.28	100.02	100.33	100.22
September	100.01	99.93	100.39	100.57	101.21	100.02	100.44	100.08	100.04	101.28	100.02	100.33	100.25

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Table 16.2 cont...

Period	Division												Total
	Food and non-alcoholic Beverages	Alcoholic Beverages and Narcotics	Clothing and Footwear	Housing and Utilities	Furnishing, Household Equipment and Routine Maintenance	Health	Transport	Communication	Recreational and Culture	Education	Restaurants and Hotels	Miscellaneous Goods and Services	
October	101.32	100.36	100.20	100.20	101.23	101.32	100.75	99.99	99.69	101.28	100.04	100.34	100.82
November	102.37	100.51	100.20	100.26	101.23	101.32	100.55	99.99	99.69	101.28	100.04	100.34	101.24
December	103.18	100.44	100.20	100.32	101.23	101.32	100.75	99.99	99.69	101.28	100.04	100.34	101.62
2018	96.76	98.94	98.35	97.73	98.06	97.85	97.42	99.79	99.60	99.41	94.29	98.43	97.54
January	95.95	98.14	97.19	96.88	97.46	96.86	94.95	99.71	99.35	96.76	91.85	97.66	96.47
February	96.30	98.24	97.24	96.90	97.47	96.98	95.18	99.72	99.36	99.22	91.85	97.67	96.69
March	96.67	98.31	97.45	96.92	97.47	96.88	94.95	99.72	99.36	99.22	91.85	98.13	96.83
April	96.50	98.87	98.05	96.95	97.51	96.88	95.76	99.69	99.46	99.22	93.44	98.23	96.97
May	96.58	98.54	98.19	96.97	97.51	96.88	97.01	99.69	99.46	99.22	93.44	98.23	97.15
June	95.91	98.63	98.25	96.98	97.51	96.88	97.60	99.69	99.46	99.22	93.17	98.38	96.99
July	95.91	98.75	98.21	97.16	97.58	96.88	97.48	99.69	99.48	100.00	93.17	98.39	97.02
August	95.96	99.26	98.79	98.54	98.40	96.88	97.75	99.83	99.60	100.00	95.38	98.70	97.50
September	96.41	99.30	99.10	98.84	98.76	99.10	98.31	99.83	99.84	100.00	96.65	98.73	97.96
October	97.29	99.54	99.16	98.85	98.85	100.00	100.95	99.96	99.86	100.00	96.65	98.93	98.67
November	98.11	99.75	99.18	98.87	98.94	100.00	100.37	99.96	99.97	100.00	96.69	99.01	98.93
December	99.56	99.89	99.42	98.89	99.21	100.00	98.69	99.96	99.98	100.00	97.37	99.15	99.31
2017	92.21	94.45	95.85	96.37	96.48	95.97	98.11	99.71	99.18	96.22	89.13	96.29	94.95
January	89.87	92.70	94.97	95.70	95.63	94.94	98.46	99.69	98.97	93.68	88.31	95.01	93.68
February	90.89	92.87	95.50	95.72	95.88	95.63	98.54	99.70	99.02	96.10	88.45	95.46	94.23
March	89.51	92.87	95.50	95.72	96.08	95.64	99.35	99.70	99.07	96.10	88.45	95.60	93.80
April	91.51	93.27	95.53	95.81	96.16	95.64	98.94	99.70	99.12	96.10	88.58	95.61	94.56
May	91.53	93.29	95.50	96.27	96.16	95.64	98.98	99.70	99.16	96.10	88.58	95.62	94.67

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Table 16.2 cont...

Period	Division												Total
	Food and non-alcoholic Beverages	Alcoholic Beverages and Narcotics	Clothing and Footwear	Housing and Utilities	Furnishing, Household Equipment and Routine Household Maintenance	Health	Transport	Communication	Recreational and Culture	Education	Restaurants and Hotels	Miscellaneous Goods and Services	
June	91.30	93.31	95.42	96.35	96.41	95.64	98.78	99.72	99.17	96.10	88.58	95.67	94.58
July	92.26	94.49	95.93	96.71	96.74	95.99	98.45	99.71	99.22	96.76	88.41	96.40	95.11
August	92.75	95.53	96.33	96.82	96.87	96.42	98.77	99.71	99.14	96.76	88.91	96.89	95.47
September	92.84	95.52	96.14	96.81	96.77	96.45	97.95	99.71	99.21	96.76	88.91	96.90	95.38
October	93.54	95.70	96.33	96.83	96.84	96.42	98.08	99.71	99.37	96.76	90.19	97.34	95.72
November	94.74	96.04	96.35	96.84	96.86	96.42	96.19	99.71	99.35	96.76	90.45	97.32	95.96
December	95.73	97.79	96.66	96.84	97.38	96.86	94.79	99.71	99.35	96.76	91.73	97.62	96.30
2016	85.81	91.98	92.42	90.74	95.16	94.98	96.28	99.70	98.02	92.78	87.00	94.42	90.47
January	84.20	91.14	91.48	89.48	94.44	95.12	94.43	99.70	97.83	87.69	86.63	93.49	89.14
February	83.89	91.45	91.58	89.71	95.21	95.12	94.40	99.70	98.00	92.73	86.78	94.09	89.20
March	83.88	91.54	91.59	89.71	95.21	95.12	94.97	99.70	97.97	92.73	86.85	94.16	89.27
April	84.00	91.60	91.58	89.93	95.13	95.13	95.34	99.70	97.97	92.73	86.85	94.27	89.40
May	84.24	92.07	91.85	90.25	94.91	94.67	95.73	99.70	97.56	92.73	86.49	94.06	89.61
June	85.35	92.13	91.91	90.25	94.89	94.94	96.31	99.70	97.51	92.73	86.80	94.25	90.13
July	85.71	92.14	92.20	90.25	95.08	94.94	96.51	99.69	97.43	93.68	86.80	94.43	90.34
August	86.18	92.16	92.78	90.27	95.21	94.94	96.91	99.69	97.47	93.68	86.80	94.61	90.63
September	86.70	92.16	92.77	90.42	95.44	94.94	97.36	99.69	97.48	93.68	86.80	94.76	90.92
October	87.24	92.29	93.61	90.47	95.44	94.94	97.59	99.69	99.09	93.68	86.92	94.83	91.28
November	88.89	92.55	93.83	92.95	95.50	94.94	97.84	99.69	99.00	93.68	88.16	95.05	92.53
December	89.40	92.55	93.83	95.17	95.50	94.94	97.97	99.69	99.00	93.68	88.16	95.05	93.22

Source: CPI Report, Economic and Environment Statistics Division, NSB, Thimphu

Table 16.3: Year-on-Year Percent change by Division, 2016 - 2020

Period	Division											Total		
	Food and non-alcoholic Beverages	Alcoholic Beverages and Narcotics	Clothing and Footwear	Housing and Utilities	Furnishing, Household Equipment and Routine Maintenance.	Health	Transport	Communication	Recreational and Culture	Education	Restuarents and Hotels	Miscellaneous Goods and Services	1.90	100.00
2020	42.80	3.20	9.20	11.60	4.40	0.80	15.60	3.20	2.30	1.30	3.60	1.90	100.00	
January	11.35	7.66	3.23	2.32	2.37	3.41	0.52	-5.75	0.12	3.39	1.59	1.02	5.63	
February	4.16	0.58	0.78	0.73	2.20	1.37	2.72	-0.01	-0.28	1.28	2.56	1.30	2.43	
March	4.64	0.93	0.65	0.81	2.09	1.37	1.05	-0.01	-0.28	3.78	2.61	1.30	2.46	
April	6.77	3.39	0.65	0.79	2.07	1.37	-0.08	-0.01	-0.28	3.78	2.49	1.21	3.26	
May	9.49	5.85	3.14	2.17	2.29	2.57	-2.04	-0.01	-0.32	3.78	0.71	-0.36	4.55	
June	8.99	5.73	3.14	1.23	1.94	2.57	-2.29	-0.01	-0.32	3.78	0.71	-0.36	4.17	
July	9.04	7.53	3.15	2.99	1.67	2.57	-0.27	-6.37	-0.32	3.78	0.70	-1.18	4.54	
August	15.45	7.89	3.97	2.73	2.46	5.43	1.11	-6.16	0.25	3.42	1.04	1.38	7.56	
September	15.04	9.82	3.97	2.76	2.46	5.43	0.99	-6.16	0.25	3.42	1.04	1.38	7.44	
October	16.69	12.77	3.97	2.74	2.38	5.43	1.47	-12.50	0.25	3.42	1.04	1.68	8.02	
November	15.76	11.27	5.02	3.34	2.88	4.27	0.94	-12.58	0.76	3.42	1.88	1.88	7.75	
December	14.90	13.00	5.16	3.30	3.00	4.27	1.12	-12.58	0.86	3.42	2.17	1.99	7.52	
2019	14.95	13.07	5.16	4.16	3.00	4.27	1.55	-12.58	0.86	3.42	2.17	1.99	7.72	
January	3.64	0.94	1.72	2.53	2.56	2.54	2.72	0.23	0.33	1.24	5.44	1.65	2.73	
February	3.73	1.79	2.37	3.17	2.04	3.24	3.41	0.29	0.63	3.35	6.26	1.62	3.12	
March	3.21	1.68	2.45	3.16	2.17	3.11	4.38	0.28	0.63	0.78	6.26	1.61	3.01	
April	2.95	1.66	2.23	3.16	2.20	3.22	5.14	0.28	0.63	0.78	6.39	1.22	2.98	
May	3.62	1.15	1.99	3.15	2.55	3.22	4.43	0.31	0.54	0.78	7.02	1.80	3.13	
June	2.99	0.71	1.84	3.14	2.90	3.22	3.31	0.31	0.54	0.78	7.02	1.80	2.72	
July	3.37	0.14	1.77	3.14	3.17	3.22	2.52	0.31	0.55	0.78	7.33	2.49	2.74	
August	3.83	1.02	2.21	3.49	3.68	3.24	2.78	0.39	0.56	1.28	4.86	1.64	3.09	
	4.15	0.40	1.62	2.05	2.82	3.24	2.82	0.25	0.44	1.28	4.86	1.64	2.79	

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Table 16.3 cont...

Period	Division												Total
	Food and non-alcoholic Beverages	Alcoholic Beverages and Narcotics	Clothing and Footwear	Housing and Utilities	Furnishing, Household Equipment and Routine Maintenance,	Health	Transport	Communication	Recreational and Culture	Education	Restaurants and Hotels	Miscellaneous Goods and Services	
	42.80	3.20	9.20	11.60	4.40	0.80	15.60	3.20	2.30	1.30	3.60	1.90	100.00
September	3.73	0.64	1.30	1.75	2.48	0.93	2.16	0.25	0.21	1.28	3.48	1.61	2.33
October	4.15	0.82	1.05	1.36	2.41	1.32	-0.20	0.03	-0.18	1.28	3.51	1.43	2.18
November	4.34	0.75	1.03	1.41	2.32	1.32	0.18	0.03	-0.29	1.28	3.47	1.34	2.34
December	3.63	0.55	0.78	1.45	2.04	1.32	2.09	0.03	-0.30	1.28	2.74	1.20	2.32
2018	4.94	4.75	2.61	1.41	1.63	1.96	-0.70	0.08	0.42	3.31	5.79	2.23	2.72
January	6.76	5.87	2.34	1.23	1.92	2.02	-3.57	0.01	0.39	3.29	4.00	2.78	2.98
February	5.95	5.79	1.82	1.24	1.65	1.41	-3.42	0.02	0.34	3.25	3.84	2.32	2.61
March	8.00	5.86	2.04	1.26	1.45	1.29	-4.42	0.02	0.29	3.25	3.84	2.65	3.23
April	5.46	6.00	2.64	1.19	1.40	1.29	-3.22	-0.01	0.34	3.25	5.49	2.74	2.55
May	5.52	5.62	2.81	0.73	1.40	1.29	-2.00	-0.01	0.31	3.25	5.49	2.73	2.62
June	5.05	5.69	2.97	0.65	1.15	1.29	-1.19	-0.03	0.29	3.25	5.19	2.83	2.55
July	3.96	4.50	2.38	0.46	0.86	0.93	-0.98	-0.02	0.27	3.35	5.38	2.07	2.01
August	3.45	3.91	2.56	1.77	1.57	0.48	-1.04	0.12	0.47	3.35	7.28	1.87	2.13
September	3.85	3.96	3.08	2.09	2.05	2.75	0.38	0.12	0.63	3.35	8.71	1.89	2.71
October	4.00	4.02	2.93	2.09	2.08	3.72	2.93	0.25	0.50	3.35	7.17	1.63	3.08
November	3.56	3.87	2.93	2.10	2.15	3.72	4.34	0.25	0.63	3.35	6.90	1.74	3.09
December	4.01	2.15	2.86	2.11	1.88	3.24	4.11	0.25	0.63	3.35	6.15	1.57	3.13
2017	7.46	2.68	3.71	6.21	1.39	1.05	1.90	0.01	1.18	3.71	2.44	1.98	4.96
January	6.74	1.71	3.81	6.96	1.26	-0.18	4.27	-0.01	1.17	6.83	1.95	1.63	5.10
February	8.35	1.55	4.28	6.70	0.71	0.53	4.39	-0.01	1.04	3.63	1.93	1.45	5.64
March	6.71	1.45	4.27	6.70	0.91	0.55	4.60	-0.00	1.12	3.63	1.85	1.52	5.08

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Table 16.3 cont...

Period	Division												Total
	Food and non-alcoholic Beverages	Alcoholic Beverages and Narcotics	Clothing and Footwear	Housing and Utilities	Furnishing, Household Equipment and Routine Maintenance.	Health	Transport	Communication	Recreational and Culture	Education	Restaurants and Hotels	Miscellaneous Goods and Services	
	42.80	3.20	9.20	11.60	4.40	0.80	15.60	3.20	2.30	1.30	3.60	1.90	100.00
April	8.94	1.83	4.31	6.54	1.09	0.54	3.78	-0.00	1.17	3.63	2.00	1.42	5.77
May	8.65	1.33	3.98	6.66	1.32	1.03	3.40	-0.00	1.63	3.63	2.42	1.65	5.65
June	6.98	1.28	3.81	6.76	1.60	0.74	2.56	0.02	1.70	3.63	2.05	1.51	4.94
July	7.64	2.55	4.05	7.16	1.75	1.10	2.01	0.02	1.84	3.29	1.86	2.08	5.28
August	7.63	3.66	3.82	7.26	1.74	1.55	1.93	0.01	1.71	3.29	2.42	2.41	5.34
September	7.08	3.64	3.63	7.07	1.40	1.58	0.61	0.01	1.77	3.29	2.42	2.26	4.91
October	7.23	3.69	2.91	7.03	1.46	1.55	0.50	0.01	0.28	3.29	3.76	2.65	4.86
November	6.58	3.78	2.69	4.19	1.42	1.55	-1.68	0.01	0.36	3.29	2.59	2.39	3.71
December	7.08	5.66	3.02	1.75	1.96	2.02	-3.24	0.01	0.36	3.29	4.05	2.71	3.30
2016	4.02	1.90	2.97	3.22	1.85	0.80	3.73	0.05	-0.58	6.88	3.19	2.48	3.22
January	3.23	2.29	3.79	3.54	1.65	1.80	3.60	0.15	-0.31	6.71	5.81	2.65	3.16
February	2.82	2.27	3.23	3.32	2.30	1.49	4.12	0.15	-0.16	6.97	5.97	2.89	2.98
March	2.88	1.55	3.17	3.32	2.13	1.07	4.20	0.15	-0.44	6.97	4.82	2.97	2.95
April	2.93	1.65	3.24	3.39	2.07	1.08	5.00	0.15	-0.32	6.97	3.99	2.68	3.07
May	3.52	2.25	3.44	3.73	1.98	0.59	4.73	-0.08	-1.05	6.97	3.09	2.50	3.30
June	4.50	2.61	2.50	3.72	1.87	0.66	4.58	0.06	-1.19	6.97	2.95	2.40	3.56
July	4.23	1.91	2.42	2.22	1.87	0.66	2.69	0.05	-1.53	6.83	2.95	2.45	2.87
August	3.99	1.74	2.83	2.22	1.83	0.65	3.05	-0.01	-1.46	6.83	1.96	2.41	2.85
September	3.96	1.49	2.66	1.88	2.02	0.61	3.05	-0.01	-1.50	6.83	1.78	2.35	2.74
October	3.96	1.69	2.93	1.10	1.60	0.69	3.11	-0.01	-0.02	6.83	1.40	2.14	2.62
November	5.81	1.72	2.92	3.88	1.57	0.54	3.29	-0.01	-0.14	6.83	2.12	2.29	3.92
December	6.27	1.65	2.58	6.37	1.38	-0.26	3.49	-0.01	1.20	6.83	1.77	2.01	4.60

Source: CPI Report, Economic and Environment Statistics Division, NSB, Thimphu

Table 16.4: Producer Price Index (PPI) by Industry (September 2011=100), 2016 - 2020

Period	Sectors							All Industry
	Agriculture, Forestry and Logging	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning supply	Water supply; sewerage, waste management and remediation activities	Transport and Storage	Information and communication	
2020	134.57	127.43	125.64	124.40	109.39	130.84	84.02	123.40
January	134.79	126.57	121.86	124.16	109.39	129.24	89.57	121.76
February	134.79	126.57	127.14	124.16	109.39	129.32	89.57	124.25
March	134.79	126.57	128.30	124.16	109.39	131.00	89.57	124.88
April	134.79	126.57	127.63	124.16	109.39	131.90	82.17	124.14
May	134.79	126.57	128.14	124.16	109.39	131.65	82.17	124.36
June	134.79	126.57	125.52	124.16	109.39	131.67	82.17	123.14
July	134.36	128.29	120.77	124.65	109.39	131.34	82.17	121.14
August	134.36	128.29	120.11	124.65	109.39	131.17	82.17	120.82
September	134.36	128.29	127.78	124.65	109.39	130.60	82.17	124.40
October	134.36	128.29	126.91	124.65	109.39	130.59	82.17	124.00
November	134.36	128.29	125.34	124.65	109.39	130.98	82.17	123.29
December	134.36	128.29	128.14	124.65	109.39	130.68	82.17	124.57
2019	134.79	126.09	120.45	124.16	109.39	128.61	89.57	121.01
January	134.79	125.99	125.76	124.16	109.39	128.60	89.57	123.53
February	134.79	125.72	124.28	124.16	109.39	128.83	89.57	122.83
March	134.79	125.43	123.86	124.16	109.39	127.95	89.57	122.57
April	134.79	125.89	123.05	124.16	109.39	127.93	89.57	122.21
May	134.79	125.89	122.92	124.16	109.39	128.11	89.57	122.16
June	134.79	125.89	120.97	124.16	109.39	127.93	89.57	121.22
July	134.79	126.92	120.57	124.16	109.39	127.96	89.57	121.09
August	134.79	126.10	117.69	124.16	109.39	129.15	89.57	119.72
September	134.79	125.59	115.84	124.16	109.39	129.24	89.57	118.80
October	134.79	126.57	115.89	124.16	109.39	129.10	89.57	118.87
November	134.79	126.57	116.19	124.16	109.39	129.29	89.57	119.03

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Table 16.4 cont...

Period	Sectors							All Industry
	Agriculture, Forestry and Logging	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning supply	Water supply; sewerage, waste management and remediation activities	Transport and Storage	Information and communication	
December 2018	134.79	126.57	118.36	124.16	109.39	129.17	89.57	120.07
January	134.79	124.66	131.27	123.98	109.39	123.74	89.57	125.65
February	134.79	122.77	130.98	123.80	109.39	120.11	89.57	125.13
March	134.79	122.68	133.29	123.80	109.39	120.49	89.57	126.19
April	134.79	122.70	131.49	123.80	109.39	120.82	89.57	125.39
May	134.79	124.86	131.67	123.80	109.39	121.15	89.57	125.62
June	134.79	125.56	132.48	123.80	109.39	122.10	89.57	126.09
July	134.79	125.17	132.42	123.80	109.39	122.23	89.57	126.05
August	134.79	124.98	132.34	124.16	109.39	122.68	89.57	126.16
September	134.79	126.01	131.55	124.16	109.39	123.09	89.57	125.88
October	134.79	125.19	128.92	124.16	109.39	124.42	89.57	124.71
November	134.79	125.17	130.06	124.16	109.39	130.02	89.57	125.56
December 2017	134.79	125.46	130.41	124.16	109.39	129.13	89.57	125.68
January	134.79	125.38	129.69	124.16	109.39	128.64	89.57	125.32
February	134.79	127.68	118.50	123.80	109.39	128.67	89.71	120.05
March	134.79	127.85	113.49	123.80	109.39	130.32	89.76	117.72
April	134.79	129.22	113.80	123.80	109.39	129.60	89.76	117.90
May	134.79	127.84	117.08	123.80	109.39	129.16	89.76	119.41
June	134.79	127.41	120.74	123.80	109.39	128.39	89.76	121.11
July	134.79	127.49	120.35	123.80	109.39	128.34	89.76	120.93
August	134.79	125.85	120.28	123.80	109.39	128.35	89.76	120.80
September	134.79	127.47	118.79	123.80	109.39	128.35	89.76	120.17
	134.79	127.84	116.16	123.80	109.39	128.09	89.76	118.90
	134.79	126.40	118.56	123.80	109.39	128.36	89.76	120.01

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Table 16.4 cont...

Period	Sectors							All Industry
	Agriculture, Forestry and Logging	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning supply	Water supply; sewerage, waste management and remediation activities	Transport and Storage	Information and communication	
October	134.79	128.16	119.90	123.80	109.39	128.71	89.57	120.76
November	134.79	128.40	121.26	123.80	109.39	128.59	89.57	121.41
December	134.79	128.21	121.56	123.80	109.39	127.74	89.57	121.50
2016	131.53	123.97	112.46	114.99	109.39	122.52	89.76	113.54
January	131.53	122.65	113.42	114.99	109.39	118.90	89.76	113.73
February	131.53	121.19	110.60	114.99	109.39	119.36	89.76	112.32
March	131.53	123.98	112.62	114.99	109.39	118.77	89.76	113.41
April	131.53	124.07	114.43	114.99	109.39	118.50	89.76	114.27
May	131.53	124.07	113.22	114.99	109.39	118.71	89.76	113.70
June	131.53	123.54	112.69	114.99	109.39	118.90	89.76	113.43
July	131.53	123.81	112.11	114.99	109.39	118.87	89.76	113.17
August	131.53	123.81	110.83	114.99	109.39	118.73	89.76	112.54
September	131.53	123.81	112.29	114.99	109.39	129.60	89.76	113.83
October	131.53	125.08	112.41	114.99	109.39	129.61	89.76	113.96
November	131.53	126.09	111.97	114.99	109.39	130.03	89.76	113.82
December	131.53	125.56	112.97	114.99	109.39	130.22	89.76	114.29

Source: Quarterly PPI Publication, Economic and Environment Statistics Division, NSB, Thimphu

Table 16.5: Annual Percentage Change in Producer Price Index (PPI) by Industry, 2016 - 2020

Month/Share (%)	Sectors							
	Agriculture, Forestry and Logging	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning supply	Water supply; sewerage, waste management and remediation activities	Transport and Storage	Information and communication	All Industry
2020	0.72	0.95	0.35	0.02	4.07	0.00	0.00	6.10
January	-0.16	1.06	4.39	0.20	0.00	1.74	-6.20	1.99
February	0.00	0.47	-3.10	0.00	0.00	0.50	0.00	-1.43
March	0.00	0.68	2.29	0.00	0.00	0.38	0.00	1.15
April	0.00	0.91	3.58	0.00	0.00	2.38	0.00	1.89
May	0.00	0.54	3.72	0.00	0.00	3.10	-8.26	1.58
June	0.00	0.54	4.24	0.00	0.00	2.76	-8.26	1.80
July	0.00	0.54	3.76	0.00	0.00	2.92	-8.26	1.59
August	-0.32	1.08	0.17	0.39	0.00	2.64	-8.26	0.05
September	-0.32	1.74	2.06	0.39	0.00	1.56	-8.26	0.92
October	-0.32	2.15	10.31	0.39	0.00	1.05	-8.26	4.72
November	-0.32	1.36	9.51	0.39	0.00	1.15	-8.26	4.32
December	-0.32	1.36	7.87	0.39	0.00	1.30	-8.26	3.58
2019	-0.32	1.36	8.26	0.39	0.00	1.17	-8.26	3.75
January	0.00	1.16	-8.25	0.07	0.00	4.00	0.00	-3.72
February	0.00	2.62	-3.99	0.15	0.00	7.06	0.00	-1.33
March	0.00	2.48	-6.75	0.15	0.00	6.92	0.00	-2.71
April	0.00	2.23	-5.80	0.15	0.00	5.90	0.00	-2.30
May	0.00	0.82	-6.54	0.15	0.00	5.59	0.00	-2.77
June	0.00	0.26	-7.22	0.15	0.00	4.92	0.00	-3.17
July	0.00	0.57	-8.64	0.15	0.00	4.67	0.00	-3.88
August	0.00	1.55	-8.90	0.00	0.00	4.31	0.00	-4.02
September	0.00	0.07	-10.53	0.00	0.00	4.93	0.00	-4.89
October	0.00	0.32	-10.15	0.00	0.00	3.87	0.00	-4.74
	0.00	1.12	-10.89	0.00	0.00	-0.71	0.00	-5.33

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Table 16.5 cont...

Month/Share (%)	Sectors							
	Agriculture, Forestry and Logging	Mining and quarrying	Manufacturing	Electricity gas, steam and air conditioning supply	Water supply; sewerage, waste management and remediation activities	Transport and Storage	Information and communication	All Industry
	0.72	0.95	0.35	0.02	4.07	0.00	0.00	6.10
November	0.00	0.89	-10.90	0.00	0.00	0.12	0.00	-5.30
December	0.00	0.95	-8.73	0.00	0.00	0.42	0.00	-4.19
2018	0.00	-2.36	10.85	0.14	0.00	-3.82	-0.15	4.67
January	0.00	-3.97	15.41	0.14	0.00	-7.83	-0.20	6.35
February	0.00	-5.06	17.12	0.14	0.00	-7.03	-0.20	7.08
March	0.00	-4.02	12.30	0.14	0.00	-6.46	-0.20	5.06
April	0.00	-2.00	9.05	0.14	0.00	-5.64	-0.20	3.78
May	0.00	-1.51	10.08	0.14	0.00	-4.86	-0.20	4.33
June	0.00	-0.54	10.09	0.14	0.00	-4.77	-0.20	4.40
July	0.00	-1.95	11.41	0.15	0.00	-4.42	-0.20	4.93
August	0.00	-1.43	13.25	0.15	0.00	-3.91	-0.20	5.81
September	0.00	-0.95	8.74	0.15	0.00	-3.07	-0.20	3.87
October	0.00	-2.33	8.47	0.15	0.00	1.02	0.00	3.93
November	0.00	-2.29	7.55	0.15	0.00	0.42	0.00	3.47
December	0.00	-2.21	6.69	0.15	0.00	0.70	0.00	3.10
2017	2.48	2.96	5.37	7.74	0.00	5.21	-0.05	5.76
January	2.48	4.83	0.06	7.66	0.00	9.61	0.00	3.53
February	2.48	6.39	2.90	7.66	0.00	8.58	0.00	4.95
March	2.48	2.89	3.97	7.66	0.00	8.75	0.00	5.28
April	2.48	2.48	5.52	7.66	0.00	8.35	0.00	5.98
May	2.48	2.54	6.30	7.66	0.00	8.11	0.00	6.34
June	2.48	1.65	6.73	7.66	0.00	7.95	0.00	6.48
July	2.48	2.96	5.96	7.81	0.00	7.98	0.00	6.25

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Table 16.5 cont...

Month/Share (%)	Sectors							
	Agriculture, Forestry and Logging	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning supply	Water supply; sewerage, waste management and remediation activities	Transport and Storage	Information and communication	All Industry
	0.72	0.95	0.35	0.02	4.07	0.00	0.00	6.10
August	2.48	3.25	4.81	7.81	0.00	7.88	0.00	5.71
September	2.48	2.09	5.59	7.81	0.00	-0.95	0.00	5.48
October	2.48	2.46	6.67	7.81	0.00	-0.70	-0.20	6.02
November	2.48	1.83	8.29	7.81	0.00	-1.11	-0.20	6.72
December	2.48	2.11	7.60	7.81	0.00	-1.91	-0.20	6.36
2016	8.52	4.15	0.85	0.87	0.00	2.76	0.00	1.15
January	17.04	4.75	2.97	1.74	0.00	-0.19	0.00	2.40
February	17.04	3.04	0.91	1.74	0.00	-0.70	0.00	1.29
March	17.04	6.29	2.65	1.74	0.00	-1.38	0.00	2.26
April	17.04	6.08	6.58	1.74	0.00	-1.91	0.00	4.07
May	17.04	5.74	6.01	1.74	0.00	-2.20	0.00	3.77
June	17.04	5.05	5.71	1.74	0.00	-2.05	0.00	3.60
July	0.00	3.95	-3.71	0.00	0.00	1.52	0.00	-1.48
August	0.00	3.65	-4.61	0.00	0.00	0.79	0.00	-1.98
September	0.00	3.46	-3.17	0.00	0.00	9.49	0.00	-0.80
October	0.00	2.40	-3.06	0.00	0.00	9.94	0.00	-0.78
November	0.00	3.00	0.50	0.00	0.00	9.92	0.00	0.97
December	0.00	2.39	-0.53	0.00	0.00	9.83	0.00	0.44

Source: Quarterly PPI Publication, Economic and Environment Statistics Division, NSB, Thimphu

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Table 16.6: Producer Price Index (PPI) by Product

Period	Section							Business and production services	All Product
	Agriculture, Forestry and Fishery Products	Ores and Minerals; Electricity, gas and water	Food products, beverages and tobacco; textiles, apparel and leather products	Other transportable goods, except metal products, machinery and equipment	Metal products, machinery and equipment	Distributive trade services; accommodation, food and beverage serving services; transport services; and electricity, gas and water distribution services			
2020	134.57	127.43	114.61	119.72	130.43	125.27	84.02	123.40	
January	134.79	126.57	114.48	118.78	124.50	124.84	89.57	121.76	
February	134.79	126.57	114.48	119.10	133.37	124.85	89.57	124.25	
March	134.79	126.57	114.50	120.09	134.80	125.08	89.57	124.88	
April	134.79	126.57	114.47	120.02	133.68	125.21	82.17	124.14	
May	134.79	126.57	114.41	120.02	134.57	125.17	82.17	124.36	
June	134.79	126.57	114.71	118.95	130.62	125.17	82.17	123.14	
July	134.36	128.29	114.71	120.44	121.72	125.55	82.17	121.14	
August	134.36	128.29	114.71	120.01	120.86	125.53	82.17	120.82	
September	134.36	128.29	114.71	119.80	134.04	125.45	82.17	124.40	
October	134.36	128.29	114.71	119.81	132.53	125.45	82.17	124.00	
November	134.36	128.29	114.71	119.81	129.82	125.50	82.17	123.29	
December	134.36	128.29	114.71	119.81	134.65	125.46	82.17	124.57	
2019	134.79	126.09	113.98	118.67	122.31	124.75	89.57	121.01	
January	134.79	125.99	113.72	117.40	132.10	124.75	89.57	123.53	
February	134.79	125.72	113.73	116.76	129.92	124.78	89.57	122.83	
March	134.79	125.43	113.73	117.06	129.01	124.66	89.57	122.57	
April	134.79	125.89	114.01	119.05	126.43	124.66	89.57	122.21	
May	134.79	125.89	114.02	119.16	126.15	124.69	89.57	122.16	
June	134.79	125.89	114.00	119.87	122.46	124.66	89.57	121.22	
July	134.79	126.92	114.00	120.19	121.61	124.66	89.57	121.09	
August	134.79	126.10	114.00	118.54	117.70	124.83	89.57	119.72	
September	134.79	125.59	114.00	119.23	114.30	124.84	89.57	118.80	

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Table 16.6 cont...

Period	Section							Business and production services	All Product
	Agriculture, Forestry and Fishery Products	Ores and Minerals; Electricity, gas and water	Food products, beverages and tobacco; textiles, apparel and leather products	Other transportable goods, except metal products, machinery and equipment	Metal products, machinery and equipment	Distributive trade services; accommodation, food and beverage serving services; transport services; and electricity, gas and water distribution services			
October	134.79	126.57	114.21	119.30	114.32	124.82	89.57	118.87	
November	134.79	126.57	114.20	119.25	114.84	124.85	89.57	119.03	
December	134.79	126.57	114.21	118.28	118.93	124.83	89.57	120.07	
2018	134.79	124.66	113.52	117.56	141.78	123.91	89.57	125.65	
January	134.79	122.77	113.56	117.75	141.12	123.24	89.57	125.13	
February	134.79	122.68	113.55	118.08	145.04	123.29	89.57	126.19	
March	134.79	122.70	113.59	118.48	141.55	123.34	89.57	125.39	
April	134.79	124.86	113.46	118.92	141.61	123.39	89.57	125.62	
May	134.79	125.56	113.39	120.27	142.22	123.53	89.57	126.09	
June	134.79	125.17	113.39	117.39	143.95	123.55	89.57	126.05	
July	134.79	124.98	113.58	116.03	144.68	123.92	89.57	126.16	
August	134.79	126.01	113.57	115.99	143.28	123.97	89.57	125.88	
September	134.79	125.19	113.54	116.41	138.31	124.17	89.57	124.71	
October	134.79	125.17	113.53	116.81	140.08	124.95	89.57	125.56	
November	134.79	125.46	113.53	117.15	140.49	124.83	89.57	125.68	
December	134.79	125.38	113.51	117.42	139.04	124.76	89.57	125.32	
2017	134.79	127.68	112.65	121.79	117.56	124.46	89.71	120.05	
January	134.79	127.85	112.34	119.70	110.45	124.69	89.76	117.72	
February	134.79	129.22	112.34	120.64	110.49	124.59	89.76	117.90	
March	134.79	127.84	112.29	121.96	115.15	124.53	89.76	119.41	
April	134.79	127.41	112.63	126.06	119.01	124.42	89.76	121.11	
May	134.79	127.49	112.38	127.34	117.77	124.41	89.76	120.93	

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Table 16.6 cont...

Period	Section							Business and production services	All Product
	Agriculture, Forestry and Fishery Products	Ores and Minerals; Electricity, gas and water	Food products, beverages and tobacco; textiles, apparel and leather products	Other transportable goods, except metal products, machinery and equipment	Metal products, machinery and equipment	Distributive trade services; accommodation, food and beverage serving services; transport services; and electricity, gas and water distribution services			
June	134.79	125.85	112.44	127.44	117.59	124.41	89.76	120.80	
July	134.79	127.47	112.91	123.34	117.16	124.41	89.76	120.17	
August	134.79	127.84	112.91	118.88	115.13	124.38	89.76	118.90	
September	134.79	126.40	112.91	120.07	118.48	124.42	89.76	120.01	
October	134.79	128.16	112.83	118.68	121.47	124.46	89.57	120.76	
November	134.79	128.40	112.84	118.68	123.76	124.45	89.57	121.41	
December	134.79	128.21	113.05	118.68	124.23	124.33	89.57	121.50	
2016	131.53	124.13	111.39	120.99	108.29	116.01	89.76	113.55	
January	131.53	122.65	110.80	121.19	109.79	115.53	89.76	113.73	
February	131.53	122.14	110.08	121.57	105.21	115.60	89.76	112.37	
March	131.53	124.92	110.20	121.95	108.22	115.51	89.76	113.46	
April	131.53	124.07	110.74	121.61	111.21	115.48	89.76	114.27	
May	131.53	124.07	110.75	121.71	109.23	115.50	89.76	113.70	
June	131.53	123.54	110.83	121.14	108.65	115.53	89.76	113.43	
July	131.53	123.81	112.06	120.69	107.79	115.53	89.76	113.17	
August	131.53	123.81	112.06	120.72	105.73	115.51	89.76	112.54	
September	131.53	123.81	112.28	120.62	108.08	116.96	89.76	113.83	
October	131.53	125.08	112.27	121.32	107.93	116.97	89.76	113.96	
November	131.53	126.09	112.32	119.49	108.11	117.02	89.76	113.82	
December	131.53	125.56	112.34	119.87	109.52	117.04	89.76	114.29	

Source: Quarterly PPI Publication, Economic and Environment Statistics Division, NSB, Thimphu

Table 16.7: Annual Percentage Change in Producer Price Index (PPI) by Product, 2016 - 2020

Period	Section							
	Agriculture, Forestry and Fishery Products	Ores and Minerals; Electricity, gas and water	Food products, beverages and tobacco; textiles, apparel and leather products	Other transportable goods, except metal products and machinery and equipment	Metal products, machinery and equipment	Distributive trade services; accommodation, food and beverage serving services; transport services; and electricity, gas and water distribution services	Business and production services	All Product
2020	-0.16	1.06	0.55	0.89	6.89	0.42	-6.20	1.99
January	0.00	0.47	0.67	1.18	-5.76	0.07	0.00	-1.43
February	0.00	0.68	0.66	2.01	2.65	0.05	0.00	1.15
March	0.00	0.91	0.68	2.59	4.49	0.34	0.00	1.89
April	0.00	0.54	0.40	0.81	5.74	0.44	-8.26	1.58
May	0.00	0.54	0.34	0.72	6.67	0.39	-8.26	1.80
June	0.00	0.54	0.63	-0.77	6.66	0.41	-8.26	1.59
July	-0.32	1.08	0.63	0.21	0.09	0.71	-8.26	0.05
August	-0.32	1.74	0.63	1.24	2.68	0.56	-8.26	0.92
September	-0.32	2.15	0.63	0.47	17.27	0.49	-8.26	4.72
October	-0.32	1.36	0.44	0.42	15.93	0.50	-8.26	4.32
November	-0.32	1.36	0.45	0.47	13.04	0.52	-8.26	3.58
December	-0.32	1.36	0.44	1.29	13.22	0.50	-8.26	3.75
2019	0.00	1.16	0.41	0.96	-13.74	0.62	0.00	-3.72
January	0.00	2.62	0.14	-0.30	-6.39	1.11	0.00	-1.33
February	0.00	2.48	0.16	-1.12	-10.43	1.09	0.00	-2.71
March	0.00	2.23	0.12	-1.20	-8.86	0.95	0.00	-2.30
April	0.00	0.82	0.49	0.11	-10.72	0.91	0.00	-2.77
May	0.00	0.26	0.55	-0.93	-11.30	0.81	0.00	-3.17
June	0.00	0.57	0.53	2.11	-14.93	0.78	0.00	-3.88
July	0.00	1.55	0.37	3.58	-15.95	0.60	0.00	-4.02
August	0.00	0.07	0.37	2.21	-17.85	0.69	0.00	-4.89

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Table 16.7 *cont...*

Period	Section						Business and production services	All Product
	Agriculture, Forestry and Fishery Products	Ores and Minerals; Electricity, gas and water	Food products, beverages and tobacco; textiles, apparel and leather products	Other transportable goods, except metal products, machinery and equipment	Metal products, machinery and equipment	Distributive trade services; accommodation, food and beverage serving services; transport services; and electricity, gas and water distribution services		
September	0.00	0.32	0.41	2.42	-17.36	0.54	0.00	-4.74
October	0.00	1.12	0.60	2.14	-18.39	-0.10	0.00	-5.33
November	0.00	0.89	0.59	1.79	-18.25	0.02	0.00	-5.30
December	0.00	0.95	0.61	0.74	-14.46	0.06	0.00	-4.19
2018	0.00	-2.36	0.77	-3.42	20.80	-0.50	-0.15	4.65
January	0.00	-3.97	1.09	-1.63	27.77	-1.16	-0.20	6.29
February	0.00	-5.06	1.08	-2.12	31.27	-1.04	-0.20	7.03
March	0.00	-4.02	1.16	-2.85	22.92	-0.95	-0.20	5.01
April	0.00	-2.00	0.74	-5.67	18.99	-0.83	-0.20	3.73
May	0.00	-1.51	0.90	-5.55	20.76	-0.71	-0.20	4.27
June	0.00	-0.54	0.85	-7.88	22.41	-0.70	-0.20	4.35
July	0.00	-1.95	0.59	-5.93	23.49	-0.52	-0.20	4.93
August	0.00	-1.43	0.59	-2.44	24.45	-0.44	-0.20	5.81
September	0.00	-0.95	0.56	-3.04	16.73	-0.32	-0.20	3.87
October	0.00	-2.33	0.62	-1.58	15.32	0.27	0.00	3.93
November	0.00	-2.29	0.61	-1.28	13.52	0.19	0.00	3.47
December	0.00	-2.21	0.40	-1.06	11.91	0.23	0.00	3.10
2017	2.48	2.96	1.14	0.66	8.56	7.28	-0.05	5.73
January	2.48	4.83	1.39	-1.23	0.60	7.92	0.00	3.53
February	2.48	6.39	2.05	-0.77	5.02	7.78	0.00	4.95
March	2.48	2.89	1.90	0.01	6.41	7.80	0.00	5.28
April	2.48	2.48	1.70	3.66	7.01	7.75	0.00	5.98

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Table 16.7 cont...

Period	Section							
	Agriculture, Forestry and Fishery Products	Ores and Minerals; Electricity, gas and water	Food products, beverages and tobacco; textiles, apparel and leather products	Other transportable goods, except metal products, machinery and equipment	Metal products, machinery and equipment	Distributive trade services; accommodation, food and beverage serving services; transport services; and electricity, gas and water distribution services	Business and production services	All Product
May	2.48	2.54	1.47	4.62	7.83	7.71	0.00	6.34
June	2.48	1.65	1.44	5.20	8.24	7.69	0.00	6.48
July	2.48	2.96	0.76	2.20	8.70	7.69	0.00	6.19
August	2.48	3.25	0.75	-1.52	8.89	7.68	0.00	5.66
September	2.48	2.09	0.56	-0.46	9.62	6.37	0.00	5.42
October	2.48	2.46	0.50	-2.17	12.54	6.41	-0.20	5.97
November	2.48	1.83	0.47	-0.68	14.47	6.35	-0.20	6.67
December	2.48	2.11	0.63	-1.00	13.43	6.22	-0.20	6.31
2016	8.52	4.28	0.76	3.68	-0.53	1.11	0.00	1.16
January	17.04	4.75	0.28	6.47	1.48	1.46	0.00	2.40
February	17.04	3.84	-0.51	6.80	-1.93	1.38	0.00	1.34
March	17.04	7.10	-0.14	5.67	1.41	1.28	0.00	2.31
April	17.04	6.08	0.25	4.57	8.50	1.20	0.00	4.07
May	17.04	5.74	0.34	4.66	7.47	1.16	0.00	3.77
June	17.04	5.05	0.41	4.38	7.12	1.18	0.00	3.60
July	0.00	3.95	1.02	4.69	-8.47	0.22	0.00	-1.48
August	0.00	3.65	1.18	4.91	-10.00	0.11	0.00	-1.98
September	0.00	3.46	1.47	4.71	-7.67	1.31	0.00	-0.80
October	0.00	2.40	1.62	-0.02	-5.20	1.36	0.00	-0.78
November	0.00	3.00	1.63	-1.54	1.46	1.36	0.00	0.97
December	0.00	2.39	1.61	-1.08	-0.49	1.35	0.00	0.44

Source: Quarterly PPI Publication, Economic and Environment Statistics Division, NSB, Thimphu

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This chapter 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) maintained by RBP is the main source of data for crime statistics. The police personnel working in various Divisions and Police Stations enter the data in this system as and 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 reported crime and the actual incidence of crime occurring on the ground known as dark figure of crime. In order to capture this dark figure as much as possible, the police department is currently in the process of upgrading the existing Crime and Criminal Information System (CCIS) and also plans to conduct separate survey known as victimization survey.

Table 17.1: Types of Offence Recorded, 2016 - 2020

(Number)

Offence Type	2016	2017	2018	2019	2020
Offences Against the Person	521	1,143	1,270	1,044	1,019
Abandonment of a dead infant	1	5	2	3	4
Abandonment of an infant or a child	1	5	1	5	1
Aiding and abetting for criminal attempt to voluntary manslaughter	0	0	0	0	1
Assault	16	48	40	29	49
Battery	400	980	1,098	895	828
Bestiality	0	1	1	2	0
Child abuse	0	0	1	0	0
Child molestation	8	16	15	16	19
Criminal attempt to involuntary manslaughter	0	0	0	1	3
Criminal attempt to marital rape	0	0	0	0	1
Criminal attempt to murder	2	1	0	1	0
Criminal attempt to rape	10	6	8	2	7
Criminal attempt to rape of a child above twelve years of age	3	1	2	1	2
Criminal attempt to rape of a married person	1	0	3	2	0
Criminal attempt to statutory rape	1	3	2	2	2
Criminal attempt to voluntary manslaughter	2	0	4	2	2
Criminal elopement	1	1	0	1	1
Endangerment of a child	0	1	3	1	1
Endangerment of a mentally disabled or an incompetent person	0	0	0	0	1
Escape from lawful custody	2	1	4	3	6
Gang rape	0	2	1	1	1
Gang rape of a child below 12 years of age	1	0	0	0	0
Gang rape of a married person	1	0	0	1	0
Illegal abortion	0	2	1	0	0
Illegal selling or buying of human organs	0	0	0	0	1
Incest	0	1	0	0	0
Indecent exposure	1	0	0	1	2
Infringement of movement	0	0	0	0	0
Involuntary manslaughter	6	3	6	2	6
Kidnapping	1	0	0	0	0
Marital rape	0	0	1	0	0
Murder	6	10	7	6	3
Negligent homicide	0	0	2	1	2
Rape	6	5	8	1	5
Rape of a child above 12 years of age	29	23	30	40	41

cont...

Table 17.1 cont...

Offence Type	2016	2017	2018	2019	2020
Rape of a married person	2	6	3	3	0
Rape of a pregnant women	1	1	0	0	0
Reckless endangerment	1	4	3	5	4
Sexual harassment	8	7	13	9	12
Statutory rape	5	2	6	8	6
Trafficking a person	2	1	1	0	2
Trafficking of a child	0	1	1	0	0
Un-natural sex	0	3	1	0	1
Voluntary manslaughter	3	3	2	0	5
Offences against Property	888	1,863	1,938	1,904	782
Armed robbery	1	5	3	2	4
Arson	6	1	5	6	3
Auto stripping	76	255	153	170	77
Breach of trust	9	22	7	11	13
Burglary	322	431	369	383	238
Criminal attempt to armed robbery	1	0	1	0	0
Criminal attempt to arson	0	2	3	0	0
Criminal attempt to burglary	11	32	20	12	9
Criminal attempt to larceny	3	12	5	4	5
Criminal attempt to robbery	0	0	1	0	0
Criminal misappropriation of property	3	2	4	4	2
Extortion	2	0	0	0	0
Larceny	381	867	892	735	314
Larceny by deception	23	38	41	32	36
Larceny of property lost, mislaid, or delivered by mistake	1	127	340	474	24
Negligent burning or exploding	0	3	0	1	5
Pick pocketing	4	16	8	4	1
Possession of stolen property	0	0	0	0	0
Reckless endangerment of property	5	8	16	10	14
Robbery	24	12	35	24	6
Solicitation to commit burglary	0	0	0	0	1
Theft of service	2	7	19	17	13
Trespass	9	15	9	11	14
Unauthorized used of property	5	8	7	4	3
Commercial Crime, Fraud, Corruption and Related Offences	60	69	89	158	151
Black mail	0	0	1	0	1
Bribery	3	0	1	0	0
Counterfeiting	1	2	3	0	0

cont...

Table 17.1 cont...

Offence Type	2016	2017	2018	2019	2020
Criminal attempt to deceptive practice	0	0	1	0	0
Criminal attempt to smuggling	0	0	1	0	0
Deceptive practice	16	6	25	33	44
Defamation	3	7	6	10	37
Embezzlement	2	4	4	6	2
Execution of a document by deception	1	0	0	0	0
Forgery	15	24	12	23	17
Fraudulent cheque writing	9	13	23	61	40
Fraudulent insolvency	0	0	0	1	0
Libel	1	6	3	5	10
Money laundering	1	0	4	0	0
Official misconduct	1	0	0	1	0
Smuggling	7	6	5	17	0
Tampering with documents	0	1	0	1	0
Offences against State and Public order	197	342	303	235	526
Abandonment of a person in danger	1	0	0	0	0
Breach of public order and tranquility	0	0	0	0	93
Caretaker's negligence causing loss or larceny of ku, sung, thuk-ten, zung or antique	1	3	1	1	0
Criminal attempt to offence against ku, sung, thuk-ten or zung	4	12	13	2	9
Criminal attempt to criminal nuisance	0	0	0	0	16
Criminal nuisance	1	0	0	1	103
Damage to cultural or national heritage property and national monuments	1	0	0	0	2
Damage to religious objects	0		0	1	0
Disorderly conduct	2	2	2	5	4
Endangerment of a public water source	1	0	0	1	0
Espionage	0	0	0	0	1
Failure to assist lawful authority	0	1	0	0	0
Failure to report a crime	0	0	0	0	4
Gambling	2	24	28	8	31
Harassment	19	58	76	64	83
Illegal immigration	0	0	0	4	3
Illegal purchase or sale of an antique	1	1	1	1	1
Illegal purchase or sale of ku-sung-thuk-ten or zungs	0	0	0	0	1
Illegal sale of alcohol	0	0	0	0	0
Illegal transportation of immigrant	0	0	1	0	6
Impersonation of an official	2	0	2	2	2
Impersonation of uniformed personnel	0	0	0	1	4

cont...

Table 17.1 cont...

Offence Type	2016	2017	2018	2019	2020
Larceny of antique	3	3	4	6	6
Lewd and lascivious conduct	0	0	0	1	0
Malicious mischief	55	84	66	48	76
Obstruction of lawful authority	3	10	14	5	17
Obstruction of public service	0	1	0	0	1
Obstruction of thoroughfare	0	2	0	1	3
Offence against the ku, sung, thuk-ten, or zung	94	129	82	79	45
Patronizing a prostitute	0	0	1	3	0
Promotion of civil unrest	0	0	1	1	0
Promotion of prostitution	0	0	1	0	0
Prostitution	0	2	0	0	0
Prowling	2	1	1	0	1
Public intoxication	3	5	2	0	5
Reporting of false information	2	3	2	0	7
Sedition	0	0	3	0	1
Tampering with a dead body	0	1	1	0	1
Terrorism	0	0	1	0	0
Miscellaneous Offences	63	68	45	29	38
Computer pornography	3	5	3	2	1
Display of weapon	12	22	31	17	30
False alarm	0	0	3	0	0
Illegal hunting or fishing	2	2	3	2	2
Illegal manufacturing of a fire arms, ammunition, explosive or other lethal weapons	1	0	0	0	1
Illegal possession of a firearm, ammunition, explosive, or other lethal weapon	4	7	4	1	1
Illegal sale and use of harmful chemical substance	1	0	0	2	0
Illegal sale or purchase of a firearm, ammunition, explosive or other lethal weapons	0	1	0	0	0
Illegal transaction of controlled substances	9	0	0	3	1
Possession of a controlled substance	19	11	0	2	1
Risking the protected species	0	0	1	0	0
Sale of a prescription for a controlled substances	12	19	0	0	0
Tampering with computer materials	0	1	0	0	1
Narcotic Drugs, Psychotropic Substances and Substance abuse	316	555	620	667	455
Criminal attempt to illicit trafficking of narcotic drugs and psychotropic substances	0	0	0	0	1
Illegal cultivation, domestication or harvest of cannabis and its derivatives	1	0	1	0	0

cont...

Table 17.1 cont...

Offence Type	2016	2017	2018	2019	2020
Illegal diversion of precursor chemicals	0	0	0	1	0
Illegal possession of cannabis and its derivatives	43	58	41	7	1
Illegal possession of narcotics drugs and psychotropic substances	14	11	3	6	0
Illegal sale of inhalants or solvents	0	0	0	2	1
Illicit activities involving equipment and materials	0	0	0	1	0
Illicit trafficking of cannabis and its derivatives	46	41	3	28	18
Illicit trafficking of narcotic drugs and psychotropic substances	190	200	151	157	76
Illicit trafficking of precursor chemicals	0	0	0	2	0
Non-compliance with license	0	0	0	1	0
Offence of substance abuse	22	245	419	455	356
Offence of substance abuse by minor	0	0	0	7	2
Sale or distribution of inhalants or solvents to minors	0	0	2	0	0
Tobacco Related offences, offence against Child and Other offences	48	40	45	48	91
Aiding and abetting	1	1	0	0	0
Child battery	0	0	7	4	7
Criminal conspiracy	0	1	0	0	0
Cruelty to a child	0	0	0	1	0
Conveyances of unauthorized articles	0	0	0	0	0
Emotional abuse	0	0	0	2	2
Smuggling of tobacco and tobacco product	47	37	12	13	31
Solicitation	0	1	0	0	0
Other tobacco related offence	0	0	26	28	50
Offences related to land act of bhutan	0	0	0	0	1
Total	2,093	4,080	4,310	4,085	3,062

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

Table 17.2: Type of Non-Criminal Incidents Recorded by Month, 2020.

Non-criminal Incident	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Natural death													
Natural death	0	0	0	0	0	2	0	0	1	0	0	2	5
Un-natural Death													
Suicide	5	11	6	9	3	6	11	11	18	11	9	4	104
Death after falling from a height	2	1	0	3	1	1	0	3	5	1	1	1	19
Death from falling rocks	0	0	1	0	1	0	0	0	0	0	0	0	2
Death from falling tree	0	0	1	1	1	0	1	0	0	0	1	0	5
Drowning	2	0	3	1	6	2	6	4	3	4	1	2	34
Electrocution	1	0	1	0	1	2	2	3	2	2	1	0	15
Other	4	3	0	0	1	1	0	1	1	0	1	1	13
Attempted Suicide													
Attempted suicide	4	0	4	1	5	5	8	3	2	4	2	1	39
Missing of person													
Missing of person	15	15	21	7	10	21	15	9	23	12	11	7	166
Total	33	30	37	22	29	40	43	34	55	34	27	18	402

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

Table 17.3: Number of Person Arrested by Offence and Age Group, 2020

Offence	17 and below	18-24	25-31	32-38	39-45	46-52	53-59	60-66	67-73	74 and above	Total
Abandonment of a dead infant	0	1	1	3	1	0	0	0	0	0	6
Aiding and abetting for criminal attempt to voluntary manslaughter	0	1	0	0	0	0	0	0	0	0	1
Aiding and abetting for escape from lawful custody	0	0	1	0	0	0	0	0	0	0	1
Aiding and abetting for gang rape	0	0	0	1	0	0	0	0	0	0	1
Aiding and abetting of Larceny	0	0	0	0	0	0	1	0	0	0	1
Armed Robbery	0	1	0	0	0	0	0	0	0	0	1
Arson	0	0	1	2	0	1	0	0	0	0	4
Assault	1	5	12	13	11	5	4	4	0	0	55
Auto stripping	0	8	10	0	3	0	0	0	0	0	21
Battery	24	216	284	204	134	78	33	12	5	5	995
Blackmail	0	0	1	0	0	0	0	0	0	0	1
Breach of public order and tranquility	4	24	55	59	20	16	3	6	1	0	188
Breach of Trust	0	3	1	2	1	1	1	0	0	0	9
Burglary	13	34	28	11	0	2	0	1	0	0	89
Buy tobacco or tobacco products	0	1	0	1	1	1	0	0	0	0	4
Child Battery	0	1	1	1	1	0	0	0	0	0	4
Child molestation	1	4	4	2	3	1	1	0	1	0	17
Computer pornography	0	0	1	0	0	0	0	0	0	0	1
Criminal attempt to burglary	0	0	1	0	0	0	0	0	0	0	1
Criminal attempt to criminal nuisance	0	2	7	6	4	0	0	1	0	0	20
Criminal attempt to gang rape	0	0	0	1	0	0	0	0	0	0	1
Criminal attempt to Illicit trafficking of narcotic drugs and psychotropic substances	1	1	0	1	0	0	0	0	0	0	3
Criminal attempt to involuntary manslaughter	0	0	1	1	0	0	0	0	0	0	2

cont...

Table 17.3 *cont...*

Offence	17 and below	18-24	25-31	32-38	39-45	46-52	53-59	60-66	67-73	74 and above	Total
Criminal attempt to Larceny	1	0	3	1	0	0	0	1	0	0	6
Criminal attempt to marital rape	0	0	1	0	0	0	0	0	0	0	1
Criminal attempt to murder	0	0	0	1	0	0	0	0	0	0	1
Criminal attempt to offence against ku, Sung, Thuk-ten or Zung	0	0	0	1	0	0	0	0	0	0	1
Criminal attempt to rape	0	2	1	1	0	0	0	0	0	0	4
Criminal attempt to rape of a child above twelve years of age	0	1	1	0	0	0	0	0	0	0	2
Criminal attempt to statutory rape	1	0	0	0	0	0	0	0	1	0	2
Criminal attempt to voluntary manslaughter	0	2	2	0	0	0	0	0	0	0	4
Criminal elopement	0	0	0	0	2	0	0	0	0	0	2
Criminal misappropriation of property	0	0	0	0	1	0	0	1	0	0	2
Criminal nuisance	4	22	38	28	18	11	5	2	1	1	130
Deceptive practice	2	3	7	7	2	4	0	0	0	0	25
Defamation	0	2	4	4	6	1	0	1	3	0	21
Disorderly conduct	0	0	3	1	0	0	1	0	0	0	5
Display of weapon	1	9	3	0	2	3	1	0	0	0	19
Economic abuse	0	1	2	0	0	0	0	0	0	0	3
Embezzlement	0	0	2	2	0	0	0	0	0	0	4
Emotional abuse	0	2	5	4	6	3	1	0	0	0	21
Endangerment of a mentally disabled or an incompetent person	0	0	0	0	1	0	1	0	0	0	2
Escape from lawful custody	0	1	1	0	1	1	0	0	0	0	4
Espionage	0	0	1	0	1	0	0	0	0	0	2

cont...

Table 17.3 cont...

Offence	17 and below	18-24	25-31	32-38	39-45	46-52	53-59	60-66	67-73	74 and above	Total
Failure to maintain records	1	2	3	0	0	0	0	0	0	0	6
Failure to report a crime	0	2	1	0	1	1	2	0	1	1	9
Forgery	1	5	7	6	10	1	1	1	0	0	32
Fraudulent cheque writing	0	0	1	11	2	3	2	0	0	0	19
Gambling	0	7	44	55	29	17	5	2	2	0	161
Gang rape	0	1	0	0	0	0	0	0	0	0	1
Harassment	0	4	14	15	14	8	3	1	1	0	60
Illegal hunting or fishing	0	1	1	2	3	0	0	0	0	0	7
Illegal immigration	0	6	6	7	0	2	0	0	0	0	21
Illegal manufacturing of a firearm, ammunition, explosive, or other lethal weapon	0	0	0	1	1	1	0	0	0	0	3
Illegal possession of a firearm, ammunition, explosive, or other lethal weapon	0	1	1	0	0	0	0	0	0	0	2
Illegal possession of cannabis and its derivatives	1	2	0	0	0	0	0	0	0	0	3
Illegal possession of narcotics drugs and psychotropic substances	1	0	1	1	0	0	0	0	0	0	3
Illegal possession of tobacco products	0	0	0	3	0	1	1	0	0	0	5
Illegal purchase or sale of ku, sung, thuk-ten, or zung	0	0	0	2	0	0	0	0	0	0	2
Illegal sale of inhalants or solvents	0	0	0	1	0	0	0	0	0	0	1
Illegal selling or buying of human organs	0	0	1	1	0	0	0	0	0	0	2
Illegal transportation of immigrant	0	3	10	3	4	3	0	1	0	0	24
Illicit trafficking of cannabis and its derivatives	1	22	14	7	3	3	2	0	0	0	52
Illicit trafficking of narcotic drugs and psychotropic substances	1	34	59	43	6	4	0	0	0	0	147
Illicit trafficking of precursor chemicals	0	1	0	0	0	0	0	0	0	0	1

cont...

Table 17.3 cont...

Offence	17 and below	18-24	25-31	32-38	39-45	46-52	53-59	60-66	67-73	74 and above	Total
Impersonation of an official	0	1	0	0	0	0	0	0	0	0	1
Impersonation of uniformed personnel	0	1	1	0	1	0	0	0	0	0	3
Indecent exposure	0	0	0	0	1	0	0	0	1	0	2
Involuntary Manslaughter	0	2	2	0	1	0	1	0	0	0	6
Kidnapping	0	1	0	0	0	0	0	0	0	0	1
Larceny	10	37	53	32	14	10	1	2	1	0	160
Larceny by deception	0	3	2	1	2	1	0	0	0	0	9
Larceny of antique	1	0	1	0	1	0	0	0	0	0	3
Larceny of property lost, mislaid, or delivered by mistake	1	1	2	2	0	0	1	0	0	0	7
Libel	0	0	2	1	0	0	0	0	0	0	3
Malicious Mischief	0	19	21	8	7	6	6	1	1	1	70
Murder	0	0	1	0	1	0	0	0	1	0	3
Negligent burning or exploding	0	0	0	0	2	0	0	1	0	0	3
Negligent homicide	0	0	0	0	0	1	0	1	0	0	2
Non-compliance with license	0	10	0	1	0	0	0	0	0	0	11
Obstruction of lawful authority	0	15	14	5	1	1	0	0	0	0	36
Obstruction of public service	0	0	0	2	1	0	0	0	0	0	3
Obstruction of thoroughfare	0	1	0	4	0	1	0	0	4	0	10
Offence against the ku, sung, thuk-ten, or zung	0	12	16	4	3	2	0	0	1	0	38
Offence of substance abuse	0	401	175	44	9	5	0	0	0	0	634
Offence of substance abuse by minor	109	0	0	0	0	0	0	0	0	0	109
Offence related to immigration act of Bhutan	0	0	1	0	0	0	0	0	0	0	1
Offence related to land act of Bhutan	0	0	0	0	0	0	1	0	0	0	1

cont...

Table 17.3 cont...

Offence	17 and below	18-24	25-31	32-38	39-45	46-52	53-59	60-66	67-73	74 and above	Total
Offence related to tobacco control act of Bhutan	0	1	3	2	0	1	0	0	0	0	7
Possession of a controlled substance	0	0	1	0	0	0	0	0	0	0	1
Possession of stolen property	0	0	0	0	1	0	0	0	0	0	1
Prowling	2	3	1	2	0	0	0	0	0	0	8
Public intoxication	1	6	3	2	1	0	0	0	0	0	13
Rape	0	1	1	0	0	0	1	0	0	0	3
Rape of a child above 12 years of age	0	19	12	7	2	2	1	0	0	0	43
Reckless endangerment	0	0	0	1	1	0	2	0	0	0	4
Reckless endangerment of property	0	0	5	3	1	0	0	0	0	0	9
Reporting of false information	0	1	2	4	3	2	0	0	0	0	12
Robbery	0	1	0	1	0	0	0	0	0	0	2
Sedition	0	0	0	0	1	0	0	0	0	0	1
Sell or distribute tobacco or tobacco products	1	5	9	7	4	1	2	0	2	0	31
Sexual Harassment	1	1	3	2	0	0	1	0	0	0	8
Smuggling of tobacco and tobacco products	0	3	8	11	5	3	3	0	0	0	33
Statutory Rape	0	1	0	1	2	2	0	0	1	0	7
Tampering with computer materials	0	1	0	0	0	0	0	0	0	0	1
Theft of service	0	3	0	1	0	0	0	0	0	0	4
Trafficking a person	0	2	1	2	4	0	0	0	0	0	9
Trespass	0	5	5	4	2	3	0	0	0	0	19
Unauthorized used of property	0	1	1	0	0	0	0	0	0	0	2
Unnatural sex	0	0	1	0	0	0	0	0	0	0	1
Voluntary manslaughter	0	2	1	1	1	1	0	0	0	0	6
Total	185	998	994	671	364	214	88	39	28	8	3,589

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

Table 17.4: Monthly Motor Vehicle Accident by Dzongkhag, 2020

Dzongkhag	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Bumthang	1	0	0	0	1	0	0	0	0	0	2	0	4
Chhukha	28	23	16	6	13	16	22	8	10	7	12	4	165
Dagana	1	2	6	2	0	4	2	0	0	5	0	2	24
Gasa	0	1	0	0	0	0	1	0	0	0	0	1	3
Haa	1	0	3	1	1	0	2	0	1	2	3	2	16
Lhuentse	0	0	0	0	0	0	0	0	0	0	1	1	2
Monggar	1	2	1	0	1	0	0	0	0	1	2	0	8
Paro	14	16	12	10	15	13	13	3	7	8	13	12	136
Pema Gatshel	3	0	0	0	1	3	1	0	1	3	0	0	12
Punakha	10	11	3	5	4	5	6	1	3	3	7	3	61
Samdrup Jongkhar	1	3	2	0	3	2	2	1	1	1	1	0	17
Samtse	3	1	6	6	2	3	4	0	2	5	4	0	36
Sarpang	7	4	4	0	0	2	3	1	0	2	1	2	26
Thimphu	37	23	16	14	7	10	8	6	8	5	4	3	141
Trashigang	2	4	5	2	2	1	0	1	3	3	6	1	30
Trashiyangtse	0	0	0	2	0	3	1	0	1	2	4	1	14
Trongsa	1	1	0	1	1	0	0	2	0	1	1	0	8
Tsirang	4	5	2	1	5	7	3	2	2	7	3	3	44
Wangdue Phodrang	3	4	2	4	9	3	1	2	4	0	4	1	37
Zhemgang	1	3	3	2	1	3	1	1	6	3	1	1	26
Total	118	103	81	56	66	75	70	28	49	58	69	37	810

Source: Thimphu Traffic Division, Royal Bhutan Police

Table 17.5: Motor Vehicle Accident by Dzongkhag, 2016 - 2020

(Number)

Dzongkhag	2016	2017	2018	2019	2020
Bumthang	1	4	21	6	4
Chhukha	36	44	296	347	165
Dagana	1	2	10	19	24
Gasa	0	2	2	6	3
Haa	1	0	21	32	16
Lhuentse	2	3	2	7	2
Monggar	10	10	47	13	8
Paro	61	174	172	193	136
Pema Gatshel	3	0	12	40	12
Punakha	4	5	9	76	61
Samdrup Jongkhar	8	12	46	22	17
Samtse	9	21	37	44	36
Sarpang	12	27	27	52	26
Thimphu	528	506	460	469	141
Trashigang	16	21	46	28	30
Trashy Yangtse	3	4	6	12	14
Trongsa	6	4	13	13	8
Tsirang	3	7	59	37	44
Wangdue Phodrang	14	13	55	38	37
Zhemgang	8	3	19	17	26
Bhutan	726	862	1,360	1,471	810

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

Table 17.6: The Cause of Fatal Motor Vehicle Accident, 2020

(Number)

Cause of Accident	2020
Driver error	
Unlicensed driving	18
Speeding	14
Drunk driving	7
Reckless/Careless driving	5
Sleep/fatigue driving	6
Over load	2
Unsafe reverse	2
Driving on learner license	1
Not giving right of way	1
Not keeping left	1
Using mobile phone	1
Mechanical failure	
Brake failure	1
Road condition	
Narrow road	3
Loose soil	1
Icy or snowy road	1
Steep road	1
Falling boulders	2
Weather condition	
Foggy	3
Rainy	1
Unknown/Pending cases	
Unknown cause/Under investigation	12
Total	83

Source: Thimphu Traffic Division, Royal Bhutan Police

Table 17.7: Fines Imposed for Violation of Traffic Rules by Division, 2016 - 2020

(Nu. in Million)

Division/Dzongkhag	2016	2017	2018	2019	2020
Division I (Paro & Haa)	2.209	2.046	2.573	2.730	11.509
Division II (Punakha & Gasa)	1.798	1.515	1.421	1.841	1.639
Division III (Chhukha)	4.296	4.369	5.003	5.580	0.545
Division IV (Samtse)	1.868	1.643	1.613	1.961	1.032
Division V (Sarpang & Zhemgang)	2.163	2.812	3.793	2.846	0.561
Division VI (Tsirang & Dagana)	1.161	1.205	1.469	0.954	1.465
Division VII (Trongsa)	0.503	0.653	0.592	0.413	0.598
Division VIII (Samdrupjongkhar & Pemagatshel)	2.056	1.870	2.602	5.148	0.186
Division IX (Trashigang)	0.707	1.293	0.747	0.732	0.471
Division X (Monggar & Lhuentse)	0.726	0.943	0.850	0.514	0.627
Thimphu Traffic Division	14.605	17.970	11.823	16.260	0.123
Division XII (Wangduephodrang)	3.616	2.971	2.577	2.999	0.776
Division XIII (Bumthang)	0.614	0.437	0.438	0.364	0.359
Division XIV (Tashi Yangtse)	0.336	0.154	0.357	0.252	0.112
Total	36.657	39.881	35.858	42.593	20.001

Source: Traffic Division, Royal Bhutan Police, Thimphu.

List of Dzongkhags, Gewogs and Chiwogs by Codes

Dzongkhag Code	Dzongkhag Name	Gewog Code	Gewog Name	Chiwog Code	Chiwog Name
01	Bumthang	1	Chhoekhor	1	Dawathang_Dorjibi_Kashingtsawa
				2	Dhur_Lusibee
				3	Kharsa_Thangbi
				4	Nangsiphel_Zangling_Zhabjethang
				5	Pedtsheling_Tamzhing
		2	Chummig	1	Choongphel
				2	Domkhar
				3	Gyaltsa
				4	Phurjoen
				5	Zung-Ngae
		3	Tang	1	Bepzur_Kuenzangdrag
				2	Dazur
				3	Khangrab
				4	Kidzom_Nyimalung
				5	Tandingang
		4	Ura	1	Beteng_Pangkhar_Somthrang
				2	Shingkhar
				3	Shing-Nyer
				4	Tangsibi
				5	Ura-Dozhi
02	Chhukha	1	Bjagchhog	1	Bjagchhog
				2	Mebisa
				3	Tashi Gatshel
				4	Tsimalakha_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_Shel-Yuel
				4	Lang Nyelsa
				5	Pagga
				6	Tshamdrag

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Table cont...

Dzongkhag Code	Dzongkhag Name	Gewog Code	Gewog Name	Chiwog Code	Chiwog Name
02	Chhukha	4	Darla	1	Gamanang_Kalzang-ri
				2	Gengu_Yagang
				3	Nyimgang_Tabji
				4	Samarchen_Sinchula
				5	Sharphu
				6	Tagp-Thang-Bu
		5	Doongna	1	Babana_Papaling
				2	Chhulakha_Mangdokha
				3	Damchhekha_Uezhi
				4	Doongna_Pagsel-Lakha
				5	Drukdingsa_Khori
		6	Geling	1	Dagpa_Sorchen
				2	Dilibkha_Lamjokha
				3	Geling_Geygoen
				4	Gelingkha_Tsanglingna
				5	Kamji_Na-Yekha
		7	Getana	1	Bachhu_Getana
				2	Chiyuel_Getag
				3	Darga_Tshebji
				4	Janamo_Phootsha
				5	Tashigang
		8	Loggchina	1	Aamleg_Dofam
				2	Chagdokha_Damchhekha
				3	Dolepchen_Bjagchhu
				4	Dzedokha
				5	Mongna_Lha-sarp
		9	Maedtabkha	1	Gumina_Tenchhukha
				2	Jozhingka_Maedtab-Toed
				3	Maedtab-Maed
				4	Pangu
				5	Uekha
		10	Phuent-shogling	1	Chong-Geykha_Dophulakha
				2	Dophuchen_Wangdue Gatshel
				3	Deling_Marpji
				4	Lingdaen
				5	Pachhu

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Table cont...

Dzongkhag Code	Dzongkhag Name	Gewog Code	Gewog Name	Chiwog Code	Chiwog Name
02	Chhukha	11	Samphelling	1	Gongboogang_Pangna
				2	Khenpaithang_Sonamthang
				3	Pedtshel-Nang
				4	Pekarling_Rigzinling
				5	Sengyegang_Tsho-Chhoongna
03	Dagana	1	Dorona	1	Maamedthang
				2	Nyimtola
				3	Dorona Chhewa
				4	Dorona Chhoongwa
				5	Tshalamji
		2	Drukjeygang	1	Ambithang_Pangserpo
				2	Boodepang_Pangna
				3	Pangna_Patala
				4	Pangserpo
				5	Thangna
		3	Gesarling	1	Gesarling
				2	Puensoomgang
				3	Samtengang
				4	Tajoog
				5	Tashithang
		4	Gozhi	1	Dogaag
				2	Baleggang
				3	Gozhi-Maed
				4	Gozhi-Toed
				5	Gozhi
		5	Karmaling	1	Jemathang
				2	Karmaling
				3	Labtsakha
				4	Omchhu
				5	Senchumthang
		6	Karna	1	Bartsha_Namgyalgang
				2	Dalithang_Gangyab_Khagochen
				3	Jurugang
				4	Lhaling
				5	Poongzhi

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Table cont...

Dzongkhag Code	Dzongkhag Name	Gewog Code	Gewog Name	Chiwog Code	Chiwog Name
03	Dagana	7	Khebisa	1	Akhochen
				2	Gibsa
				3	Pakser
				4	Pogtog
				5	Thongmgang
		8	Largyab	1	Baloong
				2	Barna
				3	Kompa
				4	Sidpa
				5	Thasa
		9	Lhamoi Dz- ingkha	1	Chongsamling
				2	Kuendrelthang
				3	Lhamoi Dzingkha
				4	Loongsilsa
				5	Tsham-Zhi-Gosa
		10	Nichula	1	Damchhunang
				2	Dangreybu
				3	Dramze-Kesa
				4	Gangtogkha
				5	Yarphelling
		11	Tashiding	1	Gangyab
				2	Namchagla
				3	Norbuling
				4	Shamdolay
				5	Tashiding
		12	Tsangkha	1	Gelegchhu
				2	Goongpa-Soomchu
				3	Paateykha
				4	Tsangkha
				5	Zinchila
		13	Tsenda-Gang	1	Gangzur-Maed
				2	Gangzur-Toed
				3	Norbu-Zhingkha
				4	Samarchhu
				5	Tsenda-Gang

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Table cont...

Dzongkhag Code	Dzongkhag Name	Gewog Code	Gewog Name	Chiwog Code	Chiwog Name
04	Gasa	14	Tseza	1	Karlingzingkha
				2	Pel-Ling
				3	Samaed
				4	Tashigang
				5	Tsanglegkha
		1	Khamaed	1	Barsha_Panikong
				2	Damji
				3	Gayza_Zomina
				4	Jabisa
				5	Khailog_Tarshingthang
		2	Khatoed	1	Baychhu_Tshedpgang
				2	Chhogley_Phulakha
				3	Mani
				4	Rimi
				5	Tsheringkha
		3	Laya	1	Chongra_Loobchag
				2	Gyalza_Loong-Go
				3	Neyloog
				4	Pazhi
				5	Toedkor
		4	Lunana	1	Lhedi
				2	Raminang_Uesana
				3	Shang_Threlga_Wachey
				4	Thangza_Toenchoe
				5	Tshozhong
05	Haa	1	Bji	1	Chenpa_Geychhukha
				2	Choompa_Jamgoen
				3	Gensa_Tokey
				4	Tsenka_Taloong
				5	Yangthang
		2	Gakiling	1	Dorithasa_Kowkha_Yangtse
				2	Fentena_Sertena
				3	Phootsena_Ngatse
				4	Rangtse-Ta-Nga_Yokha
				5	Sai-dzong_Thangdokha

cont...

Table cont...

Dzongkhag Code	Dzongkhag Name	Gewog Code	Gewog Name	Chiwog Code	Chiwog Name
05	Haa	3	Kar-tshog	1	Bali_Mombitshokha
				2	Dragding_Karjena
				3	Ingo_Pharikha
				4	Kargoen_Hatam
				5	Wangtsa
		4	Samar	1	Balamnang
				2	Dorikha_Langjogang
				3	Jenkanang_Pudunang
				4	Langpa_Norbugang
				5	Shar-ri
		5	Sangbay	1	Anakha_Shepji
				2	Mochhu
				3	Nakha_Tashigang
				4	Sangbay Ama
				5	Shema_Yaba
		6	Uesu	1	Betso_Doomchhog
				2	Geyruna_Karnag
				3	Kipri_Tagchhu
				4	Pajekha_Sangkiri
				5	Tshaphel_Tsiloongkha
06	Lhuentse	1	Gangzur	1	Jang_Ngar
				2	Kyidloong_Somshing
				3	Ney
				4	Nyimzhong_Tongling
				5	Thrima_Shawa_Zhamling
		2	Jarey	1	Artobi_Ngang-Ngae
				2	Kharchung
				3	Ladrong
				4	Yabi_Zangkhar
				5	Yumchhe
		3	Khoma	1	Babtong_Dragteng
				2	Berpa_Khoma
				3	Gangla_Kholma
				4	Pangkhar
				5	Rolmoteng_Tsang-Ngo

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Table cont...

Dzongkhag Code	Dzongkhag Name	Gewog Code	Gewog Name	Chiwog Code	Chiwog Name
06	Lhuentse	4	Kurtoed	1	Chagdzom_Chhusa
				2	Dungkar
				3	Jasabi_Ugyenphu
				4	Tabi
				5	Tang-Roong_Wawel
		5	Maedtsho	1	Bamdhir_Yurung
				2	Gortshom_Tshangthrom-Maed
				3	Obi_Tongthro
				4	Oong-gar
				5	Zhongmaed
		6	Maenbi	1	Kamdhar_Moormo
				2	Maenjabi
				3	Nyaibi_Zhungkhar
				4	Phagidoong
				5	Tagmochhu_Gorgan
		7	Minjey	1	Amdrangchhu_Zham
				2	Boo-Dur_Kupi-Nyalsa
				3	Chusa_Legshogang
				4	Draag-Gong_Jalang
				5	Minjey_Wazhing
		8	Tsaenkhar	1	Artobadeb_Guendrang
				2	Autsho_Chharbi
				3	Dekaling_Tshochhen
				4	Domkhar_Umling
				5	Go-Nyid_Wambur
07	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 Code	Dzongkhag Name	Gewog Code	Gewog Name	Chiwog Code	Chiwog Name
07	Monggar	3	Chhaling	1	Chhaling_Dopang
				2	Chulabi
				3	Pangthang_Thempang
				4	Shebchi_Yangthang
				5	Wangmakhar_Khalangji
		4	Dramedtse	1	Ba-Ging_Shadang
				2	Bikhar_Thoongdari
				3	Dramedtse_Shaphangma
				4	Serkhagphu_Yengkhardtshing
				5	Zangkhar
		5	Drepoong	1	Bainangri_Nyamla
				2	Boompazor_Drepoong
				3	Chhagsuzor_Tsangkhari
				4	Labtsa_Shing-Gar
				5	Zunglen
		6	Gongdue	1	Baagla_Dengkaling
				2	Daagsa_Kumadzong
				3	Damkhar_Weringla
				4	Phadzung
				5	Pikari_Yangbari
		7	Jurmed	1	Bilam_Dangkila
				2	Kognala_Ya-Ragla
				3	Moodoongkhar_Tselam
				4	Moogtangkhar_Tsangkhazor
				5	Ngamphu_Sangkama
		8	Kengkhar	1	Dogtang_Mooroong
				2	Kyidpari_Yuldari
				3	Neykorlog_Warongborang
				4	Olokid_Tsalabi
				5	Phosothong_Shingchongri
				6	Tongla_Zi-Tsibi
		9	Monggar	1	Gyalpoizhing_Wangling
				2	Kidekhar
				3	Koenbar_Tagchhu
				4	Phosorong
				5	Themnangbi_Ketongri
				6	Wengkhar_Yagpoogang

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Table cont...

Dzongkhag Code	Dzongkhag Name	Gewog Code	Gewog Name	Chiwog Code	Chiwog Name
07	Monggar	10	Na-Rang	1	Dongshoom_Pangkhang
				2	Gomchhu
				3	Khalong
				4	Na-Rang_Pangthang
				5	Thrinangphu
		11	Ngatshang	1	Ngatshang
				2	Nyingala_Phanasi
				3	Pelshoob
				4	Thoombari_Zangdari
				5	Yadi_Yekhar
		12	Saling	1	Drogsar
				2	Kalapang_Risa
				3	Saling
				4	Seng-Gor
				5	Thridangbi
				6	Tsenzabi_Masangdaza
		13	Shermuhoong	1	Gangmoong
				2	Jabgang_Thiling
				3	Malang_Serzhong
				4	Muhoong_Shiling
				5	Soenakhar_Yarab
		14	Silambi	1	Daag
				2	Gyalgong
				3	Kadag_Silambi
				4	Pang_Nagor
				5	Wama
		15	Thang-Rong	1	Atola
				2	Bauchhoeling_Panglen
				3	Changshing
				4	Lingkhar
				5	Ngaru-Pongtang
		16	Tsakaling	1	Drengling_Horong
				2	Drongtoed_Tormazhong
				3	Kaling_Thoomling
				4	Nyartsi_Tsakaling
				5	Tagkhambi

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Table cont...

Dzongkhag Code	Dzongkhag Name	Gewog Code	Gewog Name	Chiwog Code	Chiwog Name
07	Monggar	17	Tsamang	1	Baanjar
				2	Drangmaling_Nanggor
				3	Ganglapong Maed
				4	Ganglapong Toed
				5	Thuenmong_Tokari
08	Paro	1	Dokar	1	Dawakha_Tshongkha
				2	Goensakha_Phuchhekha
				3	Khamdraag_Sali
				4	Mendrel_Uesuna
				5	Tenchhekha_Tsiphu
		2	Dopshar-ri	1	Duezhi_Jipa
				2	Jangsa_Jooka
				3	Jizhigang
				4	Kempa_Kuduphu
				5	Rinchhending_Shar-ri
		3	Doteng	1	Aa-tsho_Phunoob
				2	Chhubar
				3	Jabji_Loogchhoed
				4	Joogar_Pachhu
				5	Phooshar
		4	Hoongrel	1	Chhubjagkha
				2	Gaupel
				3	Goenkha
				4	Hoongrelkha_Jangsarbu
				5	Loongchhungna
		5	Lamgong	1	Chhukha
				2	Gangjoog_Kyidchhu
				3	Jagarthang
				4	Ngopa_Shomo
				5	Tsendonang
		6	Loong-nyi	1	Baangdey
				2	Dzongdraag_Gadraag
				3	Jieu_Woochhu
				4	Naemjog
				5	Pangbisa

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Table cont...

Dzongkhag Code	Dzongkhag Name	Gewog Code	Gewog Name	Chiwog Code	Chiwog Name
08	Paro	7	Nagya	1	Bemphu_Lingzhi_Nagu
				2	Bueltikha_Jagoen
				3	Jazhina_Tsoen-Goen
				4	Rangzhin-Gang_Tshebji
				5	Wanakha_Zursoona
		8	Sharpa	1	Bara_Zhunggar
				2	Bjizhikha_Phubarna
				3	Chhukha_Gangjoogkha
				4	Dochhoeten_Neyphu
				5	Drugyaldingkha
		9	Tsento	1	Chhungjey_Zamsar
				2	Mitshig_Shana
				3	Nyamjey_Phangdo
				4	Nyechhu_Shar-ri
				5	Soe_Yagsa
		10	Wangchang	1	Changkar_Jangteyna
				2	Changmedthangka_Khangkhu
				3	Dungkar_Namkar
				4	Gebtoed_Olathang_Tajoog
				5	Mendrel_Nakha
09	Pema Gatshel	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	Gooyoom_La-Nangzor
				3	Kamri_Yomzor
				4	Maendi
				5	Thongsa

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Table cont...

Dzongkhag Code	Dzongkhag Name	Gewog Code	Gewog Name	Chiwog Code	Chiwog Name
09	Pema Gatshel	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	La-Nyiri_Thrumchoong
				4	Serduwa
				5	Woongborang
		6	Khar	1	Bongmaan
				2	Khar_Yagyur
				3	Khengzor_Labar
				4	Nagtseri_Shemshe_Tsebar
				5	Shinang-ri
		7	Nanong	1	Gashighkar_Tshatshi
				2	Nanong
				3	Raling
				4	Terphu_Woongchhiloo
				5	Tokarey
		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_Thoong-Go

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Table cont...

Dzongkhag Code	Dzongkhag Name	Gewog Code	Gewog Name	Chiwog Code	Chiwog Name
10	Punakha	11	Zobel	1	Chhoongkhar_Pangthangdaza
				2	Maan_Tshelinggor
				3	Ngangmalang_Zorjoog
				4	Raysinang
				5	Zobel
		1	Barp	1	Chagsa
				2	Gamakha_Sehtokha
				3	Sobsobkha_Yuwakha_Zhikha
				4	Tshogkorna
				5	Usakha
		2	Chhubu	1	Bali
				2	Bumtakha_Tenpakha
				3	Jangwakha_Sewla
				4	Ngoe-Droob-Chhu
				5	Yebisa
		3	Dzomi	1	Bjimithang
				2	Dzomisa_Mendagang
				3	Goobji_Tseykakha
				4	Khilikhar_Loongkha
				5	Tanag_Uesa
		4	Goenshari	1	Draagchhukha
				2	Goomgang
				3	Sechaed-Nang
				4	Yorbo
				5	Zhelngoesa
		5	Guma	1	Baymenang_Phulingsoom_Wang-wakha
				2	Changyul_Loongsilgang_Tashijong
				3	Dochhukha_Dzomlingthang_Ritsa
				4	Guma_Wolakha
				5	Lakhu_Tshowogm
		6	Kabisa	1	Agonang_Zarbisa
				2	Chhoeten Nyingpo_Uesarkha
				3	Heyloog_Tongzhoognang
				4	Peltari
				5	Sirigang_Wakoo Damchhi

cont...

Table cont...

Dzongkhag Code	Dzongkhag Name	Gewog Code	Gewog Name	Chiwog Code	Chiwog Name
10	Punakha	7	Lingmukha	1	Dompala
				2	Goomkarmo
				3	Lingmukha
				4	Nabchhed
				5	Umtoedkha
		8	Shelnga-Bjemi	1	Chongzhi_Jarigang_Jazhikha
				2	Datong
				3	Gangkha
				4	Khubji_Tshosa
				5	Thongbji
		9	Talog	1	Dongkokhar_Yonggu
				2	Gangthramo_Labtsakha_Soelw-drangsa
				3	Loongnangkha
				4	Norbugang
				5	Talog
		10	Toedpaisa	1	Bichhekha_Yuel_Hamo
				2	Damkhyi_Rinakha
				3	Dochola_Maenchhuna
				4	Goenmkha_Mendrelgang
				5	Lemjakha_Thinleygang
		11	Toedwang	1	Dawakha
				2	Jibjo_Yuesarkha
				3	Kewanang_Tshachhuphu
				4	Tamigdamchhu_Thangbji
				5	Tse-phu_Khawakha
11	Samdrup Jongkhar	1	Dewathang	1	Bangtsho
				2	Chhenangri_Rishor
				3	Domphu_Dungkarchhoeling
				4	Martang
				5	Rikhey
		2	Gomdar	1	Broomi_Chidoongkhar
				2	Denchhi
				3	Gomdar_Richhanglu
				4	Khoyar Pangthang_Palroong
				5	Narphoong

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Table cont...

Dzongkhag Code	Dzongkhag Name	Gewog Code	Gewog Name	Chiwog Code	Chiwog Name
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_Wangphu
				3	Kaaptang_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	Kathoobdang_Shiling Gye
				3	Pemathang
				4	Raling
				5	Uesarna_Warong
		8	Phuent-shogthang	1	Baylamsharang
				2	Doongkarling
				3	Khamaedthang
				4	Minjigang
				5	Phuentshogthang
				6	Samdrupchhoeling
		9	Samrang	1	Damsagang Maed
				2	Damsagang Toed
				3	Ngangtshothang Maed
				4	Ngangtshothang Toed
				5	Tshoduen

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Table cont...

Dzongkhag Code	Dzongkhag Name	Gewog Code	Gewog Name	Chiwog Code	Chiwog Name
11	Samdrup Jongkhar	10	Serthig	1	Dangtsho_Serthig
				2	Drenphu
				3	Khandophu_Minjiwoong
				4	Monmola_Tashithang Gyed
				5	Phagchhog_Suskar
		11	Wangphu	1	Bayuel_Pangthang
				2	Benporong_Yarphu
				3	Sachhilo
				4	Serchhenmo_Wangphu
				5	Shogshi
12	Samtse	1	Doomtoed	1	Doomtoed Chhewa
				2	Doomtoed_Chhungwa_Jarikha
				3	Doomtoed_Khaling
				4	Gebji_Kuzhuggang
				5	Maedgang
		2	Dophuchen	1	Aringgang_Midzomsa
				2	Dangreybu_Ngagang
				3	Manigang_Thingyorsa
				4	Melong-Gang_Thuloong-Gang
				5	Sangloong_Sengteng
				6	Singye
		3	Duenchhukha	1	Biloong_Poongthra
				2	Domchhukha_Shitaakha
				3	Duenchhukha_Gabji
				4	Gawaling_Karzhing
				5	Gesarling_Yomedling
		4	Namgyalch-hoeling	1	Chhunagang_Chhoedeling
				2	Gyalposhing_Sa-Tsangsa
				3	Namgyalchhoeling
				4	Pagshingkha_Tshachhugang
				5	Sernyagang_Tsholingkhar
		5	Norboogang	1	Dawaling_Yangphelthang
				2	Dhamzhagsa_Tsaphel Thang
				3	Dramzegang_Maedgang
				4	Khangduzhi_Kyidsa
				5	Lambi_Lamjosa

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Table cont...

Dzongkhag Code	Dzongkhag Name	Gewog Code	Gewog Name	Chiwog Code	Chiwog Name
12	Samtse	6	Norgaygang	1	Chhu-Goo_Phendegang
				2	Chongzhu_Tshachhu
				3	Dangreybu_Patshaling
				4	Joempang_Linggarnang
				5	Khabaabgang_Noryog
				6	Miphelgang_Samphelgang
		7	Pemaling	1	Chhusilgang_Dramedsa
				2	Dizang-Gang_Nakeyling
				3	Manigang_Tashithang
				4	Norgyeling_Shingdregang
				5	Thangchhennang_Damtshangna
		8	Phuentshog-pelri	1	Chhunag_Doomshinggang
				2	Gashingma_Ketshael-Gang_Thongjabin
				3	Jangchhogling_Lachhuthang
				4	Nyoenpaling_Tingtingma
				5	Tashilakha_Uelgyalling
		9	Samtse	1	Damtshangma_Khandothang
				2	Dewathang_Lamaithang
				3	Lingmaithang_Taserpo
				4	Nyimaling_Chhirlogsa
				5	Sa-tshamchhu_Tshongdzom
		10	Sang-Ngag-Chhoeling	1	Chhuchhungsa_Chhoedeling
				2	Dephellingmaed_Khangzangling
				3	Dephellingtoed_Namseling
				4	Joenlegsa_Sang-Ngag-Chhoeling
				5	Ngoedroobling
		11	Tading	1	Dangreybu_Nyindooglakha
				2	Khempagang_Panzhing
				3	Norjangsa_Zochhaling
				4	Tading_Tenpaling
				5	Thongsa_Tobchhenthang
		12	Tashichhoe-ling	1	Baepoteng_Kangdoongphu
				2	Daangling_Gangjoog
				3	Dewachen_Zhiwaling
				4	Norjangsa_Peljorling
				5	Tashichhoeling

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Table cont...

Dzongkhag Code	Dzongkhag Name	Gewog Code	Gewog Name	Chiwog Code	Chiwog Name
12	Samtse	13	Tendruk	1	Dawathang_Kuengaling
				2	Kachhen_Kuchhen
				3	Khengtong_Targothang
				4	Miglamthang_Thagpzosa
				5	Nyizergang_Tendruk
		14	Ugyentse	1	Dangkarling_Dechhengang
				2	Dangreybu_Rigpailing
				3	Jarithang
				4	Kardhog
				5	Nyimalung_Tharpaling
		15	Yoeseltse	1	Dungkar
				2	Koenchhogling_Soenamkhar
				3	Pelkithang_Rangjoongling
				4	Rinchhenphu_Samtenchhu
				5	Zurigang_Jigmedthang
13	Sarpang	1	Chhudzom	1	Draagchhu
				2	Gaalegthang
				3	Jangchhubling
				4	Lhayuel
				5	Sherabling
		2	Chhuzang-gang	1	Barthang
				2	Chagsakhar
				3	Nyimaling_Shawapong
				4	Pangzor
				5	Thongjabi_Yueling
		3	Dekiling	1	Chhoekhorling
				2	Dekiling
				3	Gawaithang
				4	Jigmeling
				5	Nubgang
		4	Gakiling	1	Gakiling
				2	Getemkha
				3	Maenchhulam
				4	Rilangthang
				5	Sangkha

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Table cont...

Dzongkhag Code	Dzongkhag Name	Gewog Code	Gewog Name	Chiwog Code	Chiwog Name
13	Sarpang	5	Gelegphu	1	Dzomlingthang
				2	Lekidthang
				3	Pelrithang Khamaed
				4	Pelrithang Khatoed
				5	Pemathang
		6	Jigme Chhoe-ling	1	Chhoetenkhar
				2	Gongduegang
				3	Gongtsekha
				4	Khamaed
				5	Khatoed
				6	Samkhar
		7	Samtenling	1	Chhoekhorling_Dechen Pelri
				2	Dechhen Pelri
				3	Khenpagang
				4	Samtenling
				5	Samtenthang
		8	Senggey	1	Labtsakha
				2	Nyenyul
				3	Rishong
				4	Sangyethang
				5	Yarphelling
		9	Serzhong	1	Barshong
				2	Norbuling
				3	PemaYoedling
				4	Serzhong
				5	Tashiphu
		10	Shompangkha	1	Dargyethang
				2	Gomchola
				3	Koenchhogling
				4	Risoomgang
				5	Shompangkha
		11	Tareythang	1	Dorjitse
				2	Pemachhoeling
				3	Tashichhoeling
				4	Woongchhiloo
				5	Yoezergang

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Table cont...

Dzongkhag Code	Dzongkhag Name	Gewog Code	Gewog Name	Chiwog Code	Chiwog Name
13	Sarpang	12	Umling	1	Daangling
				2	Doongmin
				3	Gaden
				4	Rijoog
				5	Tashithang
14	Thimphu	1	Chang	1	Changyokha-Debsid
				2	Gangchhe_Talakha
				3	Lhoongtsho_Tashigang
				4	Ramtoktok_Tsangrina
				5	Yoeselpang
		2	Darkarla	1	Chamgang Maed
				2	Chamgang Toed
				3	Doongdrog
				4	Gyaltala
				5	Wangdrog
		3	Ge-nyen	1	Chizhi
				2	Ge-nyenkha
				3	Tsho-chekha_Zamtog
				4	Wangbama
				5	Zang-legkha
		4	Kawang	1	Boegarna_Dodennang
				2	Chhamina_Chkhokhor
				3	Chhangdagang_Chhoekhortse_Pha-joding
				4	Dazhi-Zhoshuel
				5	Kuzhugchen
		5	Lingzhi	1	Chakphu
				2	Chhuzarkha
				3	Gangyuel
				4	Khangki yuel
				5	Shayuel
		6	Maedwang	1	Danglo-Namsaeling
				2	Jiminang
				3	Khasadrupchhu
				4	Sisinang
				5	Tsha-loong-na

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Table cont...

Dzongkhag Code	Dzongkhag Name	Gewog Code	Gewog Name	Chiwog Code	Chiwog Name
14	Thimphu	7	Naro	1	Barshong_Nango
				2	Moentsiphu
				3	Pagoed
				4	Tagsidthang
				5	Zhomthang
		8	Soe	1	Damgochong
				2	Dotagpaithang
				3	Dozotoen
				4	Jangothang
				5	Jomphu
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	Tshekhar
				5	Tsigtoom
		3	Kanglung	1	Maanthong
				2	Mertsham_Thra-Gom
				3	Pangthang_Ritsangdoong
				4	Rongthoong_Shingchhen
				5	Yonphula
		4	Kangpar	1	Bedengphu_Merdag
				2	Kangpar_Lamyong
				3	Passaphu_Peydoong
				4	Threlphu
				5	Zordoong
		5	Khaling	1	Barshong
				2	Bayphu_Togkaphu
				3	Brekha_Merengzor
				4	Gomchhu_Kholdoong
				5	Jiri_Lemi
				6	Khaling

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Table cont...

Dzongkhag Code	Dzongkhag Name	Gewog Code	Gewog Name	Chiwog Code	Chiwog Name
15	Trashigang	6	Lumang	1	Chhengri_Doongmanma
				2	Dubkhang_Lumang
				3	Kharphu_Kurchhilo
				4	Moochhu_Wakhar
				5	Riserbu_Tsangpo
				6	Tshogoenpa
		7	Merag	1	Gyen-go
				2	Khashateng
				3	Khiliphoo
				4	Merag Maed
				5	Merag Toed
		8	Phongmed	1	Lem
				2	Phimsong
				3	Phongmed
				4	Thong-Rong
				5	Ya-Brang
		9	Radhi	1	Dekiling_Tsenkhar
				2	Kadam
				3	Nagtshang_Togshingmang
				4	Pakaling
				5	Tongling Pam
		10	Sagteng	1	Borangmang_Borangtse
				2	Joenkhar_Moorbi
				3	Pusa_Tenmang
				4	Sagteng
				5	Thrag Thri
		11	Samkhar	1	Bikhar_Domkhar
				2	Chagzam_Pam
				3	Kapang_Yenangdrangsa
				4	Khabti_Lungtenzampa
				5	Maelphe_Samkhar
				6	Rangzhikhar_Sardang
		12	Shongphu	1	Chaling
				2	Chhangmi_Rangjoong
				3	Dramin_Shongphu
				4	Galing
				5	Gongtsephangma_Yobinang

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Table cont...

Dzongkhag Code	Dzongkhag Name	Gewog Code	Gewog Name	Chiwog Code	Chiwog Name
15	Trashigang	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_Ngambinang
				4	Kharza_Leyphu
				5	Shokang_Tegtegepa
16	Trashi Yangtse	1	Boomdeling	1	Betsamang
				2	Bomdhir_Wogmanang
				3	Gangkhardoong_Tshaleng
				4	Ngalimang_Phanteng
				5	Pangkhar_Taphel
		2	Jamkhar	1	Chhema-Taagchhema
				2	Laishoom_Largyab
				3	Neydraag_Paechhu
				4	Rijoong_Yoob
				5	Shingkhar_Tongla
		3	Khamdang	1	Dhomtshang_Karmadzom
				2	Doongtse_Lengkhar
				3	Khamdang_Manla
				4	Nombaring_Shazam
				5	Serpang_Shalli
		4	Ramjar	1	Bainang-Reb_Romang
				2	Bawoong
				3	Dhomtshang_Doongmaen
				4	Khalapangthang_Tsang-Rong
				5	Lengbartang_Woongkhar

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Table cont...

Dzongkhag Code	Dzongkhag Name	Gewog Code	Gewog Name	Chiwog Code	Chiwog Name
16	Trashig Yangtse	5	Toedtsho	1	Chhemkhar_Manam
				2	Jangphootse_Thangdoong
				3	Khi-Nyel_Togshing
				4	Maeldoong
				5	Nangkhar_Seb
				6	Sertsho
		6	Tongmajangsa	1	Baagpa_Kuenzangling
				2	Bainangkhar_Gomkora
				3	Changmadoong_Soggangnang
				4	Maenchhu_Tsangdhoong
				5	Pang-Lhauzhing
		7	Yalang	1	Chhema_Melongkhar
				2	Dhoogti_Gashing
				3	Namthig_Yerphel
				4	Phuyang_Yalang
				5	Rolam_Thragom
		8	Yangtse	1	Baaney_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	Korphu	1	Korphu Maed
				2	Korphu Toed
				3	Nabi
				4	Nyimzhong Maed
				5	Nyimzhong Toed
		3	Langthil	1	Baling
				2	Dhangdoong
				3	Jangbi
				4	Langthil
				5	Yuedroongchhoeling

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Table cont...

Dzongkhag Code	Dzongkhag Name	Gewog Code	Gewog Name	Chiwog Code	Chiwog Name
17	Trongsa	4	Nubi	1	Baagochen _Boolingpang_ Ueling
				2	Bemji _Chela
				3	Bji_ Saengmbji
				4	Dharbab_ Sinphu
				5	Gagar_ 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	Choonyikhang
				4	Gangtogkha
				5	Toedsang
		2	Doonglagang	1	Dangreybu Maed
				2	Dangreybu Toed
				3	Dingrigang_ Lhamoi-Loongm
				4	Khirithang
				5	Norjangsa
		3	Gosarling	1	Dzamlingthang
				2	Dzamling Zor
				3	Pelrithang
				4	Pemathang
				5	Phuensoomgang
		4	Kilkhorthang	1	Dekiling
				2	Maenchhana
				3	Nyizergang
				4	Sa-Tsangma
				5	Tashiyangjong
		5	Mendrelgang	1	Dzamling Zor
				2	Mendrelgang
				3	Pemashong_ Samshing Gaden
				4	Riserbu
				5	Tashipang

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Table cont...

Dzongkhag Code	Dzongkhag Name	Gewog Code	Gewog Name	Chiwog Code	Chiwog Name
18	Tsirang	6	Patshaling	1	Chhudzomsa
				2	Pangthang
				3	Patshaling Maed_Tsakaling
				4	Patshaling Toed
				5	Thakorling
		7	Pungtenchhu	1	Goentegkha_Tongshinggang
				2	Norbuthang
				3	Peljorling
				4	Serzhong
				5	Tashichhoeling
		8	Rangthangling	1	Charingma_Rangthangling
				2	Dharchhargang
				3	Gagaling_Nyimazor
				4	Neymedsa
				5	Soonkosh
		9	Semjong	1	Dangreygang
				2	Dekiling
				3	Dzomling
				4	Tashiling Maed
				5	Tashiling Toed
		10	Sergithang	1	Norboogang
				2	Semdenjong
				3	Sergithang Maed
				4	Sergithang Toed
				5	Tashithang
		11	Tsholingkhar	1	Droobchhugang
				2	Gomsoom
				3	Kapazhing
				4	Tsholingkhar Maed
				5	Tsholingkhar Toed
		12	Tsirang Toed	1	Kabelzhing
				2	Soentabsa
				3	Tagthang_Wangphu
				4	Tongshingnang
				5	Tsirang Toed

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Table cont...

Dzongkhag Code	Dzongkhag Name	Gewog Code	Gewog Name	Chiwog Code	Chiwog Name
19	Wangdue Phodrang	1	Athang	1	Jaroggang_Dzawo
				2	Lawa_Lamga
				3	Lomtshokha
				4	Lophokha_Phagtakha
				5	Rookha
		2	Bjenag	1	Bjenagloongpa_Thingmakha
				2	Garzhikha_Omchheygang
				3	Ngawang_Tongchennang
				4	Tashi Tokha
				5	Wachhey
		3	Dangchhu	1	Doongdoong Nyelsa_Norbooding
				2	Godraang_Taagsar
				3	Tashidingkha_Zimi
				4	Tokaling_Tomla
				5	Uesagang
		4	Darkar	1	Gyapakha
				2	Kameychhu_Uma Khamaed
				3	Kamina_Wogyal
				4	Sili_Taagsha
				5	Uma Khatoed
		5	Gangteng	1	Gangteng
				2	Gorgoen
				3	Jangchen_Koombu
				4	Tapaiteng_Uesa
				5	Yaekorwog
		6	Gase Tshogomgm	1	Changche_Matshigpogto
				2	Changkha
				3	Dabchhaykha_Matshigkha
				4	Khamaedna
				5	Khatoedkha
		7	Gase Tshowogm	1	Haebisa
				2	Haetshokha
				3	Medpaisa_Taabchhaekha
				4	Shingkhey_Khamaed
				5	Shingkhey_Khatoed

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Table cont...

Dzongkhag Code	Dzongkhag Name	Gewog Code	Gewog Name	Chiwog Code	Chiwog Name
19	Wangdue Phodrang	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_Radzawog
				6	Samtengang
		11	Phangyuel	1	Chhunggoen
				2	Chhungserkha_Dhomkha
				3	Goenkhar
				4	Koomchhi_Phangyuel
				5	Uesargang_Hampoekha
		12	Phobji	1	Damchhoe_Gangphel
				2	Dogsenang_Gorphu
				3	Drangpa_Pangsar
				4	Khyimdro_Nemphel
				5	Talachen_Tawa-Ta-Phu
		13	Ruebisa	1	Bangtoedkha
				2	Bjagphu
				3	Gyala
				4	Khothangkha
				5	Oola
				6	Zamding

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Table cont...

Dzongkhag Code	Dzongkhag Name	Gewog Code	Gewog Name	Chiwog Code	Chiwog Name
19	Wangdue Phodrang	14	Saephu	1	Boomilog
				2	Booso_Zeri
				3	Longtoed
				4	Nakha
				5	Rukoobji
		15	Thedtsho	1	Martaloongchu
				2	Rinchhengang Maed
				3	Rinchhengang Toed
				4	Thanggoo
				5	Wangjokha
20	Zhemgang	1	Bardo	1	Bardo
				2	Dhigala
				3	Khomshar
				4	Langdhorbi
				5	Phulabi
		2	Bjoka	1	Barpong_Namirgang
				2	Bjoka
				3	Chabdenba_Zarkabla
				4	Dhali
				5	Kamati
		3	Goshing	1	Budhashi
				2	Lamthang
				3	Lichibi
				4	Lingmapong_Samchhoeling
				5	Mewanggang
		4	Nangkor	1	Buli
				2	Dhakphel_Tali
				3	Duenmang
				4	Goleng
				5	Nyakhar
		5	Ngangla	1	Kagtong
				2	Marangduet
				3	Ngangla Trong
				4	Panbang_Sonamthang
				5	Ribati

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Table cont...

Dzongkhag Code	Dzongkhag Name	Gewog Code	Gewog Name	Chiwog Code	Chiwog Name
20	Zhemgang	6	Phangkhar	1	Chag-Ngar-Zam
				2	Mamo Trong_Pantang
				3	Panabi
				4	Pongchola_Taduejong
				5	Shalingtoed_Tashibi
		7	Shingkhar	1	Nyimzhong_Thajong
				2	Radhi
				3	Shingkhar
				4	Thrisa
				5	Wamling
		8	Trong	1	Berti_Tagma
				2	Dhangkhar_Trong
				3	Gongphu
				4	Soobdrang
				5	Tshanglajong_Zurphel

Source: Bhutan Standard Statistical Geographic Code 2020, NSB

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List of Dzongkhags by Town Name and Codes, Bhutan, December 2020

Dzongkhag Code	Dzongkhag Name	Town Code	Town Name
01	Bumthang	51	Bumthang Town
		61	Chhumig Town
02	Chukha	51	Phuentshogling Thromde
		52	Tsimasham Town
		61	Chhukha Colony Town
		62	Dala Town
		63	Gedu Town
03	Dagana	51	Dagana Town
		61	Dagapela Town
		62	Drujegang Town
		63	Lhamoyzingkha Town
		64	Sankosh Town
04	Gasa	51	Gasa Town
		61	Damji Town
05	Haa	51	Haa Town
		61	Jyenkana Town
06	Lhuentse	51	Lhuentse Town
		61	Autsho Town
07	Monggar	51	Monggar Town
		61	Drametse Town
		62	Gyalposhing Town
		63	Kilikhar Town
		64	Lingmethang Town
		65	Yadi Town
08	Paro	51	Paro Town
		61	Beteykha Town
09	Pema Gatshel	51	Denchi Town
		61	Kherigonpa Town
		62	Khothakpa Town
		63	Mongling Town
		64	Nangkor Town
		65	Nanglam Town
		66	Pema Gatshel Town (old)
		67	Yalang Town
10	Punakha	51	Punakha Town
		61	Lobaysa Town

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Table cont...

Dzongkhag Code	Dzongkhag Name	Town Code	Town Name
11	Samdrup Jongkhar	51	Samdrup Jongkhar Thromde
		61	Jomotsangkha Town (Diafam)
		62	Samdrupcholing Town
12	Samtse	51	Samtse Town
		61	Gomtu Town
		62	Sipsu Town
13	Sarpang	51	Gelephu Thromde
		52	Sarpang Town
14	Thimphu	51	Thimphu Thromde
		61	Khasadrapchu Town
15	Trashigang	51	Trashigang Town
		61	Kanglung Town
		62	Khaling Town
		63	Rangjung Town
		64	Riserbu Town
		65	Wamrong Town
16	Trashi Yangtse	51	Trashi Yangtse Town
		61	Duksum Town
17	Trongsa	51	Trongsa Town
		61	Kuengarabten Town
18	Tsirang	51	Tsirang Town
		61	Mendrelgang Town
19	Wangdue Phodrang	51	Wangdue Phodrang Town
		61	Nobding Town
		62	Rurichu Town
20	Zhemgang	51	Zhemgang Town
		61	Panbang Town
		62	Tingtibi Town

Source: Bhutan Standard Statistical Geographic Code 2020, NSB

A. Chapters Name Changed

The chapter name changed to “Electricity” from “Energy”.

The chapter name changed to “Balance of Payments” from “Foreign Trade”.

B. Tables Added

The Statistical Yearbook 2021 includes the following tables which were not included in the previous publication:

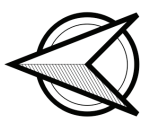
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Administrative Map of Bhutan

