



རྒྱལ་ཡོངས་ཚུལ་དཔྱད་བཀོད་འཛིན།

National Statistics Bureau



འབྲུག་གི་ཚུལ་དཔྱད་ལོ་དེབ་ ༢༠༢༢ །

Statistical Yearbook of Bhutan

2022

October 2022



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STRUCTURE OF THE ROYAL GOVERNMENT OF BHUTAN

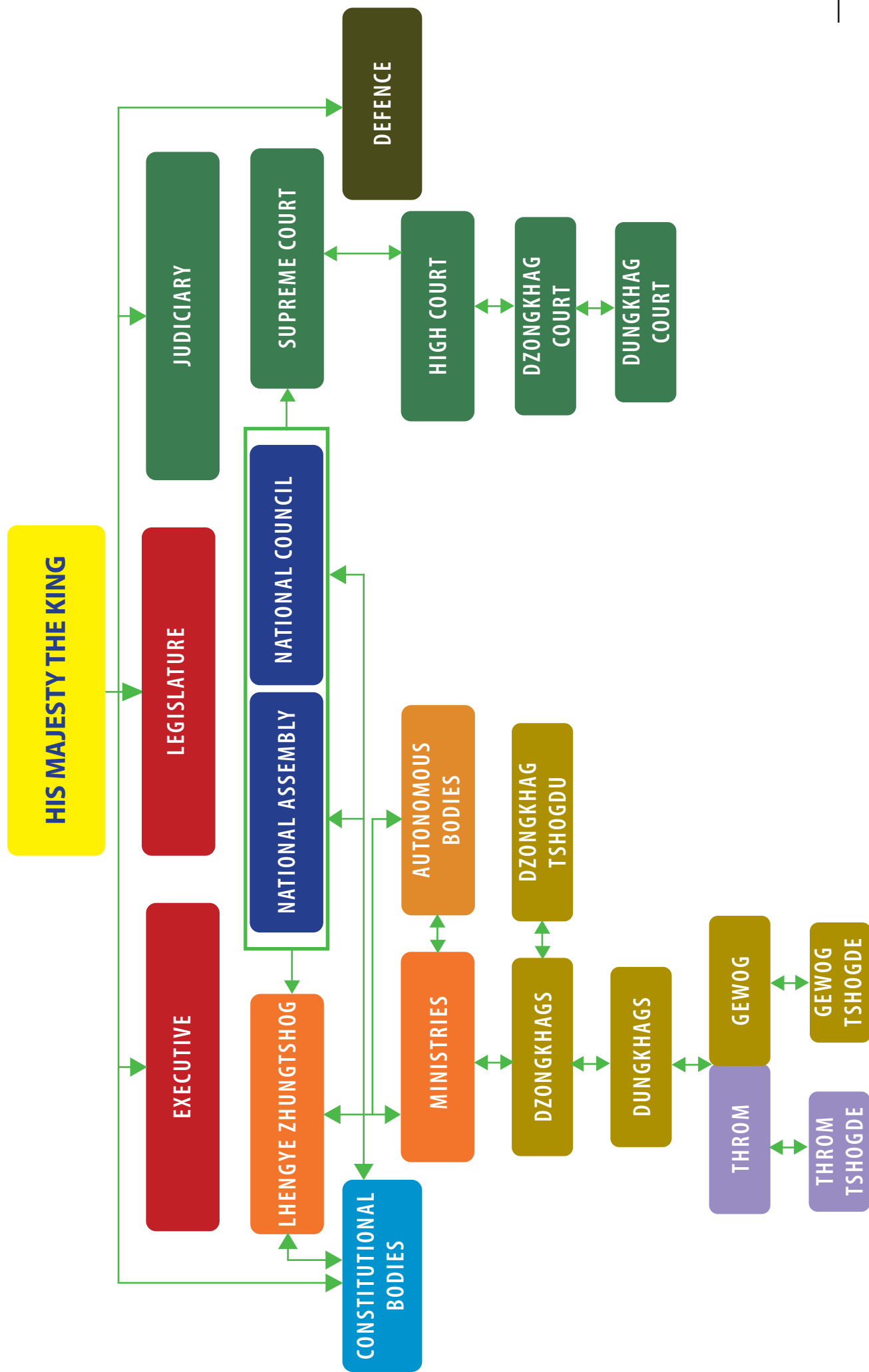


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PREFACE

This Statistical Yearbook of Bhutan (SYB) 2022 publication is the 40th 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 2022. 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

Unless otherwise indicated, the present issue of the Yearbook contains statistics available as of December 2022.

For some tables, there are footnotes indicating information specific to each figure in the table.

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: 2019/21)

- A hyphen between years indicates the full period involved including beginning and end (for years 2019 , 2020 & 2021; 2020-2021)

Detail figures in the tables may not add up to the totals because of rounding.

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 2022, National Statistics Bureau.

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}

Conversion Units (lengths)

1 inch = 2.539998 cm

1 foot = 0.3047997 m

1 yard = 0.9143992 m

1 mile = 1.609343 km

1 nautical mile = 1.853182 km

Length Measurement

Metric Equivalents

10 mm = 1 cm

10 cm = 1 dm

10 dm = 1 m

10 m = 1 dkm

10 dkm = 1 hm

10 hm = 1 km

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

Abbreviations

mm = millimeter

cm = centimeter

m = meter

dm = decimeter

dkm = dekameter

hm = hectometer

Abbreviations

1 m = 39.370113 inches

1 m = 3.280843 feet

1 m = 1.093614 yard

1 k = 0.6213717 miles

Area Measurements

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 acre	= 0.405 hectares
640 acres	= 1 square miles

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

Conversion 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

Weight Measurements

16 dram	= 1 ounce

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

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

Conversion 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

Conversion of Air Temperatures

Degree Celsius to degree Fahrenheit.

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

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, 2022	763,249
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, 2021	58
Number of Doctors, 2021	279
Number of Schools, Institutes and Centers, 2022	1,707
Number of Teachers, Lecturers, Instructors, Trainers & Facilitators, 2022	11,923
Number of Students (Including Institutes & NFE), 2022	231,301
Number of Civil Servants, (as of 31st December 2021)	31,177
Labour Force Participation Rate, (LFS 2021)	69.1
Unemployment Rate, (LFS 2021)	4.8
Number of Active Fixed Line Connection, 2021	19,680
Number of B-Mobile Subscribers, 2021	465,104
Number of Tashicell Subscribers, 2021	312,904
Number of Postal Infrastructures, 2021	48
Total Road Length (Km.), 2021	18,270.16
Number of Registered Vehicles as of June 2022	122,865
Electricity Generation (MU), 2021	10,822.78
Electricity Exports (MU), 2021	8,075.50
Number of Tourist Arrivals (MDPR), 2021	1
Revenue from Tourism (US \$ in Million), 2021	0.0014
Number of Total Industrial Establishments as of June 2022 (Active)	54,170
Balance of Trade (Nu.in Million), 2021	(12,429.500)
Exchange Rate (Calendar Year), Nu. Per US \$, 2021	73.940
Gross International Money Reserves (US \$ in Million), 2020/21	1,332.39
Total Twelfth Plan Budgetary Outlay (Nu.in Million) 2018-2023	197,941.660
GDP at Current Market Price (Nu.in Million), 2021	187,772.77
Annual Average Inflation Rate (Percent), 2021	7.35
Purchasing Power of Nu. 2020 (Dec 2012 = 100)	63.70

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:

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.

Act as the house of review on matters affecting the security and sovereignty of the country and the interests of the nation and people that need to be brought to the notice of His Majesty, the Druk Gyalpo, the Prime Minister and the National Assembly.

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

from the seven members. The National Council is assisted in the discharge of its parliamentary functions by a secretariat which is headed by a Secretary General.

The Monastic Body

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

have undergone prolonged mediation. The present Je-Khenpo Trulku Jigme Chhoeda is the 70th in succession. He was appointed in 1996.

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

CHAPTER 1

POPULATION

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

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

Source: Population & Housing Census of Bhutan, 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
Trashiyangtse	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					
	Male	Female	Both Sex	Male	Female	Both Sex	Male	Female	Both Sex	Urban	Rural	Both Areas
0 - 4	11,071	10,409	21,480	18,105	17,889	35,994	29,176	28,298	57,474	106.36	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	Old Age	Total	
					Dependency Ratio	Dependency Ratio	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
Samtse	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
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
Trashi 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
Trashigang 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
Trashy 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, 2018 - 2022

Dzongkhag	2018						2019						2020						2021						2022						(Number)						
	Male			Female			Both			Male			Female			Both			Male			Female			Both			Male				Female			Both		
Bumthang	9,411	8,507	17,917	9,425	8,590	18,015	9,437	8,673	18,110	9,448	8,755	18,203	9,456	8,835	18,291																						
Chhukha	36,048	33,109	69,157	36,052	33,292	69,344	36,049	33,470	69,519	36,037	33,640	69,678	36,016	33,804	69,820																						
Dagana	13,048	12,075	25,122	13,140	12,140	25,280	13,232	12,204	25,435	13,321	12,264	25,586	13,410	12,322	25,732																						
Gasa	2,139	1,879	4,019	2,175	1,911	4,086	2,211	1,943	4,154	2,247	1,975	4,222	2,283	2,007	4,290																						
Haa	7,454	6,236	13,690	7,473	6,252	13,725	7,491	6,267	13,757	7,507	6,279	13,786	7,522	6,290	13,812																						
Lhuentse	7,337	6,951	14,288	7,265	6,869	14,134	7,191	6,783	13,973	7,113	6,693	13,806	7,032	6,599	13,631																						
Monggar	18,108	18,909	37,017	17,965	18,912	36,877	17,816	18,909	36,726	17,661	18,901	36,561	17,498	18,886	36,384																						
Paro	24,335	22,885	47,220	24,735	23,402	48,137	25,137	23,924	49,061	25,540	24,450	49,990	25,944	24,979	50,923																						
Pema Gatshel	11,940	11,734	23,673	11,957	11,756	23,713	11,972	11,776	23,748	11,985	11,792	23,777	11,994	11,805	23,799																						
Punakha	15,306	13,840	29,146	15,535	14,022	29,557	15,766	14,203	29,968	15,997	14,383	30,380	16,228	14,562	30,790																						
Samdrup Jongkhar	18,321	16,739	35,060	18,311	16,725	35,037	18,297	16,707	35,004	18,279	16,682	34,961	18,256	16,652	34,908																						
Samtse	31,981	30,719	62,700	31,938	30,868	62,806	31,887	31,012	62,899	31,827	31,150	62,977	31,759	31,280	63,039																						
Sarpang	24,350	22,340	46,689	24,686	22,698	47,383	25,023	23,057	48,079	25,360	23,417	48,776	25,696	23,776	49,472																						
Thimphu	74,249	68,321	142,570	76,002	70,464	146,466	77,772	72,632	150,404	79,555	74,824	154,379	81,349	77,038	158,387																						
Trashigang	23,145	21,878	45,023	22,869	21,644	44,513	22,584	21,398	43,982	22,288	21,141	43,429	21,981	20,871	42,852																						
Trashigang Yangtse	8,660	8,531	17,191	8,599	8,479	17,078	8,535	8,423	16,958	8,468	8,363	16,831	8,397	8,300	16,697																						
Trongsa	12,312	8,216	20,528	12,754	8,352	21,105	13,200	8,488	21,688	13,652	8,624	22,276	14,108	8,761	22,869																						
Tsirang	11,664	10,989	22,653	11,803	11,130	22,934	11,943	11,271	23,214	12,082	11,411	23,493	12,220	11,551	23,771																						
Wangdue Phodrang	24,985	18,117	43,102	25,679	18,353	44,032	26,381	18,588	44,969	27,088	18,823	45,911	27,802	19,056	46,858																						
Zhemgang	9,118	8,491	17,609	9,039	8,411	17,450	8,956	8,327	17,283	8,870	8,239	17,109	8,781	8,145	16,926																						
Total	383,909	350,465	734,374	387,402	354,270	741,672	390,877	358,054	748,931	394,325	361,806	756,131	397,732	365,519	763,251																						

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

CHAPTER 2 HEALTH

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, and 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, 2017 - 2021

Facilities	2017	2018	2019	2020	2021
Number of Hospitals ¹	32	33	54	58	58
Public Hospitals	26	27	48	52	52
RBA Hospitals	2	2	2	2	2
Indigenous Hospital	1	1	1	1	1
IMTART Hospitals	3	3	3	3	3
Number of Primary Health Centers ²	208	209	186	182	179
Number of Outreach Clinics ³	551	551	542	552	555
Number of Indigenous Units	66	66	70	72	75
Number of Sub-post	45	53	53	54	53
Persons per doctor ⁴	2,132	2,179	2,239	2,229	2,156
Ratio of beds per Nurse	1.1	1.1	0.8	1.1	1.1
Ratio of Nurses per Doctor	3.6	3.5	4.3	4.5	5.0
Doctors per (10,000) persons	4.3	4.6	4.3	4.6	4.6
Nurses per (10,000) persons	16.2	16.5	18.6	20.9	21.1
Pharmacists per (10,000) persons	0.5	0.6	0.6	0.6	0.6
HA/BHW per (10,000) persons	8	8.3	8.4	8.9	8.9
Dungtshos per (10,000) persons	0.7	0.7	0.7	0.7	0.8
sMempas per (10,000) persons	1.4	1.5	1.6	1.9	1.9
Persons per hospital bed	569	552	442	456	446
Number of hospital beds available	1,277	1,310	1,600	1,640	1,710
Hospital bed per 10,000 persons	18	18	22	23	22
Distribution of health facilities per (10,000) persons	3.8	3.8	3.8	4.0	3.8
Proportion of population within 3 hrs walking distance of a health facility	>90	>90	>90	>90	>90
Proportion of Deliveries attended by trained personnel(%)	96.4	96.2	96.2	99.3	98.2

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

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

³ ORC (Inclusive of with shed & without shed)

⁴ The population is based on Population Projections Bhutan, 2017 - 2047, NSB

Source: Annual Health Bulletin 2022, MoH.

Table 2.2: Number of Health Facilities by Dzongkhag and Type, 2021

	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	3	6	33	8
Dagana	3	7	0	3	30	4
Gasa	1	3	0	1	4	1
Haa	1	4	2	3	8	9
Lhuentse	1	14	0	4	28	4
Monggar	2	22	5	5	53	5
Paro	1	3	3	1	19	2
Pema Gatshel	2	11	7	5	31	5
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	3	12	0	3	7	9
Trashigang	7	14	4	7	51	3
Trashigang Yangtse	2	7	2	3	26	0
Trongsa	2	5	4	5	19	0
Tsirang	2	6	1	2	17	3
Wangdue Phodrang	2	12	8	6	20	7
Zhemgang	4	10	5	4	29	5
Total	52	185	54	78	476	78

Note: ¹ RBA and IMTART are excluded

² Health Center are included under PHC

Source: Annual Health Bulletin 2022, MoH

Table 2.3: Number of Health Personnel by Category, 2017 - 2021

Health Personnel	2017	2018	2019	2020	2021
Specialists		92	114	119	136
MS/CMO/MO/GDMO/Gen-Specialist/Sub-Specialist		186	204	217	143
Dental Specialist				11	15
Dental Surgeon		59	58	59	60
Medical Technologist		178	200	219	219
Lab Technologist/Entomologist		53	69	54	54
Pharmacist	36	44	43	42	46
Physiotherapist/Occupational Therapist	21	27	28	34	35
Orthotic/Prosthetic Technology		1	1	26	26
Clinical Officer	25	21	26	25	24
Radio Technologist		8	8	12	14
Dietician/Nutritionist		24	25	26	25
Medical Technicians		926	982	1,073	1,117
Nurses Anesthetist		21	29	32	28
OT Technicians		41	54	55	40
EMRO/EMT		39	32	43	36
Dental Hygienist		67	67	71	86
Dental Technicians		39	37	47	54
ENT Technician/Audiologist		24	30	32	36
Lab Technicians/Asst.		256	258	291	304
Malaria Technicians		34	37	33	33
Optometrist/Ophthalmic Technicians		62	65	62	65
Ortho Technicians		27	25	26	26
Pharmacy Technicians		150	172	193	202
Physio Technicians		64	65	69	78
X-Ray/Radiographer		102	111	119	129
Health Assistants	600	604	620	650	659
Nursing/Clinical Counselor		1,202	1,364	1,523	1,622
Clinical Counselor ¹				6	14
Clinical Nurse		84	193	216	278
Staff/Asst. Nurse		1,118	1,171	1,301	1,330
Traditional Medicine		166	170	190	205
Drungtsho	55	53	54	52	59
sMenpa/Therapy Aide	113	113	116	138	146
Adm. & Support		1,869	2,184	2,425	2,471
DHO/ADHO				42	41
Adm. & Support	1,010	882	1,031	1,044	1,078
ESP/GSP	594	987	1,153	1,339	1,352

Note: ¹ Clinical counselors were only introduced in 2020

Source: Annual Health Bulletin, MoH.

Table 2.4: Top Ten Morbidity¹, 2017 - 2021

	(Number)
Diseases	2021
Common Cold	143,233
Other Diseases of the Digestive System	92,803
Other Disorders of Skin & Subcutaneous-tissues	91,755
Other Musculo-skeletal Disorders	88,209
Other Nervous including Peripheral Disorders	68,317
Skin Infections	67,801
Other Respiratory & Nose Diseases	48,739
Dental Caries	48,217
Other Eye Disorders	47,273
Peptic Ulcer Syndrome	46,082
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
Other Disorders of Skin and Subcutaneous tissue	96,328
Other Musculo-Skeletal Disorders	91,409
Skin Infections	83,480

Table 2.4: Top Ten Morbidity¹, 2017 - 2021

	(Number)
Diseases	2017
Acute Pharyngitis/Tonsillitis	69,501
Other Nervous including Peripheral Disorders	62,945
Other Respiratory and Nose Diseases	58,293
Peptic Ulcer Syndrome	52,331

Note: ¹ Morbidity refers to the condition of suffering from a disease or medical condition.

Source: Annual Health Bulletin 2022, MoH.

Table 2.5: Top Ten Inpatient¹ Hospital Mortality, 2017 - 2021

	(Number)
Diseases	2021
Alcohol Liver Diseases	141
Other Circulatory Diseases	89
Other Cancers	71
Cerebro-Vascular Diseases	68
Other Respiratory & Nose Diseases	54
Other Kidney, UT/Genital Disorders	45
Other Diseases of the Digestive System	44
Pneumonia	35
Stomach/Gastric cancer	35
Other Sepsis, including Septicaemia	32
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 DiseasesB	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
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

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

Source: Annual Health Bulletin 2020, MoH

Table 2.6: Total Morbidity¹ in all Health Facilities by Sex and Age Group, 2021

Name of Diseases	(Number)											
	Under 1 Year		1 - 4 Years		5 - 14 Years		15 - 49 Years		50-59 Years		60+ Years	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Infectious Diseases												
Diarrhoea	972	867	3,103	2,521	3,645	3,211	4,517	4,647	728	736	1,152	1,259
Dysentery	68	62	170	143	229	194	616	608	135	127	179	160
Tuberculosis ²	0	1	10	3	4	10	218	297	42	36	81	42
Other Sepsis (includes Septicaemia)	91	100	12	24	10	8	47	61	16	18	38	37
Congenital Syphilis	2	8	0	0	0	0	0	0	0	0	0	0
Genital Ulcer	0	1	0	1	53	37	67	43	11	5	3	4
Syphilis	3	0	1	0	0	0	68	238	25	80	19	30
Urethral/Vaginal Discharges	3	0	3	3	9	63	917	2,643	90	441	33	210
Other Sexually Transmitted Disease (excludes HIV/AIDS)	1	2	0	0	2	5	246	391	31	66	19	22
Rickettsial Disease ²	4	3	10	21	21	23	106	107	26	27	20	32
Viral, Protozoal & Helminthic Diseases												
Chicken Pox	18	18	117	144	723	733	265	209	5	8	7	6
Acute Hepatitis A	0	2	2	4	2	5	13	11	0	1	0	4
Acute Hepatitis B	0	0	0	0	0	0	42	22	8	7	5	4
Other Acute Hepatitis (includes Hepatitis C&E)	2	4	1	4	7	1	28	27	8	5	7	5
Plasmodium Falciparum Malaria	0	0	0	0	0	0	3	1	0	0	0	0
Plasmodium Vivax Malaria	0	0	0	0	0	0	15	2	0	0	1	0
Other Malaria	0	0	0	0	0	0	0	1	0	0	0	0
Visceral Leishmaniasis (Kala-azar)	0	0	0	0	0	0	2	1	0	0	0	0
Intestinal Worms	329	2	64	78	281	242	469	551	102	78	82	75
Scabies	50	44	325	222	2,026	1,583	2,046	1,882	197	202	261	215
Streptococcus GroupA ²	11	1	7	12	31	24	42	48	8	5	9	8
Other Infections (excludes ear, brain, STI)	242	234	508	484	764	803	1,985	2,429	295	337	380	371
Neoplasms [Only to be recorded at the JDWNRH/Regional Referral Hospitals]												
Oesophagus Cancer	0	0	0	0	1	0	4	4	6	8	24	3
Stomach/ Gastric Cancer	0	0	0	0	0	0	12	13	38	40	113	69
Colon Cancer	0	0	0	0	0	0	6	12	5	6	21	34
Rectal Cancer	0	0	0	0	0	0	17	9	4	4	30	20
Hepato-Biliary Cancer	0	0	0	0	0	0	1	0	1	0	7	6

Table 2.6: Total Morbidity¹ in all Health Facilities by Sex and Age Group, 2021

Name of Diseases	(Number)														Total
	Under 1 Year		1 - 4 Years		5 - 14 Years		15 - 49 Years		50-59 Years		60+ Years				
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female			
Pancreatic Cancer	0	0	0	0	0	0	1	2	3	4	7	4	21		
Breast Cancer	0	0	0	0	0	0	0	42	0	22	0	20	84		
Cervical Cancer	0	0	0	0	0	0	0	48	0	28	0	33	109		
Other Cancers	0	1	17	8	18	20	80	142	39	49	172	144	690		
Diseases of the Blood & Blood-forming Organs															
Neoplasm (benign + CIS)	2	3	8	11	14	18	107	353	27	28	37	40	648		
Nutritional Anaemia	22	16	84	70	275	479	1,322	4,422	351	617	566	787	9,011		
Blood & Immune Disorders	3	6	20	10	25	56	192	396	56	65	90	80	999		
Endocrine, Nutritional & Metabolic Diseases															
Diabetes ²	1	0	2	3	3	3	1,340	1,682	1,427	1,487	1,559	1,631	9,138		
Malnutrition (excludes child clinic attendance)	2	2	4	5	4	8	14	22	5	5	7	9	87		
Other Nutritional & Metabolic Disorders ²	77	54	87	108	461	663	1,026	1,522	167	236	266	328	4,995		
Mental & Behavioural Disorders															
Dementia	0	0	0	0	0	0	8	5	0	1	7	13	34		
Mental and Behavioral Disorders due to Alcohol	0	0	0	0	2	1	1,154	388	174	70	79	38	1,906		
Mental and Behavioral Disorders due to Multiple Drug use & other use of Psychoactive substances	0	0	0	0	3	6	425	109	21	12	3	0	579		
Psychosis	0	0	0	0	5	15	445	294	50	71	35	56	971		
Depression	0	0	0	1	16	36	694	1,116	150	200	83	114	2,410		
Anxiety	1	1	1	1	47	114	1,142	1,953	223	312	123	213	4,131		
Other Mental Disorders	2	1	28	16	72	56	575	584	93	103	78	108	1,716		
Diseases of the Nervous System															
Meningitis/Encephalitis	16	17	8	11	13	10	37	52	6	7	14	16	207		
Epilepsy ²	11	10	29	40	68	65	849	941	104	94	76	75	2,362		
Other Nervous Disorders (includes Peripheral disorders)	151	142	522	512	3,286	4,501	13,541	28,759	3,103	4,458	4,089	5,165	68,229		
Diseases of the Eye & Ear															
Conjunctivitis	501	145	346	289	1,244	1,087	2,837	3,191	596	682	872	1,007	12,797		
Cataract ²	3	1	7	8	25	34	320	375	144	114	338	331	1,700		
Disorders of Refraction & Accommodation (Refractive Error in the Eye)	2	10	9	17	274	509	1,647	2,618	492	613	620	521	7,332		

Table 2.6: Total Morbidity¹ in all Health Facilities by Sex and Age Group, 2021

Name of Diseases	(Number)											Total	
	Under 1 Year		1 - 4 Years		5 - 14 Years		15 - 49 Years		50-59 Years		60+ Years		
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male		Female
Injury, Poisoning & certain other consequences of External Causes													
Mushroom Poisoning (Toxic effect of other unspecified substances)	0	1	5	2	12	11	42	43	5	6	13	4	
Transport Accidents	5	2	24	13	64	51	748	251	58	30	55	20	
Accidental Falls	22	20	295	207	1,131	579	1,732	1,081	300	254	431	374	
Other Bites and Sting (excludes dog bite)	14	432	199	188	474	418	879	957	190	194	201	169	
Dog Bites	15	10	304	237	1,130	828	1,797	1,464	310	218	335	225	
Accidental Drowning & Submersion	0	1	4	1	9	9	20	13	3	2	1	5	
Exposure to Electric Current	0	2	4	2	3	3	40	11	4	2	7	2	
Contact with Heat & Hot substances and exposure to Smoke, Fire & Flames	361	359	204	184	197	166	386	422	79	49	66	70	
Snake Bite	1	1	1	1	13	7	52	48	25	16	27	11	
Contact with Venomous Animals and Plants (excludes snake bite)	1	2	6	4	11	9	28	28	4	1	8	3	
Accidental Poisoning by and Exposure to Noxious substances	1	2	14	9	15	19	21	23	6	2	2	4	
Intentional Self-harm by Poisoning	0	1	0	0	1	4	24	49	1	0	4	0	
Intentional Self-harm by Drowning & Submersion	0	0	0	0	0	0	2	2	0	0	0	0	
Assault by Poisoning (includes homicidal poisoning)	0	0	2	0	0	0	3	3	0	0	0	0	
Assault by Drowning and Submersion	0	0	0	0	0	0	1	4	0	2	1	0	
Other Intentional Self-harm	0	0	0	0	8	9	62	47	11	7	9	4	
Work Related Injuries	11	4	161	115	1,637	899	9,384	4,114	1,569	772	1,507	667	
Others (injuries other than above & unknown cause of injury)	368	57	590	377	2,782	1,466	6,574	3,691	862	648	2,276	562	
Other Conditions													
Complications of Health Care	18	20	34	43	71	53	326	485	51	56	56	56	
ANC, Immunization & Other Counselling	3,923	3,965	5,277	4,989	2,791	3,127	7,517	28,451	1,589	2,071	2,742	2,883	
Total	19,834	18,911	42,133	39,834	106,010	106,562	248,814	357,416	53,261	60,747	71,238	73,253	
												1,198,013	

Note:¹ Morbidity refers to the condition of suffering from a disease or a medical condition.

² For these diseases, the data are available only from hospitals.

Source: Annual Health Bulletin 2022, MoH.

Table 2.7: Inpatient¹ Cases in all Hospitals by Sex and Age Group, 2021

Indicators	(Number)												
	Under 1 Year		1 - 4 Years		5 - 14 Years		15 - 49 Years		50 - 59 Years		60+ Years		Total
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
Hepato-Biliary Cancer	0	0	0	0	0	0	0	0	1	0	7	6	14
Pancreatic Cancer	0	0	0	0	0	0	1	2	3	4	7	4	21
Breast Cancer	0	0	0	0	0	0	0	42	0	22	0	20	84
Cervical Cancer	0	0	0	0	0	0	0	46	0	26	0	31	103
Other Cancers	0	1	15	8	13	14	65	106	37	42	167	131	599
Diseases of the Blood & Blood-forming Organs													
Neoplasm (benign + CIS)	0	0	6	1	1	6	27	106	9	12	14	16	198
Nutritional Anaemia	15	7	15	8	18	25	38	176	17	12	51	57	439
Blood & Immune Disorders	2	6	18	7	15	19	55	105	15	18	43	41	344
Endocrine, Nutritional & Metabolic Diseases													
Diabetes ²	0	0	1	3	2	0	130	131	127	68	167	155	784
Malnutrition (excludes child clinic attendance)	2	2	3	4	1	2	0	1	0	1	1	2	19
Other Nutritional & Metabolic Disorders ²	61	37	11	6	8	15	79	104	8	23	28	42	422
Mental & Behavioural Disorders													
Dementia	0	0	0	0	0	0	2	1	0	0	4	4	11
Mental and Behavioral Disorders due to Alcohol	0	0	0	0	1	0	591	145	90	31	35	20	913
Mental and Behavioral Disorders due to Multiple Drug use & other use of Psychoactive substances	0	0	0	0	0	0	106	12	4	1	1	0	124
Psychosis	0	0	0	0	1	0	41	22	2	3	2	1	72
Depression	0	0	0	0	4	3	54	117	3	12	9	5	207
Anxiety	0	0	0	0	5	6	48	73	6	11	4	8	161
Other Mental Disorders	2	0	1	2	2	14	78	80	11	13	9	12	224
Diseases of the Nervous System													
Meningitis/Encephalitis	16	16	8	10	7	6	26	17	3	3	10	8	130
Epilepsy ²	10	7	24	27	13	10	69	49	8	4	11	15	247
Other Nervous Disorders (includes Peripheral disorders)	12	18	38	21	49	31	328	417	62	50	97	78	1,201
Diseases of the Eye & Ear													
Conjunctivitis	2	3	2	7	14	6	52	33	13	5	29	17	183
Cataract ²	0	0	1	0	2	4	13	8	12	16	104	90	250

Table 2.7: Inpatient¹ Cases in all Hospitals by Sex and Age Group, 2021

[illegible]

Table 2.7: Inpatient¹ Cases in all Hospitals by Sex and Age Group, 2021

Indicators	(Number)											
	Under 1 Year		1 - 4 Years		5 - 14 Years		15 - 49 Years		50 - 59 Years		60+ Years	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Injury, Poisoning & certain other consequences of External Causes												
Mushroom Poisoning (Toxic effect of other unspecified substances)	0	1	2	0	5	5	17	18	3	4	5	1
Transport Accidents	1	0	10	9	25	19	315	108	23	14	28	10
Accidental Falls	8	6	76	67	229	82	402	250	78	67	135	115
Other Bites and Sting (excludes dog bite)	1	0	5	5	19	13	59	62	12	11	11	7
Dog Bites	2	0	21	27	133	106	239	174	42	20	29	20
Accidental Drowning & Submersion	0	0	2	1	0	0	0	0	0	0	0	0
Exposure to Electric Current	0	1	0	0	0	1	15	1	0	0	0	0
Contact with Heat & Hot substances and exposure to Smoke, Fire & Flames	3	6	24	29	14	17	46	43	10	7	11	8
Snake Bite	0	0	0	1	5	4	28	30	13	10	12	6
Contact with Venomous Animals and Plants (excludes snake bite)	0	0	1	0	2	0	6	7	0	0	3	0
Accidental Poisoning by and Exposure to Noxious substances	1	0	6	3	11	2	10	12	3	0	2	3
Intentional Self-harm by Poisoning	0	1	0	0	1	3	15	33	1	0	1	0
Intentional Self-harm by Drowning & Submersion	0	0	0	0	0	0	0	2	0	0	0	0
Assault by Poisoning (includes homicidal poisoning)	0	0	0	0	0	0	1	2	0	0	0	0
Assault by Drowning and Submersion	0	0	0	0	0	0	0	3	0	0	1	0
Other Intentional Self-harm	0	0	0	0	2	3	12	17	2	1	4	0
Work Related Injuries	3	0	7	7	68	33	661	199	86	36	80	46
Others (injuries other than above & unknown cause of injury)	4	8	65	42	209	114	1,043	465	125	75	140	82
Other Conditions												
Complications of Health Care	6	11	2	5	9	12	21	55	9	3	15	7
ANC, Immunization & Other Counselling	27	29	12	12	3	5	107	579	15	20	43	42
Total	3,895	3,200	3,774	2,985	5,016	3,996	16,150	27,856	3,229	3,498	5,571	5,421
												84,591

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

² These data are not collected from Primary Health Center

Source: Annual Health Bulletin 2022, MoH.

Table 2.8: Outpatient¹ Cases in all Health Facilities by Sex and Age, 2021

Name of Diseases	(Number)												
	Under 1 Year		1 - 4 Years		5 - 14 Years		15 - 49 Years		50-59 Years		60+ Years		Total
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
Infectious Diseases													
Diarrhoea	517	471	1,616	1,274	1,566	1,463	2,027	2,045	284	282	356	350	12,251
Dysentry	39	38	87	66	127	116	316	287	46	51	55	57	1,285
Tuberculosis ²	0	1	8	3	3	3	49	72	16	13	13	4	185
Other Sepsis (including Septicaemia)	0	0	0	0	0	0	5	3	1	2	1	2	14
Congenital Syphilis	0	0	0	0	0	0	0	0	0	0	0	0	0
Genital Ulcer	0	0	0	0	1	0	42	23	3	3	1	3	76
Syphilis	0	0	1	0	0	0	47	204	18	69	14	27	380
Urethral/Vaginal discharges	3	0	3	2	54	63	712	2,272	71	410	27	199	3,816
Other Sexually Transmitted Disease, excluding HIV/AIDS	0	0	0	0	7	5	139	275	20	42	11	11	510
Rickettsial Disease ²	2	0	1	3	6	6	32	31	7	7	5	7	107
Viral, Protozoal & Helminthic diseases													
Chicken Pox	1	1	4	1	6	4	6	8	1	0	0	0	32
Acute Hepatitis A	0	2	2	1	1	4	13	9	0	0	0	1	33
Acute Hepatitis B	0	0	0	0	0	0	26	12	7	5	5	4	59
Other Acute Hepatitis (includes Hepatitis C&E)	1	4	1	4	2	1	22	21	7	4	6	5	78
Plasmodium falciparum Malaria	0	0	0	0	0	0	3	1	0	0	0	0	4
Plasmodium Vivax Malaria	0	0	0	0	0	0	12	2	0	0	1	0	15
Other Malaria	0	0	0	0	0	0	0	1	0	0	0	0	1
Visceral Leishmaniasis (Kala-azar)	0	0	0	0	0	0	0	2	1	0	0	0	3
Intestinal Worms	0	0	0	0	3	4	14	18	0	3	4	6	52
Scabies	7	1	3	2	11	6	16	9	0	0	1	1	57
Streptococcus Group A ²	0	0	0	0	0	0	0	0	0	0	0	0	0
Other infections (exclude ear, brain, STI)	40	27	56	43	41	36	146	192	24	33	45	69	752
Neoplasm													
Oesophagus Cancer	0	0	0	0	1	0	4	2	6	8	24	3	48
Stomach/ Gastric Cancer	0	0	0	0	0	0	12	13	32	37	106	69	269
Colon Cancer	0	0	0	0	0	0	6	12	4	6	21	34	83
Rectal Cancer	0	0	0	0	0	0	17	8	4	4	30	20	83
Hepato-Biliary Cancer	0	0	0	0	0	0	0	0	1	0	7	6	14

Table 2.8: Outpatient¹ Cases in all Health Facilities by Sex and Age, 2021

Name of Diseases	(Number)														Total
	Under 1 Year		1 - 4 Years		5 - 14 Years		15 - 49 Years		50-59 Years		60+ Years				
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female			
Pancreatic Cancer	0	0	0	0	0	0	1	2	3	4	7	4	21		
Breast Cancer	0	0	0	0	0	0	0	42	0	22	0	20	84		
Cervical cancer	0	0	0	0	0	0	0	46	0	26	0	31	103		
Other Cancers	0	1	15	8	10	14	65	106	37	42	167	131	596		
Blood diseases	0	0	0	0	0	0	0	0	0	0	0	0	0		
Neoplasm (benign + CIS)	0	0	6	1	3	6	27	106	9	12	14	16	200		
Nutritional Anaemia	15	7	15	8	29	25	38	176	17	12	51	57	450		
Blood & Immune Disorders	2	6	18	7	15	19	55	105	15	18	43	41	344		
Endocrine, Metabolic & Nutritional															
Diabetes ²	0	0	1	3	1	0	130	131	127	68	167	155	783		
Malnutrition (exclude child clinic attendance)	2	2	3	4	1	2	0	1	0	1	1	2	19		
Other Nutritional & Metabolic Disorders	61	37	11	6	10	15	79	104	8	23	28	42	424		
Mental disorders															
Dementia	0	0	0	0	0	0	2	1	0	0	4	4	11		
Mental and behavioral disorders due to alcohol	0	0	0	0	0	0	591	145	90	31	35	20	912		
Mental and behavioral disorders due to multiple drug use & other use of psychoactive substances	0	0	0	0	0	0	106	12	4	1	1	0	124		
Psychosis	0	0	0	0	0	0	41	22	2	3	2	1	71		
Depression	0	0	0	0	3	3	54	117	3	12	9	5	206		
Anxiety	0	0	0	0	6	6	48	73	6	11	4	8	162		
Other Mental Disorders	2	0	1	2	13	14	78	80	11	13	9	12	235		
Diseases of Nervous system															
Meningitis/Encephalitis	16	16	8	10	8	6	26	17	3	3	10	8	131		
Epilepsy	10	7	24	27	14	10	69	49	8	4	11	15	248		
Other Nervous including Peripheral Disorders	12	18	38	21	44	31	328	417	62	50	97	78	1,196		
Eye & Ear Diseases															
Conjunctivitis	2	3	2	7	6	6	52	33	13	5	29	17	175		
Cataract ²	0	0	1	0	3	4	13	8	12	16	104	90	251		

Table 2.8: Outpatient¹ Cases in all Health Facilities by Sex and Age, 2021

Name of Diseases	(Number)												Total
	Under 1 Year		1 - 4 Years		5 - 14 Years		15 - 49 Years		50-59 Years		60+ Years		
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
Disorders of Refraction & Accommodation (Refractive Error in the Eye)	1	1	0	1	3	2	10	7	1	6	5	9	46
Other Eye Disorders	3	10	22	27	56	59	246	261	56	61	98	91	990
Otitis Media	6	3	9	4	20	19	45	55	3	6	3	2	175
Other Ear Disorders	7	2	13	9	50	40	95	101	14	20	14	10	375
Diseases of Circulatory system													
Rheumatic Heart Disease ²	0	0	1	3	2	2	15	36	8	13	17	19	116
Hypertension	0	0	0	0	7	8	301	298	169	151	439	442	1,815
Ischaemic Heart Diseases ²	0	0	0	0	0	1	21	8	11	5	46	30	122
Cerebro-vascular Diseases ²	1	0	1	1	1	2	62	49	54	16	149	123	459
Bubo	0	0	0	0	0	0	2	0	1	1	5	4	13
Other Circulatory Diseases	13	10	12	4	11	15	194	202	78	71	283	296	1,189
Respiratory Diseases													
Common Cold	175	160	340	284	304	265	485	451	51	49	42	50	2,656
Acute Pharyngitis/ Tonsillitis	30	14	74	53	160	143	269	275	21	24	16	27	1,106
Pneumonia	197	126	175	133	37	39	84	80	25	30	125	135	1,186
Asthma	6	6	11	10	23	24	40	101	32	45	99	132	529
Other Respiratory & Nose Diseases	302	200	316	240	157	138	409	422	129	113	455	517	3,398
Diseases of Digestive system													
Diseases of Teeth & Gums	4	4	17	20	45	40	88	112	16	16	16	16	394
Dental Caries	0	0	9	23	94	83	190	241	33	33	36	36	778
Peptic Ulcer Syndrome	5	2	20	5	52	46	439	502	59	81	96	121	1,428
Acute Appendicitis ²	1	0	12	6	50	46	277	193	38	24	25	27	699
Alcoholic Liver Disease	0	0	0	0	0	0	377	243	149	122	127	99	1,117
Gall Bladder Diseases ²	4	1	0	0	2	1	197	483	58	122	86	156	1,110
Other Diseases of the Digestive System	135	100	207	152	284	266	1,164	1,220	237	182	395	346	4,688
Diseases of Skin & Subcutaneous tissues													
Skin Infections	30	21	57	45	94	94	323	305	73	43	80	71	1,236

Table 2.8: Outpatient¹ Cases in all Health Facilities by Sex and Age, 2021

Name of Diseases	(Number)												Total
	Under 1 Year		1 - 4 Years		5 - 14 Years		15 - 49 Years		50-59 Years		60+ Years		
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
Other Disorders of Skin and Subcutaneous tissue	57	62	106	101	185	156	536	579	108	87	165	121	2,263
Diseases of Musculo-skeletal system & Congenital Deformities													
Arthritis & Arthrosis	5	0	1	7	10	8	118	87	40	28	57	41	402
Other Musculo-Skeletal Disorders	10	8	42	32	146	94	980	977	176	202	207	202	3,076
Genito-urinary diseases													
Cystitis ²	1	1	3	7	241	6	21	112	7	10	9	8	426
Infections of the Breast, Including Puerperium	0	0	0	0	0	2	0	55	0	0	0	1	58
Other diseases of the Breast	0	0	0	0	1	1	4	94	4	4	0	1	109
Pelvic Inflammatory Disease ²	0	0	0	0	1	1	0	98	0	9	0	6	115
Menstrual Disturbances	0	0	0	0	1	1	0	216	0	32	0	8	258
Other Kidney, UT/Genital Disorders	38	33	105	57	123	71	670	1,658	173	268	430	288	3,914
Pregnancy, Childbirth and Puerperium													
Abortions	0	0	0	0	3	3	0	864	0	0	0	0	870
Pregnancy Induced Hypertension	0	0	0	0	0	0	0	419	0	0	0	0	419
Ante-Partum Haemorrhage & Placenta Previa	0	0	0	0	1	1	0	222	0	0	0	0	224
Malpresentation	0	0	0	0	0	0	0	179	0	0	0	0	179
Prolonged Labour	0	0	0	0	0	0	0	208	0	0	0	0	208
Obstructed Labour	0	0	0	0	0	0	0	53	0	0	0	0	53
Post-Partum Heamorrhage	0	0	0	0	0	0	0	122	0	0	0	0	122
Retained Placenta	0	0	0	0	0	0	0	68	0	0	0	0	68
Puerperal Sepsis	0	0	0	0	0	0	0	99	0	0	0	0	99
Other Complications of Pregnancy	0	0	0	0	7	7	0	6,689	0	0	0	0	6,703
Certain conditions originating in the perinatal period													
Low Birth Weight	159	180	0	0	0	0	0	0	0	0	0	0	339
Foetal Death & Stillbirth	9	18	0	0	0	0	0	0	0	0	0	0	27
Neonatal Death	48	41	0	0	0	0	0	0	0	0	0	0	89

Table 2.8: Outpatient¹ Cases in all Health Facilities by Sex and Age, 2021

Name of Diseases	Under 1 Year		1 - 4 Years		5 - 14 Years		15 - 49 Years		50-59 Years		60+ Years		Total (Number)
	Male		Female		Male		Female		Male		Female		
Conditions Originating in the Perinatal period	1,738	1,414	0	0	0	0	0	0	0	0	0	0	3,152
Congenital malformations, Deformities and Chromosomal abnormalities													
Oro-facial Clefts	17	7	0	0	0	0	0	0	0	0	0	0	24
Gastrointestinal Tract defects ²	2	3	0	0	0	0	0	0	0	0	0	0	5
Talipes Equinovarus	2	0	0	0	0	0	0	0	0	0	0	0	2
Omphalocele	2	0	0	0	0	0	0	0	0	0	0	0	2
Other Malformations	99	68	63	50	21	21	22	37	0	0	0	4	385
Injury, poisoning and certain other consequences of External Causes													
Mushroom Poisoning (Toxic effect of other unspecified substances)	0	1	2	0	9	5	17	18	3	4	5	1	65
Transport Accidents	1	0	10	9	24	19	315	108	23	14	28	10	561
Accidental Falls	8	6	76	67	148	82	402	250	78	67	135	115	1,434
Other Bites and Sting (excluding dog bite)	1	0	5	5	10	13	59	62	12	11	11	7	196
Dog Bites	2	0	21	27	120	106	239	174	42	20	29	20	800
Drowning & Submersion	0	0	2	1	0	0	0	0	0	0	0	0	3
Exposure to Electric Current	0	1	0	0	0	1	15	1	0	0	0	0	18
Contact with Heat & Hot substances & exposure to smoke, fire, flames	3	6	24	29	15	17	46	43	10	7	11	8	219
Snake Bite	0	0	0	1	4	4	28	30	13	10	12	6	108
Contact with Venomous animals (excluding Snake bite)	0	0	1	0	1	0	6	7	0	0	3	0	18
Accidental Poisoning by and Exposure to Noxious substances	1	0	6	3	1	2	10	12	3	0	2	3	43
Intentional Self-harm by Poisoning	0	1	0	0	3	3	15	33	1	0	1	0	57
Intentional Self-harm by Drowning & Submersion	0	0	0	0	0	0	0	2	0	0	0	0	2
Assault by Poisoning (includes homicidal poisoning)	0	0	0	0	0	0	1	2	0	0	0	0	3
Assault by Drowning and Submersion	0	0	0	0	0	0	0	3	0	0	1	0	4

Table 2.8: Outpatient¹ Cases in all Health Facilities by Sex and Age, 2021

(Number)

Name of Diseases	Under 1 Year		1 - 4 Years		5 - 14 Years		15 - 49 Years		50-59 Years		60+ Years		Total
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
Other Intentional Self-harm	0	0	0	0	3	3	12	17	2	1	4	0	42
Work Related Injuries	3	0	7	7	42	33	661	199	86	36	80	46	1,200
Others (injuries other than above & unknown cause of injury)	4	8	65	42	125	114	1,043	465	125	75	140	82	2,288
Other conditions													
Complications of Health Care	6	11	2	5	12	12	21	55	9	3	15	7	158
ANC, Immunization & Other Counselling	27	29	12	12	7	5	107	579	15	20	43	42	898
Total	3,895	3,200	3,774	2,985	4,711	3,996	16,150	27,856	3,229	3,498	5,571	5,421	84,286

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

² These data are not collect from Primary Health Center.

Source: Annual Health Bulletin 2022, MoH.

Table 2.9: Number of Patient Admissions & Average Length of Stay in Hospitals by Dzongkhag, 2021

Dzongkhag	Total Admission	Discharged	Deaths	Absconded	Patient days	Average length of stay
Bumthang	793	601	15	1	2,253	62
Chhukha	3,888	3,370	41	10	14,077	181
Dagana	1,337	1,104	13	1	4,342	519
Gasa	32	31	0	0	57	17
Haa	300	236	6	0	1,585	20
Lhuentse	587	433	11	1	2,037	132
Monggar	4,190	4,140	92	0	20,612	877
Paro	2,063	1,644	36	7	6,160	91
Pema Gatsel	1,002	765	17	0	3,790	360
Punakha	1,265	872	15	2	4,954	275
Samdrup Jongkhar	1,833	1,382	150	1	6,514	560
Samtse	3,285	2,544	182	2	13,126	504
Sarpang	3,662	3,274	78	11	16,945	166
Thimphu	13,924	13,485	388	7	100,187	33
Trashigang	3,027	2,401	66	67	7,367	280
Trashigang Yangtse	906	802	14	0	2,572	283
Trongsa	512	373	7	61	1,425	78
Tsirang	1,300	1,084	22	5	5,363	68
Wangdue Phodrang	3,205	2,811	30	7	10,881	391
Zhemgang	552	466	5	0	1,663	322
Total	47,663	41,818	1,188	183	225,909	5,219

Source: Annual Health Bulletin 2020, MoH.

Table 2.10: Number of Immunization by Type and Dzongkhag, 2021

Dzongkhag	¹ BCG	² MR 1	² OPV 1 st	² OPV 3 rd	² Penta/DTP-Hep B-Hib 3 rd
Bumthang	185	360	275	285	285
Chhukha	939	952	1,151	1,154	1,154
Dagana	221	346	302	347	346
Gasa	13	56	41	55	55
Haa	72	139	129	149	149
Lhuentse	81	184	152	171	171
Monggar	937	511	532	510	516
Paro	703	793	841	841	843
Pema Gatshel	186	282	270	294	295
Punakha	303	358	420	357	357
Samdrup Jongkhar	345	442	458	468	468
Samtse	743	822	830	869	861
Sarpang	934	751	852	901	900
Thimphu	4,008	2,664	3,066	2,887	2,882
Trashigang	509	526	510	532	534
Trashi Yangtse	187	267	204	225	225
Trongsa	122	244	238	271	272
Tsirang	227	328	333	351	336
Wangdue Phodrang	783	687	725	700	711
Zhemgang	105	210	188	239	238
Total	11,603	10,922	11,517	11,606	11,598

Note: ¹ Vaccine administered to children at birth

² Vaccine administered to children below 1 year

Source: Annual Health Bulletin 2022, MoH.

Table 2.11: Number of Malaria Cases by Type and Deaths, 2017 - 2021

Details	2017	2018	2019	2020	2021
Plasmodium vivax	11	36	31	46	18
Plasmodium falciparum	0	17	11	8	4
Mixed infections	0	1	0	0	1
Deaths due to malaria	1	1	0	0	0

Source: Annual Health Bulletin 2022, MoH.

Table 2.12: Details of Maternal & Child Health Care Activities, 2017 - 2021

(Number)

Type of care	2017	2018	2019	2020	2021
Antenatal care attendance	26,159	23,809	25,179	25,393	25,393
1 st visit	11,816	5,872	10,923	12,383	10,820
4 th visit	9,145	10,201	8,743	8,709	6,804
8 th visit	5,198	7,736	5,513	4,301	3,858
Deliveries attended by trained health personnel	11,134	11,658	10,156	11,139	11,470
Home	154	225	112	116	82
Facility	10,980	11,433	10,044	11,023	11,388
Post-Natal care attendance	11,554	13,697	29,889	30,851	24,309
1 st visit	4,076	4,814	4,253	5,764	5,973
4 th visit	7,478	8,883	8,007	7,990	8,926

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

Source: Annual Health Bulletin 2022, MoH.

Table 2.13: Number of Users of Family Planning Methods by Type, 2017-2021

Method	2017	2018	2019	2020	2021
Intra Uterine Device (IUD) ¹	1,777	2,362	2,425	1,506	1,733
Oral Pills (OCP) ²	69,572	62,299	58,868	60,608	67,554
Injection DMPA ³	84,626	84,832	80,091	79,309	78,499
Vasectomy	5,653	5,763	4,918	4,376	2,913
Tubectomy	5,377	5,500	5,194	4,586	2,451
Condoms ⁴	873,398	983,901	1,008,685	1,012,811	957,115

Note: ¹ IUD = Number inserted

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

³ DMPA = No. of injections (1 user is equal to 12 or 13 cycles)

⁴ Condoms = No. of pieces distributed

Source: Annual Health Bulletin 2022, MoH.

Table 2.14: Number of Users of Family Planning Methods by Type and Dzongkhag, 2021

Dzongkhag	Family planning methods					
	IUD Inserted	Oral pills ²	DMPA ³	Vasectomy ¹	Tubectomy ¹	Condom issued ⁴
Bumthang	19	1,577	1,954	15	31	47,537
Chhukha	195	6,495	5,893	1	31	62,750
Dagana	18	3,863	3,258	74	43	28,758
Gasa	4	684	586	0	9	6,275
Haa	0	1,506	1,504	4	8	17,092
Lhuentse	6	1,189	1,417	117	111	24,445
Monggar	85	2,873	5,999	114	294	90,718
Paro	16	2,553	4,670	42	110	32,602
Pema Gatshel	5	2,315	2,304	0	0	31,607
Punakha	72	2,143	2,953	19	46	31,029
Samdrup Jongkhar	10	3,837	4,096	13	20	36,184
Samtse	44	10,541	8,577	1,215	519	66,193
Sarpang	1,134	6,920	6,462	223	422	70,717
Thimphu	580	5,498	9,417	11	28	185,954
Trashigang	74	4,758	5,231	318	366	53,444
Trashi Yangtse	57	1,289	2,292	0	0	26,091
Trongsa	38	1,521	1,699	45	39	36,956
Tsirang	10	2,969	3,431	204	146	34,187
Wangdue Phodrang	16	3,415	3,999	593	401	57,250
Zhemgang	45	1,620	2,798	24	32	23,294
Total	2,428	67,566	78,540	3,032	2,656	963,083

Note:¹ Cumulative figures, collected from Annual Household Survey

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

³ DMPA = No. of injections (1 user is equal to 12 or 13 cycles)

⁴ Condoms = No. of pieces distributed

Source: Annual Health Bulletin 2022, 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
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 Gatshel	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
Trashy 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, 2021

Dzongkhag	Child Attendances								Vit A Supplementation/Deworming					(Number)
	Children 0-6 months old		Children exclusively breastfed for 6 months	Children 0-11 months old		Children 12-59 months old		Children normal (lt/ht for age)	Children normal (wt for age)	Children 6-11 months given Vitamin A	Children 12-59 months given Vitamin A	Post-partum mothers Vitamin A	Children 12-59 months given Deworming	
	New	Old		New	Old	New	Old							
Bumthang	223	5,569	999	172	2,277	51	3,292	99	99	273	1,598	150	1,408	
Chhukha	2,981	15,860	2,041	1,696	6,673	1,285	9,187	99	99	1,102	4,845	896	4,646	
Dagana	492	6,396	441	228	2,560	264	3,836	98	98	383	1,639	205	1,592	
Gasa	31	961	112	15	404	16	557	98	99	62	308	11	270	
Haa	247	2,314	476	80	926	167	1,388	100	100	142	499	35	467	
Lhuentse	78	4,283	201	58	1,428	20	2,855	99	99	214	1,066	64	949	
Monggar	437	12,333	833	274	4,702	163	7,631	98	99	561	3,418	294	3,143	
Paro	681	17,505	767	674	7,892	7	9,613	97	98	821	4,676	638	4,070	
Pema Gatsel	161	6,945	397	131	2,520	30	4,425	99	99	303	2,060	260	1,785	
Punakha	1,549	5,891	439	892	2,725	657	3,166	100	99	379	1,691	76	1,409	
Samdrup Jongkhar	276	12,161	914	227	4,387	49	7,774	99	99	417	3,225	282	2,825	
Samtse	789	19,009	2,268	768	7,627	21	11,382	99	97	881	8,294	640	4,780	
Sarpang	1,234	16,932	650	1,014	7,450	220	9,482	99	99	871	4,534	892	4,145	
Thimphu	468	53,228	3,530	468	25,688		27,540	98	98	3,010	13,395	3,803	11,613	
Trashigang	863	11,402	1,127	122	2,456	53	3,683	98	98	323	1,786	125	1,485	
Trashigangtse	175	6,139	715	554	4,248	309	7,154	98	99	556	3,204	332	2,843	
Trongsa	77	4,839	391	55	2,137	22	2,702	99	100	253	1,390	72	1,253	
Tsirang	170	9,744	432	168	5,446	2	4,298	99	98	341	1,786	213	1,594	
Wangdue Phodrang	259	10,375	1,642	238	4,188	21	6,187	99	99	1,054	3,220	678	2,864	
Zhemgang	167	4,462	303	119	1,704	48	2,758	97	98	269	1,271	83	1,131	
Total	11,358	226,348	18,678	7,953	97,438	3,405	128,910	99	99	12,215	63,905	9,749	54,272	

Source: Annual Health Bulletin 2022, MoH.

Table 2.17: Number of Tuberculosis Cases by Type, Sex and Age Group, 2021

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	0	0	2	5	73	101	49	52	20	22	29	20	16	6	28	14	439
	Relapse	0	0	0	0	2	4	2	6	3	1	2	2	3	1	4	1	30
	Previously treated(excluding relapse)	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0	0	3
	Previous 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	0	0	7	9	7	3	4	1	2	3	1	0	4	4	46
	Relapse	0	0	1	0	0	1	1	0	0	0	0	0	1	3	1	0	8
	Previously treated(excluding relapse)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Previous treated history unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
ExtraPulmonary Bacteriologically Confirmed and Clinically Diagnosed	New	1	0	4	3	38	66	33	58	14	24	17	10	7	10	10	13	307
	Relapse	0	0	0	0	3	3	3	9	2	3	0	1	0	1	0	2	27
	Previously treated(excluding relapse)	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
	Previous treated history unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total		1	0	7	8	123	186	97	129	43	51	48	36	28	20	47	34	858

Source: Annual Health Bulletin 2022, MoH.

Table 2.18: Number of Persons Availing Traditional Medicine Service by Disease Type, Sex and Age Group, 2021

Name of Diseases	60+ Years						Total
	Male	Female	Male	Female	Male	Female	
Baedken ned	7	8	453	256	813	525	2,062
Bji ned	2	2	0	0	1	1	6
Chaa baab ned	0	0	10	1	19	15	45
Chham rem	83	70	100	93	243	251	840
Chher ned	0	0	20	27	58	35	140
Chhin ned	1	2	67	72	220	241	603
Chin nyiwai ned	8	7	212	226	613	438	1,504
Chong chen gi ned	1	0	0	2	5	3	11
Chuser gi ned	5	4	352	284	723	422	1,790
Dreg ned	1	1	280	245	599	412	1,538
Drey ned	1	2	31	22	51	81	188
Druumbui ned	10	2	1,401	1,027	3,006	1,542	6,988
Go ned	9	10	666	437	3,772	1,618	6,512
Ja ned tshed thru	1	0	9	8	17	11	46
Jae jed	2	3	13	7	108	73	206
Ju ned	0	0	28	21	87	88	224
Jur pa methroe pai dhug	1	0	2	0	8	5	16
Kha ned	5	3	68	46	306	167	595
Khel ned	5	5	611	610	2,183	1,468	4,882
Long ned	0	0	4	6	37	24	71
Lowai ned	31	40	425	332	749	557	2,134
Mazhuwa	6	6	190	122	293	186	803
Menbu	0	0	1	1	86	17	105
Mig ned	5	2	23	24	101	47	202
Mo ned	5	0	36	0	146	0	187
Mo tshen ned	3	0	31	0	227	0	261
Moogpo	2	0	110	47	221	105	485
Nying ned	7	2	308	198	830	439	1,784
Nyo jed	2	1	17	16	117	67	220
Paag ned	22	24	407	388	1,405	1,122	3,368
Pho ned	47	22	1,857	1,249	5,384	3,006	11,565
Pho tshen ned	0	6	0	41	0	102	149
Remtshed	300	334	454	438	1,362	1,006	3,894
Sin ned	8	5	86	106	409	246	860
Suryia	0	0	6	4	54	27	91
Thra gi Nyingzer	7	4	1,505	1,011	2,574	1,570	6,671
Thru ned	1	2	18	12	38	30	101
Tren ned	2	1	45	31	149	69	297
Tsa wai ned	8	5	63	51	197	154	478
Ug medewa	4	1	202	153	410	193	963
Yama go sin	22	45	738	499	4,679	2,512	8,495
Zhang druum	8	4	224	244	1,088	975	2,543

Table 2.18: Number of Persons Availing Traditional Medicine Service by Disease Type, Sex and Age Group, 2021

Name of Diseases	60+ Years						Total
	Male	Female	Male	Female	Male	Female	
mThri Ned	1	1	156	104	424	262	948
rLung ned	6	4	2,770	1,641	3,229	1,718	9,368
rMa chi	4	4	59	48	119	143	377
rNaawai ned	2	2	28	20	135	71	258
rTsa kar	50	48	3,312	2,441	6,455	4,192	16,498
sNa ned	9	10	29	26	271	149	494
Total	704	692	17,427	12,637	44,021	26,385	101,866

Source: Annual Health Bulletin 2022, MoH.

Table 2.19: Number of Persons availing Therapeutic Services from Traditional Medicine Service by Type, Sex and Age Group, 2021

Type	60+ Years						Total
	Male	Female	Male	Female	Male	Female	
Gold needle	17	14	3,979	6,996	2,957	3,787	17,750
Gold needle with Moxa	0	0	6	10	4	5	25
Silver needle	1	0	69	113	49	57	289
Blood letting	0	0	367	664	118	139	1,288
Cauterization	0	0	58	136	50	100	344
Hot oil compression	7	15	1,875	4,758	2,111	3,971	12,737
Wet cupping	0	0	276	443	122	148	989
Localized steaming	68	63	6,399	10,258	4,362	5,380	26,530
Herbal steam bath	0	0	928	1,342	743	1,059	4,072
Herbal bath	0	1	1,240	2,328	887	1,010	5,466
Nasal cleansing	66	47	1,250	1,784	245	231	3,623
Acupuncture	14	0	11,316	18,865	5,553	7,950	43,698
Moxabusion	0	0	23	41	16	30	110
Ginger moxa	0	0	82	140	29	50	301
Horn suction	0	0	1	1	0	0	2
Herbal ball compression	0	0	96	182	78	116	472
Herbal compression	0	0	968	1,200	374	398	2,940
Purgation	0	1	31	24	5	1	62
Emesis	0	0	0	2	0	0	2
Mild Enema	14	12	505	640	169	333	1,673
Strong enema	0	0	195	287	98	183	763
Urine analysis	0	0	155	277	131	181	744
Affusion	0	0	96	165	31	38	330
Massage	31	19	1,164	1,711	500	773	4,198
Zhey ney and lue jong	0	1	566	747	273	34	1,621
Other compression	0	0	0	4	6	5	15
Total	218	173	31,645	53,118	18,911	25,979	130,044

Source: Annual Health Bulletin, 2022

CHAPTER 3

EDUCATION

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, 2018 - 2022

Indicators	2018	2019	2020	2021	2022
Net Enrolment Rate ECCD	19.20	20.50	23.71	27.81	38.30
Net Enrolment Rate Primary (PP-VI)	92.90	91.20	92.94	93.51	78.92
Net Enrolment Rate Basic (PP-X)	91.30	89.80	90.56	90.57	81.01
Net Enrolment Rate Secondary (VII-X)	67.30	74.10	75.71	75.26	60.10
Gross Enrolment Ratio ECCD	23.40	25.30	24.19	31.81	45.57
Gross Enrolment Ratio Primary	105.60	101.80	108.80	96.50	111.75
Gross Enrolment Ratio Basic (PP-X)	103.00	100.30	103.32	90.10	104.80
Gross Enrolment Ratio Secondary (Class VII-XII)	99.00	93.30	93.09	92.46	90.47
Gross Enrolment Ratio Higher Secondary (XI-XII)	69.90	83.96	89.81	92.44	84.05
Gross Enrolment Ratio Tertiary within Bhutan (19-23 years)	27.50	16.80	17.87	18.90	18.70
Gross Enrolment Ratio Tertiary within Bhutan and outside Bhutan (19-23 years)	41.60	24.90	23.58	25.11	24.10
Adjusted Net Enrolment Rate (5 - 11 years) ¹	96.80	96.50	99.37	99.88	79.09
Net Intake Rate	63.40	56.40	51.85	79.20	44.78
Apparent Intake Rate	102.70	98.70	138.90	100.74	107.14
BCSE Pass Percentage	96.20	96.60	93.63	96.57	70.12
BHSEC Pass Percentage	91.50	86.78	91.55	90.63	82.00
Repetition Rate (Primary)	7.10	7.90	7.80	5.40	10.10
Dropout Rate (Primary)	2.30	1.50	1.40	3.20	2.10
Primary Completion Rate	99.70	87.50	89.95	81.20	96.40
Basic Completion rate(grade X)	94.80	93.50		83.50	80.70
Survival rate to grade VI	84.60	83.20	86.80	80.80	93.80
Survival rate to grade X	74.90	79.90	84.30	72.70	88.10
Transition rate (Primary to Lower secondary)	95.40	93.80	106.14	89.09	84.30
Transition rate (Lower Secondary to Middle Secondary)	90.10	87.10	99.11	88.55	67.90
Transition rate (Middle Secondary to Higher Secondary)	72.20	89.70	89.49	83.74	67.10

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

Source: Education Management Information System, MoE

Table 3.2: Number of Schools, Institutes and Centres, 2022

School/Institutes/Centres	Government	Private	Total
Early Childhood Development			
ECCD Centres ¹	433	58	491
Schools Education			
Extended Classrooms	63	0	63
Primary Schools	302	12	314
Lower Secondary Schools	59	1	60
Middle Secondary Schools	62	1	63
Higher Secondary Schools	71	21	92
Special Institutes	2	0	2
Central Schools ²	64	0	64
Autonomous Schools	69	0	69
Schools with SEN Program	32	0	32
Sub-total	724	35	759
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 (Lobdras and Shedras) ³	79		79
Continuing Education Centres	0	1	1
Non-Formal Education Centres ⁴	430	0	430
Sub-total	509	1	510

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

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

³ The data is only inclusive of lobdras and shedras

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

Source: Education Management Information System, MoE.

Table 3.3: Number of ECCD Centres and Children by Dzongkhags, 2022

Dzongkhag	ECCD Centres	Children Enrolled
Bumthang	16	370
Chhukha	32	760
Phuentsholing Thromde	4	109
Other than Phuentsholing Thromde	28	651
Dagana	19	453
Gasa	4	90
Haa	10	206
Lhuentse	23	383
Monggar	51	863
Paro	17	532
Pema Gatshel	24	236
Punakha	22	387
Samdrup Jongkhar	39	701
Samdrup Jongkhar Thromde	4	181
Other than Samdrup Jongkhar Thromde	35	520
Samtse	30	518
Sarpang	28	749
Gelephu Thromde	5	194
Other than Gelephu Thromde	23	555
Thimphu	39	1,698
Thimphu Thromde	27	1,427
Other than Thimphu Thromde	12	271
Trashigang	48	933
Trashigang Yangtse	20	424
Trongsa	18	414
Tsirang	12	242
Wangdue Phodrang	20	523
Zhemgang	19	390
Total	491	10,872

Source: Education Management Information System, MoE

Table 3.4: Number of Students, Learners, Trainees and Novitiates, 2022

Details	Government				Private				Total	
	Female	Male	Both Sex	Both Sex	Female	Male	Both Sex	Both Sex	Male	Both Sex
Early Childhood Development										
ECCD Centres	4,428	4,598	8,948		886	959	1,839		5,314	10,871
School Education										
Extended Classroom	655	649	1,304		0	0	0		655	1,304
Primary Schools	20,079	19,789	39,868		798	886	1,684		20,877	41,552
Lower Secondary Schools	12,219	11,808	24,027		84	114	198		12,303	24,225
Middle Secondary Schools	20,236	19,520	39,756		280	281	561		20,516	40,317
Higher Secondary Schools	25,193	22,296	47,489		3,854	3,636	7,490		29,047	54,979
Special Institutes	48	68	116		0	0	0		48	116
Central Schools ¹	20,115	17,602	37,717		0	0	0		20,115	37,717
SEN Students ²	378	548	926		0	0	0		378	926
Sub-total	98,923	92,280	191,203		5,016	4,917	9,933		103,939	201,136
Tertiary Education										
Tertiary Students within Bhutan	4,089	4,426	8,515		2,163	2,016	4,179		6,252	12,694
Tertiary Students abroad ³	133	151	284		250	207	457		383	741
Sub-total	4,222	4,577	8,799		2,413	2,223	4,636		6,635	13,435
Technical Training Institutes										
Technical & Vocational Education and Training	103	205	308		0	0	0		103	308
Institute of Zorig Chusum	295	768	1,063		0	0	0		295	1,063
Sub-total	398	973	1,371		0	0	0		398	1,371
Other Forms of Education										
Monastic Education (Lobdras and Shredras)										
Continuing Education	0	0	0		70	40	110		70	110
Non-Formal Education Centres	3,162	1,216	4,378		0	0	0		3,162	4,378

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

² Included Special Institutes students

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

Source: Education Management Information System, MoE.

Table 3.5: Number of Teachers, Lecturers, Instructors, Trainers and Facilitators, 2022

Details	Government			Private			Total		
	Female	Male	Both Sex	Female	Male	Both Sex	Female	Male	Both Sex
Early Childhood Development									
ECCD Centres	557	30	587	331	27	358	888	57	945
School Education									
Extended Classroom	47	106	153	0	0	0	47	106	153
Primary Schools	1,242	1,391	2,633	91	33	124	1,333	1,424	2,757
Lower Secondary Schools	727	693	1,420	12	7	19	739	700	1,439
Middle Secondary Schools	1,093	1,172	2,265	21	23	44	1,114	1,195	2,309
Higher Secondary Schools	1,185	1,637	2,822	197	269	466	1,382	1,906	3,288
Special Institutes	17	17	34	0	0	0	17	17	34
Sub-total	4,311	5,016	9,327	321	332	653	4,632	5,348	9,980
Tertiary Education									
Tertiary Institutes within Bhutan	213	449	662	52	83	135	265	532	797
Technical Training Institutes									
Technical/Vocational Institutes	40	81	121	0	0	0	40	81	121
Institutes of Zorig Chusum	13	37	50	0	0	0	13	37	50
Sub-total	53	118	171	0	0	0	53	118	171
Other Forms of Education									
Monastic Education									
Non-Formal Education Centres	26	4	30	0	0	0	26	4	30

Note: SEN teachers are already counted in other school levels.

Source: Education Management Information System, MoE.

Table 3.6: Enrolment in Institutions and at Tertiary level, 2018 - 2022

Institutions	Ownership	(Number)				
		2018	2019	2020	2021	2022
Royal University of Bhutan		10,460	10,793	11,365	11,696	11,338
College of Natural Resources	Government	667	991	969	1,047	1,025
College of Science and Technology	Government	1,060	938	994	885	1,112
College of Language and Culutral Studies	Government	1,262	1,158	1,117	1,104	872
Jigme Namgyel Engineering College	Government	889	721	694	1,479	829
Paro College of Education	Government	969	1,594	1,589	1,529	1,535
Samtse College of Education	Government	1,159	741	913	750	580
Sherubtse College	Government	1,638	1,578	1,618	1,528	1,551
Gaeddu College of Business Studies	Government	1,426	1,619	1,624	1,621	1,549
Gyalpo College of Information Technology	Government	79	264	265	284	304
Royal Thimphu College	Private	1,188	983	1,203	1,203	1,554
Norbuling Rigter College	Private	91	162	335	236	401
Yonphula Centenary College	Government	32	44	44	30	26
Khesar Gyalpo University of Medical Sciences		600	628	686	759	896
Faculty of Nursing and Public Health	Government	429	469	486	510	592
Faculty of Traditional Medicine	Government	89	91	79	83	89
Faculty of Postgraduate Medicine	Government	30	36	49	61	64
Arura Academy of Health Sciences	Private	52	32	72	105	151
Autonomous Institutes		1,517	1,523	246	321	460
Royal Institute of Management	Government	162	298	203	234	352
Jigme Singye Wangchuk School of Law	Government	25	62	43	87	108
Vocational Institutes		1,460	1,690	555	1,125	1,371
TTI, Chumey	Government	195	241	63	196	368
TTI, Khuruthang	Government	209	240	94	135	63
TTI, Rangjung	Government	180	183	67	63	170
TTI, Samthang	Government	141	154	89	118	165
JWPTI, Dekiling	Government	206	301	41	203	234

Table 3.6: Enrolment in Institutions and at Tertiary level, 2018 - 2022

Institutions	Ownership	(Number)				
		2018	2019	2020	2021	2022
TTI, Thimphu	Government	76	79	127	145	63
Zorig Chusum, Thimphu	Government	245	295	5	147	214
Zorig Chusum, Trashi Yangtse	Government	208	197	69	118	94

Note: TTI (Technical Training Institute); JWPTI (Jigme Wangchuck Power Training Institute)

Source: State of Tertiary Education (STE) 2022, DAHE, MoE

Table 3.7: Number of Schools by Type and Dzongkhag, 2022

Dzongkhag	(Number)									
	Public					Private				
	Extended Classrooms	Primary Schools	Lower Secondary Schools	Middle Secondary Schools	Higher Secondary Schools	Primary Schools	Lower Secondary Schools	Middle Secondary Schools	Higher Secondary Schools	
Bumthang	2	12	1	1	3	0	0	0	1	
Chhukha	4	26	2	10	4	0	0	0	2	
Phuentsholing Thromde	0	0	1	2	1	0	0	0	2	
Other than Phuentsholing Thromde	4	26	1	8	3	0	0	0	0	
Dagana	2	15	3	3	3	0	0	0	0	
Gasa	3	2	0	1	1	0	0	0	0	
Haa	1	5	2	0	2	0	0	0	1	
Lhuentse	2	10	2	2	2	0	0	0	0	
Monggar	14	22	2	5	5	0	0	0	1	
Paro	0	8	5	2	5	4	1	0	5	
Pema Gatshel	3	13	4	3	3	0	0	0	0	
Punakha	4	10	4	2	4	0	0	0	1	
Samdrup Jongkhar	5	16	2	4	5	0	0	0	1	
Samdrup Jongkhar Thromde	0	2	0	0	1	0	0	0	1	
Other than Samdrup Jongkhar Thromde	5	14	2	4	4	0	0	0	0	
Samtse	9	22	7	2	5	0	0	0	0	
Sarpang	2	11	1	7	4	0	0	0	2	
Gelephu Thromde	0	0	1	1	1	0	0	0	1	
Other than Gelephu Thromde	2	11	0	6	3	0	0	0	1	
Thimphu	0	12	5	8	6	8	0	1	7	
Thimphu Thromde	0	6	3	6	3	7	0	1	6	
Other than Thimphu Thromde	0	6	2	2	3	1	0	0	1	
Trashigang	3	35	8	5	6	0	0	0	0	
Trashigang Yangtse	0	19	5	3	2	0	0	0	0	

Table 3.7: Number of Schools by Type and Dzongkhag, 2022

Dzongkhag	Public					Private				
	Extended Classrooms	Primary Schools	Lower Secondary Schools	Middle Secondary Schools	Higher Secondary Schools	Primary Schools	Lower Secondary Schools	Middle Secondary Schools	Higher Secondary Schools	(Number)
Trongsa	2	14	1	0	4	0	0	0	0	
Tsirang	1	12	0	2	2	0	0	0	0	
Wangdue Phodrang	6	23	1	1	3	0	0	0	0	
Zhemgang	0	23	3	1	3	0	0	0	0	
Total	63	310	58	62	72	12	1	1	21	

Note: Includes SEN Schools

Source: Education Management and Information System, MoE.

Table 3.8: Number of Students by Type, School level and Dzongkhag, 2022

Dzongkhag	Government					Private				
	Extended Classrooms	Primary Schools	Lower Secondary Schools	Middle Secondary Schools	Higher Secondary Schools	Primary Schools	Lower Secondary Schools	Middle Secondary Schools	Higher Secondary Schools	
Bumthang	32	1,210	941	463	1,498	0	0	0	109	
Chhukha	46	2,172	1,484	6,242	2,847	0	0	0	579	
Phuentsholing Thromde	0	0	1,107	1,526	723	0	0	0	579	
Other than Phuentsholing Thromde	46	2,172	377	4,716	2,124	0	0	0	0	
Dagana	54	1,614	580	2,041	1,848	0	0	0	0	
Gasa	54	168	0	158	488	0	0	0	0	
Haa	26	654	989	0	1,489	0	0	0	325	
Lhuentse	45	890	363	764	1,232	0	0	0	0	
Monggar	272	2,054	457	2,868	3,363	0	0	0	160	
Paro	0	1,818	2,917	1,234	3,165	346	198	0	1,555	
Pema Gatshel	48	999	829	1,823	1,547	0	0	0	0	
Punakha	63	1,041	1,758	1,730	1,771	0	0	0	916	
Samdrup Jongkhar	122	2,745	613	1,968	2,309	0	0	0	81	
Samdrup Jongkhar Thromde	0	1,322	0	0	302	0	0	0	81	
Other than Samdrup Jongkhar Thromde	122	1,423	613	1,968	2,007	0	0	0	0	
Samtse	212	3,206	3,565	1,401	5,417	0	0	0	0	
Sarpang	61	1,532	1,376	3,782	3,296	0	0	0	832	
Gelephu Thromde	0	0	1,376	589	814	0	0	0	197	
Other than Gelephu Thromde	61	1,532	0	3,193	2,482	0	0	0	635	
Thimphu	0	5,926	3,106	9,140	5,964	1,338	0	561	2,933	
Thimphu Thromde	0	5,265	2,705	7,663	4,404	1,191	0	561	2,210	
Other than Thimphu Thromde	0	661	401	1,477	1,560	147	0	0	723	
Trashigang	48	3,203	1,983	2,476	2,447	0	0	0	0	
Trashigang Yangtse	0	1,109	1,738	637	1,298	0	0	0	0	
Trongsa	26	1,407	345	0	1,688	0	0	0	0	

Table 3.8: Number of Students by Type, School level and Dzongkhag, 2022

Dzongkhag	Government					Private				
	Extended Classrooms	Primary Schools	Lower Secondary Schools	Middle Secondary Schools	Higher Secondary Schools	Primary Schools	Lower Secondary Schools	Middle Secondary Schools	Higher Secondary Schools	
Tsirang	20	1,925	0	1,985	1,721	0	0	0	0	0
Wangdue Phodrang	175	4,732	267	651	2,444	0	0	0	0	0
Zhemgang	0	1,579	716	393	1,657	0	0	0	0	0
Total	1,304	39,984	24,027	39,756	47,489	1,684	198	561	7,490	

Note: Includes SEN Schools

Source: Education Management and Information System, MoE.

Table 3.9: Comparative Enrolment by Grade and Schools, 2021 - 2022

Class	Private Schools					Extended Classroom					Primary School				
	2021	2022	+ or -	%		2021	2022	+ or -	%		2021	2022	+ or -	%	
PP	795	666	(129)	(16.23)		413	274	(139)	(33.66)		6,122	5,348	(774)	(12.64)	
I	475	610	135	28.42		583	336	(247)	(42.37)		7,510	6,040	(1,470)	(19.57)	
II	513	412	(101)	(19.69)		348	455	107	30.75		5,752	7,300	1,548	26.91	
III	491	464	(27)	(5.50)		332	234	(98)	(29.52)		6,137	5,673	(464)	(7.56)	
IV	388	438	50	12.89		0	5	5	0		5,739	6,779	1,040	18.12	
V	352	365	13	3.69		0	0	0	0		5,895	5,411	(484)	(8.21)	
VI	328	347	19	5.79		0	0	0	0		5,736	5,001	(735)	(12.81)	
Sub Total	3,342	3,302	(40)	(1.20)		1,676	1,304	(372)	(22.20)		42,891	41,552	(1,339)	(3.12)	
VII	192	231	39	20.31		0	0	0	0		0	0	0	0	
VIII	166	279	113	68.07		0	0	0	0		0	0	0	0	
Sub Total	358	279	(79)	(22.07)		0	0	0	0		0	0	0	0	
IX	213	276	63	29.58		0	0	0	0		0	0	0	0	
X	268	425	157	58.58		0	0	0	0		0	0	0	0	
Sub Total	481	701	220	45.74		0	0	0	0		0	0	0	0	
XI	2,606	612	(1,994)	(76.52)		0	0	0	0		0	0	0	0	
XII	4,478	4,808	330	7.37		0	0	0	0		0	0	0	0	
Sub Total	7,084	5,420	(1,664)	(23.49)		0	0	0	0		0	0	0	0	
VII-X	839	1,211	372	44.34		0	0	0	0		0	0	0	0	
Total	11,265	9,933	(1,332)	(11.82)		1,676	1,304	(372)	(22.20)		42,891	41,552	(1,339)	(3.12)	

Note: Inclusive of SEN (Special Education Needs) students

Source: Education Management Information System, MoE.

Table 3.9: Comparative Enrolment by Grade and Schools, 2021 - 2022

Class	Private Schools				Extended Classroom				Primary School			
	2021	2022	+ or -	%	2021	2022	+ or -	%	2021	2022	+ or -	%
PP	795	666	(129)	(16.23)	413	274	(139)	(33.66)	6,122	5,348	(774)	(12.64)
I	475	610	135	28.42	583	336	(247)	(42.37)	7,510	6,040	(1,470)	(19.57)
II	513	412	(101)	(19.69)	348	455	107	30.75	5,752	7,300	1,548	26.91
III	491	464	(27)	(5.50)	332	234	(98)	(29.52)	6,137	5,673	(464)	(7.56)
IV	388	438	50	12.89	0	5	5	0	5,739	6,779	1,040	18.12
V	352	365	13	3.69	0	0	0	0	5,895	5,411	(484)	(8.21)
VI	328	347	19	5.79	0	0	0	0	5,736	5,001	(735)	(12.81)
Sub Total	3,342	3,302	(40)	(1.20)	1,676	1,304	(372)	(22.20)	42,891	41,552	(1,339)	(3.12)
VII	192	231	39	20.31	0	0	0	0	0	0	0	0
VIII	166	279	113	68.07	0	0	0	0	0	0	0	0
Sub Total	358	279	(79)	(22.07)	0	0	0	0	0	0	0	0
IX	213	276	63	29.58	0	0	0	0	0	0	0	0
X	268	425	157	58.58	0	0	0	0	0	0	0	0
Sub Total	481	701	220	45.74	0	0	0	0	0	0	0	0
XI	2,606	612	(1,994)	(76.52)	0	0	0	0	0	0	0	0
XII	4,478	4,808	330	7.37	0	0	0	0	0	0	0	0
Sub Total	7,084	5,420	(1,664)	(23.49)	0	0	0	0	0	0	0	0
VII-X	839	1,211	372	44.34	0	0	0	0	0	0	0	0
Total	11,265	9,933	(1,332)	(11.82)	1,676	1,304	(372)	(22.20)	42,891	41,552	(1,339)	(3.12)

Note: Inclusive of SEN (Special Education Needs) students

Source: Education Management Information System, MoE.

Table 3.10: Number of Students by Grade, 2018 - 2022

Grade	2018	2019	2020	2021	2022
Primary grade	92,298	89,894	94,165	92,621	90,712
PP	13,681	11,852	16,591	12,786	11,247
I	13,113	13,482	12,541	15,918	12,849
II	13,336	13,061	13,338	12,381	15,539
III	13,165	12,767	12,619	13,077	12,202
IV	13,666	13,944	13,465	12,425	15,070
V	12,546	13,008	13,265	13,081	11,977
VI	12,791	11,780	12,346	12,953	11,828
Lower Secondary grade	28,989	27,454	25,299	24,210	25,987
VII	14,933	13,702	12,503	12,054	13,894
VIII	14,056	13,752	12,796	12,156	12,093
Middle Secondary grade	26,338	26,767	26,813	25,892	22,581
IX	13,828	13,886	13,630	12,924	11,733
X	12,510	12,881	13,183	12,968	10,848
Higher Secondary school	19,483	22,671	24,529	25,601	23,213
XI	8,882	11,750	11,527	12,246	9,438
XII	10,601	10,921	13,002	13,355	13,775
Total	167,108	166,786	170,806	168,324	162,493

Note: Inclusive of SEN (Special Education Needs) students

Source: Education Management Information System, MoE.

CHAPTER 4

LABOUR AND EMPLOYMENT

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 - 2021

Indicators	2018			2019			2020			2021		
	Male	Female	Both Sex	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	238,310	251,422	489,773
Labour Force Participation Rate (%)	70.14	55.47	62.60	71.80	61.20	66.40	72.50	63.50	67.80	73.1	65.3	69.1
Employment Rate (%)	97.32	95.85	96.65	97.76	96.74	97.28	95.90	94.00	95.00	96.4	93.9	95.2
Unemployment Rate (%)	2.70	4.20	3.40	2.20	3.30	2.70	4.13	5.97	5.03	3.6	6.1	4.8
Youth Unemployment Rate (%)	15.40	16.10	15.70	9.70	13.80	11.90	19.20	25.40	22.60	16.9	24.6	20.9

Source: Labour Force Survey Report 2021, NSB

Table 4.1.2: Number of Working Age Popuation by Age Group, Area and Sex, 2019 - 2021

Area	Age group	2019			2020			2021		
		Male	Female	Both Sex	Male	Female	Both Sex	Male	Female	Both Sex
Urban	15-19	9,290	11,207	20,497	9,897	11,078	20,975	10,779	10,966	21,745
	20-24	8,365	10,212	18,577	9,135	11,843	20,978	9,230	10,910	20,140
	25-29	11,240	13,882	25,122	10,365	13,397	23,762	10,058	12,585	22,644
	30-34	11,331	13,035	24,366	10,463	13,610	24,072	11,139	13,161	24,300
	35-39	10,000	10,516	20,516	10,702	10,806	21,507	9,911	11,096	21,007
	40-44	7,609	6,622	14,230	8,109	7,489	15,597	8,749	8,436	17,185
	45-49	5,634	4,600	10,234	5,824	5,613	11,438	6,536	5,620	12,156
	50-54	4,394	3,943	8,337	5,197	3,791	8,988	4,958	4,199	9,157
	55-59	2,472	2,169	4,640	2,232	2,125	4,357	2,948	3,016	5,964
	60-64	1,695	2,164	3,859	1,903	1,858	3,761	2,021	1,847	3,868
	65 and above	3,451	4,002	7,453	3,908	4,221	8,129	4,078	4,864	8,942
Rural	15-19	22,986	22,135	45,121	19,849	20,103	39,952	20,991	19,872	40,863
	20-24	16,163	14,692	30,855	14,822	16,036	30,859	15,356	15,351	30,708
	25-29	15,788	16,205	31,993	14,673	15,910	30,583	13,463	15,247	28,710
	30-34	13,691	17,236	30,927	15,064	16,912	31,977	15,172	16,967	32,139
	35-39	14,477	15,553	30,030	13,979	17,231	31,209	14,970	15,430	30,400
	40-44	12,555	13,125	25,680	13,132	14,236	27,368	13,242	14,857	28,099
	45-49	11,290	12,886	24,176	11,925	13,835	25,760	11,928	14,495	26,423
	50-54	11,035	12,457	23,493	11,273	13,500	24,773	10,868	11,654	22,522
	55-59	10,109	11,074	21,183	9,254	10,186	19,439	9,537	9,977	19,513
	60-64	10,597	9,436	20,033	9,512	9,167	18,679	9,712	9,429	19,141
	65 and above	21,294	19,203	40,497	22,627	21,547	44,173	22,664	21,440	44,104
Total	15-19	32,276	33,342	65,618	29,745	31,181	60,927	31,769	30,839	62,608
	20-24	24,528	24,904	49,432	23,958	27,879	51,837	24,586	26,262	50,848
	25-29	27,029	30,087	57,115	25,038	29,307	54,345	23,521	27,832	51,353
	30-34	25,022	30,271	55,293	25,527	30,522	56,049	26,311	30,128	56,439
	35-39	24,477	26,069	50,547	24,680	28,036	52,717	24,881	26,526	51,407
	40-44	20,164	19,746	39,910	21,240	21,725	42,965	21,991	23,293	45,284
	45-49	16,924	17,486	34,410	17,749	19,448	37,197	18,464	20,115	38,580
	50-54	15,429	16,400	31,829	16,470	17,291	33,760	15,826	15,853	31,680
	55-59	12,581	13,243	25,823	11,486	12,311	23,796	12,485	12,993	25,477
	60-64	12,292	11,600	23,891	11,416	11,025	22,440	11,734	11,276	23,010
	65 and above	24,745	23,205	47,950	26,535	25,767	52,302	26,742	26,305	53,047

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

Source: Labour Force Survey Report 2021, NSB.

Table 4.1.3: Labour Force Participation Rate (%) by Area, Age Group and Sex, 2019 - 2021

Area	Age Group	Number						Percent					
		2019			2020			2021			2019		
		Male	Female		Male	Female		Male	Female		Male	Female	
Urban	15-19	464	595	669	898	669	320	566	566	320	5.00	5.30	6.00
	20-24	4,751	4,915	6,426	7,528	6,426	6,156	5,402	5,402	6,156	56.80	48.10	53.40
	25-29	10,252	9,161	10,106	16,274	10,106	9,440	9,100	9,100	9,440	91.20	66.00	88.80
	30-34	10,953	8,690	9,584	17,791	9,584	9,736	10,540	10,540	9,736	96.70	66.70	92.10
	35-39	9,584	6,815	7,994	17,143	7,994	8,364	9,423	9,423	8,364	95.80	64.80	94.20
	40-44	7,347	4,262	5,421	12,748	5,421	6,478	8,482	8,482	6,478	96.60	64.40	95.90
	45-49	5,427	2,549	3,516	8,930	3,516	3,837	6,373	6,373	3,837	96.30	55.40	97.40
	50-54	4,101	1,939	2,063	6,718	2,063	2,358	4,570	4,570	2,358	93.30	49.20	93.20
	55-59	1,980	775	871	2,676	871	1,450	2,346	2,346	1,450	80.10	35.80	82.80
	60-64	1,160	658	604	1,653	604	769	1,392	1,392	769	68.50	30.40	58.00
Rural	65 and above	1,095	401	521	1,798	521	695	1,288	1,288	695	31.70	10.00	32.70
	15-19	2,034	1,797	1,512	1,452	1,512	981	1,421	1,421	981	8.90	8.10	7.30
	20-24	7,490	8,553	8,094	6,969	8,094	8,718	7,452	7,452	8,718	46.30	58.20	47.00
	25-29	13,152	13,007	12,912	12,656	12,912	12,816	11,566	11,566	12,816	83.30	80.30	86.30
	30-34	12,667	15,065	14,783	14,207	14,783	14,942	14,357	14,357	14,942	92.50	87.40	94.30
	35-39	13,935	13,808	15,126	13,343	15,126	13,881	14,341	14,341	13,881	96.30	88.80	95.50
	40-44	12,105	11,575	13,087	12,797	13,087	13,930	12,896	12,896	13,930	96.40	88.20	97.40
	45-49	10,884	11,528	12,405	11,567	12,405	13,605	11,610	11,610	13,605	96.40	89.50	97.00
	50-54	10,375	10,898	10,683	10,683	12,037	10,534	10,359	10,359	10,534	94.00	87.50	94.80
	55-59	9,472	9,458	8,672	8,672	8,618	8,518	9,121	9,121	8,518	93.70	85.40	93.70
	60-64	9,262	7,089	7,253	8,364	7,253	7,800	8,658	8,658	7,800	87.40	75.10	87.90
	65 and above	10,610	7,116	8,062	11,880	8,062	8,848	12,940	12,940	8,848	49.80	37.10	52.50

Table 4.1.3: Labour Force Participation Rate (%) by Area, Age Group and Sex, 2019 - 2021

Area	Age Group	Number						Percent					
		2019		2020		2021		2019		2020		2021	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
	15-19	2,498	2,391	2,106	2,179	1,987	1,300	7.70	7.20	7.10	7.00	6.30	4.20
	20-24	12,241	13,468	11,846	14,521	12,854	14,874	49.90	54.10	49.40	52.10	52.30	56.60
	25-29	23,403	22,167	21,858	23,018	20,666	22,256	86.60	73.70	87.30	78.50	87.90	80.00
	30-34	23,620	23,754	23,843	24,366	24,897	24,678	94.40	78.50	93.40	79.80	94.60	81.90
	35-39	23,519	20,623	23,419	23,120	23,763	22,245	96.10	79.10	94.90	82.50	95.50	83.90
Total	40-44	19,452	15,837	20,575	18,508	21,377	20,408	96.50	80.20	96.90	85.20	97.20	87.60
	45-49	16,312	14,078	17,242	15,921	17,984	17,441	96.40	80.50	97.10	81.90	97.40	86.70
	50-54	14,476	12,836	15,525	14,100	14,929	12,892	93.80	78.30	94.30	81.50	94.30	81.30
	55-59	11,452	10,234	10,519	9,489	11,468	9,967	91.00	77.30	91.60	77.10	91.90	76.70
	60-64	10,423	7,747	9,468	7,857	10,050	8,569	84.80	66.80	82.90	71.30	85.60	76.00
	65 and above	11,705	7,517	13,156	8,584	14,229	9,543	47.30	32.40	49.60	33.30	53.20	36.30

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

Source: Labour Force Survey Report 2021, NSB.

Table 4.1.4: Employment and Unemployment Rate (%) by Area, Age Group and Sex, 2021

Area	Age Group	Number				Percent			
		Employed		Unemployed		Employment Rate (%)		Unemployment Rate (%)	
		Male	Female	Male	Female	Male	Female	Male	Female
Urban	15-19	346	205	220	115	346	205	38.80	36.00
	20-24	4,130	4,209	1,272	1,947	4,130	4,209	23.50	31.60
	25-29	8,011	7,833	1,089	1,607	8,011	7,833	12.00	17.00
	30-34	10,046	8,534	494	1,202	10,046	8,534	4.70	12.30
	35-39	9,167	7,840	256	524	9,167	7,840	2.70	6.30
	40-44	8,371	6,184	111	294	8,371	6,184	1.30	4.50
	45-49	6,204	3,622	169	215	6,204	3,622	2.70	5.60
	50-54	4,558	2,271	12	87	4,558	2,271	0.30	3.70
	55-59	2,306	1,416	40	34	2,306	1,416	1.70	2.30
	60-64	1,392	729	0	40	1,392	729	0.00	5.20
Rural	65 and above	1,288	695	0	0	1,288	695	0.00	0.00
	15-19	1,195	931	226	50	1,195	931	15.90	5.10
	20-24	6,663	6,845	789	1,873	6,663	6,845	10.60	21.50
	25-29	11,019	11,959	547	857	11,019	11,959	4.70	6.70
	30-34	14,136	14,463	221	479	14,136	14,463	1.50	3.20
	35-39	14,141	13,548	200	333	14,141	13,548	1.40	2.40
	40-44	12,592	13,797	304	133	12,592	13,797	2.40	1.00
	45-49	11,512	13,563	98	42	11,512	13,563	0.80	0.30
	50-54	10,278	10,485	81	49	10,278	10,485	0.80	0.50
	55-59	8,964	8,478	157	40	8,964	8,478	1.70	0.50
Total	60-64	8,640	7,769	18	31	8,640	7,769	0.20	0.40
	65 and above	12,940	8,848	0	0	12,940	8,848	0.00	0.00
	15-19	1,541	1,135	446	165	1,541	1,135	22.40	12.70
	20-24	10,793	11,054	2,061	3,820	10,793	11,054	16.00	25.70
	25-29	19,030	19,792	1,636	2,464	19,030	19,792	7.90	11.10
	30-34	24,182	22,997	715	1,681	24,182	22,997	2.90	6.80
	35-39	23,307	21,388	456	857	23,307	21,388	1.90	3.90
	40-44	20,963	19,981	414	427	20,963	19,981	1.90	2.10
	45-49	17,717	17,185	267	256	17,717	17,185	1.50	1.50
	50-54	14,836	12,756	93	136	14,836	12,756	0.60	1.10
Total	55-59	11,270	9,894	198	73	11,270	9,894	1.70	0.70
	60-64	10,032	8,498	18	71	10,032	8,498	0.20	0.80
	65 and above	14,229	9,543	0	0	14,229	9,543	0.00	0.00

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

Source: Labour Force Survey Report 2021, NSB.

Table 4.1.5: Labour Force Participation Rate by Dzongkhag and Sex, 2021

Dzongkhag	Number			Labour Force Participation Rate (%)		
	Male	Female	Total	Male	Female	Total
Bumthang	4,100	4,474	8,574	74.78	75.54	75.17
Chhukha	16,485	13,114	29,598	76.62	61.88	69.31
Dagana	6,830	6,702	13,532	72.77	68.76	70.73
Gasa	954	933	1,886	77.14	73.48	75.28
Haa	3,123	3,147	6,270	67.50	67.82	67.66
Lhuentse	3,022	3,326	6,348	62.56	62.96	62.77
Monggar	9,233	9,755	18,987	72.61	70.62	71.57
Paro	10,037	9,349	19,387	71.47	61.29	66.17
Pema Gatshel	5,804	5,954	11,758	73.90	69.93	71.84
Punakha	6,218	6,300	12,518	71.18	63.18	66.92
Samdrup Jongkhar	7,801	6,920	14,720	72.49	60.30	66.20
Samtse	18,309	15,245	33,554	79.20	67.90	73.64
Sarpang	12,403	11,090	23,494	76.32	63.97	69.95
Thimphu	31,188	28,473	59,661	70.08	58.56	64.07
Trashigang	11,683	11,859	23,542	74.82	74.74	74.78
Trashigang Yangtse	4,057	4,113	8,170	64.80	63.72	64.25
Trongsa	4,338	4,369	8,707	73.36	69.18	71.20
Tsirang	5,771	5,444	11,215	81.54	72.88	77.09
Wangdue Phodrang	8,863	9,449	18,312	67.83	66.34	67.05
Zhemgang	3,984	4,158	8,142	74.89	74.54	74.71
Total	174,202	164,173	338,376	73.10	65.30	69.10

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

Source: Labour Force Survey Report 2021, NSB.

Table 4.1.6: Number of Unemployed by Dzongkhag and Sex, 2021

Dzongkhag	Number			Unemployment Rate (%)		
	Male	Female	Total	Male	Female	Total
Bumthang	50	79	129	1.22	1.76	1.50
Chhukha	600	806	1,406	3.64	6.15	4.75
Dagana	147	61	208	2.15	0.91	1.54
Gasa	3	24	28	0.37	2.61	1.48
Haa	142	241	383	4.55	7.65	6.11
Lhuentse	96	171	266	3.17	5.13	4.19
Monggar	274	300	573	2.96	3.07	3.02
Paro	547	942	1,489	5.45	10.07	7.68
Pema Gatshel	122	182	304	2.10	3.06	2.59
Punakha	191	451	642	3.07	7.16	5.13
Samdrup Jongkhar	84	63	147	1.07	0.91	1.00
Samtse	461	853	1,313	2.52	5.59	3.91
Sarpang	301	544	845	2.42	4.91	3.60
Thimphu	2,351	3,672	6,023	7.54	12.90	10.09
Trashigang	410	295	704	3.51	2.49	2.99
Trashigang Yangtse	179	187	366	4.42	4.53	4.48
Trongsa	119	204	323	2.74	4.67	3.71
Tsirang	83	230	313	1.44	4.22	2.79
Wangdue Phodrang	132	535	667	1.49	5.66	3.64
Zhemgang	12	111	123	0.31	2.67	1.51
Total	6,304	9,950	16,254	3.60	6.10	4.80

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

Source: Labour Force Survey Report 2021, NSB.

Table 4.1.7: Number of Employed Persons by Dzongkhag and Sex, 2021

Dzongkhag	Number			Employment Rate (%)		
	Male	Female	Total	Male	Female	Total
Bumthang	4,050	4,395	8,445	98.78	98.24	98.50
Chhukha	15,884	12,307	28,192	96.36	93.85	95.25
Dagana	6,684	6,641	13,324	97.85	99.09	98.46
Gasa	950	908	1,859	99.63	97.39	98.52
Haa	2,981	2,906	5,887	95.45	92.35	93.89
Lhuentse	2,926	3,156	6,082	96.83	94.87	95.81
Monggar	8,959	9,455	18,414	97.04	96.93	96.98
Paro	9,490	8,408	17,898	94.55	89.93	92.32
Pema Gatshel	5,682	5,772	11,453	97.90	96.94	97.41
Punakha	6,027	5,849	11,876	96.93	92.84	94.87
Samdrup Jongkhar	7,717	6,856	14,573	98.93	99.09	99.00
Samtse	17,848	14,392	32,240	97.48	94.41	96.09
Sarpang	12,102	10,546	22,649	97.58	95.09	96.40
Thimphu	28,837	24,801	53,638	92.46	87.10	89.91
Trashigang	11,274	11,564	22,838	96.49	97.51	97.01
Trashigang Yangtse	3,877	3,927	7,804	95.58	95.47	95.52
Trongsa	4,219	4,165	8,384	97.26	95.33	96.29
Tsirang	5,688	5,214	10,902	98.56	95.78	97.21
Wangdue Phodrang	8,730	8,914	17,644	98.51	94.34	96.36
Zhemgang	3,972	4,047	8,019	99.69	97.33	98.49
Total	167,899	154,223	322,122	96.38	93.94	95.20

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

Source: Labour Force Survey Report 2021, NSB.

Table 4.1.8: Distribution of Employed Persons by Major Occupation, Area and Sex, 2021

Major Occupation	Number			Percent		
	Area		Sex	Area		Sex
	Urban	Rural		Urban	Rural	
			Male	Female	Total	
Managers	8,850	4,276	7,914	5,213	13,126	4.07
Professionals	12,132	7,562	11,747	7,947	19,694	6.11
Technicians & Associate Professionals	11,903	8,095	14,749	5,249	19,998	6.21
Clerical Support Workers	4,398	1,772	2,215	3,956	6,171	1.92
Services and Sales workers	24,578	17,034	18,771	22,841	41,612	12.92
Skilled Agricultural & Forestry workers	4,779	152,143	68,197	88,725	156,922	48.72
Craft & Related Trade Workers	13,299	15,123	14,591	13,831	28,422	8.82
Plant & Machine Operators	7,945	7,408	15,084	269	15,353	4.77
Elementary Occupations	7,550	8,132	9,500	6,182	15,682	4.87
Armed Forces	3,921	1,221	5,131	11	5,142	1.60
Total	99,356	222,766	167,899	154,223	322,122	100.00

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

Source: Labour Force Survey Report 2021, NSB.

Table 4.1.9: Total Employed Persons by Major Economic Activity and Nature of Employment, 2021

Major Economic Activity	Nature of Employment				
	Regular paid employee	Casual paid employee	Own-account worker(Non-agriculture)	Own-account worker(Agriculture)	Family worker(Non-agriculture)
Agriculture, Forestry and Fishing	1,242	599	211	72,609	35
Mining and Quarrying	1,154	109	260	0	66
Manufacturing	6,416	868	11,199	0	3,215
Electricity, Gas, Steam and Air Conditioning Supply	3,952	0	0	0	0
Water Supply; Sewerage, Waste Management and Remediation Activities	76	0	34	0	0
Construction	7,281	8,954	4,397	0	909
Wholesale & Retail Trade; Repair of Motor Vehicles and Motorcycles	4,923	153	16,116	30	5,820
Transportation and Storage	1,655	771	6,829	0	236
Accommodation and Food Service Activities	3,174	75	3,382	0	1,708
Information and Communication	1,715	30	111	0	30
Financial and Insurance Activities	3,057	0	0	0	0
Real Estate Activities	322	0	1,083	0	86
Professional, Scientific and Technical Activities	468	0	212	0	30
Administrative and Support Service Activities	864	109	190	0	0
Public Administration and Defence; Compulsory Social Security	25,510	209	20	0	20
Education	16,351	0	50	0	0
Human Health and Social Work Activities	9,844	45	15	0	13
Arts, Entertainment and Recreation	492	150	206	0	101
Other Service Activities	773	3,974	380	0	44
Activities of Households as Employers	483	0	0	0	0
Activities of Extraterritorial Organizations and Bodies	888	0	0	0	0
Total	90,640	16,044	44,696	72,639	12,314

Table 4.1.9: Total Employed Persons by Major Economic Activity and Nature of Employment, 2021

Major Economic Activity	Nature of Employment			Total
	Family worker(Agriculture)	Employer	Apprenticeship/ Internship	
Agriculture, Forestry and Fishing	83,749	65	0	158,511
Mining and Quarrying	0	67	0	1,656
Manufacturing	0	190	0	21,887
Electricity, Gas, Steam and Air Conditioning Supply	0	0	0	3,952
Water Supply; Sewerage, Waste Management and Remediation Activities	0	0	0	110
Construction	0	476	0	22,017
Wholesale & Retail Trade; Repair of Motor Vehicles and Motorcycles	0	566	0	27,608
Transportation and Storage	0	0	0	9,491
Accommodation and Food Service Activities	0	324	0	8,663
Information and Communication	0	0	60	1,946
Financial and Insurance Activities	0	0	0	3,057
Real Estate Activities	0	21	0	1,512
Professional, Scientific and Technical Activities	0	60	30	800
Administrative and Support Service Activities	0	30	0	1,194
Public Administration and Defence; Compulsory Social Security	0	0	32	25,791
Education	0	32	10	16,443
Human Health and Social Work Activities	0	0	0	9,917
Arts, Entertainment and Recreation	0	75	0	1,025
Other Service Activities	0	0	0	5,171
Activities of Households as Employers	0	0	0	483
Activities of Extraterritorial Organizations and Bodies	0	0	0	888
Total	83,749	1,907	133	322,122

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

Source: Labour Force Survey Report 2021, NSB.

Table 4.1.10: Total Employed Persons by Dzongkhag and Level of Education, 2021

Dzongkhag	Level of Education								Total
	None	Primary	Lower Secondary	Middle Secondary	Higher Secondary	Certificate/ Diploma	Bachelors Degree	Masters & Above Education	
Bumthang	2,794	1,050	474	923	1,125	295	601	54	8,445
Chukha	12,447	3,213	2,183	3,653	2,484	655	2,128	390	28,192
Dagana	6,490	1,700	705	1,534	957	104	732	61	13,324
Gasa	877	199	91	99	92	57	113	19	1,859
Haa	3,090	607	238	512	462	40	257	7	5,887
Lhuentse	2,824	443	282	452	398	113	203	14	6,082
Mongar	9,030	1,155	869	1,219	1,089	249	603	110	18,414
Paro	6,769	2,420	962	2,274	2,291	372	1,672	315	17,898
Pemagatshel	4,837	1,246	540	1,164	861	244	400	65	11,453
Punakha	5,987	942	537	992	991	241	839	87	11,876
Samdrup Jongkhar	6,617	973	733	1,136	858	563	815	165	14,573
Samtse	16,405	5,238	1,646	3,006	1,803	175	1,135	312	32,240
Sarpang	8,341	4,153	1,251	3,121	2,445	384	953	136	22,649
Thimphu	10,553	6,240	3,853	8,571	8,350	2,087	8,986	1,756	53,638
Tashigang	11,200	1,903	554	882	1,325	621	1,356	256	22,838
Tashiyangtse	3,901	576	216	561	468	73	354	13	7,804
Trongsa	3,586	812	333	701	746	162	380	34	8,384
Tsirang	5,206	1,991	559	749	812	126	654	103	10,902
Wangdue Phodrang	8,677	1,575	1,037	1,718	1,454	373	988	197	17,644
Zhemgang	4,208	588	341	710	488	186	454	37	8,019
Total	133,839	37,023	17,405	33,977	29,498	7,120	23,624	4,132	322,122

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

Source: Labour Force Survey Report 2021, NSB.

Table 4.2.1: Number of Jobseekers Registered in the Online Job Portal System by Months, 2019 - 2021

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

Table 4.2.1: Number of Jobseekers Registered in the Online Job Portal System by Months, 2019 - 2021

Sex	2020												2021				
	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Male	33	153	98	113	372	118	132	52	192	170	162	132	118	105	261	196	243
Female	35	169	161	205	536	203	168	38	152	177	289	228	180	137	389	304	406
Total	68	322	259	318	908	321	300	90	344	347	451	360	298	242	650	500	649

Source: Labour Market Information Bulletin, DNHRD, MoLHR

Table 4.2.2: Number of Job Vacancies by Qualification and Sectors, 2021

Qualification	Government/ Autonomous	Corporate	Private	NGOs	Overseas	Total
Master	4	2	3	0	0	9
General Graduate	43	17	35	5	0	100
Technical Graduate	26	27	50	0	0	103
Diploma	13	12	17	0	0	42
Certificate	10	24	48	0	0	82
Class XII	37	10	22	0	0	69
Class X	6	13	17	1	2,719	2,756
Class IX & Below	22	19	33	1	0	75
Illiterate	50	9	13	0	0	72
Total	211	133	238	7	2,719	3,308

Note: The overseas vacancies announced were for qualification above class 10

Source: Labour Market Information Bulletin, DNHRD, MoLHR

Table 4.2.3: Number of Job Vacancies by Months and Sectors, 2019 - 2021

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

Table 4.2.3: Number of Job Vacancies by Months and Sectors, 2019 - 2021

Sectors	2020												2021							
	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	
Government/Autonomous	1,023	27	11	11	424	53	81	12	44	28	26	5	15	12	13	0	30	8	18	
Corporate	1	655	7	45	2017	28	13	5	16	2	0	7	27	10	33	0	0	19	14	
Private	21	71	84	10	52	111	36	19	37	21	22	5	22	4	35	12	17	3	41	
NGOs	0	0	0	0	0	1	0	0	0	0	1	0	3	1	0	0	0	0	2	
Overseas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	825	1334	560	
Total	1,045	753	102	66	2,493	193	130	36	97	51	49	17	67	27	81	12	872	1,364	635	

Source: Labour Market Information Bulletin, DNHRD, MoLHR

Table 4.2.4: Number of Placements by Months and Sectors, 2019 - 2021

Sectors	2019											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Government/Autonomous	98	5	92	266	73	79	82	237	46	314	264	81
Corporate	91	53	69	33	105	68	21	3	108	15	49	117
Private	0	91	110	25	124	203	72	17	149	1	7	164
NGOs	1	0	0	0	0	0	0	0	0	0	0	12
Overseas	67	71	88	163	112	50	127	81	175	74	253	302
Total	257	220	359	487	414	400	302	338	478	404	573	676

Table 4.2.4: Number of Placements by Months and Sectors, 2019 - 2021

Sectors	2020											
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Government/Autonomous	3	13	7	42	52	207	0	33	224	211	82	104
Corporate	7	1	18	48	28	51	4	27	31	42	5	4
Private	0	0	0	1	1	0	0	0	2	4	16	23
NGOs	0	0	0	0	0	0	0	0	0	0	0	0
Overseas	0	106	46	25	0	0	0	0	0	0	0	15
Total	10	120	71	116	81	258	4	60	257	257	103	146

Note: The data on placement carried out in August, September and October 2020 were as per data received from MFA

Source: Labour Market Information Bulletin, DNHRD, MoLHR

Table 4.2.5: Number of Overseas Placements by Qualification, 2016/2017 - 2020/2021

Qualification	2016/2017	2017/2018	2018/2019	2019/2020	2020/2021
Master	0	0	0	0	0
General Graduate	708	754	360	156	0
Technical Graduate	0	0	0	0	0
Diploma	0	49	0	0	0
Certificate	0	163	0	0	0
Class XII	676	682	666	966	5
Class X	243	152	147	156	16
Not available	0	0	0	0	177
Total	1,627	1,800	1,173	1,278	198

Note: The placements facilitated by MFA during covid pandemic did not capture the qualification

Table 4.2.6: Number of Foreign Workers by Major Occupation and Sex as of June, 2022

Major Occupation	Male	Female	Both Sex
Managers			124
Professionals			924
Technicians and Associate Professionals			339
Clerical support workers			15
Service and sales workers			43
Skilled Agricultural, Forestry and Fishery			26
Craft and related trade workers			32635
Plant and machine operators and assemblers			662
Elementary Occupation			2,204
Total			36,972

Source: Labour MarketNet System, MoLHR, Thimphu

Table 4.3.1: Number of Civil Servants by Position Level, Nationality and Sex, 2021

Postion Category	Regular						Regular Total
	Bhutanese			Non Bhutanese			
	Male	Female	Both Sex	Male	Female	Both Sex	
Executive and Specialists							
No Level ¹	2	0	2	0	0	0	2
EX1	21	3	24	0	0	0	24
EX2	47	4	51	0	0	0	51
EX3	63	12	75	0	0	0	75
ES1	6	1	7	0	0	0	7
ES2	21	8	29	0	0	0	29
ES3	95	22	117	0	0	0	117
Sub Total	255	50	305	0	0	0	305
Professional & Management							
P1	933	472	1,405	0	0	0	1,405
P2	1,730	906	2,636	0	0	0	2,636
P3	2,292	1,318	3,610	0	0	0	3,610
P4	1,841	1,158	2,999	0	0	0	2,999
P5	1,273	1,259	2,532	0	0	0	2,532
Sub Total	8,069	5,113	13,182	0	0	0	13,182

Table 4.3.1: Number of Civil Servants by Position Level, Nationality and Sex, 2021

Postion Category	Regular						Regular Total
	Bhutanese			Non Bhutanese			
	Male	Female	Both Sex	Male	Female	Both Sex	
Supervisory & Support							
SS1	85	63	148	0	0	0	148
SS2	495	128	623	0	0	0	623
SS3	665	313	978	1	1	2	980
SS4	1,175	732	1,907	0	1	1	1,908
S1	1,463	1,042	2,505	0	1	1	2,506
S2	1,419	1,101	2,520	0	0	0	2,520
S3	915	798	1,713	0	0	0	1,713
S4	183	294	477	0	0	0	477
S5	332	177	509	0	0	0	509
Sub Total	6,732	4,648	11,380	1	3	4	11,384
Operational Staff							
O1	698	174	872	0	0	0	872
O2	310	62	372	0	0	0	372
O3	143	15	158	0	0	0	158
O4	48	1	49	0	0	0	49
Sub Total	1,199	252	1,451	0	0	0	1,451
Grand Total	16,255	10,063	26,318	1	3	4	26,322

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

Source: Civil Service Statistics, December 2021, RCSC.

Table 4.3.1: Number of Civil Servants by Position Level, Nationality and Sex, 2021

Postion Category	Contract						Contract Total	Total Male	Total Female	Grand Total
	Bhutanese			Non Bhutanese						
	Male	Female	Both Sex	Male	Female	Both Sex				
Executive and Specialists										
No Level ¹	0	0	0	0	0	0	0	2	0	2
EX1	1	0	1	0	0	0	1	22	3	25
EX2	1	0	1	0	0	0	1	48	4	52
EX3	4	0	4	0	0	0	4	67	12	79
ES1	7	2	9	0	0	0	9	13	3	16
ES2	3	0	3	0	0	0	3	24	8	32
ES3	2	0	2	1	0	1	3	98	22	120
Sub Total	18	2	20	1	0	1	21	274	52	326
Professional & Management										
P1	7	1	8	11	3	14	22	951	476	1,427
P2	11	1	12	16	8	24	36	1,757	915	2,672
P3	8	3	11	18	6	24	35	2,318	1,327	3,645
P4	60	123	183	4	7	11	194	1,905	1,288	3,193
P5	818	702	1,520	1	0	1	1,521	2,092	1,961	4,053
Sub Total	904	830	1,734	50	24	74	1,808	9,023	5,967	14,990

Table 4.3.1: Number of Civil Servants by Position Level, Nationality and Sex, 2021

Postion Category	Contract						Contract Total	Total Male	Total Female	Grand Total
	Bhutanese			Non Bhutanese						
	Male	Female	Both Sex	Male	Female	Both Sex				
Supervisory & Support										
SS1	0	0	0	0	0	0	0	85	63	148
SS2	1	1	2	0	0	0	2	496	129	625
SS3	0	0	0	0	0	0	0	666	314	980
SS4	12	1	13	0	0	0	13	1,187	734	1,921
S1	46	24	70	0	0	0	70	1,509	1,067	2,576
S2	48	36	84	0	0	0	84	1,467	1,137	2,604
S3	16	4	20	1	0	1	21	932	802	1,734
S4	39	15	54	0	1	1	55	222	310	532
S5	546	1,189	1,735	0	0	0	1,735	878	1,366	2,244
Sub Total	708	1,270	1,978	1	1	2	1,980	7,442	5,922	13,364
Operational Staff										
O1	6	0	6	0	0	0	6	704	174	878
O2	62	112	174	0	0	0	174	372	174	546
O3	7	3	10	0	0	0	10	150	18	168
O4	766	88	854	2	0	2	856	816	89	905
Sub Total	841	203	1,044	2	0	2	1,046	2,042	455	2,497
Grand Total	2,471	2,305	4,776	54	25	79	4,855	18,781	12,396	31,177

Table 4.3.2: Number of Civil Servants by Working Agency, Employment Type and Nationality, 2021

Working Agency	Regular			Contract			Grand Total
	Bhutanese	Non-Bhutanese	Total	Bhutanese	Non-Bhutanese	Total	
His Majesty's Secretariat	91	0	91	23	0	23	114
Secretariat of His Majesty The Fourth Druk Gyalpo	8	0	8	20	0	20	28
Judiciary	428	0	428	30	0	30	458
Legislative	83	0	83	62	0	62	145
Constitutional	448	0	448	15	0	15	463
Ministry	7,846	2	7,848	451	2	453	8,301
Autonomous	2,421	0	2,421	317	1	318	2,739
Dzongkhag	12,926	2	12,928	3,653	51	3,704	16,632
Thromde	2,063	0	2,063	205	25	230	2,293
Non-Civil Service ¹	4	0	4	0	0	0	4
Total	26,318	4	26,322	4,776	79	4,855	31,177

Note: B: Bhutanese, NB: Non Bhutanese

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

Source: Civil Service Statistics, December 2021, RCSC.

Table 4.3.3: Number of Civil Servants by Working Agency, Position Category and Sex, 2021

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	8	0	1	1	40	19	21	11	13	0	114
Secretariat of His Majesty The Fourth Druk Gyalpo	3	0	0	0	6	0	15	0	4	0	28
Judiciary	0	0	1	0	17	15	136	202	62	25	458
Legislative	6	0	0	0	52	40	17	20	10	0	145
Constitutional	9	1	2	0	159	88	97	65	34	8	463
Ministry	63	12	67	9	1635	759	3216	1662	768	110	8301
Autonomous & Other Agencies	27	3	39	14	579	426	627	721	220	83	2739
Dzongkhag	19	1	17	5	5877	3592	3136	2945	818	222	16632
Thromde	3	1	8	4	656	1028	177	296	113	7	2293
Non-Civil Service ¹	1	1	0	0	2	0	0	0	0	0	4
Total	139	19	135	33	9023	5967	7442	5922	2042	455	31177

Note: B: Bhutanese, NB: Non Bhutanese

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

Source: Civil Service Statistics, December 2021, RCSC.

Table 4.3.4: Number of Civil Servants by Major Occupational Groups, Position Category and Sex, 2021

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	5710	4221	139	64	0	0	10134
Administration and support services	0	0	526	247	747	1764	1901	450	5635
Medical and Health Services	0	0	492	423	1545	1390	0	0	3850
Architectural, Engineering and Land Services	0	0	537	189	1344	591	140	5	2806
Finance and Audit Services	0	0	317	188	598	390	0	0	1493
Forestry and Environment Protection Services	0	0	213	58	996	179	0	0	1446
Agriculture and Livestock Services	1	0	266	71	689	242	1	0	1270
Laboratory and Technical Services	0	0	57	24	427	520	0	0	1028
Legal, Judiciary and Legislative Services	0	0	128	80	134	167	0	0	509
Human Resource Services	0	0	130	86	200	112	0	0	528
Library, Archives & Museum Services	0	0	13	6	89	277	0	0	385
Information Communication and Technology Services	0	0	99	91	88	51	0	0	329
Sports and Youth Services	0	0	110	89	184	89	0	0	472
Planning and Research Services	0	0	202	93	23	7	0	0	325
Transportation and Aviation Services	0	0	38	14	201	65	0	0	318
Executive and Specialist Services	273	52	0	0	0	0	0	0	325
Trade, Industry and Tourism Services	0	0	86	50	13	9	0	0	158
Foreign Services	0	0	54	29	0	0	0	0	83
Arts, Culture and Literary Services	0	0	45	8	25	5	0	0	83
Total	274	52	9023	5967	7442	5922	2042	455	31177

Source: Civil Service Statistics, December 2021, RCSC.

Table 4.3.5 Public Service Statistics, 2017 - 2021

Public Service Institution	2017			2018			2019			2020			2021		
	Number of Staff			Number of Staff			Number of Staff			Number of Staff			Number of Staff		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Member of Parliaments	66	6	72	60	12	72	60	12	72	60	12	72	60	11	71
Constitutional Post Holders			25			25			25			25	19	6	25
Election Commission of Bhutan	82	43	125	84	43	127	85	42	127	83	41	124	83	42	125
Judiciary	39	6	45	38	6	44	36	6	42	38	7	45	40	9	49
Royal Monetary Authority	109	92	201	116	91	207	140	106	246	137	114	251	133	109	242
Civil Service	17,845	10,225	28,070	18,100	10,518	28,618	18,573	11,459	30,032	19,019	12,200	31,219	18,781	12,396	31,177
ESP and GSP	2,804	1,053	3,857	4,035	1,530	5,565	4,529	2,396	6,925	4,616	2,483	7,099	4,739	2,709	7,448
Local Government	1,316	175	1,491	1,316	175	1,491	1,316	175	1,491	1,316	175	1,491	1,316	175	1,491
Community Centers	63	159	222	63	159	222	62	163	225	59	151	210	60	154	214
SOEs	1,816	1,192	3,008	1,935	1,279	3,214	1,729	1,096	2,825	1,776	1,237	3,013	1,785	1,284	3,069
DHI and Companies ¹	7,298	2,465	9,763	7,266	2,506	9,772	7,279	2,565	9,844	7,376	2,739	10,115	7,512	2,868	10,380
Royal University of Bhutan	59	43	102	58	30	88	60	49	109	41	25	66	55	45	100
Grand Total	31,497	15,459	46,956	33,071	16,349	49,420	33,869	18,069	51,938	34,521	19,184	53,705	34,583	19,808	54,391

Note: ¹ The data on DHI and Companies excludes DHI staff from 2017 - 2020

CHAPTER 5

LAND USE AND AGRICULTURE

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 and 2021

Infrastructure	2020	2021
RNR Centres ¹	198	198
Agriculture Centres		
Agriculture Extension Centre	3	15
National Seed Centre	1	1
Regional Seed Centre	4	4
Seed Production Farms	4	4
Fertilizer Store	1	1
National Plant Protection Centre	1	1
Agriculture Machinery Centres	1	1
Regional Agriculture Machinery Centre	3	3
National Mushroom Centre	1	1
National Post Harvest Centre	1	1
Regional Post Harvest Centre	4	4
Agriculture Research and Development Centres	3	3
Agriculture Research and Development Sub-Centres	5	5
Soil and Plant Analytical Laboratory	1	1
Research and Development Centre for Organic Agriculture	1	1
Farm Machinery Cooperation Limited (FMCL)	1	1
Livestock Centres		
Livestock Extension Centres (LEC)	15	15
National Livestock Research and Development Centres	7	7
National Center for Animal Health	1	1
Dzongkhag Veterinary Hospitals	20	20
Regional Livestock Development Centres	4	4
National Veterinary Hospital	1	1
City Veterinary Hospital	1	1
Satellite Veterinary Hospitals	4	4
Government Livestock Farms (for breeding/production)	16	16
Vaccine Production Centre	1	1
Liquid Nitrogen Centre	2	2
Semen Processing Centre	1	1
National Highland Program	1	1
Livestock Central Store	1	1
Forestry Centres		
Functional Divisions	7	7
Divisional Forest Office	14	14
Range Offices	75	74
Beat Office	85	86
Forest Check Posts	39	45 ²
Protected areas (Parks & sanctuaries)	10	10
Forest Management unit	21	21
Biological Corridors	8	8 ³

Note: ¹ It houses the Agriculture and Livestock Services from the same infrastructure, ² Inclusive of Integrated check post which are manned by RBP, and ³ It means count of Biological corridors and doesn't include infrastructure.

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

Source: Planning & Policy Division and SMART, DoFPS, MoAF

Table 5.1.2: Distribution of Plant Protection Chemicals by Dzongkhag, 2017/2018 - 2020/2021

Dzongkhag	2017-2018						2018-2019						(Volume in Kg/L, unless Specified)								
	Insecticide s		Fungicides		Herbicides		Rodenticide s (gm)		Non-toxic		Insecticide s			Fungicides		Herbicides		Rodenticide s (gm)		Non-toxic	
Bumthang	40.80	217.75	409.25	0.37	0.00	31.60	218.50	414.75	0.09	28.60											
Chhukha	92.80	146.50	10543.50	0.00	5.50	72.50	1.00	16742.25	0.12	3.50											
Dagana	23.00	1.25	5014.25	0.10	10.00	72.80	0.00	5287.50	15.30	51.25											
Gasa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00											
Haa	202.70	191.45	5311.50	2.67	26.25	152.70	93.25	74.50	0.82	20.00											
Lhuntse	30.00	3.50	14025.00	2.00	0.00	26.40	1.25	23132.75	0.53	0.00											
Monggar	170.00	0.75	7230.00	1.00	100.00	339.00	200.50	11941.00	0.50	230.00											
Paro	1972.60	1018.85	161986.75	0.50	4297.40	1598.20	879.30	163130.50	0.67	3934.40											
Pema Gatshel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00											
Punakha	195.20	18.50	90009.50	0.28	0.00	339.20	25.55	70098.00	2.67	105.00											
Samdrup Jongkhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1000.00	0.00	0.00											
Samtse	0.00	0.00	7300.00	0.10	2.00	0.00	0.00	5000.00	0.00	5.00											
Sarpang	147.50	66.20	10235.00	0.00	117.50	76.70	30.45	9103.00	1.80	72.25											
Thimphu	30.50	21.60	27010.00	0.10	0.00	1321.00	44.60	20036.00	11.75	0.20											
Trashigang	41.50	112.45	46000.00	1.00	0.00	40.00	104.05	62100.00	0.05	0.00											
Trashigang	1849.30	1010.00	36029.00	0.61	3402.75	1509.60	703.50	30434.00	2.01	1205.70											
Trongsa	51.00	40.00	16182.00	0.00	0.00	0.00	2.75	17165.00	0.05	0.00											
Tsirang	61.30	32.40	11171.50	1.18	0.00	42.60	1.00	10871.00	12.37	20.00											
Wangdue Phodrang	250.60	2083.40	41590.75	4.53	430.75	410.70	3741.95	57989.25	9.02	424.15											
Zhemgang	0.00	0.30	0.00	0.00	0.10	2.00	0.00	0.00	0.00	0.50											
Source: National Plant Protection Centre, Department of Agriculture, MoAF																					

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

Table 5.1.2: Distribution of Plant Protection Chemicals by Dzongkhag, 2017/2018 - 2020/2021

Dzongkhag	2019-2020					2020-2021		
	Insecticide s	Fungicides	Herbicides	Rodenticide s (gm)	Non-toxic	Insecticide s	Fungicides	Non-toxic
Bumthang	45.50	4.20	179.00	0.00	20.00	72.90	333.20	408.10
Chhukha	127.00	0.00	8582.50	0.00	13.50	402.20	147.25	664.15
Dagana	112.10	0.50	5012.00	3.31	62.00	329.30	65.25	554.95
Gasa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Haa	108.90	0.00	10107.75	0.00	81.00	114.00	80.75	211.15
Lhuntse	0.00	0.00	14520.00	0.00	0.00	70.70	12.50	88.70
Monggar	342.50	0.00	10093.00	0.00	0.00	781.80	142.50	1489.30
Paro	949.00	20.10	132028.50	0.00	2729.05	1793.90	1139.40	3689.00
Pema Gatshel	0.50	0.00	0.00	0.00	0.00	78.10	35.75	123.85
Punakha	250.80	6.80	75014.25	0.26	27.50	312.90	201.65	586.15
Samdrup Jongkhar	0.00	0.00	1000.00	0.00	0.00	2.00	4.00	6.00
Samtse	7.80	0.00	4502.00	0.00	30.50	12.00	2.50	19.50
Sarpang	34.00	0.00	20010.00	0.00	23.80	251.50	212.50	620.00
Thimphu	70.00	0.00	18000.00	0.00	0.00	1841.70	696.25	3894.75
Trashig Yangtse	90.00	50.00	30934.50	0.00	38.10	269.00	193.00	476.50
Trashigang	589.60	0.50	35273.25	0.47	2967.95	502.10	304.40	1029.00
Trongsa	12.80	0.00	20033.00	0.00	0.60	66.00	0.75	80.75
Tsirang	12.00	5.00	20512.50	0.30	30.00	55.00	32.25	110.25
Wangdue Phodrang	318.40	9.60	52418.25	0.40	33.90	1039.10	5194.45	6872.65
Zhemgang	11.00	1.00	0.00	0.00	0.00	123.30	26.00	152.00

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

Table 5.1.3: Distribution of Fertilizer by Dzongkhag, 2017/2018 - 2020/2021

Dzongkhag	2017/2018										2018/2019										(Volume in MT)	
	Single super phosphate					Calcium Ammonium Nitrate (CAN)					Single super phosphate					Diammonium phosphate (DAP)						Calcium Ammonium Nitrate (CAN)
	Suphala	Urea	Muriate potash	Bone meal	Borax	Suphala	Urea	Muriate potash	Bone meal	Borax	Suphala	Urea	Muriate potash	Bone meal	Borax	Suphala	Urea	Muriate potash	Bone meal	Borax		
Bumthang	33.55	89.50	0.00	0.00	0.00	0.00	0.00	49.94	146.49	298.40	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chhukha	176.96	37.40	4.80	0.00	0.00	0.00	0.45	66.57	106.02	0.00	0.00	0.00	1.15	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.25	0.25
Dagana	1.25	0.75	0.00	0.00	0.00	0.00	0.00	11.19	7.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gasa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Haa	16.00	8.50	0.00	0.00	0.00	0.00	0.00	15.65	12.52	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lhuentse	5.30	6.50	0.00	0.00	0.00	0.00	0.00	0.10	110.38	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Monggar	49.50	111.05	0.00	0.00	0.00	0.00	0.00	44.84	149.07	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paro	128.65	150.80	82.00	1.20	0.00	0.00	0.10	109.55	86.21	32.55	1.75	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pema Gatshel	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Punakha	90.65	130.89	10.00	0.05	0.00	0.00	0.00	106.23	123.61	9.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Samtse	2.90	3.60	0.00	0.00	0.00	0.00	0.00	1.79	3.99	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.25
Sarpang	6.65	15.50	1.60	0.10	0.15	0.00	0.00	4.20	15.84	2.75	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Samdrup Jongkhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Thimphu	140.65	55.20	53.95	9.75	0.75	0.15	0.15	113.67	78.78	40.35	1.80	0.15	0.20	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trashigang	73.30	445.20	28.85	0.15	0.00	0.00	0.00	107.15	170.44	21.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tashi Yangtse	49.55	89.50	0.00	0.00	0.00	0.00	0.00	36.15	143.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trongsa	9.00	6.85	0.00	0.00	0.00	0.00	0.00	12.00	11.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tsirang	4.00	12.00	0.00	2.78	0.00	0.00	0.00	9.32	17.57	0.00	0.00	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wangdue Phodrang	588.35	105.00	26.05	0.60	0.00	0.00	0.00	507.10	90.14	145.20	0.80	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Zhemgang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	1,378.26	1,268.24	207.25	14.63	0.90	0.15	0.70	1,195.49	1,274.00	550.65	4.55	2.20	1.55	0.41	0.50							
Source: National Plant Protection Centre, Department of Agriculture, MoAF																						

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

Table 5.1.3: Distribution of Fertilizer by Dzongkhag, 2017/2018 - 2020/2021

Dzongkhag	2019/2020					2020/2021					(Volume in MT)	
	Diammonium phosphate (DAP)					Diammonium phosphate (DAP)						
	Suphala	Urea	Single super phosphate	Muriate potash	Diammonium phosphate (DAP)	Borax	Suphala	Urea	Single super phosphate	Muriate potash		Borax
Bumthang	41.40	143.36	280.00	0.00	0.00	0.00	52.94	199.44	351.45	0.35	0.00	0.00
Chhukha	175.45	117.36	0.00	0.00	0.00	0.00	254.30	118.95	5.10	0.05	0.00	0.90
Dagana	18.50	9.77	0.00	0.00	0.00	0.00	13.20	6.84	0.00	0.00	0.00	0.00
Gasa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Haa	0.00	19.98	0.00	0.00	0.00	0.00	21.00	17.55	2.50	0.00	0.00	0.00
Lhuentse	11.00	62.91	0.25	0.00	0.00	0.00	18.65	25.11	0.35	0.00	0.00	0.00
Monggar	58.95	58.86	4.20	0.00	0.00	0.00	53.05	34.34	14.20	0.00	0.00	0.00
Paro	174.25	126.45	3.50	0.00	0.00	0.00	298.55	147.02	7.70	1.60	0.15	0.00
Pema Gatsel	8.75	1.31	0.00	0.00	0.00	0.00	0.00	5.13	0.00	0.00	0.00	0.00
Punakha	96.25	134.85	14.00	0.00	0.00	0.00	97.44	151.16	17.95	0.00	0.00	0.00
Samtse	0.00	0.00	0.00	0.00	0.00	0.00	4.05	3.51	0.00	0.00	0.00	0.00
Sarpang	4.95	7.65	1.00	0.00	0.00	0.00	4.50	27.05	0.50	1.00	0.00	0.00
Samdrup Jongkhar	3.50	16.02	0.70	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Thimphu	46.50	143.82	0.00	0.00	0.00	0.00	136.30	71.88	45.95	4.15	0.18	0.00
Trashigang	179.35	99.72	59.65	1.50	0.00	0.00	243.80	101.39	42.25	0.00	0.00	0.00
Tashi Yangtse	271.85	372.56	57.20	0.00	0.00	0.00	62.51	28.85	3.50	0.00	0.00	0.00
Trongsa	17.85	10.89	0.00	0.00	0.00	0.00	21.40	13.86	0.00	0.00	0.00	0.00
Tsirang	5.60	9.86	0.00	0.00	0.00	0.00	10.05	9.77	0.60	0.00	0.00	0.00
Wangdue Phodrang	652.35	113.09	170.60	0.00	0.00	0.00	563.75	119.28	183.20	1.75	0.00	0.00
Zhemgang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	1,766.50	1,448.43	591.10	1.50	0.40	0.46	1,855.49	1,081.10	675.25	8.40	0.33	0.90

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

Table 5.1.4: 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 Gatsel	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
Zhemgang	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 5.1.5: Cultivated area, Production and Yield of Cereal Crops, 2017 - 2021

Crops	2017		2018		2019		2020		2021	
	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)
Paddy	51,368	86,385	37,268	63,890	30,314	49,948	31,328	54,088	24,055	40,508
Maize	66,042	94,052	36,836	55,259	32,485	46,235	27,945	40,965	20,289	30,939
Wheat	5,259	3,833	2,819	1,445	2,481	1,319	2,457	1,623	2,286	1,169
Buckwheat	5,817	3,480	4,647	1,991	5,116	2,350	4,949	2,701	3,782	1,855
Barley	3,421	2,005	1,715	929	1,957	1,026	1,764	1,123	1,605	857
Millet	3,623	1,739	2,760	1,071	2,686	1,241	2,690	1,613	2,273	1,122
Quinoa	73	9	114	21	308	83	223	102	89	37

Source: Agricultural Statistics Division, NSB

Table 5.1.6: Cultivated area and Production of Cereal Crops by Dzongkhag, 2021

Dzongkhag	Irrigated Paddy			Upland Paddy			Maize			Wheat			Buckwheat		
	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)	Harvested Area (acres)	Production (MT)	Harvested Area (acres)	Production (MT)	Harvested Area (acres)
Bumthang	108.7	165.0	...	...	...	0.3	338.1	175.2	603.2	303.9	...	...	...	...	...
Chhukha	907.5	1,539.7	45.5	30.3	1,153.5	1,446.5	165.3	79.4	295.7	122.0	...	...	...	...	...
Dagana	1,862.6	2,450.7	29.5	7.6	1,717.4	2,001.3	35.2	12.3	189.5	86.1	...	...	...	...	...
Gasa	95.9	129.4	...	...	...	0.1	36.4	22.9	...	...	...	...	...	...	...
Haa	72.3	87.2	6.8	2.6	92.9	112.0	293.5	149.2	233.0	117.1	...	...	...	...	...
Lhuentse	732.2	1,344.2	40.8	37.7	742.2	1,241.2	6.7	2.7	0.5	0.3	...	...	...	...	...
Monggar	474.6	554.9	25.2	19.4	3,179.7	4,369.0	26.6	16.7	82.4	37.6	...	...	...	...	...
Paro	1,943.9	5,174.3	2.3	...	18.9	9.9	352.3	176.1	66.2	33.7	...	...	...	...	...
Pema Gatshel	8.3	7.8	6.4	1.4	1,550.3	4,204.5	5.0	3.0	77.9	47.4	...	...	...	...	...
Punakha	3,085.0	6,509.6	7.0	8.2	117.0	147.8	200.4	109.5	57.8	28.6	...	...	...	...	...
Samdrup Jongkhar	1,333.4	2,143.3	26.3	5.0	1,990.9	2,750.3	13.3	6.7	595.3	334.5	...	...	...	...	...
Samtse	3,261.8	4,011.5	56.2	54.9	2,705.0	2,951.3	42.9	18.9	202.0	94.5	...	...	...	...	...
Sarpang	2,672.6	4,202.0	52.3	16.5	1,538.6	2,265.1	1.0	0.6	106.6	51.1	...	...	...	...	...
Thimphu	233.8	566.0	3.1	...	29.0	7.9	105.2	64.5	8.5	4.4	...	...	...	...	...
Trashigang	822.7	1,505.8	76.6	76.4	1,665.9	3,493.2	32.6	17.0	221.9	111.4	...	...	...	...	...
Trashiyangtse	538.6	1,014.9	63.0	69.6	622.3	1,520.9	0.5	0.3	9.2	4.1	...	...	...	...	...
Trongsa	989.1	1,574.0	13.9	14.3	267.8	467.3	148.1	76.8	317.4	147.8	...	...	...	...	...
Tsirang	1,450.5	1,855.4	44.6	0.6	1,516.8	1,923.4	25.3	10.4	121.9	38.0	...	...	...	...	...
Wangdue Phodrang	2,244.6	4,470.4	22.1	31.4	109.0	195.2	410.6	204.9	385.5	192.8	...	...	...	...	...
Zhemgang	625.4	774.8	70.1	51.1	1,271.7	1,831.5	47.3	22.1	207.2	100.3	...	...	...	...	...
TOTAL	23,463.4	40,080.8	591.7	427.1	20,289.3	30,938.6	2,286.1	1,168.9	3,781.6	1,855.3	...	...	...	...	...

Source: Agricultural Statistics Division, NSB

Table 5.1.6: Cultivated area and Production of Cereal Crops by Dzongkhag, 2021

Dzongkhag	Barley		Millet		Quinoa	
	Harvested Area (acres)	Production (MT)	Harvested Area (acres)	Production (MT)	Harvested Area (acres)	Production (MT)
Bumthang	284.3	148.2	1.2	1.0	0.3	0.2
Chhukha	41.8	20.2	323.0	147.8	3.5	1.4
Dagana	44.8	19.6	163.6	79.2	0.0	0.0
Gasa	88.4	78.3	...	...	...	...
Haa	45.1	21.9	33.1	17.4	0.2	0.1
Lhuentse	0.3	0.1	57.4	37.1	6.2	2.6
Monggar	339.8	176.6	16.3	7.5	10.1	4.2
Paro	105.7	55.7	2.9	2.1	...	...
Pema Gatshel	9.6	5.2	89.9	48.9	0.6	...
Punakha	28.5	14.5	1.4	0.7	2.7	1.2
Samdrup Jongkhar	52.4	29.4	72.3	34.6	2.8	1.3
Samtse	9.8	3.6	570.5	273.2	12.9	4.3
Sarpang	0.7	0.2	401.2	209.7	3.0	1.1
Thimphu	43.1	21.7	1.0	0.6	...	...
Trashigang	66.4	36.9	34.8	18.0	29.2	14.9
Trashigang Yangtse	6.0	3.4	184.6	104.3	2.0	0.7
Trongsa	281.5	145.2	36.2	17.2	2.3	1.0
Tsirang	3.3	1.0	154.8	65.2	5.9	0.6
Wangdue Phodrang	140.6	70.2	16.9	7.7	1.8	1.0
Zhemgang	12.9	5.3	112.0	49.9	5.1	2.5
TOTAL	1,604.8	857.2	2,273.0	1,122.1	88.6	37.1

Source: Agricultural Statistics Division, NSB

Table 5.1.7: Fruit Bearing Tree and Production by Type, 2017 - 2021

Fruits	2017			2018			2019			2020			2021		
	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)	Bearing Trees (Number)	Production (MT)	Bearing Trees (Number)	Production (MT)	Bearing Trees (Number)
Apple	258,215	8,039.0	208,124	3,684.4	197,196	4,321.4	191,617	4,056.1	134,004	2,323.8					
Apricot	360	8.0	680	16.3	704	15.2	921	35.9	2,160	40.8					
Areca nut	895,579	9,342.0	1,218,752	11,680.6	1,510,628	16,106.9	1,528,064	17,445.7	1,793,252	21,376.6					
Avacado	1,455	43.0	2,466	58.1	3,103	61.2	5,017	111.8	6,555	73.5					
Banana	161,000	3,113.0	186,436	2,762.2	236,623	3,753.7	206,099	3,149.8	263,506	3,173.6					
Date plum	1,128	23.0	883	13.8	1,400	19.1	...	...	...	...					
Dragon fruits	...	...	40	0.1	59	0.2	131	0.4	236	0.7					
Guava	36,189	1,084.0	38,851	895.1	49,738	1,368.9	45,640	1,062.1	43,864	823.6					
Hazelnut	...	...	12,314	2.4	42,420	3.1	53,105	6.4	61,814	14.2					
Jackfruit	3,088	528.0	3,371	565.5	3,286	469.2	3,401	284.8	3,272	365.6					
Kiwi	...	...	836	2.9	1,954	19.6	3,069	28.4	4,084	50.8					
Lemon & Lime	...	...	6,348	90.7	7,015	125.8	7,703	115.2	10,718	139.1					
Litchi	10,456	313.0	12,142	302.6	13,515	384.7	17,210	329.3	20,140	390.6					
Mandarin	864,608	28,017.0	869,140	26,527.5	960,851	27,529.5	858,519	25,660.8	808,205	15,966.4					
Mango	17,273	530.0	29,514	848.3	25,641	665.7	32,519	819.1	27,892	530.5					
Papaya	7,853	278.0	7,722	161.1	9,357	215.7	9,776	205.8	8,562	164.1					
Passion fruit	...	94.0	...	...	...	...	...	...	3,144	51.1					
Peach	25,865	1,124.0	30,456	1,135.2	34,315	1,245.9	35,283	1,061.2	25,120	633.4					
Pear	24,423	1,510.0	24,277	1,372.2	28,763	1,583.6	30,950	1,107.0	25,173	859.1					
Persimmon	4,305	152.0	3,992	207.1	4,665	234.6	5,028	206.8	3,712	97.5					
Pine apple	...	72.0	...	278.9	...	148.7	123,629	161.7	104,999	128.2					
Plum	9,571	482.0	10,784	531.7	11,449	585.1	12,282	438.7	8,610	257.5					
Pomegranate	4,500	74.0	4,895	59.0	5,523	78.9	5,280	79.8	4,804	62.8					
Sugarcane	...	...	...	100.9	...	396.3	...	...	...	...					
Walnut	10,646	239.0	10,247	223.1	9,469	256.1	9,210	219.0	8,708	178.7					
Watermelon ¹	...	...	...	32.7	...	66.5	...	53.5	60	156.0					

Notes: ¹ Harvested area for watermelon is in Acre.

Source: Agricultural Statistics Division, NSB

Table 5.1.8: Cultivated area and Production of Vegetables, Oilseeds, Spices, Pulses and Roots & Tubers, 2017 - 2021

Details	2017		2018		2019	
	Harvested Area (Acres)	Production (MT)	Harvested Area (Acres)	Production (MT)	Harvested Area (Acres)	Production (MT)
Vegetables						
Asparagus	201	79	154	160	264	79
Beans (fresh)	3,739	5,273	3,423	2,274	2,058	2,923
Bunching onion	...	...	...	...	243	179
Broccoli	1,056	1,371	781	846	751	864
Cabbage	3,551	10,562	1,792	4,036	1,737	6,069
Cauliflower	1,604	3,575	1,001	1,191	851	1,446
Carrot	530	787	415	782	540	1,374
Chilli	7,571	13,606	4,031	7,133	3,524	7,674
Corriander	...	...	277	146	255	120
Cucumber	...	1,948	561	1,541	247	2,691
Dally Chili	...	...	...	...	194	169
Egg-plant/ Brinjal	751	643	242	245	197	300
Green leaves	3,492	4,153	1,780	2,049	1,262	2,040
Lady Finger/ Okra	45	26	79	9	15	23
Onion bulb	594	489	394	305	141	155
Peas	1,003	859	642	567	451	685
Pumpkin/ squash/ gourds	...	5,204	986	3,870	569	6,043
Radish	3,533	6,307	1,644	3,649	1,238	4,721
Tomato	320	383	329	261	148	233
Tree tomato ¹	...	404	...	...	...	359
Turnip	1,804	13,051	1,433	9,097	1,465	9,293
Cultivated Mushroom	...	122	...	34	...	44
Oilseeds						
Groundnut	437	246	267	197	378	230
Mustard	2,697	969	1,103	244	1,664	394
Pyrilla	249	108	...	...	...	...
Sesame	...	...	3	1	4	1
Soya bean	867	204	377	107	621	171
Sunflower	23	3	8	2	32	8
Spices						
Cardamom	13,880	2,245	21,395	1,542	15,615	1,413
Garlic	1,411	708	874	550	770	761
Ginger	3,809	7,859	2,156	4,260	2,386	6,209
Tumeric	...	...	...	...	70	92
Pulses						
Beans dry	...	...	...	...	929	407
Lentil	...	...	617	138	297	55
Mung bean	922	298	...	...	1,307	464
Rajma bean/ Kidney Bean	2,236	932	...	...	1,501	666
Roots and Tubers						
Collocacia /Taro	...	...	140	92	127	210
Ground apple	...	...	...	...	61	211
Potato	12,824	57,223	11,131	44,278	10,342	43,560
Sweet potato	203	80	64	32	62	48
Tapioca/Cassava	320	306	389	448	329	484

Note: ¹ Number of bearing tree

Source: Agricultural Statistics Division, NSB

Table 5.1.8: Cultivated area and Production of Vegetables, Oilseeds, Spices, Pulses and Roots & Tubers, 2017 - 2021

Details	2020		2021	
	Harvested Area (Acres)	Production (MT)	Harvested Area (Acres)	Production (MT)
Vegetables				
Asparagus	206	127	181	178
Beans (fresh)	2,544	3,169	1,611	2,096
Bunching onion	307	268	247	227
Broccoli	1,107	1,727	871	1,156
Cabbage	2,072	7,830	1,320	3,763
Cauliflower	1,198	2,448	947	1,648
Carrot	677	1,787	438	874
Chilli	3,765	9,333	3,439	5,864
Corriander	295	301	171	136
Cucumber	499	1,970	540	1,194
Dally Chili	...	...	...	...
Egg-plant/ Brinjal	301	429	219	303
Green leaves	...	3,531	...	1,779
Lady Finger/ Okra	...	...	...	...
Onion bulb	203	216	415	419
Peas	603	749	386	482
Pumpkin/ squash/ gourds	...	7,918	...	5,695
Radish	2,406	5,234	1,176	2,576
Tomato	246	359	229	289
Tree tomato ¹	...	441	48,605	484
Turnip	1,584	10,385	1,244	3,162
Cultivated Mushroom	...	112	...	...
Oilseeds				
Groundnut	274	313	157	48
Mustard	1,746	538	1,159	331
Pyrilla	177	61	113	26
Sesame	...	...	...	...
Soya bean	540	234	266	90
Sunflower	11	8	7	3
Spices				
Cardamom	13,696	2,175	11,599	1,609
Garlic	570	691	255	240.25
Ginger	3,721	8,890	3,080	7,154
Tumeric	156	187	177	203
Pulses				
Beans dry	875	485	723	320
Lentil	342	91	39	15
Mung bean	1,084	382	1,032	381
Rajma bean/ Kidney Bean	1,594	850	681	363
Roots and Tubers				
Collocacia /Taro	164	244	110	147
Ground apple	121	236	73	146
Potato	10,342	45,500	8,244	38,573
Sweet potato	66	67	52	53
Tapioca/Cassava	319	608	213	389

Note: ¹ Number of bearing tree

Source: Agricultural Statistics Division, NSB

Table 5.1.9: Average Retail Price of Farm Products at Centenary Farmers' Market (CFM), Thimphu by Type, 2017 - 2021

(Nu. per kg)					
Farm Products	2017	2018	2019	2020	2021
Vegetables					
Asparagus	146.09	238.27	384.00	122.95	268.00
Bamboo shoot	100.00	125.00	130.00	...	130.00
Bean (Flat Type)	139.39	122.41	125.00	130.00	151.00
Bean (Round Type)	135.90	122.30	125.00	130.00	151.00
Bean (Long Type)	...	...	125.00	130.00	151.00
Bitter Gourd	97.61	85.38	140.00	95.36	89.00
Brinjal	75.66	55.53	115.00	...	73.00
Broccoli	90.20	90.94	170.00	103.05	96.00
Cabbage	45.15	39.75	50.00	41.25	44.00
Carrot	76.85	80.74	90.00	71.65	77.00
Cauliflower	149.46	138.30	120.00	128.15	132.00
Chilli dry (Big)	159.14	198.15	725.00	223.63	222.00
Chilli dry (Small)	206.25	252.30	190.00	320.11	335.00
Coriander	30.00	30.00	35.00	35.00	30.00
Cucumber	83.17	71.87	80.00	77.09	85.00
Garlic	224.76	184.60	215.00	291.85	259.00
Ginger	122.25	120.93	160.00	173.69	94.00
Mushroom (Oyster)	...	117.69	305.00	...	256.00
Mushroom (shitaake)	747.62	673.81	430.00	...	450.00
Onion	67.20	53.95	83.00	74.02	58.00
Peas	104.43	100.49	145.00	150.00	116.00
Potato	38.42	35.62	50.00	45.22	43.00
Pumpkin	46.20	42.61	63.00	46.22	45.00
Radish	40.36	38.70	45.00	35.46	42.00
Spinich (saag)	63.72	66.52	40.00	60.00	40.00
Squash	57.18	43.20	65.00	65.00	60.00
Tomato	90.11	72.09	90.00	88.14	85.00
Turnip	49.40	93.13	40.00	35.98	40.00
Fruits					
Apple	130.00	210.51	150.00	167.00	198.00
Avocado	352.25	333.29	375.00	446.00	515.00
Banana(dozen)	82.39	76.93	80.00	53.00	111.00
Cucumber	83.00	72.00	80.00	...	85.00
Guava	88.24	84.29	140.00	...	110.00
Lemon	150.00	162.25	145.00	...	...
Mango	138.33	142.19	205.00	169.00	219.00
Orange	123.79	171.46	170.00	98.00	156.00
Papaya	85.57	96.94	150.00	...	120.00
Passion Fruit	100.00	234.50	200.00	...	...
Pear	137.39	177.92	175.00	...	170.00
Pineapple (pcs)	61.03	66.19	75.00	...	75.00

Source: Department of Agriculture Marketing and Cooperatives, MoAF

Table 5.1.10: Price of Seeds and Seedling, 2017 - 2021

Cereals and Oil Seeds	Unit	2017	2018	2019	2020	2021
Maize (Y/pa, S/phangma, C/karpa)	5 kg/bag	30.00	...	30.00	56.80	30.00
Maize (P3377)	2 kg/pkt	290.00	290.00	267.00	267.00	267.00
Maize (P344)	2 kg /pkt	290.00	290.00	...	...	...
Paddy (BRK-1 & 2, BK-1 & 2)	20 kg/bag	35.00	35.00	40.00	40.00	40.00
Paddy (Bajo Maap)	20 kg/bag	50.00	...	50.00	50.00	50.00
Paddy (Bajo kaap-1&2 & IR-64)	20 kg/bag	40.00	...	45.00	45.00	45.00
Paddy (No.K/Map, YRK-1 & 2 and Yrm)	20 kg/bag	60.00	68.00	71.00	71.00	71.00
Wheat (Sonalika, Baj & Agreeem)	20 kg/bag	35.00	38.00	38.00	...	...
Dhaincha	20 kg/bag	60.00	...	61.00	61.00	61.00
Mustard (M-27)	5 kg /Bag	90.00	90.00	90.00	90.00	90.00
Soya bean (Lebi -1)	10 kg/bag	85.00	...	86.00	86.00	86.00
Vegetable Seeds						
Beans (Top crop/borlотно)	50 gm/pkt	10.00	11.00	13.00	14.00	18.00
Beetroot (DDR)	10 gm/pkt	10.00	13.00	15.00	15.00	15.00
Bitter Gourd (Hybrid)	10 gm/pkt	25.00	...	32.00	32.00	32.00
Bottle Gourd (Hybrid)	10 gm/pkt	25.00	...	32.00	32.00	32.00
Brinjal (PP Long)	10 gm/pkt	15.00	...	15.00	15.00	15.00
Broccoli (Centauro)	10 gm/pkt	310.00	...	226.00	255.00	255.00
Broccoli (Dessico - OP)	10 gm/pkt	10.00	10.00	13.00	13.00	13.00
Bunching Onion (No-21)	10 gm/pkt	25.00	25.00	25.00	25.00	25.00
Cabbage (Hybrid)	10 gm/pkt	205.00	...	149.00	156.00	...
Cabbage (Golden Acre)	10 gm/pkt	40.00	29.00	32.00	41.00	...
Carrot (ASC - Hybrid)	10 gm/pkt	115.00	86.00	95.00	...	...
Carrot (N. Kuroda)	10 gm/pkt	20.00	20.00	22.00	22.00	22.00
Cauliflower (Hybrid)	10 gm/pkt	255.00	172.00	177.00	202.00	...
Cauliflower (K.early/K.late)	10 gm/pkt	15.00	17.00	19.00	19.00	...
Chilli-IR-8 (Indian)	10 gm/pkt	10.00	10.00	13.00	13.00	13.00
Chilli (Sha ema))	10 gm/pkt	10.00	...	20.00	20.00	20.00
Chinese Cabbage	10 gm/pkt	10.00	10.00	13.00	13.00	13.00
Coriander (Local)	10 gm/pkt	15.00	15.00	15.00	15.00	15.00
Cucumber (Frontier)	10 gm/pkt	100.00	100.00	100.00	100.00	100.00
Cucumber (S. Genchu)	10 gm/pkt	15.00	17.00	23.00	23.00	23.00
Cucumber (santon No 1)	10 gm/pkt	25.00	28.00	29.00	29.00	29.00
Garlic (Local)	10 gm/pkt	195.00	...	195.00	195.00	195.00
Ginger (Local)	10 gm/pkt	100.00	...	100.00	...	...
Japanese Green (Mibuna)	10 gm/pkt	10.00	10.00	15.00	15.00	15.00

Table 5.1.10: Price of Seeds and Seedling, 2017 - 2021

Cereals and Oil Seeds	Unit	2017	2018	2019	2020	2021
Japanese Green (Taisai)	10 gm/pkt	10.00	10.00	15.00	15.00	15.00
Ladies Finger (PS)	10 gm/pkt	15.00	17.00	18.00	18.00	18.00
Lettuce (Great Lake)	5 gm/pkt	20.00	25.00	29.00	29.00	29.00
Sag (Him Beauty)	10 gm/pkt	10.00	14.00	15.00	15.00	...
Onion (OP/ B-Red)	10 gm/pkt	20.00	20.00	22.00	22.00	22.00
Onion (Pune Red)	10 gm/pkt	25.00	25.00	25.00	25.00	25.00
Peas (Mr. Rig). Hybrid	50 gm/pkt	10.00	11.00	13.00	13.00	13.00
Peas (Usui/Arkel)	50 gm/pkt	10.00	11.00	13.00	13.00	13.00
Beans (Pole bean white)	50 gm/pkt	10.00	11.00	...	18.00	18.00
Pumpkin (T-Kabuta)	10 gm/pkt	10.00	13.00	15.00	15.00	15.00
Radish (Ivory white)	10 gm/pkt	10.00	10.00	11.00	11.00	...
Radish (Minowase)	10 gm/pkt	10.00	10.00	13.00	13.00	13.00
Radish (Tokinashi)	10 gm/pkt	15.00	19.00	20.00	11.00	20.00
Spinach All (Green/Beet)	10 gm/pkt	10.00	10.00	13.00	20.00	13.00
Squaush (Zucchini)	10 gm/pkt	10.00	14.00	15.00	13.00	15.00
Tomato (PS-61)	5 gm/pkt	110.00	121.00	122.00	122.00	122.00
Tomato (Ratan/Roma)	5 gm/pkt	15.00	17.00	18.00	18.00	18.00
Turnip (PTWG)	10 gm/pkt	10.00	13.00	13.00	13.00	13.00
Water melon (Sugar Baby)	10 gm/pkt	15.00	18.00	22.00	22.00	22.00
Water melon (Hybrid)	10 gm/pkt	330.00	330.00	...	...	...
Potato Red (Desiree)	50 kg/bag	27.00	...	27.00	32.00	...
Potato White varieties	150 kg/bag	25.00	...	26.00	26.00	...
Temperate fruit seedlings						
Almond (Kagzi)	Number	90.00	90.00	100.00	100.00	100.00
Apple (All Varieties)	Number	80.00	80.00	90.00	90.00	90.00
Apricot (Shakharpara)	Number	90.00	90.00	100.00	100.00	100.00
Asparagus seedlings (MW)	Number	4.00	4.00	4.00	4.00	4.00
Cherry (Seneka/Jabouny)	Number	80.00	90.00	95.00	90.00	90.00
Chestnut (Jeuphu-1)	Number	50.00	50.00	60.00	60.00	60.00
Peach (N-wase/S-Hakuto)	Number	90.00	90.00	100.00	100.00	100.00
Pear (Hosui/Kosui/Chujoro/William)	Number	75.00	75.00	96.00	96.00	96.00
Persimmon (Fuyu/Jiro)	Number	110.00	110.00	125.00	125.00	125.00
Plum (Santarosa/Stanley)	Number	90.00	90.00	100.00	100.00	100.00
Straw berry (Chandler)	Number	7.00	7.00	9.00	9.00	9.00
Walnut (Grafted – Kagzi)	Number	185.00	185.00	205.00	205.00	205.00

Table 5.1.10: Price of Seeds and Seedling, 2017 - 2021

Cereals and Oil Seeds	Unit	2017	2018	2019	2020	2021
Subtropical fruit seedlings						
Areca nut (Bhur S-1)	Number	40.00	40.00	55.00	55.00	55.00
Avocado (Hasa/Pink caton)	Number	135.00	135.00	150.00	150.00	...
Banana (Chinichampa/Jahaji)	Number	40.00	40.00	50.00	50.00	50.00
Cardamom (Seedling multiplied)	Number	9.00	9.00	10.00	10.00	10.00
Cardamom (through seeds)	Number	13.00	...	...	10.00	...
Mandarin Orange (grafted)	Number	90.00	...	...	...	...
Mandarin Orange (seedlings)	Number	35.00	35.00	50.00	50.00	...
Gauva (L-49)	Number	45.00	45.00	45.00	45.00	45.00
Jack fruit (Bhur S-1)	Number	15.00	15.00	21.00	21.00	21.00
Litchi (E-Bedana/Shahi)	Number	60.00	60.00	75.00	75.00	75.00
Mango graft (Langra/DS/AP/CH)	Number	75.00	75.00	85.00	85.00	85.00
Papaya	Number	15.00	15.00	23.00	23.00	23.00
Passion fruit (Local)	Number	15.00	15.00	20.00	20.00	20.00
Pine apple (Sugar baby)	Number	35.00	35.00	25.00	25.00	25.00
Pomegranate (Bedana)	Number	30.00	30.00	50.00	50.00	50.00

Source: National Seed Centre, MoAF

Table 5.1.11: Price of Plant Protection Chemicals and Fertilizer, 2017 - 2021

Category	PP Chemicals	Unit	2017	2018	2019	2020	2021
Insecticides	Alphacypermethrin	1000 ml	299.0	...	...	...	...
	Chlorpyrifos 20 EC	100 ml	32.0	32.0	35.0	38.0	38.0
	Cypermethrin 10 EC	100 ml	28.0	32.0	30.0	32.0	32.0
	Dimethoate 30 EC	100 ml	38.0	38.0	...	...	...
	Fenvelerate 0.4D	1 kg	32.0	52.0	42.0	47.0	...
	Malathion 50 EC	100 ml	...	...	40.0	55.0	48.0
Fungicides	Captan 50 WP	500 gms	247.0	...	82.0	113.0	113.0
	Carbendazim 50 WP	250 gms	96.0	96.0	109.0	108.0	112.0
	Copper Oxychloride 50 WP	100 gms	47.0	47.0	42.0	...	42.0
	Hexaconazole 5 EC	100 ml	34.0	34.0	...	36.0	34.0
	Mancozeb 75 WP	250 gms	...	74.0	68.0	66.0	74.0
	Metalaxyl 8% + Mancozeb 64 %	100 gms	53.0	...	49.0	...	444.0
	Sulphur 80 WP	250 gms	131.0	95.0	...	42.0	44.0
	Tricyclazole 75 WP	100 gms	102.0	...	...	...	1,292.0
Herbicides	Butachlor 5 G	20 kg	37.0	...	...	41.0	48.0
	Glyphosate 41 SL	500 ml	129.0	124.0	131.0	134.0	179.0
	Metribuzim 70 WP	100 gms	104.0	...	568.0	508.0	284.0
Rhodentocides	Zinc Phosphide	10 gms	13.0	13.0	13.0	...	761.0
Non-toxic/ Bio-pesticides	Azadirachtin 0.3%	100 ml	58.0	...	60.0	...	121.0
	Orchard sprays Oil/Tree spray oil/Horticulture Mineral oil	100 liters	157.0	...	...	56.0	174.0
	Stiker/Spreader/Activator	250 ml	67.0	65.0	59.0	270.0	53.0
Fertilizers	Urea (46 % N)	50 Kg pack	938.0	983.0	885.0	885.0	885.0
	Urea (46% N)	10 Kg pack	220.0	218.0	218.0	218.0	218.0
	Suphala (NPK 15:15:15)	50 Kg pack	1,870.0	1,876.0	1,876.0	1,876.0	1,876.0
	Suphala (NPK 15:15:15)	20 Kg pack	780.0	775.0	775.0	775.0	775.0
	Suphala (NPK 15:15:15)	10 Kg pack	400.0	396.0	...	...	...
	Suphala (NPK 15:15:15)	5 Kg pack	205.0	204.0	...	...	...
	Single Superphosphate-SSP (16% P ₂ O)	50 Kg pack	985.0	977.0	977.0	977.0	977.0
	Bone Meal	50 Kg pack	2,840.0	2,065.0	2,065.0	2,065.0	2,065.0
	Muriate of potash-MOP (60% K ₂ O)	50 Kg pack	2,145.0	2,132.0	2,132.0	2,132.0	2,132.0
	Borax (20% Boron minimum)	5 Kg pack	945.0	938.0	938.0	938.0	938.0
	Diammonium phosphate-DAP (18%N 46%P ₂ O)	50 Kg pack	2,405.0	...	...	...	2,405.0
	Calcium Ammonium Nitrate-CAN	50 Kg pack	1,335.0	...	...	...	...

Source: National Plant Protection Centre, MoAF

Table 5.2.1: Number of Livestock by Type, 2017 - 2021

Animal breed	2017	2018	2019	2020	2021
Livestock					
Brown Swiss pure breed	104	17	25	133	346
Brown Swiss cross breed	4,569	3,929	4,270	4,112	4,638
Buffalo	550	531	477	398	385
Doeb-Doebum	12,676	11,950	9,689	9,290	7,244
Doethra-Doethram	12,597	12,357	11,652	11,248	14,084
Holsten-Friesian breed	770	1,046	1,183	1,056	1,007
Jaba	1,682	2,204	2,212	2,443	4,008
Jatsha-Jatsam	33,886	33,301	32,473	27,009	26,951
Jersey Pure breed	4,172	4,644	4,399	4,674	6,967
Jersey Cross breed	98,666	103,012	109,684	108,676	109,167
Mithun	502	418	453	390	347
Nublang-Thrabum	103,524	97,274	98,277	86,807	98,840
Yaks	41,528	41,463	41,918	40,897	38,642
Yangku-Yangkum	30,604	29,182	28,725	25,567	22,192
Zo-zoms	8,806	9,581	9,904	10,680	11,161
Other Livestock					
Equine	18,211	16,820	16,792	14,649	12,418
Pig	18,815	21,200	20,070	17,577	22,954
Poultry	1,118,178	1,099,493	1,299,810	1,383,714	1,384,449
Sheep	10,444	10,786	11,466	10,793	10,694
Goat	42,689	43,839	47,735	44,119	59,577

Note: Figure includes the number of livestock in Livestock Government Farms.

Source: Agricultural Statistics Division, NSB

Table 5.2.2: Number of Livestock by Type and Dzongkhag, 2017 - 2021

Dzongkhag	Brown Swiss Pure					Brown Swiss cross					Buffalo				
	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
Bumthang	...	1	7	27	61	2,225	1,603	2,005	2,023	2,732	...	...	...	...	...
Chhukha	...	1	2	1	1	...	5	...	...	14	10	2	2	...	...
Dagana	...	...	...	...	...	...	...	...	...	...	40	38	15	17	16
Gasa	13	...	...	...	4	91	113	118	63	35	...	...	...	...	...
Haa	...	...	1	...	3	1	1	...	...	12	...	...	...	...	...
Lhuentse	1	...	...	26	8	408	381	351	413	85	...	...	...	...	...
Monggar	81	...	6	66	101	194	210	228	165	186	...	...	...	...	...
Paro	...	...	...	...	20	76	39	29	11	132	...	...	...	...	...
Pema Gatshel	...	...	...	...	4	12	11	10	7	7	...	...	...	...	...
Punakha	1	1	1	4	1	51	49	47	35	57	...	...	...	...	...
Samdrup Jongkhar	1	...	...	...	...	...	...	3	...	1	12	9	4	1	6
Samtse	...	3	3	...	...	1	12	10	9	2	279	289	225	230	232
Sarpang	1	9	1	4	...	92	54	50	4	12	73	57	79	31	33
Thimphu	...	1	1	...	1	1	1	...	...	1	...	...	...	...	...
Trashigang	...	...	...	...	7	28	18	24	16	24	...	...	...	...	...
Trashiyangtse	...	...	2	...	2	...	...	...	...	16	...	...	...	...	...
Trongsa	...	1	...	...	71	226	231	129	85	347	...	...	...	...	...
Tsirang	6	...	...	...	3	10	1	...	2	...	136	155	150	119	98
Wangdue Phodrang	...	...	1	5	59	1,109	1,154	1,141	1,176	921	...	...	...	...	...
Zhemgang	...	...	...	...	...	10	10	6	46	...	...	...	...	...	...
Total	104	17	25	133	346	4,535	3,893	4,151	4,055	4,584	550	550	475	398	385

Source: Agricultural Statistics Division, NSB

Table 5.2.2: Number of Livestock by Type and Dzongkhag, 2017 - 2021

Dzongkhag	Doeb-Doebum					Doethra-Doethram					Holsten-Friesian breed				
	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
Bumthang	784	667	669	429	892	54	32	42	6	150	3	6	5	12	10
Chhukha	80	138	222	118	149	155	176	185	145	390	169	229	227	145	218
Dagana	2,603	5,343	791	710	616	7,409	14,259	6,904	6,179	7,026	...	...	...	...	...
Gasa	57	46	39	4	2	54	38	35	9	6	...	...	...	...	...
Haa	...	10	6	18	194	...	...	...	5	73	2	16	17	16	16
Lhuentse	1,564	1,520	1,394	1,448	725	693	701	689	931	1,326	20	24	48	15	20
Monggar	1,657	1,359	1,513	1,267	519	926	1,288	983	482	1,647	33	45	37	41	14
Paro	106	224	131	319	45	99	167	62	579	410	56	35	29	14	32
Pema Gatshel	26	13	16	2	31	20	12	25	35	11	25	68	92	90	78
Punakha	271	292	325	278	135	224	270	314	424	71	...	...	...	4	7
Samdrup Jongkhar	367	320	320	174	248	189	250	269	111	464	78	59	55	65	52
Samtse	24	42	85	58	92	68	86	64	13	9	1	31	140	158	167
Sarpang	934	1,051	713	518	690	14	106	68	18	353	14	17	35	28	35
Thimphu	19	9	22	...	6	11	2	2	5	4	24	35	39	18	15
Trashigang	882	666	627	1,021	421	857	475	455	583	1,370	228	311	281	205	179
Trashigang Yangtse	215	114	82	970	1,242	27	37	13	27	87	38	47	60	93	59
Trongsa	498	514	553	562	211	253	236	225	93	28	2	2	...	...	...
Tsirang	5	2	...	...	87	6	...	...	36	401	...	20	38	70	44
Wangdue Phodrang	730	588	540	295	212	790	961	980	1,420	30	...	19	38	29	15
Zhemgang	1,854	1,671	1,641	1,099	727	748	349	337	147	228	...	2	4	6	10
Total	12,676	14,589	9,689	9,290	7,244	12,597	19,445	11,652	11,248	14,084	693	966	1,145	1,009	971

Source: Agricultural Statistics Division, NSB

Table 5.2.2: Number of Livestock by Type and Dzongkhag, 2017 - 2021

Dzongkhag	Jaba					Jatsha-Jatsam					Jersey Pure breed				
	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
Bumthang	...	...	...	...	...	932	881	939	859	564	7	33	36	13	36
Chhukha	1	...	...	...	...	1,728	1,923	1,823	1,915	1,565	461	724	560	57	521
Dagana	...	...	...	349	...	744	1,277	574	545	505	145	298	144	218	156
Gasa	4	...	...	...	37	75	76	95	135	48	2	2	4	...	120
Haa	...	...	...	...	3	1,177	1,205	1,057	604	567	25	23	15	7	230
Lhuentse	9	10	9	2	86	2,583	2,487	2,594	2,573	1,754	6	8	10	178	470
Monggar	158	157	179	71	211	5,616	5,231	4,974	4,603	4,931	1,078	1,534	1,508	1,805	2,163
Paro	7	3	...	211	...	1,233	1,160	1,347	323	546	51	42	11	45	157
Pema Gatsel	88	105	21	48	104	704	617	506	427	590	53	28	22	43	225
Punakha	...	...	...	...	...	807	807	765	664	687	49	56	13	33	92
Samdrup Jongkhar	512	509	604	562	2,031	2,473	2,092	2,251	1,936	1,666	109	255	276	162	61
Samtse	3	639	645	82	152	280	323	384	367	254	671	715	907	738	637
Sarpang	651	544	506	251	370	1,771	1,971	1,697	363	638	416	468	472	342	396
Thimphu	...	...	...	...	...	228	71	71	44	46	7	73	75	54	154
Trashigang	197	145	210	781	916	6,028	6,184	5,942	5,357	6,292	753	44	42	32	270
Trashigang Yangtse	5	51	22	58	75	1,641	1,331	1,095	980	972	102	73	96	148	166
Trongsa	...	...	...	...	...	1,790	1,447	1,442	938	1,211	19	23	21	508	638
Tsirang	4	...	...	...	2	80	25	54	53	21	6	10	10	17	115
Wangdue Phodrang	...	...	...	...	...	1,847	2,053	2,289	1,898	1,690	61	79	80	149	270
Zhemgang	43	41	16	28	21	2,149	2,776	2,574	2,425	2,404	60	88	61	71	64
Total	1,682	2,204	2,212	2,443	4,008	33,886	33,937	32,473	27,009	26,951	4,081	4,576	4,363	4,620	6,941

Source: Agricultural Statistics Division, NSB

Table 5.2.2: Number of Livestock by Type and Dzongkhag, 2017 - 2021

Dzongkhag	Jersey Cross breed										Mithun					Nublang-Thrabum				
	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
Bumthang	4,669	5,038	5,701	5,461	3,634	7	5	6	1	1	1,685	1,558	1,407	1,135	700					
Chhukha	5,164	5,530	5,997	5,954	5,805	29	30	29	11	3	10,146	10,816	10,678	9,224	11,005					
Dagana	4,168	8,808	4,523	4,563	5,910	13	6	7	6	...	3,461	6,646	4,599	2,547	3,561					
Gasa	620	623	764	876	491	...	...	...	...	...	118	110	98	177	184					
Haa	3,487	3,720	3,636	3,155	3,324	...	2	2	1	5	3,831	4,050	3,195	3,210	2,706					
Lhuentse	2,950	3,116	3,297	3,433	3,184	16	20	18	14	11	2,066	1,980	1,983	2,379	1,460					
Monggar	7,698	7,927	8,850	8,976	9,099	23	25	23	27	20	3,063	3,072	2,995	3,131	1,579					
Paro	6,610	5,994	6,301	5,905	6,615	5	6	4	2	4	5,141	4,791	4,936	2,505	3,725					
Pema Gatshel	6,709	6,172	5,910	5,838	5,424	3	4	1	1	1	495	464	522	650	664					
Punakha	3,168	3,556	3,988	3,995	3,772	4	3	4	2	3	5,593	5,566	5,193	4,939	5,711					
Samdrup Jongkhar	5,449	7,134	7,651	7,980	8,036	50	21	26	19	22	2,834	2,347	2,182	2,149	1,316					
Samtse	6,538	6,950	7,349	7,783	8,380	31	10	8	14	3	23,639	21,974	22,873	24,040	31,443					
Sarpang	8,266	9,024	9,164	9,274	10,702	50	5	32	37	2	9,524	8,036	8,747	6,602	7,097					
Thimphu	2,981	2,450	2,517	2,047	1,545	...	...	...	...	...	1,631	998	1,036	871	1,011					
Trashigang	7,898	8,694	9,667	8,681	9,204	37	35	45	34	34	4,716	4,070	4,494	3,877	3,934					
Trashig Yangtse	3,860	3,665	3,943	4,585	4,046	14	11	11	7	2	4,487	4,089	3,727	2,725	2,739					
Trongsa	3,721	3,636	3,976	3,196	2,817	4	5	4	2	2	3,390	3,682	3,568	2,579	2,903					
Tsirang	6,700	7,179	7,574	7,784	8,017	1	1	1	3	...	4,496	4,109	3,776	2,783	3,642					
Wangdue Phodrang	4,965	5,429	5,582	5,889	5,733	13	13	13	4	11	12,206	11,486	11,403	10,133	12,352					
Zhemgang	2,814	2,636	3,047	3,006	3,110	12	19	8	11	12	704	438	528	836	868					
Total	98,435	107,281	109,437	108,381	108,848	312	221	242	196	136	103,226	100,282	97,940	86,492	98,600					

Source: Agricultural Statistics Division, NSB

Table 5.2.2: Number of Livestock by Type and Dzongkhag, 2017 - 2021

Dzongkhag	Yaks					Yangku-Yangkum					Zo-Zom				
	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
Bumthang	3,917	3,771	3,972	3,400	2,642	952	1,056	1,193	773	664	80	38	16	9	...
Chhukha	...	...	...	...	...	1,116	1,128	1,147	1,503	673	...	...	...	...	...
Dagana	...	...	...	...	...	323	601	258	188	317	...	...	...	...	...
Gasa	6,527	6,481	6,389	6,386	6,342	129	101	117	234	59	12	...	...	...	...
Haa	5,095	4,915	5,218	4,285	4,134	509	514	477	349	942	...	...	...	...	...
Lhuentse	335	273	288	239	243	3,168	3,183	3,153	2,595	1,993	91	89	99	64	61
Monggar	...	...	...	...	-	6,278	5,788	5,681	4,895	4,431	...	...	...	...	...
Paro	3,332	3,713	3,799	4,068	4,012	740	860	597	975	451	...	...	...	...	...
Pema Gatshel	...	...	...	...	...	740	761	673	436	296	...	...	...	...	...
Punakha	...	...	...	...	...	881	876	839	814	578	...	...	...	...	...
Samdrup Jongkhar	3	...	2	17	6	1,795	1,585	1,592	1,594	1,781	12	14	14	11	18
Samtse	...	...	...	...	...	232	236	312	256	282	...	...	...	...	...
Sarpang	...	...	...	...	...	1,167	1,385	1,301	678	469	...	...	...	...	...
Thimphu	10,768	10,657	10,552	10,871	10,933	109	54	62	19	21	...	...	...	...	...
Trashigang	6,483	6,670	6,683	7,427	6,576	4,143	3,933	4,021	4,208	4,081	8,611	9,440	9,775	10,502	10,795
Trashigang Yangtse	727	706	706	235	312	1,286	1,154	1,099	936	622	...	...	...	94	156
Trongsa	226	305	303	259	303	1,684	1,288	1,308	850	833	...	...	...	...	...
Tsirang	...	...	...	...	...	22	43	6	46	98	...	...	...	...	...
Wangdue Phodrang	4,115	3,972	4,006	3,710	3,139	1,598	1,935	1,889	1,361	1,102	...	...	...	...	130
Zhemgang	...	...	...	...	...	3,728	3,001	2,999	2,857	2,499	...	...	...	...	...
Total	41,528	41,463	41,918	40,897	38,642	30,600	29,482	28,724	25,567	22,192	8,806	9,581	9,904	10,680	11,160

Source: Agricultural Statistics Division, NSB

Table 5.2.2: Number of Livestock by Type and Dzongkhag, 2017 - 2021

Dzongkhag	Equine					Pig					Poultry				
	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
Bumthang	924	944	1,203	987	709	52	60	61	...	7	5,557	13,243	14,150	4,259	7,696
Chhukha	419	396	286	187	247	1,181	2,033	2,198	1,455	2,730	140,530	72,163	170,075	236,287	98,968
Dagana	344	573	265	183	154	2,528	5,080	2,278	1,820	3,605	32,358	90,563	55,077	61,572	86,461
Gasa	2,156	2,259	2,324	2,149	1,817	...	...	...	...	...	2,247	2,271	1,836	2,510	912
Haa	1,077	939	944	452	629	88	75	61	78	41	8,820	9,204	9,361	8,733	16,107
Lhuentse	1,236	1,193	1,177	1,017	892	185	177	91	138	27	19,987	24,343	26,693	26,120	33,225
Monggar	1,094	820	726	537	381	285	257	222	126	120	37,865	40,451	43,388	41,412	55,257
Paro	1,757	1,465	1,635	1,853	1,739	490	478	434	254	352	24,369	30,154	41,594	74,936	88,318
Pema Gatshel	321	253	159	137	72	523	445	311	283	127	23,718	21,864	26,492	25,592	32,713
Punakha	389	398	383	368	307	218	178	127	225	313	10,563	13,204	15,826	14,340	26,583
Samdrup Jongkhar	593	451	397	262	126	375	252	305	283	256	37,170	30,136	30,510	57,123	49,369
Samtse	355	341	302	240	85	1,724	1,939	2,197	1,896	3,891	101,773	119,516	150,237	153,660	202,962
Sarpang	482	429	376	222	131	3,710	4,277	4,074	3,650	4,347	345,573	305,576	336,769	305,819	290,678
Thimphu	1,675	1,795	2,037	2,034	1,734	174	182	222	305	260	35,618	49,910	49,684	49,070	38,929
Trashigang	2,475	2,151	2,070	1,732	1,300	285	288	189	99	91	20,049	21,895	24,459	32,632	38,344
Trashigang Yangtse	1,046	853	904	815	909	146	136	90	69	53	15,838	15,425	13,418	16,919	13,887
Trongsa	216	211	162	96	74	38	1	4	23	15	7,222	7,153	12,955	9,296	20,995
Tsirang	83	61	68	65	44	2,325	2,657	2,950	2,394	4,580	145,225	170,453	153,161	166,175	182,730
Wangdue Phodrang	572	559	504	321	463	860	1,175	1,857	994	793	26,050	33,641	46,733	48,041	37,516
Zhemgang	936	892	740	610	503	1,057	614	582	307	294	27,168	18,339	19,044	21,613	27,800
Total	18,150	16,983	16,662	14,267	12,316	16,244	20,304	18,253	14,399	21,902	1,067,700	1,089,504	1,241,462	1,356,109	1,349,450

Source: Agricultural Statistics Division, NSB

Table 5.2.2: Number of Livestock by Type and Dzongkhag, 2017 - 2021

Dzongkhag	Sheep					Goat				
	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
Bumthang	127	248	269	185	145	9	150	81	1	20
Chhukha	594	739	836	525	629	4,431	5,240	6,265	5,372	8,397
Dagana	110	144	84	48	77	8,355	16,795	8,376	7,668	9,806
Gasa	...	...	...	...	21	2	3	2	1	3
Haa	...	...	...	...	...	39	37	26	31	50
Lhuentse	62	37	153	93	36	27	55	48	28	13
Monggar	3	26	22	2	1	45	122	41	46	29
Paro	10	15	10	3	1	51	36	98	69	68
Pema Gatshel	...	...	...	...	...	34	32	38	11	33
Punakha	146	257	17	9	160	208	241	197	226	220
Samdrup Jongkhar	28	27	68	30	89	1,902	1,778	1,844	1,702	1,294
Samtse	4,720	5,150	5,482	4,932	5,820	13,387	14,198	16,809	16,127	23,704
Sarpang	638	701	761	540	646	4,813	4,395	4,710	4,438	6,076
Thimphu	1	20	1	1	...	81	30	20	29	36
Trashigang	2,193	2,121	2,185	2,554	1,881	286	244	260	209	196
Trashigang Yangtse	55	2	1	1	1	308	56	59	40	21
Trongsa	132	124	140	162	136	92	103	98	24	68
Tsirang	146	131	86	49	47	8,344	8,360	8,445	7,967	8,994
Wangdue Phodrang	948	847	1,064	1,449	757	88	220	147	49	273
Zhemgang	...	...	...	3	...	37	45	124	21	105
Total	9,913	10,589	11,179	10,586	10,447	42,539	52,140	47,688	44,059	59,406

Source: Agricultural Statistics Division, NSB

Table 5.2.3: Dairy and Livestock Production by Type, 2017 - 2021

Livestock Products	(Metric tonne)				
	2017	2018	2019	2020	2021
Milk	50,251.0	52,816.0	57,547.0	58,197.2	54,654.1
Butter	2,053.0	1,948.0	2,125.6	2,096.7	1,929.5
Cheese	4,298.0	3,953.0	4,091.0	4,219.1	3,154.3
Beef	501.0	410.0	487.9	696.8	1,016.3
Pork	928.0	972.0	1,113.0	878.6	699.8
Chicken	1,349.0	1,687.0	1,926.4	1,835.4	1,865.5
Fish	223.0	200.0	209.0	181.6	193.0
Chevon	195.0	257.0	281.0	295.7	161.7
Egg (in million)	116.7	125.2	135.7	172.5	133.3
Honey	48.3	62.0	65.9	44.2	43.2
Wool	7.8	8.6	25.3	5.7	5.8

Note: Figures includes production from livestock government farms.

Source: Agricultural Statistics Division, NSB

Table 5.2.4: Dairy and Livestock Production by Dzongkhag, 2017 - 2021

Dzongkhag	Milk					Butter				
	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
Bumthang	2,720.782	2,619.727	3,314.197	3,288.820	2,576.324	196.634	117.826	131.254	107.141	64.686
Chhukha	2,436.189	2,797.594	3,071.606	2,780.088	2,969.413	67.848	64.355	72.107	65.840	74.471
Dagana	2,717.386	6,196.822	2,749.229	2,955.515	2,306.956	111.381	247.782	115.361	118.750	90.812
Gasa	546.512	555.098	594.953	431.494	632.363	28.940	30.497	32.415	47.933	33.414
Haa	2,301.031	2,383.756	2,488.136	2,442.791	2,624.164	66.245	67.508	70.226	91.481	82.114
Lhuentse	1,536.106	1,583.507	1,752.622	1,815.790	1,139.764	75.801	76.378	81.223	79.578	50.331
Monggar	4,565.184	4,466.975	5,291.689	5,032.108	2,997.326	213.695	187.971	224.567	218.204	115.544
Paro	3,288.124	3,091.818	3,437.117	3,928.462	2,801.695	112.651	104.653	107.084	106.041	78.569
Pema Gatsel	1,725.777	1,832.800	1,896.265	1,974.569	1,596.425	79.339	78.167	78.712	67.426	81.478
Punakha	1,251.919	1,260.705	1,379.421	1,390.959	1,605.531	53.871	58.199	60.183	57.644	64.779
Samdrup Jongkhar	2,661.197	3,898.379	4,229.696	3,966.384	3,376.532	65.875	92.563	108.268	86.290	78.024
Samtse	3,750.757	4,294.162	4,783.490	4,951.052	4,828.798	126.536	115.213	131.369	151.639	127.185
Sarpang	2,670.673	2,565.881	2,833.940	3,626.673	4,423.153	88.192	82.621	93.623	121.623	142.766
Thimphu	1,784.250	1,884.579	1,887.448	1,901.492	1,297.406	58.448	54.809	62.705	54.999	37.806
Trashigang	6,098.206	5,544.835	6,323.354	6,180.256	6,819.688	273.529	240.198	275.290	258.326	337.401
Trashigang Yangtse	2,005.146	2,007.042	2,055.639	1,995.275	1,414.925	99.042	98.064	102.609	97.712	60.088
Trongsa	1,421.862	1,520.307	1,627.485	1,546.857	1,497.508	65.418	70.442	73.983	67.309	54.873
Tsirang	2,059.374	2,515.000	2,657.340	2,951.401	3,394.675	76.744	78.508	86.033	92.570	91.271
Wangdue Phodrang	2,813.951	3,070.481	3,311.309	3,260.112	4,559.434	133.292	146.204	156.160	140.084	201.099
Zhemgang	1,659.150	1,497.240	1,631.822	1,491.767	1,541.002	59.468	59.901	62.420	63.990	61.841
Total	50,013.576	55,586.708	57,316.758	57,911.865	54,403.081	2,052.949	2,071.859	2,125.592	2,094.580	1,928.550

Source: Agricultural Statistics Division, NSB

Table 5.2.4: Dairy and Livestock Production by Dzongkhag, 2017 - 2021

Dzongkhag	Cheese					Beef				
	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
Bumthang	474.947	233.757	215.018	217.899	108.475	24.824	22.844	22.909	19.472	90.281
Chhukha	115.674	106.260	114.667	156.723	143.583	17.523	17.128	17.667	19.835	26.812
Dagana	111.364	251.705	125.681	136.945	106.594	32.867	75.866	46.113	16.881	26.896
Gasa	33.275	26.372	25.942	40.111	14.671	...	...	...	3.464	3.003
Haa	96.497	99.626	99.548	139.815	116.446	3.230	7.440	1.720	6.875	11.404
Lhuentse	134.603	136.111	146.233	143.948	95.445	58.565	52.870	32.375	26.483	119.421
Monggar	631.202	604.216	403.657	657.556	221.338	68.012	74.789	88.243	119.734	155.041
Paro	177.797	161.810	163.693	137.688	126.896	4.715	7.245	30.363	33.309	30.778
Pema Gatsel	142.611	139.510	141.353	113.457	121.899	7.200	10.150	10.750	27.958	30.198
Punakha	92.977	102.188	164.804	142.673	108.776	7.882	8.070	12.285	19.641	23.430
Samdrup Jongkhar	105.332	160.128	313.993	151.993	140.534	47.985	38.936	32.901	66.738	75.352
Samtse	331.975	519.471	390.043	287.032	208.879	41.486	19.031	8.376	19.552	9.712
Sarpang	141.498	123.819	156.348	366.515	239.751	6.855	0.150	9.905	5.800	15.985
Thimphu	213.149	195.298	281.392	248.439	26.777	12.220	9.440	7.790	4.490	10.610
Trashigang	525.899	440.263	517.429	470.347	604.898	27.705	16.219	19.558	57.804	104.235
Trash Yangtse	178.193	176.354	184.894	177.064	111.890	50.920	33.255	80.590	42.088	52.923
Trongsa	311.417	121.862	126.604	111.295	104.017	67.490	26.043	33.364	32.793	34.801
Tsirang	159.996	138.209	153.370	159.827	148.877	4.000	17.502	1.500	64.829	50.871
Wangdue Phodrang	230.391	251.955	270.246	247.599	281.748	17.245	11.680	22.130	60.703	66.833
Zhemgang	89.244	89.814	94.238	105.844	120.505	...	...	9.363	48.341	77.738
Total	4,298.041	4,078.728	4,089.153	4,212.770	3,151.997	500.724	448.658	487.902	696.790	1,016.323

Source: Agricultural Statistics Division, NSB

Table 5.2.4: Dairy and Livestock Production by Dzongkhag, 2017 - 2021

Dzongkhag	Pork					Chicken				
	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
Bumthang	4.290	4.664	4.664	...	...	...	...	...	...	...
Chhukha	39.607	69.325	79.764	75.479	41.020	262.923	398.764	444.428	429.190	229.997
Dagana	79.646	184.022	82.153	90.636	62.288	97.193	238.166	120.271	141.146	231.401
Gasa	...	...	...	...	...	...	...	...	...	...
Haa	5.408	4.682	4.880	3.634	0.260	2.537	4.275	2.045	0.679	0.473
Lhuentse	11.305	10.625	9.810	9.878	0.320	...	...	...	0.166	0.495
Monggar	27.935	23.352	19.577	16.328	5.171	0.092	...	1.214	0.580	0.597
Paro	52.493	34.387	24.589	19.224	2.827	0.444	...	...	9.089	3.294
Pema Gatshel	26.884	28.248	30.442	25.634	4.641	0.147	...	...	0.353	1.198
Punakha	10.056	12.343	13.498	18.345	5.568	0.720	2.116	4.943	7.136	2.366
Samdrup Jongkhar	38.193	26.505	42.639	20.421	32.372	51.967	56.027	67.405	133.626	62.900
Samtse	80.429	77.994	80.909	70.773	100.102	318.928	365.011	456.679	348.072	471.781
Sarpang	283.700	262.778	268.032	217.856	227.620	345.154	304.774	312.523	342.245	476.968
Thimphu	4.320	21.765	13.105	28.155	16.934	16.295	19.670	21.355	56.229	34.085
Trashigang	14.292	17.131	13.132	8.637	1.104	...	...	...	...	1.583
Trashigang Yangtse	8.305	8.640	11.320	3.133	0.070	0.030	...	...	0.056	1.493
Trongsa	2.420	3.000	0.960	0.810	0.720	4.729	3.133	14.579	2.112	0.441
Tsirang	89.520	139.299	166.322	178.823	147.049	184.261	337.846	351.989	287.625	288.890
Wangdue Phodrang	64.258	80.845	199.692	49.496	30.374	22.609	48.554	120.756	56.661	40.961
Zhemgang	75.900	45.800	34.758	13.622	3.216	40.731	27.803	8.199	4.518	5.380
Total	918.961	1,055.405	1,100.246	850.884	681.656	1,348.760	1,806.139	1,926.386	1,819.483	1,854.300

Source: Agricultural Statistics Division, NSB

Table 5.2.4: Dairy and Livestock Production by Dzongkhag, 2017 - 2021

Dzongkhag	Fish					Chevon					(Metric tonnes)	
	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021	2020	2021
Bumthang	...	...	...	...	...	...	...	...	...	...	...	-
Chhukha	0.983	0.548	4.963	1.428	0.100	11.953	16.595	18.674	20.641	4.042	20.641	4.042
Dagana	21.706	45.452	26.711	25.960	36.852	36.108	81.622	41.612	45.033	19.386	45.033	19.386
Gasa	...	...	...	...	...	...	...	...	...	...	...	...
Haa	4.500	5.015	5.120	3.000	...	0.112	0.128	0.128	0.152	...	0.152	...
Lhuentse	0.200	0.400	0.300	...	...	...	...	...	...	...	...	...
Monggar	4.267	3.645	2.550	0.035	...	...	...	...	...	0.040	...	0.040
Paro	...	...	...	1.187	...	...	...	...	...	...	...	...
Pema Gatshel	1.697	1.818	1.875	1.420	0.200	...	...	...	...	0.048	...	0.048
Punakha	1.650	2.755	1.650	1.723	-	0.380	0.559	0.410	0.452	0.133	0.452	0.133
Samdrup Jongkhar	69.752	54.146	41.180	33.896	6.693	8.661	9.627	10.518	10.387	3.074	10.387	3.074
Samtse	31.356	17.492	18.771	15.076	4.614	50.046	88.761	95.333	90.435	57.085	90.435	57.085
Sarpang	49.605	69.157	73.843	69.070	100.855	51.786	48.127	52.796	66.841	55.468	66.841	55.468
Thimphu	...	...	...	...	...	...	0.150	0.270	1.560	...	1.560	...
Trashigang	...	0.045	0.207	...	...	...	...	...	...	...	...	...
Trashiyangtse	...	...	...	...	...	...	...	...	...	0.012	...	0.012
Trongsa	...	...	...	...	...	0.700	0.180	0.195	0.090	0.043	0.090	0.043
Tsirang	6.106	14.617	16.029	6.403	23.188	34.795	52.809	59.321	59.260	22.211	59.260	22.211
Wangdue Phodrang	0.446	1.045	2.891	1.315	2.060	...	...	0.850	0.775	0.167	0.775	0.167
Zhemgang	7.650	7.488	10.608	3.680	-	...	...	0.885	0.078	0.018	0.078	0.018
Total	199.918	223.623	206.698	164.193	174.562	194.541	298.558	280.992	295.704	161.725	295.704	161.725

Source: Agricultural Statistics Division, NSB

Table 5.2.4: Dairy and Livestock Production by Dzongkhag, 2017 - 2021

Dzongkhag	Egg (in '000)					Honey				
	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
Bumthang	1,088.730	2,749.728	1,985.542	901.482	705.952	23.457	31.817	30.488	9.595	10.192
Chhukha	3,964.406	4,613.050	6,155.221	5,843.784	4,244.564	2.158	2.750	3.272	3.268	2.819
Dagana	2,200.108	4,578.978	3,593.499	4,549.978	2,997.502	3.549	7.405	3.972	4.688	2.894
Gasa	466.200	384.070	300.090	332.014	86.054	...	...	...	...	-
Haa	1,917.552	1,897.791	2,001.060	1,330.354	1,771.089	0.070	0.133	2.192	0.575	1.642
Lhuentse	4,214.165	4,269.952	4,407.162	4,886.242	2,243.122	...	...	0.015	...	-
Monggar	7,660.011	7,277.360	8,416.900	9,204.068	6,315.811	...	...	...	...	0.001
Paro	5,070.733	5,814.002	9,076.316	15,388.519	6,874.037	...	...	...	0.029	0.320
Pema Gatsel	3,271.318	3,364.143	3,570.934	3,022.506	4,402.300	...	...	0.007	...	0.025
Punakha	1,913.263	2,207.200	2,607.387	2,829.375	2,091.593	0.105	0.131	0.234	0.037	0.156
Samdrup Jongkhar	4,781.387	5,584.658	9,527.317	8,098.826	5,408.949	0.515	0.802	1.144	1.311	0.775
Samtse	4,355.260	4,258.415	5,631.516	7,453.414	9,053.943	4.333	5.327	6.552	5.883	8.053
Sarpang	26,559.521	28,654.486	28,971.199	48,024.105	38,093.283	10.278	10.879	10.810	12.555	13.039
Thimphu	8,931.385	9,561.523	10,368.421	10,081.466	4,312.188	...	0.141	0.217	0.283	0.015
Trashigang	3,673.357	4,127.864	4,676.023	6,001.636	5,535.048	...	...	0.011	0.006	0.005
Trash Yangtse	3,662.110	3,667.260	3,206.040	3,809.278	2,486.975	...	...	...	...	-
Trongsa	1,590.109	1,118.256	1,086.300	1,234.520	1,732.129	...	0.007	0.025	0.014	0.002
Tsirang	19,007.848	20,393.495	22,768.603	27,654.286	26,629.546	3.145	4.900	5.818	4.260	3.206
Wangdue Phodrang	3,298.960	4,968.080	3,444.308	4,176.516	4,072.696	0.664	1.561	0.863	1.645	0.045
Zhemgang	5,458.320	3,615.870	3,884.290	4,385.532	1,870.837	...	...	0.276	0.032	0.006
Total	113,084.743	123,106.181	135,678.128	169,207.901	130,927.618	48.274	65.853	65.896	44.181	43.193

Source: Agricultural Statistics Division, NSB

Table 5.2.4: Dairy and Livestock Production by Dzongkhag, 2017 - 2021

(Metric tonnes)

Dzongkhag	Wool				
	2017	2018	2019	2020	2021
Bumthang	0.119	...	0.410	0.249	0.121
Chhukha	0.140	0.166	0.195	0.162	0.183
Dagana	0.091	0.074	0.030	0.008	0.027
Gasa	...	...	...	...	...
Haa	...	...	...	...	0.008
Lhuentse	0.012	0.014	0.014	0.018	0.019
Monggar	...	...	...	0.001	0.002
Paro	0.010	...	...	0.043	...
Pema Gatshel	...	...	...	...	...
Punakha	0.004	0.002	...	...	...
Samdrup Jongkhar	...	...	...	...	...
Samtse	2.480	3.176	3.705	1.923	2.762
Sarpang	0.961	0.545	0.635	0.081	0.018
Thimphu	0.847	0.232	0.795	0.155	0.108
Trashigang	2.763	3.090	4.892	1.436	2.015
Trashigang Yangtse	...	...	...	...	0.001
Trongsa	0.049	0.922	14.430	1.189	0.084
Tsirang	0.200	0.113	0.101	0.017	0.005
Wangdue Phodrang	0.122	0.157	0.087	0.220	0.420
Zhemgang	...	...	...	...	...
Total	7.798	8.491	25.294	5.502	5.772

Source: Agricultural Statistics Division, NSB

Table 5.3.1: Imports and Sales of Food Items by Food Corporation of Bhutan, 2017 - 2021

(Metric tonne)

Commodity	2017	2018	2019	2020	2021
Imports					
Rice	8,646.00	8,555.06	10,387.72	26,309.47	19,707.83
Sugar	1,245.95	868.35	848.30	1,220.40	1,267.60
Salt	796.23	570.00	586.25	1,003.21	894.90
Edible Oil	1,342.14	1,173.42	1,323.76	3,201.72	2,238.26
Pulses	350.00	298.25	351.90	1,089.66	1,666.77
Maida	694.32	894.35	1,077.12	936.69	973.01
Atta	276.15	236.25	351.53	329.42	325.50
Sales					
Rice	8,140.99	8,833.26	10,365.78	18,518.21	23,349.00
Sugar	1,187.98	878.13	911.43	1,178.45	1,138.00
Salt	757.22	565.07	637.31	849.75	903.00
Edible Oil	1,278.66	1,230.54	1,289.61	2,905.04	2,294.00
Pulses	304.24	308.07	336.88	688.90	1,610.00
Maida	686.26	902.09	1,054.73	931.05	996.00
Atta	267.09	267.72	307.23	348.09	330.00

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, 2017 - 2021

(Metric tonne)

Commodity	2017	2018	2019	2020	2021
Potatoes	25,687.38	31,537.30	30,277.08	2,753.01	3,764.69
Vegetables	4,104.04	3,463.10	5,091.66	3,160.92	930.87
Apples	28.26	12.38	32.03	...	0.00
Oranges	667.38	391.28	201.45	42.91	102.74
Pulses	7.67	8.54	5.67	...	0.80
Spices	587.41	250.29	167.85	289.60	43.66
Areca nut	485.13	131.06	483.46	546.77	1,046.26
Apricot	0.00	0.39	...	...	0.00
Peach	1.35	0.31	0.65	...	0.00
Plum	0.61	0.39	0.63	...	0.87
Pear	0.59	0.18	2.34	...	0.00

Source: Food Corporation of Bhutan, Phuentsholing.

CHAPTER 6

ENVIRONMENT

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	70.5	230,984.0	6.0	70.8
	Mixed Conifer forest	613,963.9	16.0		519,585.7	13.5	
	Blue Pine Forest	80,024.0	2.1		101,155.1	2.6	
	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	2.9	31,891.9	0.8	2.8
	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		5,529.9	0.1	
	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	3.2	119,754.2	3.1	3.1
	Scree	23,287.7	0.6		39,701.4	1.0	1.0
	Bare Soils	26.9	...		...	...	...
Water Bodies	Lakes	4,753.4	0.1	0.7	6,252.6	0.2	0.7
	Reservoirs	130.7	0.0		...	...	
	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

(Hectares)

Dzongkhag	Forests	Cultivated Agriculture	Shrubs	Meadows	Built up	Non-Built up
Bumthang	139,356.7	3,394.3	34,318.2	10,126.0	470.8	...
Chhukha	166,151.1	7,858.1	6,261.8	2,625.2	834.6	44.7
Dagana	152,086.1	7,396.9	5,213.5	2,252.1	107.2	7.1
Gasa	60,853.0	461.0	69,548.0	10,985.1	21.4	...
Haa	125,772.4	1,711.3	30,113.7	9,482.0	271.3	2.7
Lhuentse	183,421.0	3,720.0	26,464.6	3,245.7	162.3	8.7
Monggar	175,886.9	6,558.7	7,794.1	738.1	256.4	7.9
Paro	66,282.7	5,432.1	28,938.4	12,703.5	599.9	37.1
Pema Gatshel	91,926.7	3,677.7	4,214.2	7.7	198.7	48.2
Punakha	91,894.9	4,696.6	5,665.6	482.8	296.0	3.8
Samdrup Jongkhar	168,689.7	5,485.0	8,740.7	479.2	186.0	34.9
Samtse	105,203.2	14,713.8	5,619.3	244.9	312.8	159.7
Sarpang	146,852.3	8,029.8	5,021.1	15.3	450.8	10.0
Thimphu	71,213.8	1,699.7	39,745.4	18,328.9	1,380.2	86.8
Trashigang	172,757.7	9,837.3	17,356.1	7,079.3	623.8	...
Trashigang Yangtse	100,400.0	3,488.9	16,319.9	821.4	70.5	...
Trongsa	153,725.1	2,551.9	8,345.8	4,460.1	476.2	8.0
Tsirang	55,265.1	5,704.7	1,376.3	59.9	69.9	1.8
Wandue Phodrang	264,061.9	5,818.4	46,540.4	12,058.2	544.8	133.2
Zhemgang	225,361.5	3,446.3	6,435.5	78.3	123.7	1.4
Total	2,717,161.7	105,682.4	374,032.5	96,273.6	7,457.1	595.9

Source: Forest Information Reporting and Monitoring System (FIRMS), Department of Forest and Park Services (DoFPS), MoAF

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

(Hectares)

Dzongkhag	Moraines	Rocky Outcrops	Land-slides	Snow & Glacier	Water Bodies
Bumthang	2,032.7	23,778.9	2.9	29,118.1	1,845.2
Chhukha	...	461.9	348.1	...	1,385.7
Dagana	...	849.6	290.6	...	1,580.7
Gasa	9,402.3	62,700.7	64.4	68,734.1	2,283.5
Haa	...	15,873.9	18.7	399.5	675.3
Lhuentse	965.6	4,935.0	104.0	47,425.8	1,162.1
Monggar	...	1.7	364.3	...	893.9
Paro	...	5,598.5	...	1,897.1	523.0
Pema Gatshel	...	218.9	275.4	...	649.3
Punakha	...	249.6	7.3	2,188.7	808.7
Samdrup Jongkhar	...	174.0	363.8	...	1,703.1
Samtse	...	201.0	615.4	3.4	2,124.2
Sarpang	...	61.9	446.5	...	2,967.7
Thimphu	754.6	20,987.4	...	9,767.2	468.6
Trashigang	...	76.6	235.5	199.0	733.0
Trashigang Yangtse	...	463.9	32.5	16,459.9	861.6
Trongsa	...	556.0	121.4	1,001.9	426.1
Tsirang	...	215.9	24.1	...	432.3
Wandue Phodrang	1,238.8	21,755.9	58.6	27,875.3	1,991.2
Zhemgang	...	294.4	356.8	273.5	1,660.6
Total	14,394.0	159,455.5	3,730.2	205,343.4	25,175.8

Source: Forest Information Reporting and Monitoring System (FIRMS), Department 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
Trashigang 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: Forest Information Reporting and Monitoring System (FIRMS), Department of Forest and Park Services (DoFPS), MoAF

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

(Percent)

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 Jongkhar	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: Forest Information Reporting and Monitoring System (FIRMS), Department of Forest and Park Services (DoFPS), 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	1,534.2
		Monggar	
		Trashigang	
Jigme Dorji National Park (JDNP)	1995	Gasa	4,374.1
		Paro	
		Punakha	
		Thimphu	
Jigme Khesar Strict Nature Reserve (JKSNR)	2010	Haa	784.2
		Samtse	
Jigme Singye Wangchuck National Park (JSWNP)	1995	Sarpang	1,730.1
		Trongsa	
		Tsirang	
		Wangdue Phodrang	
		Zhemgang	
Jomotsangkha Wildlife Sanctuary (JWS)	1993	Samdrup Jongkhar	362.5
Phrumsengla National Park (PNP)	2000	Bumthang	906.7
		Lhuentse	
		Monggar	
		Zhemgang	
Phipsoo Wildlife Sanctuary (PWS)	1993	Sarpang	286.8
		Dagana	
Royal Manas National Park (RMNP)	1996	Pema Gatshel	1,057.4
		Sarpang	
		Zhemgang	

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

Protected Area Network	Establishment year	Dzongkhag	Area (Sq. km)
Sakteng Wildlife Sanctuary (SWS)	2003	Trashigang	742.5
Wangchuck Centennial National Park (WCNP)	2008	Bumthang	4,914.7
		Lhuentse	
		Wangdue Phodrang	
		Gasa	
		Trongsa	
Royal Botanical Park (RBP)		Punakha	91.2
		Thimphu	
JDNP-JKSNR Biological Corridor (BC1)	2007	Haa	255.6
		Paro	
RBP-JSWNP Biological Corridor (BC 2)	2007	Wangdue Phodrang	291.8
JSWNP-PWS-RMNP Biological Corridor (BC 3)	2007	Sarpang	407.7
		Tsirang	
JSWNP-PNP-RMNP Biological Corridor (BC 4)	2007	Trongsa	594.7
		Zhemgang	
JWS-RMNP Biological Corridor (BC 5)	2007	Pema Gatshel	205.8
		Samdrup Jongkhar	
JWS-SWS Biological Corridor (BC 6)	2007	Samdrup Jongkhar	232.8
		Trashigang	
BWS-PNP-WCNP Biological Corridor (BC 7)	2007	Lhuentse	419.7
		Monggar	
JSWNP-WCNP Biological Corridor (BC 8)	2007	Trongsa	558.6
		Wangdue Phodrang	
Total Area			19,750.8

Source: Forest Information Reporting and Monitoring System (FIRMS), Department of Forest and Park Services (DoFPS), MoAF

Table 6.1.6: Timber Allotment by Divisional Forest Office, 2019 - 2021

Divisional Forest Office	2019						2020					
	Concessional			Commercial			Concessional			Commercial		
	Volume (m ³)	Royalty (Nu.)	Volume (m ³)	Volume (m ³)	Royalty (Nu.)	Royalty (Nu.)	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	1,987,804.58	8,004.50	149,593.39	3,974.78	792,732.44				
Dagana	10,196.69	223,603.28	1,667.18	150,799.00	3,606.51	108,232.51	1,323.46	86,886.54				
Gedu	4,263.28	105,313.53	3,627.70	116,944.87	2,038.38	43,813.28	3,755.90	269,734.30				
Monggar	8,193.41	238,113.92	3,382.04	227,634.73	11,681.43	366,786.60	3,557.56	300,688.26				
Paro	7,265.81	133,464.92	4,668.83	1,248,597.67	1,371.64	24,382.51	3,148.13	468,633.13				
Pema Gatsel	310.98	7,616.71	217.14	10,493.98	1,366.17	31,478.46	1,549.64	63,874.49				
Samdrup Jongkhar	1,874.20	52,943.51	721.30	33,534.68	575.90	14,524.94	1,311.74	45,945.55				
Samtse	9,435.88	240,397.46	336.07	79,261.38	9,506.89	230,909.70	684.99	107,239.78				
Sarpang	3,880.87	111,524.53	1,848.02	325,926.83	1,683.06	45,518.73	2,062.26	407,525.51				
Thimphu	6,264.62	121,033.87	1,972.18	250,782.48	2,667.76	52,919.99	3,524.24	715,646.00				
Trashigang	13,186.49	414,871.47	2,327.82	172,705.60	13,555.42	403,056.99	638.97	36,597.60				
Tsirang	2,939.56	51,610.84	229.33	5,754.00	1,277.78	32,760.93	358.09	30,354.70				
Wangdue Phodrang	20,717.18	470,465.60	8,969.70	1,781,588.86	14,413.67	398,629.20	5,084.42	1,053,852.51				
Zhemgang	3,009.29	58,190.18	659.22	167,855.55	5,666.36	121,784.00	484.70	100,992.41				

Source: Forest Information Reporting and Monitoring System (FIRMS), Department of Forest and Park Services (DoFPS), MoAF

Table 6.1.6: Timber Allotment by Divisional Forest Office, 2019 - 2021

Divisional Forest Office	2021			
	Concessional		Commercial	
	Volume (m ³)	Royalty (Nu.)	Volume (m ³)	Royalty (Nu.)
Bumthang	4,458.53	114,514.66	9,555.04	1,975,272.30
Dagana	2,964.14	67,842.38	2,281.09	180,221.10
Gedu	1,825.41	30,617.24	8,239.59	308,804.70
Monggar	13,425.50	79,829.76	4,946.03	730,700.15
Paro	14,198.96	216,721.07	2,594.64	950,310.27
Pema Gatshel	394.43	9,740.05	2,179.32	49,825.05
Samdrup Jongkhar	126.60	4,014.91	1,769.60	381,526.18
Samtse	2,890.27	79,835.46	2,338.64	226,412.43
Sarpang	84.76	5,498.37	355.62	43,419.37
Thimphu	2,845.45	25,076.29	2,295.75	486,972.53
Trashigang	2,727.47	77,180.28	1,260.75	42,617.02
Tsirang	204.99	7,860.70	83.56	5,251.88
Wangdue Phodrang	1,535.16	50,111.91	3,326.75	542,892.89
Zhemgang	518.26	11,612.79	361.03	60,666.70

Source: Forest Information Reporting and Monitoring System (FIRMS), Department of Forest and Park Services (DoFPS), MoAF

Table 6.1.7: Timber Allotment by Protected Area Office, 2019 - 2021

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	411o5.29	190.40	30,251.76	4,496.69	65,500.00	...	...

Source: Forest Information Reporting and Monitoring System (FIRMS), Department of Forest and Park Services (DoFPS), MoAF

Table 6.1.7: Timber Allotment by Protected Area Office, 2019 - 2021

Protected Area Office	2021			
	Concessional		Commercial	
	Volume (m ³)	Royalty (Nu.)	Volume (m ³)	Royalty (Nu.)
Bumdeling Wildlife Sanctuary	3,534.00	93,356.22	575.43	134,130.38
Jigme Dorji National Park	2,455.71	47,118.46	12,455.38	2,808,280.54
Jigme Khesar Strict Nature Reserve	187.06	3,740.00	175.91	19,222.04
Jigme Singye Wangchuck National Park	523.51	16,224.70	390.42	100,112.01
Jomotsangkha Wildlife Sanctuary	268.79	30,609.51	1,584.86	108,523.53
Phibsoo Wildlife Sanctuary	203.70	8,064.00	...	...
Phrumsengla National Park	836.63	27,359.00	1,971.79	178,617.44
Royal Manas National Park	119.61	1,400.00	547.46	90,759.22
Sakteng Wildlife Sanctuary	1,304.43	40,789.09	594.88	40,437.71
Wangchuck Centennial National Park	118.59	720.00	...	...

Source: Forest Information Reporting and Monitoring System (FIRMS), Department of Forest and Park Services (DoFPS), MoAF

Table 6.1.8: Non Wood Forest Products Supplied and Revenue Generated, 2019 - 2021

Product Name	Unit	2019			2020			2021		
		Quantity	Royalty Realized (Nu.)		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		150	730.00	
Bamboo shoots	Number	0	0		100	100.00		...		...
	Number	20	20.00			0		100	200.00	
Calamus spp	Truckload	5	4000.00		5	4,000.00		2	200.00	
	Bundle	30	120.00		197	788.00		...		...
	Bundle	203	848.00		435	3,342.00		386	1,568.00	
Cane shoot	Truckload	3	1240.00		22	1,680.00		801	300.00	
	Number	...	...		...	...		71	184.00	
Charcoal	Kilogram	7,300	1476.00		54,290	10,858.00		40,300	8,060.00	
	Truckload	...	...		...	...		464	23,200.00	
	Truckload	55	2240.00		199	7,950.00		342	23,515.60	
Clay Soil	Kilogram	...	...		...	...		2	4.00	
	M3	8	800.00		199	7,950.00		...		...
Color Soil	Truckload	26	1270.00		0	0		453	18,400.00	
	Kilogram	1,700	3400.00		24,826	54,600.00		17,100	34,200.00	
Cymbidium(Olatshey)	Bundle	6	240.00		0	0		140	5,960.00	
Daphne spp(bark)	Kilogram	5,885	5531.00		4,260	2,588.00		6,950	4,170.00	
Hippophae rhamnoides (Taray tsang in Dz.)	Kilogram	1,100	4400.00		500	2,000.00		300	1,200.00	
Hyparrhenia hirta (Thatch grass)	Bundle	0	0		10	806.00		...		...

Table 6.1.8: Non Wood Forest Products Supplied and Revenue Generated, 2019 - 2021

Product Name	Unit	2019		2020		2021	
		Quantity	Royalty Realized (Nu.)	Quantity	Royalty Realized (Nu.)	Quantity	Royalty Realized (Nu.)
<i>Exidia recisa</i> (Sew-shamong in Dz.)	Kilogram	0	0	150	900.00	...	...
<i>Edgeworthia</i> 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	65,828	108,776.00
	Truckload	1,573	14670.00	0	0	103	230.00
	Bundle					10	80.00
Small Bamboos	Number	91,466	40411.50	69,682	39,354.48	50,928	33,807.48
	Bundle	...	...	...	...	160	1,280.00
	Truckload	...	...	...	...	100	100.00
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	27	540.00
Knema spp. (Duruka in Kheng))	Kilogram	100	500.00	50	5,650.00	700	3,500.00
Neomicrocalamus andropogonifolus (Ringshoo)	Kilogram	220	658.00	0	0	...	...
	Bundle					118	11.80
<i>Nardostachys jatamansi</i> (Pangpoe)	Kilogram	64,275	128550.00	43,514	87,028.00	14,850	29,700.00
<i>Ophiocordyceps sinensis</i> (Cordyceps)	Kilogram	1,342	1269240.00	2,013	2,614,353.60	36,507	14,968,007.76
<i>Oroxylum indicum</i> (Namkaling in Dz.)	Kilogram	0	0	50	100.00	...	...
<i>Phyllanthus emblica</i> (Amla in Dz.)	Kilogram	0	0	100	500.00	...	...

Table 6.1.8: Non Wood Forest Products Supplied and Revenue Generated, 2019 - 2021

Product Name	Unit	2019		2020		2021	
		Quantity	Royalty Realized (Nu.)	Quantity	Royalty Realized (Nu.)	Quantity	Royalty Realized (Nu.)
Picrothiza spp (Putashing in Dz)	Kilogram	0	0	866	10,392.00	200	1,300.00
Paris polyphylla	Kilogram	535	8215.00	0	0	...	...
Plectocomia himalayana (Patsa)	Bundle	329	1316.00	0	0	70	280.00
	Number	100	100.00	0	0	...	...
Rhododendron Spp. ¹	Kilogram	3,081	6241.00	4,307	8,163.00	9,090	18,186.00
	Truckload	...	...	...	...	12	450.00
Rubia cordifolia	Kilogram	24,524	377504.00	10,548	168,768.00	44,145	572,880.00
River bed materials	m3	0	0	337,891	1,689,455.00	616,212	3,081,060.00
	Truckload	92,221	3679040.00	95,572	3,763,280.00	116,329	4,653,160.00
Pouzolzia spp.	Kilogram	8,962	17924.00	5,231	7,662.00	14,452	26,104.00
Phyllanthus emblica	Kilogram	3	15.00	0	0	...	...
Picorhiza 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	320	6,800.00
Pine needle ²	Headload	0	0	365	1,417.00	...	...
	Truckload	38	1397.00	0	0	14	472.00
	Bundle	72	76.00	0	0	10	40.00
Pinus Wallichia	Number	200	2000.00	0	0	...	...
	Number	2	2400.00	0	0	...	...
Juniperus spp.	Truckload	0	0	560	6,384.00	...	...

Table 6.1.8: Non Wood Forest Products Supplied and Revenue Generated, 2019 - 2021

Product Name	Unit	2019		2020		2021	
		Quantity	Royalty Realized (Nu.)	Quantity	Royalty Realized (Nu.)	Quantity	Royalty Realized (Nu.)
Leaf moulds	Truckload	587	33596.50	605	33,290.00	467	27,110.00
Leave litterers	Truckload	14	786.00	0	0	8	300.00
	Bundle					50	5.00
Leaves(Incense) ³	Truckload	21	880.00	0	0	17	680.00
	Headload	0	0	1,069	3,488.00	...	...
	Bundle	138	547.00	0	0	...	...
	Kilogram					6	12.00
Stone dust	Truckload	99	3200.00	157	6,240.00	155	8,610.00
	m ³	0	0	391	1,420.00	1,393	3,255.00
Stone/Boulder	M3	294,902	1470926.00	817,423	4,082,110.50	604,236	3,021,158.00
	Truckload	241,805	9592816.00	51,275	2,100,511.64	45,881	1,785,312.30
	Tractor	7	832.00	2	632.00	3	...
Gravels/S/Chips	Truckload	123,472	4906214.00	7,869	342,247.00	26,091	981,860.00
	M3	87,223	436435.00	120,205	598,240.00	175,465	859,519.10
Sand	Truckload	45,121	1814634.00	33,936	1,498,675.00	31,515	1,245,756.20
	M3	177,486	897719.50	107,415	535,500.00	172,269	859,738.20
	Cubic feet	...	...	...	...	1	40.00
	Number	...	...	...	...	1	40.00
	Tractor	...	...	...	...	39	780.00
Top Soil	Truckload	1,079	90519.50	0	0	1,091	72,996.00
	M3	507	5865.00	0	0	320	3,220.00

Table 6.1.8: Non Wood Forest Products Supplied and Revenue Generated, 2019 - 2021

Product Name	Unit	2019		2020		2021	
		Quantity	Royalty Realized (Nu.)	Quantity	Royalty Realized (Nu.)	Quantity	Royalty Realized (Nu.)
shilajit	Kilogram	805	6440.00	0	0	100	800.00
Swertia chirata	Kilogram	150	3600.00	0	0	...	...
Thysanolaena latifolia (Broom grass)	Bundle	1,042	2824.50	462	1,444.00	1,408	4,224.00
	M3	2,000	2000.00	0	0	...	...
Woodburr	Number	458	3960.00	0	0	...	...
Yushania mailing	Number	620	142.40	100	8.00	770	126.00
	Bundle	10	80.00	0	0	5	40.00
Wildlings (Saplings)	Number	3,066	14766.00	0	0	5,421	5,647.00
Zanthoxylum armatum	Kilogram	380	1520.00	2,400	9,600.00	672	288.00
	Kilogram	0	0	13	36.00	4,610	9,951.00
	Truckload	0	0	1	40.00	3	130.00
	Number	0	0	30	180.00	20	1,040.00
Others ⁴	Bundle	...	...	...	...	20	80.00
	M3	...	...	...	...	16	80.00

Note: ¹ Rhododendro sp consist of Rhododendron species, Rhododendron anthopogon, Rhododendron setosum. ² Pine needle consist of pine needle and leave of Bluepine/Fir. ³ leave incense consist of leaves of Juniperus (incense). ⁴ others species consist of Astilbe rivularis (Thonsergugay), Bulbophyllum umbellatum, Ficus spp., Lycopodium clavatum (Zalagadang), Piper pedicellatum, Plumeria rubra, Rhodiola spp., Saw dust, Terminalia chebula, Wild yam

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

Table 6.1.9: Number of Community Forest (CF) and Area Coverage by Dzongkhag, 2017 - 2021

Dzongkhag	2017			2018			2019			2020			2021		
	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.)	No. of CF	Area (ha.)	No. of CF	Area (ha.)	Area (ha.)
Bumthang	33	3,399.85	33	3,399.85	35	3,723.10	35	3,723.10	37	3,823.69	39	3,897.04	39	3,897.04	
Chhukha	56	3,970.02	60	4,254.74	61	4,302.74	61	4,302.74	62	4,540.18	62	4,540.18	62	4,540.18	
Dagana	27	2,278.02	27	2,278.02	28	2,423.02	28	2,423.02	31	2,891.82	34	3,354.85	34	3,354.85	
Gasa	7	452.46	7	452.46	7	452.46	7	452.46	7	556.08	7	556.08	7	556.08	
Haa	18	1,696.80	18	1,696.80	19	1,839.73	19	1,839.73	19	1,839.73	19	1,839.73	19	1,839.73	
Lhuentse	31	2,744.54	37	3,391.16	37	3,475.36	37	3,475.36	37	3,576.86	37	3,576.86	37	3,576.86	
Monggar	32	7,594.35	34	9,390.37	34	9,390.37	34	9,390.37	36	10,792.77	38	11,878.53	38	11,878.53	
Paro	27	4,387.72	29	4,627.98	30	4,842.92	30	4,842.92	30	4,842.92	30	4,842.92	30	4,842.92	
Pema Gatshel	39	3,623.44	40	3,826.45	43	4,481.89	43	4,481.89	57	5,615.65	58	5,772.52	58	5,772.52	
Punakha	47	4,014.34	56	5,105.16	56	5,105.16	56	5,105.16	44	4,519.63	45	4,551.17	45	4,551.17	
Samdrup Jongkhar	48	6,294.57	50	6,660.07	50	6,722.45	50	6,722.45	50	7,141.80	50	7,141.80	50	7,141.80	
Samtse	32	3,306.85	33	3,430.45	34	4,052.68	34	4,052.68	63	6,824.22	64	6,919.18	64	6,919.18	
Sarpang	52	4,739.73	57	5,358.49	62	6,607.00	62	6,607.00	35	4,539.91	36	4,612.31	36	4,612.31	
Thimphu	21	2,749.77	21	2,856.51	22	2,912.49	22	2,912.49	22	3,039.07	22	3,039.07	22	3,039.07	
Trashigang	53	9,923.07	54	10,457.96	54	10,457.96	54	10,457.96	54	11,177.81	54	11,177.81	54	11,177.81	
Trashigang Yangtse	30	3,516.77	32	4,273.12	33	4,538.31	33	4,538.31	36	4,820.03	39	5,111.38	39	5,111.38	
Trongsa	43	6,512.12	48	7,766.79	49	9,240.67	49	9,240.67	30	3,579.70	30	3,579.70	30	3,579.70	
Tsirang	29	3,063.74	30	3,175.81	30	3,568.70	30	3,568.70	50	9,500.23	51	9,696.89	51	9,696.89	
Wangdue Phodrang	82	6,146.79	85	6,906.40	89	6,999.40	89	6,999.40	89	7,010.26	89	7,010.26	89	7,010.26	
Zhemgang	26	2,800.23	26	2,855.97	31	4,009.60	31	4,009.60	33	4,466.92	35	4,768.12	35	4,768.12	
Total	733	83,215.18	777	92,164.55	804	99,146.00	822	105,099.27	839	107,866.39	839	107,866.39	839	107,866.39	

Source: Forest Information Reporting and Monitoring System (FIRMS), Department of Forest and Park Services (DoFPS), MoAF

Table 6.1.10: Forest Fire Cases and Area Burnt by Dzongkhag, 2017 - 2021

Dzongkhag	2017			2018			2019			2020			2021		
	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)	No. of cases	Area burnt (Acre)	No. of cases	Area burnt (Acre)	No. of cases
Bumthang	0	0.0	3	7.0	2	3.0	1	0.8	3	13.4					
Chhukha	1	105.0	0	0.0	0	0.0			1	1.5					
Dagana	1	443.0	1	12.0	0	0.0									
Gasa	0	0.0	1	514.0	0	0.0									
Haa	0	0.0	0	0.0	1	1.0									
Lhuentse	3	42.0	2	1,240.0	1	26.0									
Monggar	8	2,383.0	6	2,963.0	5	1,549.0									
Paro	3	34.0	6	12.0	0	0.0									
Punakha	4	562.0	0	0.0	5	128.0									
Pema Gatsel	0	0.0	3	17.0	0	0.0									
Samdrup Jongkhar	1	121.0	0	0.0	0	0.0									
Sarpang	0	0.0	0	0.0	3	11.0									
Samtse	0	0.0	0	0.0	2	32.0									
Thimphu	4	57.0	4	109.0	2	707.0									
Trashigang	4	597.0	3	734.0	8	981.0									
Trashigang	2	904.0	0	0.0	0	0.0									
Tsirang	0	0.0	0	0.0	1	1.0									
Trongsa	0	0.0	0	0.0	1	1.0									
Wangdue Phodrang	0	0.0	14	2,466.0	8	68.0									
Zhemgang	0	0.0	0	0.0	1	16.0									
Total	31	5,249.0	43	8,075.0	40	3,525.0	26	5,898.6	45.0	10,654.6					

Source: Forest Information Reporting and Monitoring System (FIRMS), 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, 2017 - 2021.

Product Type	Unit	2017	2018	2019	2020	2021
Timber (Primary Product)						
Logs	Cft.		1,723,634.3	2,111,319.2	2,324,060.6	1,256,416.80
Blocks	Cft.	1,569,208.8	216,682.3	195,090.4	161,585.5	128,806.10
Poles	Cft.		...	126,986.7	136,950.8	113,974.00
Timber (Secondary Products)						
Sawn Timber	Cft.	...	152,239.6	46,828.4	16,172.2	201,819.70
Joinery-Flooring	Sq.ft	...	27,933.2	57,024.9	56,952.0	84,106.00
Joinery-Paneling	Sq.ft	...	34,600.7	94,524.4	137,365.4	134,540.74
Timber (By-Products)						
Post	Nos.	...	11,552.0	12,351.0	9,257.0	6,031.00
Woodchips	M ³	6,621.8	9,830.2	2,774.5	1,111.6	342.88
Firewood	M ³	34,451.5	32,980.4	37,376.3	32,124.4	44,477.19
Briquettes	Kg.	263,160.0	246,420.0	261,060.0	179,700.0	152,940.00
Non-Wood Product (Mineral Products)						
Sand	M ³	526,490.3	501,586.8	517,287.3	491,021.5	381,675.11
Stone	Cft.	5,575,566.9	12,146,420.7	26,137,086.1	16,166,051.7	23,079,963.83
Stone (Raw-Material for NRDCL owned SCP)	Cft.	915,952.5	888,402.1	150,675.1	1,981,493.8	2,663,426.90
Stone Aggregate from Crushing Plant	Cft.	848,747.6	775,925.1	940,784.4	701,571.4	3,048,134.18

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, 2017 - 2021

Product Type	Customer Group	Unit	2017	2018	2019	2020	2021
Timber (Primary Product)							
Logs/Poles/sawn	Commercial and Private individual	Cft.	1,261,300.7	1,505,524.6	1,820,027.0	1,126,740.8	1,521,279.40
Logs/Poles/sawn	Rural/Concessional	Cft.	15,309.3	15,128.0	35,415.9	7,158.8	35,288.80
Logs/Poles/sawn	Dzongs/Lhakhang/ Govt. Project Construction	Cft.	196,765.6	184,444.0	199,285.5	552,156.6	249,851.80
Timber (Secondary Product)							
Joinery-Flooring	All categories of customers	Sq.ft	...	22,844.1	26,857.9	52,470.5	83,877.62
Joinery-Panelling		Sq.ft	...	31,579.7	82,329.7	103,509.2	134,540.74
Timber (By-product)							
Post	All categories of customers	Nos.	14,785.0	12,589.0	9,301.0	13,246.0	6,591.00
Woodchips		M³	6,621.8	9,830.2	2,774.5	1,111.6	342.88
Firewood		M³	34,452.0	32,949.9	37,537.5	30,067.7	44,477.19
Briquettes		Kg.	185,340.0	215,040.0	196,290.0	334,560.0	167,820.00
Non-Wood Product (Mineral Product)							
Sand	All categories of customers except rural	M³	493,802.5	494,654.3	490,917.3	491,249.8	391,156.96
Sand	Rural	M³	7,208.0	6,356.3	10,093.3	9,760.8	5,533.50
Stone (Domestic supply)	All categories of customers except rural	Cft.	5,186,952.7	7,942,178.9	11,869,758.0	5,103,087.9	8,074,315.80
Stone aggregate from crushing plant	All categories of customers	Cft.	1,004,746.0	984,522.4	931,824.8	704,727.3	2,716,767.10
Stone export	Exporter	MT	8,206.7	189,434.0	576,388.3	339,460.1	627,021.40

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, 2021

Dzongkhag/Station		Temperature	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
Bumthang, Chamkhar	Max		12.7	14.9	16.2	18.8	19.1	22.9	22.1	21.8	21.8	19.9	15.5	12.7	18.2
	Min		-0.5	-0.6	4.3	4.5	10.3	14.0	15.0	14.5	12.0	9.3	3.7	-1.0	7.2
	Ave		6.1	7.1	10.3	11.6	14.7	18.4	18.6	18.1	16.9	14.6	9.6	5.8	12.7
Chhukha, Phuntsholing, CST	Max		23.8	27.4	29.5	31.8	30.0	...	...	28.9	31.2	30.2	28.3	26.3	28.7
	Min		11.2	12.6	15.2	17.8	18.1	...	...	19.9	20.7	19.6	14.4	12.6	16.1
	Ave		17.5	20.0	22.3	24.8	24.0	...	...	24.4	26.0	24.9	21.4	19.4	22.4
Dagana	Max		17.9	20.5	21.9	25.6	23.6	24.3	24.6	24.1	26.1	25.1	22.2	19.7	23.0
	Min		7.0	8.5	11.3	13.1	16.3	18.7	19.3	19.1	17.7	15.6	10.3	7.2	13.7
	Ave		12.5	14.5	16.6	19.3	19.9	21.5	21.9	21.6	21.9	20.4	16.3	13.4	18.3
Gasa	Max		9.9	10.9	11.3	14.2	15.4	19.2	18.5	18.1	20.0	18.4	12.7	10.8	15.0
	Min		-1.9	-1.3	1.4	2.6	7.0	10.6	11.8	11.5	9.5	7.1	1.8	-1.3	4.9
	Ave		4.0	4.8	6.4	8.4	11.2	14.9	15.1	14.8	14.8	12.8	7.2	4.7	10.0
Haa	Max		11.1	10.5	12.0	15.0	15.1	19.3	19.2	18.9	19.2	16.5	13.0	10.3	15.0
	Min		-3.7	-3.1	0.5	1.4	8.5	13.0	15.2	14.3	11.6	6.6	-0.6	-5.0	4.9
	Ave		3.7	3.7	6.3	8.2	11.8	16.1	17.2	16.6	15.4	11.6	6.2	2.6	10.0
Lhuentse, Tangmachu	Max		20.1	24.1	24.3	28.0	28.3	30.7	31.8	30.8	32.6	28.4	23.3	21.0	26.8
	Min		8.6	7.8	11.2	12.4	17.6	21.4	22.3	22.1	19.6	18.0	11.6	8.3	14.9
	Ave		14.3	15.9	17.8	20.2	22.9	26.1	27.0	26.5	26.1	23.2	17.5	14.6	20.9
Monggar	Max		15.4	19.6	21.3	25.7	24.1	25.6	25.5	24.6	27.1	24.3	19.6	16.6	22.4
	Min		7.1	8.2	11.2	13.0	15.9	18.5	18.7	18.8	18.0	15.5	10.1	7.2	13.6
	Ave		11.3	13.9	16.2	19.3	20.0	22.1	22.1	21.7	22.6	19.9	14.8	11.9	18.0
Punakha	Max		22.8	25.3	27.0	31.3	29.6	32.1	32.5	31.2	33.2	30.8	26.5	23.9	28.9
	Min		8.8	9.4	13.8	15.1	19.6	24.0	22.9	22.8	21.6	18.9	13.3	8.8	16.6
	Ave		15.8	17.4	20.4	23.2	24.6	28.1	27.7	27.0	27.4	24.9	19.9	16.3	22.7
Paro	Max		14.6	14.5	16.9	20.0	21.0	24.6	24.8	23.5	24.1	20.7	17.1	12.4	19.5
	Min		0.2	-0.8	2.8	4.2	10.3	13.9	14.3	14.2	13.2	10.1	2.6	-0.6	7.1
	Ave		7.4	6.8	9.8	12.1	15.7	19.2	19.6	18.9	18.7	15.4	9.8	5.9	13.3
Pemagatshel	Max		15.3	18.3	21.2	25.3	23.9	25.2	25.4	24.7	27.9	26.1	22.6	19.2	22.9
	Min		6.2	6.9	10.2	12.2	15.7	18.5	19.1	19.1	18.1	15.4	9.1	7.0	13.2
	Ave		10.8	12.6	15.7	18.7	19.8	21.8	22.3	21.9	23.0	20.8	15.9	13.1	18.0

Table 6.3.1: Monthly Maximum and Minimum Average Temperature by Dzongkhag, 2021

Dzongkhag/Station		Temperature												(Degree Celsius)			
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average			
Samdrup Jongkhar, Deothang	Max	19.5	21.4	23.8	26.5	25.5	26.0	26.2	26.0	28.9	27.5	25.3	22.9	25.0			
	Min	10.8	12.5	15.6	17.5	19.3	20.9	21.3	21.3	21.0	19.0	14.5	12.4	17.2			
	Ave	15.1	16.9	19.7	22.0	22.4	23.5	23.7	23.7	24.9	23.3	19.9	17.7	21.1			
Samtse, Sipsu	Max	22.5	25.6	27.7	30.2	28.3	28.6	29.1	28.6	31.4	30.0	27.4	25.1	27.9			
	Min	11.8	13.7	17.2	19.3	19.8	21.8	22.2	22.0	21.9	20.5	15.8	13.4	18.3			
	Ave	17.1	19.7	22.4	24.8	24.0	25.2	25.7	25.3	26.7	25.3	21.6	19.2	23.1			
Sarpang, Bhur	Max	14.2	16.2	20.3	22.6	22.7	23.8	24.7	24.0	24.3	23.3	20.3	16.8	21.1			
	Min	22.1	25.6	27.3	29.3	28.7	29.5	29.3	28.2	32.6	30.0	27.4	25.3	27.9			
	Ave	18.2	20.9	23.8	25.9	25.7	26.7	27.0	26.1	28.5	26.6	23.9	21.0	24.5			
Thimphu, Babesa	Max	12.9	15.1	17.1	19.9	21.1	24.7	24.8	24.6	24.8	22.9	18.1	14.9	20.1			
	Min	-1.5	-1.9	2.8	4.0	10.7	14.2	15.3	15.1	12.8	9.4	2.0	-2.7	6.8			
	Ave	5.7	6.6	9.9	12.0	15.9	19.5	20.1	19.9	18.8	16.2	10.1	6.1	13.4			
Trashigang, Kanglung	Max	15.0	18.6	20.6	23.7	22.4	24.2	23.7	23.8	25.6	23.5	19.2	17.2	21.5			
	Min	3.9	5.1	8.1	9.9	12.7	15.5	15.9	16.4	15.3	13.0	7.3	4.5	10.6			
	Ave	9.4	11.8	14.4	16.8	17.5	19.8	19.8	20.1	20.4	18.2	13.3	10.8	16.1			
Trashì Yangtse	Max	16.1	19.9	20.3	23.9	23.3	26.8	26.5	25.3	27.5	25.0	20.1	16.9	22.6			
	Min	2.4	2.4	6.5	7.4	12.8	16.4	17.0	19.3	16.8	12.8	6.3	1.9	10.2			
	Ave	9.2	11.2	13.4	15.7	18.1	21.6	21.8	22.3	22.2	18.9	13.2	9.4	16.4			
Trongsa	Max	13.5	16.0	16.8	20.2	19.8	22.4	23.1	22.6	25.4	23.1	17.9	15.5	19.7			
	Min	2.9	3.4	6.4	7.3	12.3	15.2	16.1	16.1	14.1	11.5	6.1	1.9	9.5			
	Ave	8.2	9.7	11.6	13.7	16.0	18.8	19.6	19.4	19.7	17.3	12.0	8.7	14.6			
Tsirang, Damphu	Max	14.7	15.3	18.0	20.6	21.7	22.8	23.8	23.5	24.5	22.6	20.4	20.1	20.7			
	Min	6.9	7.3	10.5	12.1	15.6	18.4	19.4	19.4	18.0	16.2	10.0	8.1	13.5			
	Ave	10.8	11.3	14.3	16.3	18.7	20.6	21.6	21.4	21.3	19.4	15.2	14.1	17.1			
Wangdue Phodrang, (RNRRC)	Max	19.2	21.9	23.5	27.5	26.9	29.2	29.5	28.4	29.9	27.7	23.1	20.8	25.6			
	Min	8.6	8.7	13.1	14.2	19.4	22.5	23.1	22.8	21.8	18.5	12.5	8.1	16.1			
	Ave	13.9	15.3	18.3	20.9	23.1	25.8	26.3	25.6	25.8	23.1	17.8	14.5	20.9			
Zhemgang	Max	13.3	15.6	18.3	21.5	21.4	23.4	24.2	23.7	25.2	22.3	17.7	14.7	20.1			
	Min	4.1	5.0	8.3	10.1	13.2	16.2	16.9	16.7	15.6	13.1	7.0	4.6	10.9			
	Ave	8.7	10.3	13.3	15.8	17.3	19.8	20.5	20.2	20.4	17.7	12.4	9.6	15.5			
Source : National Center for Hydrology and Meteorology, Thimphu																	

Source : National Center for Hydrology and Meteorology, Thimphu

Table 6.3.2: Annual Maximum, Minimum and Average Temperature by Dzongkhag, 2017 - 2021

		(Degree Celsius)				
Dzongkhag/Station	Temperature	2017	2018	2019	2020	2021
Bumthang, Chamkhar	Max	18.3	18.0	17.9	17.6	18.2
	Min	6.8	6.2	6.5	6.7	7.2
	Ave	12.5	12.1	12.2	12.1	12.7
Chhukha, Phuntsholing, CST	Max	28.9	28.9	28.8	27.8	28.7
	Min	19.3	17.1	16.9	16.3	16.1
	Ave	24.1	23.0	22.9	22.0	22.4
Dagana	Max	21.6	23.0	22.7	22.4	23.0
	Min	10.4	10.6	12.5	13.2	13.7
	Ave	16.0	16.8	17.6	17.8	18.3
Gasa	Max	15.7	14.4	14.5	14.3	15.0
	Min	5.0	4.6	4.7	4.5	4.9
	Ave	10.4	9.5	9.6	9.4	10.0
Haa	Max	15.9	15.3	15.3	14.9	15.0
	Min	4.6	4.3	4.5	4.6	4.9
	Ave	10.2	9.8	9.9	9.7	10.0
Lhuentse, Tangmachu	Max	27.8	28.6	27.5	26.6	26.8
	Min	14.0	13.2	13.7	13.8	14.9
	Ave	20.9	20.9	20.6	20.2	20.9
Monggar	Max	22.6	22.4	21.9	21.4	22.4
	Min	13.5	13.0	13.1	13.2	13.6
	Ave	18.0	17.7	17.5	17.3	18.0
Punakha	Max	28.8	28.3	26.7	28.3	28.9
	Min	15.2	15.0	16.5	15.9	16.6
	Ave	22.0	21.6	21.6	22.1	22.7
Paro	Max	20.2	19.8	19.6	19.0	19.5
	Min	6.1	5.8	6.3	6.4	7.1
	Ave	13.1	12.8	12.9	12.7	13.3
Pemagatshel	Max	22.0	22.0	21.8	21.4	22.9
	Min	13.1	12.5	12.5	12.5	13.2
	Ave	17.6	17.3	17.1	17.0	18.0
Deothang, Samdrup Jongkhar	Max	26.0	25.2	24.2	23.9	25.0
	Min	16.7	16.3	16.7	16.5	17.2
	Ave	21.3	20.7	20.4	20.2	21.1
Samtse, Sipsu	Max	29.1	28.1	27.9	27.2	27.9
	Min	18.5	17.9	17.9	17.9	18.3
	Ave	23.8	23.0	22.9	22.5	23.1
Sarpang, Bhur	Max	27.6	27.3	27.5	27.3	27.1
	Min	20.6	20.5	20.6	20.2	20.9
	Ave	24.1	23.9	24.1	23.7	24.5
Thimphu, Simtokha	Max	22.8	22.7	20.4	19.5	20.1
	Min	7.0	6.1	6.4	6.3	6.8
	Ave	14.9	14.4	13.4	12.9	13.4
Trashigang, Kanglung	Max	24.2	24.0	22.3	21.1	21.5
	Min	10.3	9.9	10.4	10.4	10.6
	Ave	17.2	16.9	16.3	15.7	16.1
Trashy Yangtse	Max	22.1	21.1	22.2	22.3	22.6
	Min	9.6	9.4	9.5	9.5	10.2
	Ave	15.9	15.3	15.8	15.9	16.4
Trongsa	Max	19.3	19.0	19.4	19.0	19.7
	Min	9.2	9.1	9.3	9.3	9.5
	Ave	14.3	14.1	14.3	14.1	14.6
Tsirang, Damphu	Max	21.1	20.7	20.6	20.1	20.7
	Min	13.6	13.0	13.2	13.1	13.5
	Ave	17.3	16.9	16.9	16.6	17.1
Wangdue Phodrang, (RNRRC)	Max	26.9	27.3	26.0	25.1	25.6
	Min	14.1	14.0	15.0	15.6	16.1
	Ave	20.5	20.7	20.5	20.4	20.9
Zhemgang	Max	20.6	20.5	20.1	20.0	20.1
	Min	11.6	10.8	10.8	10.7	10.9
	Ave	16.1	15.6	15.4	15.3	15.5

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

Table 6.3.4: Annual Rainfall at Existing Stations by Dzongkhag, 2017 - 2021

	(Millimeter)				
Dzongkhag/Station	2017	2018	2019	2020	2021
Bumthang, Chamkhar	765.8	531.2	618.7	652.8	670.7
Chhukha, Phuntsholing CST	5,014.9	6,145.7	5,463.6	3,986.9	3,150.7
Dagana, Dzong	1,145.7	833.7	985.9	1,316.7	884.0
Gasa, Khatey	2,369.9	2,361.4	1,980.9	2,508.3	2,455.4
Haa, Namjeyling	863.0	675.8	796.3	974.8	980.4
Lhuntse, Tangmachu	942.4	586.4	801.8	776.8	663.0
Monggar	1,010.2	673.4	1,065.2	1,039.9	834.4
Paro, DSC	389.7	313.0	423.0	472.7	550.9
Pema Gatshel	1,612.0	1,136.2	1,978.1	2,347.6	1,497.1
Punakha, Dzong	778.4	785.5	575.9	553.1	798.6
Samdrup Jongkhar, Deothang	3,481.7	3,277.4	4,240.7	4,824.6	2,783.5
Samtse, Sibsoo	5,767.6	4,912.7	5,266.6	6,324.2	5,991.3
Sarpang, Bhur	5,928.3	4,471.7	5,070.2	7,220.3	5,024.8
Thimphu, Babesa	608.0	394.1	462.1	490.1	575.1
Trashigang, Kanglung	1,122.4	855.6	1,219.1	1,348.4	1,055.3
Trashhi Yangtse	1,240.1	1,134.5	1,041.4	1,117.8	1,145.9
Trongsa	1,481.0	1,193.1	1,316.6	1,481.8	1,225.6
Tsirang, Damphu	1,440.8	1,230.6	1,253.0	1,907.0	1,301.5
Wangdue Phodrang, RNRRC	569.6	460.6	494.1	643.0	771.8
Zhemgang	1,452.3	1,024.1	1,451.8	1,494.2	1,343.9

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

Table 6.3.5: Monthly Average Relative Humidity by Dzongkhag and Station, 2021

Dzongkhag/Station	(Percent)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Bumthang, Chamkhar	73.3	73.5	74.4	66.1	71.0	67.0	78.6	79.0	71.9	74.0	76.0	76.7
Chhukha, Phuntsholing, CST	68.8	67.5	73.4	70.0	80.0	...	...	84.2	76.6	79.1	55.1	55.4
Dagana	57.4	47.4	57.8	48.6	80.0	89.6	88.9	93.0	77.4	73.3	56.0	51.7
Gasa	57.6	56.9	58.9	51.9	77.3	79.2	83.9	86.9	73.8	71.4	69.5	53.5
Haa	58.5	52.3	56.5	55.8	68.0	91.9	79.3	76.5	70.4	69.8	58.6	54.4
Lhuentse, Tangmachu	75.7	65.0	73.0	61.6	71.6	69.5	77.5	79.3	74.7	71.8	63.1	72.6
Monggar	74.3	56.3	68.9	59.5	79.2	82.4	85.8	86.2	78.7	74.1	68.1	67.7
Punakha	72.1	63.2	65.2	49.7	71.4	69.8	74.2	78.7	74.1	71.2	68.8	74.4
Paro	68.6	69.4	70.8	62.1	66.1	69.3	74.8	79.7	76.8	81.2	74.5	72.6
Pemagatshel	80.3	73.3	81.6	72.4	82.9	86.6	87.7	90.6	86.0	85.4	80.2	83.4
Samdrup Jongkhar, Deothang	70.8	53.2	61.1	63.5	85.3	93.4	92.1	94.4	79.2	73.7	57.8	56.3
Samtse, Sipsu	64.2	53.8	63.0	57.2	79.0	87.7	85.3	90.0	78.2	74.6	60.3	58.3
Sarpang, Bhur	77.4	65.4	71.9	69.1	86.0	93.8	92.5	95.7	82.2	80.0	67.0	67.7
Thimphu, Babesa	54.6	55.3	62.0	53.5	59.4	64.6	71.8	72.4	69.8	68.7	62.7	55.6
Trashigang, Kanglung	76.2	68.3	73.8	62.6	84.6	88.5	90.6	90.9	86.5	80.4	77.9	78.2
Trashigang, Yangtse	74.5	67.0	72.2	69.2	79.1	80.1	85.4	86.1	79.0	78.8	75.7	74.5
Trongsa	81.5	73.2	82.3	66.6	76.8	84.0	88.0	88.4	83.6	80.9	67.8	67.0
Tsirang, Dampchu	84.2	78.6	79.7	71.7	85.6	91.3	90.8	94.1	86.0	87.3	85.4	86.7
Wangdue Phodrang, (RNRRC)	83.1	80.8	81.2	66.1	77.0	76.7	80.9	84.6	74.2	77.1	75.8	82.9
Zhemgang	70.7	58.0	65.9	53.7	77.5	82.2	84.2	85.5	75.7	76.0	61.1	65.7
Average Humidity												73.5
												70.5
												68.6
												68.5
												66.1
												71.4
												73.6
												69.5
												72.2
												82.6
												73.6
												71.1
												79.2
												62.6
												80.0
												76.9
												78.4
												85.2
												78.4
												71.5

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

Table 6.3.6: Annual Average Relative Humidity by Dzongkhag, 2017 - 2021

	(Percent)				
Dzongkhag/Station	2017	2018	2019	2020	2021
Bumthang, Chamkhar	74.0	72.7	74.6	63.3	73.5
Chhukha, Phuntsholing, CST	74.5	75.8	75.3	76.5	70.5
Dagana	67.9	65.0	70.7	71.2	68.6
Gasa	69.9	68.0	70.8	69.8	68.5
Haa	63.0	61.2	62.4	62.4	66.1
Lhuentse, Tangmachu	71.0	70.8	74.1	74.5	71.4
Monggar	73.0	71.5	73.3	75.4	73.6
Punakha	72.7	75.1	75.3	74.1	69.5
Paro	63.4	65.1	68.3	70.9	72.2
Pemagatshel	83.7	82.7	83.4	84.8	82.6
Samdrup Jongkhar, Deothang	74.1	74.4	73.7	79.2	73.6
Samtse, Sipsu	70.8	71.3	70.8	73.3	71.1
Sarpang, Bhur	78.9	79.3	81.0	82.0	79.2
Thimphu, Babesa	54.0	53.4	66.6	65.2	62.6
Trashigang, Kanglung	74.7	76.7	77.7	79.4	80.0
Trashi Yangtse	73.2	77.7	76.9	78.0	76.9
Trongsa	76.7	79.1	79.0	81.7	78.4
Tsirang, Damphu	87.3	87.1	85.8	86.0	85.2
Wangdue Phodrang, (RNRRC)	75.2	74.7	78.8	78.1	78.4
Zhemgang	73.8	74.7	74.8	73.1	71.5

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

Table 6.4.1: Mineral Production by Type, 2017 - 2021

Minerals	2017			2018			2019			2020			2021		
	Quantity (MT)	Value (Nu. In million)		Quantity (MT)	Value (Nu. In million)		Quantity (MT)	Value (Nu. In million)		Quantity (MT)	Value (Nu. In million)		Quantity (MT)	Value (Nu. In million)	
Dolomite	2,536,693.31	2,686.30		2,821,166.44	2,972.10		3,027,517.70	4,314.20		1,232,106.76	4,314.20		2,041,154.90	2,449.39	
Calc Tufa	...	...		12,323.80	5.50		22,079.14	9.90		3,753.12	9.90		0.00	0.00	
Coal	161,526.74	992.80		186,823.75	1,158.80		184,784.48	1,144.00		72,838.11	1,144.00		111,544.69	577.92	
Granite	26,364.04	9.20		6,079.76	2.10		3,391.30	1.20		3,586.01	1.20		47,334.35	14.20	
Gypsum	328,127.99	547.10		461,128.12	748.20		490,595.50	815.80		331,049.57	815.80		403,752.98	754.85	
Iron Ore	32,974.37	85.70		37,843.08	98.40		36,864.20	95.80		14,734.12	95.80		25,916.73	68.68	
Limestone	1,235,161.67	2,601.90		1,344,037.86	2,833.10		1,546,302.14	3,296.40		817,458.68	3,296.40		1,295,516.90	2,394.24	
Marble	96,567.10	217.90		188,900.53	427.20		94,318.33	216.50		8,874.40	216.50		84,034.55	183.33	
Phyllite	61,910.29	18.80		53,188.53	16.70		78,246.35	23.50		42,178.12	23.50		45,083.43	13.53	
Quartzite	175,501.08	175.50		145,713.93	145.70		141,065.90	141.10		150,131.31	141.10		123,320.32	160.32	
Construction Stones	3,828,254.00	615.30		3,730,975.36	687.70		3,325,418.60	2,353.80		2,157,386.97	2,353.80		1,806,488.88	654.29	
Talc	1,293.20	3.90		2,042.46	6.10		1,374.75	4.10		972.09	4.10		677.88	2.02	

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, 2017 - 2021

Minerals	2017			2018			2019		
	Export	Domestic Use	Total	Export	Domestic Use	Total	Export	Domestic Use	Total
Dolomite	2,546,210.0	46.0	2,546,256.0	2,816,805.6	4,360.9	2,821,166.4	3,027,517.7	0	3,027,517.7
Calc Tufa	...	...	...	...	12,323.8	12,323.8	...	22,079.1	22,079.1
Coal	18,931.0	142,596.0	161,527.0	26,915.6	159,908.2	186,823.8	25,610.1	159,174.4	184,784.5
Granite	0	26,423.0	26,423.0	0	6,079.8	6,079.8	0	3,391.3	3,391.3
Gypsum	269,385.0	58,743.0	328,128.0	377,196.6	83,931.6	461,128.1	417,159.0	73,436.5	490,595.5
Iron Ore	...	32,974.0	32,974.0	...	37,843.1	37,843.1	...	36,864.2	36,864.2
Limestone	40,121.0	1,195,041.0	1,235,162.0	53,344.7	1,290,693.2	1,344,037.9	245,946.0	1,300,356.2	1,546,302.1
Marble	75,655.0	20,912.0	96,567.0	152,585.2	36,315.4	188,900.5	92,330.5	1,987.8	94,318.3
Phyllite	771.0	61,139.0	61,910.0	91.0	53,097.5	53,188.5	662.1	77,584.3	78,246.4
Quartzite	0	175,501.0	175,501.0	0	145,713.9	145,713.9	0	141,065.9	141,065.9
Construction Stone	299,369.0	3,528,885.0	3,828,254.0	624,125.5	3,106,849.9	3,730,975.4	874,183.7	2,451,234.9	3,325,418.6
Talc	1,293.0	0	1,293.0	1,389.1	653.4	2,042.5	1,374.8	0	1,374.8

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

Table 6.4.2: Mineral Production by Type and Use, 2017 - 2021

Minerals	(Metric tonnes)					
	2020			2021		
	Export	Domestic Use	Total	Export	Domestic Use	Total
Dolomite	1,232,106.8	0	1,232,106.8	2,041,154.9	0	2,041,154.9
Calc Tufa	0	3,753.1	3,753.1	0	0	0
Coal	274.1	72,564.0	72,838.1	0	111,544.7	111,544.7
Granite	0	3,568.0	3,568.0	0	47,334.4	47,334.4
Gypsum	282,589.5	48,460.1	331,049.6	372,128.3	31,624.7	403,753.0
Iron Ore	0	14,734.1	14,734.1	0	25,916.7	25,916.7
Limestone	182,900.9	634,557.8	817,458.7	219,105.9	1,076,411.0	1,295,516.9
Marble	0	8,874.4	8,874.4	62,532.7	21,501.8	84,034.6
Phyllite	0	42,178.1	42,178.1	0	45,083.4	45,083.4
Quartzite	8,807.6	141,323.7	150,131.3	0	123,320.3	123,320.3
Construction Stone	323,077.5	1,834,309.5	2,157,387.0	374,485.0	1,432,003.9	1,806,488.9
Talc	972.1	0	972.1	669.9	8.0	677.9

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

Table 6.4.3: Number of Mines and quarries by Type and Dzongkhag, 2021

Dzongkhag	(Number)												Total
	Calc Tufa	Coal	Construc tion stone	Dolo mite	Granite	Gypsum	Lime stone	Marble	Iron Ore	Phyllite	Quartzite	Talc	
Bumthang	0	0	4	0	0	0	0	0	0	0	0	0	4
Chhukha	0	0	4	0	0	0	0	0	0	0	5	1	10
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	4	0	0	0	0	0	0	0	0	0	4
Paro	0	0	5	0	0	0	1	0	0	0	0	0	6
Pema Gatsel	0	0	4	0	0	3	2	0	0	0	0	0	9
Punakha	0	0	0	0	0	0	0	0	0	0	0	0	0
Samdrup Jongkhar	0	5	0	0	0	0	0	0	0	0	0	0	5
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	3	0	0	0	0	0	0	0	0	0	3
Trashig Yangtse	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	1	0	0	0	0	0	0	0	0	0	1
Wangdue Phodrang	0	0	9	0	1	0	0	0	0	0	0	0	10
Zhemgang	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	5	52	1	1	3	7	2	1	0	10	1	84

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 and 2021

(µg/m³)

Parameters	Average	2020			2021		
		Industrial Area	Mixed Area	Sensitive Area	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 - 2021

Air Quality Parameters/Station	Unit	2017	2018	2019	2020	2021
Total suspended particulate matter (PM10)	(µg/m3)					
Thai Pavilion, Thimphu		36.86	25.72	27.78	19.41	16.88
Rinchending, Phuentsholing		...	40.05	44.28	34.83	19.14
Pasakha, Phuentsholing		...	0.00	80.75	139.00	136.99
Deothang		...	0.00	63.18	46.21	43.16
Total suspended particulate matter (PM2.5)	(µg/m3)					
Thai Pavilion, Thimphu		22.44	17.36	19.84	14.03	16.21
Centenary Park, Thimphu			6.68	8.12	9.78	31.05
Rinchending, Phuentsholing		...	23.75	28.21	23.44	17.67
Pasakha, Phuentsholing			0.00	171.03	513.66	230.92
Sulphur Dioxide (SO₂)	(µg/m3)					
Thai Pavilion, Thimphu		0.20	0.32	0.49	...	...
Nitrogen Oxides (NO_x)	(µg/m3)					
Thai Pavilion, Thimphu		5.06	6.76	16.93	...	...
Black Carbon	ng/m3					
Chelela		...	...	...	526.62	...

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

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

Greenhouse Gas Sector/Source	Unit	Carbon Dioxide (CO ₂)		Methane (CH ₄)		Nitrous Oxide (N ₂ O)		Total
		Gg	Gg CO ₂ eq	Gg	Gg CO ₂ eq	Gg	Gg CO ₂ eq	
1. Energy								
1.A - Fuel Combustion Activities			691.56	0.36	7.59	0.03	8.77	707.92
1.A.1 - Energy Industries			691.18	0.29	6.03	0.03	8.77	705.99
1.A.2 - Manufacturing Industries and Construction			0.01	0.00	0.00	0.00	0.00	0.01
1.A.3 - Transport			241.62	0.03	0.58	0.00	1.26	243.46
1.A.4 - Other Sectors			417.01	0.06	1.17	0.02	6.64	424.83
1.B - Fugitive emissions from fuels			32.53	0.20	4.28	0.00	0.87	37.68
1.B.1 - Solid Fuels			0.37	0.07	1.56	...	...	1.93
			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 - LULUCF¹			...	...	...	...	...	...
3.C - Aggregate sources and non-CO2 emissions sources			1.07	2.52	52.99	0.35	109.34	163.40
3.C.3 - Urea application			1.07	...	...	...	...	1.07
3.C.4 - Direct N2O Emissions from managed soils			...	...	...	0.33	102.94	102.94
3.C.5 - Indirect N2O Emissions from managed soils			...	...	...	0.00	0.04	0.04
3.C.6 - Indirect N2O 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)

¹ emission from LULUCF is added separately due to computation difference

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

CHAPTER 7

INDUSTRIES

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, 2018- 2022

Industrial Establishments	As of June 2018	As of June 2019	As of June 2020	As of June 2021	As of June 2022
Sector	22,437	24,595	23,133	22,267	27,290
Production & manufacturing	2,539	3,018	2,845	2,766	3,375
Contract	3,452	3,295	2,269	17,371	2,387
Services	16,446	18,282	18,019	2,130	21,528
Size	22,437	24,595	23,133	22,267	27,290
Production & manufacturing	2,539	3,018	2,845	2,766	3,375
Large scale	111	127	124	96	101
Medium scale	202	231	137	173	188
Small scale	600	778	794	881	1,394
Cottage scale	1,626	1,882	1,790	1,616	1,692
Services	16,446	18,282	18,019	17,388	21,528
Large scale	122	150	135	130	139
Medium scale	323	388	306	267	285
Small scale	1,810	1,773	1,923	2,744	14,160
Cottage scale	14,191	15,971	15,655	14,247	6,944
Contract	3,452	3,295	2,269	2,113	2,387
Large scale	261	275	114	117	147
Medium scale	1,020	1,096	276	263	314
Small scale	2,171	1,924	1,879	1,733	1,926
Ownership	22,437	24,595	23,133	22,267	27,290
Sole proprietorship	21,372	23,372	22,086	21,207	26,161
Partnership	244	302	295	278	300
Company	749	843	685	722	765
Others	72	78	67	60	64

Note: The data from June 2020 to 2022 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, 2018 - 2022

Sector	As of June 2018	As of June 2019	As of June 2020	As of June 2021	As of June 2022
Production & manufacturing	313	358	261	269	289
New licenses issued	3	44	16	37	20
Existing active licenses	310	314	245	232	269
Services	445	538	441	397	424
New licenses issued	47	93	36	12	27
Existing active licenses	398	445	405	385	397
Contract	1,281	1,371	390	380	461
New licenses issued	26	90	12	17	81
Existing active licenses	1,255	1,281	378	363	380
All sectors	2,039	2,267	1,092	1,046	1,174

Note: The data from June 2020 to 2022 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, 2018 - 2022

Sector	As of June 2018	As of June 2019	As of June 2020	As of June 2021	As of June 2022
Production & Manufacturing	2,226	2,660	2,584	2,497	3,086
New licenses and RC issued	511	579	76	88	1,867
Existing active licenses and RC	1,715	2,081	2,508	2,409	1,219
Services	16,401	17,744	17,578	16,991	21,104
New licenses and RC issued	2,688	3,411	396	587	11,960
Existing active licenses and RC	13,713	14,333	17,182	16,404	9,144
Contract	2,171	1,924	1,879	1,733	1,926
New licenses and RC issued	292	214	45	145	114
Existing active licenses and RC	1,879	1,710	1,834	1,588	1,812
All sectors	20,798	22,328	22,041	21,221	26,116

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, 2018 - 2022

Year	Ownership	Production & Manufacturing	Services	Contract	Total
As of June 2022	Sole Proprietorship	99	273	287	659
	Partnership	16	25	0	41
	Company	172	125	174	471
	Others	2	1	0	3
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

Note: The data from June 2020 to 2022 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, 2018- 2022

Year	Ownership	Production & Manufacturing	Services	Contract	All Types
As of June 2022	Sole Proprietorship	2,933	20,646	1,923	25,502
	Partnership	64	195	0	259
	Company	56	235	3	294
	Others	32	29	0	61
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

Source: Department of Cottage & Small Industry, MoEA

Table 7.6: Number of Production and Manufacturing Firms by Size and Dzongkhag as of June 2022

Dzongkhag	Cottage	Small	Medium	Large	All Types
Bumthang	51	91	1	0	143
Chhukha	111	120	54	36	321
Phuentsholing Thromde	23	51	37	26	137
Other than Phuentsholing Thromde	88	69	17	10	184
Dagana	41	41	2	1	85
Gasa	4	1	0	0	5
Haa	22	50	0	0	72
Lhuentse	28	12	0	0	40
Monggar	62	58	4	3	127
Paro	206	149	5	2	362
Pema Gatshel	33	19	4	6	62
Punakha	51	32	2	0	85
Samdrup Jongkhar	51	52	15	12	130
Samdrup Jongkhar Thromde	9	20	2	3	34
Other than Samdrup Jongkhar Thromde	42	32	13	9	96
Samtse	66	92	36	18	212
Sarpang	90	158	13	10	271
Gelephu Thromde	15	29	2	0	46
Other than Gelephu Thromde	75	129	11	10	225
Thimphu	520	346	26	9	901
Thimphu Thromde	358	225	3	3	589
Other than Thimphu Thromde	162	121	23	6	312
Trashigang	90	54	3	0	147
Trashi Yangtse	90	21	2	0	113
Trongsa	23	18	2	1	44
Tsirang	53	19	2	0	74
Wangdue Phodrang	62	40	16	3	121
Zhemgang	38	21	1	0	60
Total	1,692	1,394	188	101	3,375

Note: The data from June 2020 and 2022 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 2022

Dzongkhag	Cottage	Small	Medium	Large	All Types
Bumthang	167	438	9	3	617
Chhukha	778	1,365	22	6	2,171
Phuentsholing Thromde	423	671	21	6	1,121
Other than Phuentsholing Thromde	355	694	1	0	1,050
Dagana	146	409	0	0	555
Gasa	23	59	0	0	82
Haa	78	113	6	0	197
Lhuentse	60	144	0	0	204
Monggar	227	582	3	0	812
Paro	560	1,052	67	23	1,702
Pema Gatshel	157	414	1	1	573
Punakha	268	442	17	9	736
Samdrup Jongkhar	244	601	6	2	853
Samdrup Jongkhar Thromde	125	230	4	2	361
Other than Samdrup Jongkhar Thromde	119	371	2	0	492
Samtse	375	853	4	1	1,233
Sarpang	356	1,668	8	2	2,034
Gelephu Thromde	209	461	6	0	676
Other than Gelephu Thromde	147	1,207	2	2	1,358
Thimphu	2,580	4,014	119	82	6,795
Thimphu Thromde	2,347	3,671	111	78	6,207
Other than Thimphu Thromde	233	343	8	4	588
Trashigang	224	401	1	2	628
Trashy Yangtse	81	161	1	0	243
Trongsa	100	325	6	0	431
Tsirang	130	239	2	0	371
Wangdue Phodrang	291	600	11	8	910
Zhemgang	99	280	2	0	381
Total	6,944	14,160	285	139	21,528

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

Table 7.8: Number of Contract Firm by Size and Dzongkhag as of June 2022

Dzongkhag	Small	Medium	Large	All Types
Bumthang	48	8	3	59
Chhukha	178	26	15	219
Phuentsholing Thromde	58	14	12	84
Other than Phuentsholing Thromde	120	12	3	135
Dagana	66	3	0	69
Gasa	22	1	0	23
Haa	45	9	1	55
Lhuentse	39	6	2	47
Monggar	74	17	3	94
Paro	122	20	11	153
Pema Gatshel	48	8	2	58
Punakha	72	10	3	85
Samdrup Jongkhar	90	17	8	115
Samdrup Jongkhar Thromde	64	16	8	88
Other than Samdrup Jongkhar Thromde	26	1	0	27
Samtse	99	11	4	114
Sarpang	118	17	23	158
Gelephu Thromde	75	16	16	107
Other than Gelephu Thromde	53	1	7	61
Thimphu	495	99	58	652
Thimphu Thromde	450	95	57	602
Other than Thimphu Thromde	35	4	1	40
Trashigang	82	14	8	104
Trashy Yangtse	65	11	4	80
Trongsa	70	8	1	79
Tsirang	51	1	0	52
Wangdue Phodrang	73	12	4	89
Zhemgang	69	10	3	82
Total	1,926	308	153	2,387

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 2022

Dzongkhag	Production & Manufacturing				Services	Contract	All Types
	Agro Based	Forest Based	Mineral Based	Other			
Bumthang	36	90	7	9	605	48	795
Chhukha	108	54	19	50	2143	178	2,552
Phuentsholing Thromde	19	21	3	31	1,094	58	1,226
Other than Phuentsholing Thromde	89	33	16	19	1,049	120	1,326
Dagana	35	29	10	8	555	66	703
Gasa	3	1	1	0	82	22	109
Haa	12	50	4	6	191	45	308
Lhuentse	12	23	1	4	204	39	283
Monggar	25	72	9	14	809	74	1,003
Paro	106	175	25	49	1,612	122	2,089
Pema Gatshel	10	29	7	6	571	48	671
Punakha	35	30	4	14	710	72	865
Samdrup Jongkhar	23	45	14	21	845	90	1,038
Samdrup Jongkhar Thromde	10	6	4	14	355	64	453
Other than Samdrup Jongkhar Thromde	12	39	10	7	490	26	584
Samtse	61	40	23	34	1,228	99	1,485
Sarpang	105	60	30	53	2024	118	2,390
Gelephu Thromde	13	8	3	20	670	75	789
Other than Gelephu Thromde	92	52	27	33	1,354	53	1,611
Thimphu	231	221	20	394	6594	495	7,955
Thimphu Thromde	68	43	0	1	6,018	450	6,580
Other than Thimphu Thromde	163	178	20	393	576	45	1,375
Trashigang	47	58	12	13	625	82	837
Trashi Yangtse	9	99	2	6	242	65	423
Trongsa	18	19	3	10	425	70	545
Tsirang	34	32	3	3	369	51	492
Wangdue Phodrang	23	55	12	12	891	73	1,066
Zhemgang	20	29	6	4	379	69	507
Total	953	1,211	212	710	21,104	1,926	26,116

Source: Department of Cottage & Small Industry, MoEA.

Table 7.10: Number of Large and Medium Industries by Type and Dzongkhag as of June 2022

Dzongkhag	Production & Manufacturing				Services	Contract	All Types
	Agro Based	Forest Based	Mineral Based	Other			
Bumthang	0	0	1	0	12	11	24
Chhukha	21	1	25	43	28	41	159
Phuentsholing Thromde	19	0	15	29	27	26	116
Other than Phuentsholing Thromde	2	1	10	14	1	15	43
Dagana	0	0	2	1	0	3	6
Gasa	0	0	0	0	0	1	1
Haa	0	0	0	0	6	10	16
Lhuentse	0	0	0	0	0	8	8
Monggar	2	1	3	1	3	20	30
Paro	2	0	4	1	90	31	128
Pema Gatsel	0	0	8	2	2	10	22
Punakha	2	0	0	0	26	13	41
Samdrup Jongkhar	6	4	11	6	8	25	60
Samdrup Jongkhar Thromde	1	2	1	1	6	24	35
Other than Samdrup Jongkhar Thromde	5	2	10	5	2	1	25
Samtse	12	3	29	10	5	15	74
Sarpang	9	3	6	5	10	40	73
Gelephu Thromde	0	1	0	1	6	32	40
Other than Gelephu Thromde	9	2	6	4	4	8	33
Thimphu	7	8	11	9	201	157	393
Thimphu Thromde	1	1	1	3	189	152	347
Other than Thimphu Thromde	6	7	10	6	12	5	46
Trashigang	1	0	2	0	3	22	28
Trashy Yangtse	0	0	2	0	1	15	18
Trongsa	0	0	2	1	6	9	18
Tsirang	1	0	1	0	2	1	5
Wangdue Phodrang	3	0	13	3	19	16	54
Zhemgang	0	0	1	0	2	13	16
Total	66	20	121	82	424	461	1,174

Source: Department of Industry, MoEA.

Table 7.11: Number of Foreign Direct Investment by Sector and Dzongkhag as of June 2022

Dzongkhag	Production and Manufacturing				Services			Contract	All Types
	Agro	Forest	Mineral	others	financial services	Hotel	IT/ITES		
Bumthang	0	0	0	0	0	3	0	0	3
Chhukha	1	0	3	6	0	0	0	0	10
Phuentsholing Thromde	1	0	3	4	0	0	0	0	8
Other than Phuentsholing Thromde	0	0	0	2	0	0	0	0	2
Dagana	0	0	0	1	0	0	0	0	1
Gasa	0	0	0	0	0	0	0	0	0
Haa	0	0	0	0	0	0	0	0	0
Lhuentse	0	0	0	0	0	0	0	0	0
Monggar	1	0	0	0	0	0	0	0	1
Paro	0	0	0	1	0	15	0	0	16
Pema Gatshel	0	0	0	0	0	0	0	0	0
Punakha	0	0	0	0	0	6	0	0	6
Samdrup Jongkhar	0	0	2	3	0	0	0	0	5
Samdrup Jongkhar Thromde	0	0	1	1	0	0	0	0	2
Other than Samdrup Jongkhar Thromde	0	0	1	2	0	0	0	0	3
Samtse	2	1	0	0	0	0	0	0	3
Sarpang	1	0	3	1	0	0	0	1	6
Gelephu Thromde	0	0	0	0	0	0	0	0	0
Other than Gelephu Thromde	1	0	3	1	0	0	0	1	6
Thimphu	1	1	1	1	6	2	5	4	22
Thimphu Thromde	0	0	1	0	6	2	3	3	16
Other than Thimphu Thromde	1	1	0	1	0	0	2	1	6
Trashigang	0	0	0	0	0	0	0	0	0
Trashigang Thromde	0	0	0	0	0	0	0	0	0
Trongsa	0	0	0	0	0	1	0	0	1
Tsirang	0	0	0	0	0	0	0	0	0
Wangdue Phodrang	0	0	0	2	0	4	0	0	6
Zhemgang	0	0	0	0	0	1	0	0	1
Total	6	2	9	15	6	32	5	5	81

Source: Department of Industry, MoEA.

Table 7.12: Number of Trade Licenses by Categories and Size, 2018 - 2022

License Category	As of June 2018	As of June 2019	As of June 2020	As of June 2021	As of June 2022
Micro Trade Registration Certificate	6,159	7,813	9,390	11,610	13,044
Retail Trade	4,797	5,873	6,979	9,422	12,789
Large scale	34	53	35	58	517
Medium scale	48	79	62	120	688
Small scale	676	944	1,009	2,265	11,584
Wholesale Trade	494	609	690	811	1,047
All sectors	11,450	14,295	17,059	21,843	26,880

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, 2018 - 2022

License Category	As of June 2018	As of June 2019	As of June 2020	As of June 2021	As of June 2022
Micro Trade Registration Certificate	6,159	7,813	9,390	11,610	13,044
New licenses issued	831	1,654	1,577	2,220	2,417
Existing active licenses	5,328	6,159	7,813	9,390	10,627
Retail Trade	4,797	5,873	6,979	9,422	12,789
New licenses issued	758	1,076	1,106	2,443	3,864
Existing active licenses	4,039	4,797	5,873	6,979	8,925
Wholesale Trade	494	609	690	811	1,047
New licenses issued	80	115	81	121	231
Existing active licenses	414	494	609	690	816
All sectors	11,450	14,295	17,059	21,843	26,880

Source: Department of Trade, MoEA

Table 7.14: Number of Trade Licenses by Dzongkhag as of June 2022

Dzongkhag	Micro Trade Registration Certificate	Retail Trade	Wholesale Trade	All Types
Bumthang	306	238	15	559
Chhukha	1,171	1,427	204	2,802
Phuentsholing Thromde	309	1,120	172	1,601
Other than Phuentsholing Thromde	862	307	32	1,201
Dagana	575	218	15	808
Gasa	84	25	0	109
Haa	152	115	14	281
Lhuentse	137	109	13	259
Monggar	461	315	23	799
Paro	947	964	46	1,957
Pema Gatshel	260	351	29	640
Punakha	586	367	17	970
Samdrup Jongkhar	378	576	49	1,003
Samdrup Jongkhar Thromde	69	304	37	410
Other than Samdrup Jongkhar Thromde	309	272	12	593
Samtse	1,512	672	59	2,243
Sarpang	1,303	746	70	2,119
Gelephu Thromde	364	447	47	858
Other than Gelephu Thromde	939	299	23	1,261
Thimphu	2,703	5,287	386	8,376
Thimphu Thromde	2,393	4,891	365	7,649
Other than Thimphu Thromde	310	396	21	727
Trashigang	572	247	37	856
Trashigang Yangtse	211	127	13	351
Trongsa	243	177	8	428
Tsirang	464	186	16	666
Wangdue Phodrang	712	477	17	1,206
Zhemgang	267	165	16	448
Total	13,044	12,789	1,047	26,880

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
Trashi 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	100.0

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.

CHAPTER 8

TRANSPORT AND COMMUNICATIONS

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 2022, Bhutan has a road network of 18,270.16 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 2022, there are 122,865 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 2021, 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 July 2022

Type of Bridges	Number	Total Length (M)
Permanent Bridges		
Reinforced Concrete T Beam / T-Girder/Box Grid	67	1,344.60
Reinforced Cement Concrete Slab	35	467.75
Pre-Stressed Concrete	30	1,714.90
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	5,572.79
Bailey Suspension Bridge	6	695.13
Total	382	13,957.42

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 2022

Dzongkhag	Composite			RCC Slab			RCC T-Beam/Girder			RCC Arch			Multicell Box culvert			Pre-Stressed Concrete		
	Number	Total Length	Number	Total Length	Number	Total Length	Number	Total Length	Number	Total Length	Number	Total Length	Number	Total Length	Number	Total Length	Number	Total Length
Bumthang	1	40.00	2	15.50	8	152.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Chhukha	1	9.00	1	126.00	2	44.00	0	0.00	0	0.00	0	0.00	2	80.00	6	507.55	0	0.00
Dagana	0	0.00	1	8.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	40.00	0	0.00
Gasa	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Haa	0	0.00	0	0.00	3	52.70	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Lhuentse	0	0.00	3	30.00	1	16.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Monggar	0	0.00	4	45.00	6	91.90	0	0.00	0	0.00	0	0.00	0	0.00	1	116.20	0	0.00
Paro	2	111.00	1	15.90	2	21.00	0	0.00	0	0.00	1	18.00	0	0.00	3	163.00	0	0.00
Pema Gatshel	0	0.00	0	0.00	5	117.00	1	118.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Punakha	0	0.00	1	12.00	1	20.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Samdrup Jongkhar	5	61.00	0	0.00	2	42.20	1	19.00	0	0.00	0	0.00	0	0.00	1	50.00	0	0.00
Samtse	0	0.00	0	0.00	3	70.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Sarpang	8	78.00	2	19.20	5	64.00	0	0.00	0	0.00	5	308.00	0	0.00	6	301.15	0	0.00
Thimphu	0	0.00	5	48.00	10	258.30	1	126.00	0	0.00	0	0.00	0	0.00	3	75.00	0	0.00
Trashigang	1	35.00	3	26.05	5	138.00	0	0.00	0	0.00	0	0.00	0	0.00	1	30.00	0	0.00
Trashiyangtse	0	0.00	4	34.30	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Trongsa	2	69.00	2	13.00	3	78.00	0	0.00	0	0.00	0	0.00	0	0.00	1	46.50	0	0.00
Tsirang	0	0.00	2	31.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	2	95.00	0	0.00
Wangdue Phodrang	1	45.00	2	24.00	4	63.80	1	120.00	0	0.00	0	0.00	0	0.00	4	162.50	0	0.00
Zhemgang	3	80.00	2	19.80	7	115.70	0	0.00	0	0.00	0	0.00	0	0.00	1	128.00	0	0.00
Total	24	528.00	35	467.75	67	1,344.60	4	383.00	8	406.00	30	1,714.90	8	406.00	30	1,714.90	30	1,714.90

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 2022

Dzongkhag	Steel Arch			Steel Truss/Girder			Steel Pony Truss			Steel Hemilton			Bailey Suspension Bridge			Bailey Bridge		
	Number	Total Length	Number	Total Length	Number	Total Length	Number	Total Length	Number	Total Length	Number	Total Length	Number	Total Length	Number	Total Length	Number	Total Length
Bumthang	0	0.00	0	0.00	1	50.00	0	0.00	0	0.00	0	0.00	0	0.00	5	128.05		
Chhukha	0	0.00	1	395.00	3	0.00	5	144.00	0	0.00	0	0.00	0	0.00	7	295.74		
Dagana	1	95.20	0	57.60	1	0.00	0	0.00	0	0.00	0	0.00	0	0.00	9	185.98		
Gasa	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	5	146.35		
Haa	0	0.00	1	115.00	2	0.00	0	0.00	0	0.00	0	0.00	0	0.00	5	225.61		
Lhuentse	1	70.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	15	475.62		
Monggar	0	0.00	2	64.00	1	54.00	0	0.00	0	0.00	1	121.95	12	326.22				
Paro	0	0.00	2	134.00	0	0.00	0	0.00	0	0.00	0	0.00	10	341.48				
Pema Gatsel	0	0.00	1	50.00	0	0.00	0	0.00	0	0.00	0	0.00	7	222.55				
Punakha	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	9	344.51				
Samdrup Jongkhar	0	0.00	0	80.00	1	0.00	1	60.00	0	0.00	0	0.00	12	371.38				
Samtse	1	175.00	0	0.00	0	0.00	1	36.60	3	353.66	14	716.45						
Sarpang	1	70.00	1	120.00	0	0.00	0	0.00	0	0.00	0	0.00	6	326.27				
Thimphu	2	126.00	1	40.00	0	0.00	0	0.00	0	0.00	0	0.00	8	185.96				
Trashigang	0	0.00	1	90.00	0	0.00	0	0.00	1	109.76	10	320.15						
Trashiyangtse	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	6	225.63				
Trongsa	0	0.00	3	133.60	1	43.00	0	0.00	1	109.76	8	240.84						
Tsirang	1	86.00	0	0.00	0	0.00	0	0.00	0	0.00	2	67.08						
Wangdue Phodrang	0	0.00	1	33.00	1	43.00	0	0.00	0	0.00	7	143.39						
Zhemgang	4	437.05	1	43.20	0	0.00	0	0.00	0	0.00	7	283.53						
Total	11	1,059.25	15	1,355.40	11	190.00	7	240.60	6	695.13	164	5572.79						

Source: Bridge Division, Department of Roads, MoWHs.

Table 8.1.3: Number of Pedestrian Bridges Constructed Since 5th Five Year Plan by Dzongkhag as of June 2022

Dzongkhag	IV & Before	Five Year Plans periods								Total Constructed		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: Trail Bridge Section, Bridge Division, Department of Roads, MoWHS, Thimphu.

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

Table 8.1.4: Length of Roads by Type, 2018 - 2022

Type of Road	(km)						
	Asian Highway	Express-way	Primary National Highway	Secondary National Highway	Dzongkhag Road	Urban Road	Farm Road
As of June 2022	142.90	6.20	1,528.18	1,162.64	2,072.86	417.08	11,257.38
Black topped	142.90	6.20	1528	978.65	1,198.26	402.77	150.92
Non-black topped	0.00	0.00	0.00	183.99	874.60	14.31	11,106.46
As of June 2021	142.90	6.20	1,531.09	1,160.74	2,072.86	417.08	11,257.16
Black topped	142.90	6.20	1,531.09	969.30	1,198.26	402.77	150.92
Non-black topped	0.00	0.00	0.00	191.44	874.60	14.31	11,106.24
As of June 2020		6.20	1,682.59	1,152.14	2,071.16	417.08	11,257.16
Black topped		6.20	1,682.59	937.65	1,163.38	402.77	150.92
Non-black topped		0.00	0.00	214.49	907.78	14.31	11,106.24
As of June 2019		6.20	1,772.39	997.58	2,060.43	417.08	11,292.29
Black topped		6.20	1,730.35	792.53	1,190.85	402.77	12.60
Non-black topped		0.00	42.04	205.05	869.59	14.31	11,279.69
As of June 2018		6.20	1,822.65	903.28	2,004.69	417.11	11,292.29
Black topped		6.20	1,733.85	677.93	1,135.11	402.8	12.60
Non-black topped		0.00	88.80	225.35	869.59	14.31	11,279.69
							1,228.38
							13,706.12

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. 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 June 2022

Dzongkhag	(Km)						All roads
	Express-way	Primary National	Secondary National	Dzongkhag Road 2	Urban Road 1	Farm Road	
Bumthang	0.00	86.78	67.00	19.56	1.70	181.44	462.73
Chhukha	0.00	220.65	45.28	188.41	28.58	511.46	1,192.11
Dagana	0.00	17.60	173.77	124.62	1.50	715.23	1,082.27
Gasa	0.00	0.00	46.30	26.10	0.00	37.03	111.68
Haa	0.00	0.00	154.24	19.10	7.93	279.33	541.6
Lhuentse	0.00	0.00	104.50	52.62	0.77	580.40	889.42
Monggar	0.00	222.45	8.00	312.69	11.96	1,424.57	2,044.70
Paro	0.00	38.60	83.00	30.42	5.20	578.96	818.42
Pema Gatsel	0.00	106.60	119.00	150.47	0.00	816.17	1,234.50
Punakha	0.00	53.00	30.10	41.01	4.41	522.88	755.27
Samdrup Jongkhar	0.00	60.00	74.00	119.34	7.32	394.04	696.36
Samtse	0.00	55.00	128.50	109.89	8.25	940.33	1,257.47
Sarpang	0.00	118.00	0.00	107.16	15.82	616.95	1,024.59
Thimphu	6.20	37.50	7.15	40.72	281.80	139.31	771.72
Trashigang	0.00	116.90	16.00	275.88	6.60	841.19	1,285.06
Trashi Yangtse	0.00	45.00	0.00	71.45	8.72	524.90	678.12
Trongsa	0.00	146.50	36.00	39.46	0.62	333.20	565.57
Tsirang	0.00	61.00	2.30	81.51	3.30	646.23	815.65
Wangdue Phodrang	0.00	131.00	5.50	103.41	8.50	759.06	1,188.30
Zhemgang	0.00	154.50	62.00	159.04	14.10	414.70	854.62
Total	6.20	1,671.08	1,162.64	2,072.86	417.08	11,257.38	18,270.16

Note: No Dzongkhag wise details on Urban and Access road is available except for whole total. (Access roads shall include Private roads and Institutional roads)

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.

Table 8.2.1: Number of Registered Vehicles by Type and Region, 2018 - 2022

Region	Government								Total
	Heavy	Medium	Light	Two-Wheeler	Power Tiller	Tractor	Earth Moving Equipments	Electric Vehicle	
As of June 2022	1,437	353	3,175	1,508	751	172	451	59	7,906
Thimphu	624	90	1,866	489	550	81	163	46	3,909
Phuntsholing	664	192	775	659	19	22	119	13	2,463
Gelephu	79	22	227	120	68	26	109	0	651
Samdrup Jongkhar	57	36	207	228	64	39	50	0	681
Monggar	13	13	100	12	50	4	10	0	202
As of June 2021	1,343	309	3,096	1,514	709	143	402	42	7,558
Thimphu	584	67	1,774	483	512	76	161	29	3,686
Phuntsholing	612	172	790	669	15	22	98	13	2,391
Gelephu	77	23	231	122	68	11	103	0	635
Samdrup Jongkhar	57	34	211	230	64	32	39	0	667
Monggar	13	13	90	10	50	2	1	0	179
As of June 2020	1,323	290	3,008	1,482	705	137	379	34	7,358
Thimphu	581	52	1,692	473	508	72	155	22	3,555
Phuntsholing	596	168	790	658	15	22	89	12	2,350
Gelephu	76	22	229	116	68	9	100	0	620
Samdrup Jongkhar	57	35	211	229	64	32	34	0	662
Monggar	13	13	86	6	50	2	1	0	171
As of June 2019	1,293	279	2,895	1,431	702	132	360	26	7,118
Thimphu	573	47	1,603	451	506	66	151	20	3,417
Phuntsholing	583	160	795	636	15	23	79	6	2,297
Gelephu	73	23	207	113	68	8	94	0	586
Samdrup Jongkhar	58	37	211	228	64	33	36	0	667
Monggar	6	12	79	3	49	2	0	0	151
As of June 2018	1,264	280	2,872	1,432	692	127	346	26	7,039
Thimphu	570	51	1,585	461	505	65	149	19	3,405
Phuntsholing	564	159	790	626	15	21	65	7	2,247
Gelephu	72	20	208	112	66	7	93	0	578
Samdrup Jongkhar	52	38	212	230	61	32	39	0	664
Monggar	6	12	77	3	45	2	0	0	145

Note: Excludes vehicles of armed forces. From 2021, BHT is included under Government.

Source: Road safety and transport Authority, MoIC.

Table 8.2.1: Number of Registered Vehicles by Type and Region, 2018 - 2022

Region	Private									Total
	Heavy	Medium	Light	Two-Wheeler	Power Tiller	Tractor	Earth Moving Equipments	Electric Vehicle	Taxi	
As of June 2022	11,181	1,819	77,456	10,849	3,258	416	3,608	164	6,162	114,913
Thimphu	3,047	550	46,712	4,253	2,797	130	1,293	134	4,107	63,023
Phuntsholing	6,925	964	21,563	3,822	71	168	1,720	20	1,131	36,384
Gelephu	575	208	4,735	1,226	127	80	237	5	617	7,810
Samdrup Jongkhar	498	48	2,622	1,202	244	28	245	0	113	5,000
Monggar	136	49	1,824	346	19	10	113	5	194	2,696
As of June 2021	11,092	1,708	71,364	10,269	2,904	385	3,332	108	5,886	107,048
Thimphu	2,913	495	42,559	3,836	2,439	113	1,185	87	3,887	57,514
Phuntsholing	7,056	943	20,632	3,749	72	165	1,648	16	1,108	35,389
Gelephu	547	185	4,091	1,170	131	70	201	4	598	6,997
Samdrup Jongkhar	473	48	2,530	1,200	243	28	199	0	106	4,827
Monggar	103	37	1,552	314	19	9	99	1	187	2,321
As of June 2020	10,937	1,645	68,098	10,021	2,441	365	3,049	93	5,588	102,237
Thimphu	2,831	466	40,233	3,662	1,984	111	1,069	74	3,644	54,074
Phuntsholing	7,031	932	20,153	3,682	71	165	1,569	14	1,086	34,703
Gelephu	522	164	3,822	1,158	128	52	166	4	576	6,592
Samdrup Jongkhar	470	48	2,479	1,214	243	28	182	0	102	4,766
Monggar	83	35	1,411	305	15	9	63	1	180	2,102
As of June 2019	10,802	1,609	63,974	9,798	4,851	2,162	362	75	3,000	96,633
Thimphu	2,761	447	37,755	3,505	3,121	1,705	112	62	1,051	50,519
Phuntsholing	7,002	928	19,142	3,620	973	70	167	8	1,553	33,463
Gelephu	511	151	3,517	1,158	504	128	45	4	161	6,179
Samdrup Jongkhar	451	50	2,358	1,236	95	245	29	0	174	4,638
Monggar	77	33	1,202	279	158	14	9	1	61	1,834
As of June 2018	9,708	1,504	59,225	9,047	4,518	1,933	351	67	2,853	89,206
Thimphu	2,601	409	34,840	3,076	2,940	1,483	109	56	991	46,505
Phuntsholing	6,179	886	18,041	3,400	947	70	165	7	1,499	31,194
Gelephu	431	135	3,132	1,112	425	124	40	4	150	5,553
Samdrup Jongkhar	427	49	2,229	1,218	77	245	29	0	155	4,429
Monggar	70	25	983	241	129	11	8	0	58	1,525

Note: Excludes vehicles of armed forces. From 2021, BHT is included under Government.

Source: Road safety and transport Authority, MoIC.

Table 8.2.1: Number of Registered Vehicles by Type and Region, 2018 - 2022

Region	BHT		Diplomats/CD			Total	All Types
	Light	Total	Light	Two-Wheeler	Electric Vehicle		
As of June 2022	0	0	35	9	2	46	122,865
Thimphu	0	0	35	9	2	46	66,978
Phuntsholing	0	0	0	0	0	0	38,847
Gelephu	0	0	0	0	0	0	8,461
Samdrup Jongkhar	0	0	0	0	0	0	5,681
Monggar	0	0	0	0	0	0	2,898
As of June 2021			32	6	2	40	114,646
Thimphu			32	6	2	40	61,240
Phuntsholing			0	0	0	0	37,780
Gelephu			0	0	0	0	7,632
Samdrup Jongkhar			0	0	0	0	5,494
Monggar			0	0	0	0	2,500
As of June 2020	37	37	27	3	1	31	109,663
Thimphu	37	37	27	3	1	31	57,697
Phuntsholing	0	0	0	0	0	0	37,053
Gelephu	0	0	0	0	0	0	7,212
Samdrup Jongkhar	0	0	0	0	0	0	5,428
Monggar	0	0	0	0	0	0	2,273
As of June 2019	37	37	25	0	1	26	103,814
Thimphu	37	37	25	0	1	26	53,999
Phuntsholing	0	0	0	0	0	0	35,760
Gelephu	0	0	0	0	0	0	6,765
Samdrup Jongkhar	0	0	0	0	0	0	5,305
Monggar	0	0	0	0	0	0	1,985
As of June 2018	37	37	24	0	1	25	96,307
Thimphu	37	37	24	0	1	25	49,972
Phuntsholing	0	0	0	0	0	0	33,441
Gelephu	0	0	0	0	0	0	6,131
Samdrup Jongkhar	0	0	0	0	0	0	5,093
Monggar	0	0	0	0	0	0	1,670

Note: Excludes vehicles of armed forces. From 2021, BHT is included under Government.

Source: Road safety and transport Authority, MoIC.

Table 8.2.2 : Number of Driving Licenses Issued by Region and Category, 2018 - 2022

Region	As of June 2018	As of June 2019	As of June 2020	As of June 2021	As of June 2022
Thimphu	63,052	68,363	72,261	75,513	87,042
Phuentsholing	15,306	17,109	18,323	19,083	21,785
Gelephu	16,515	18,067	19,012	19,871	21,629
Samdrup Jongkhar	10,993	11,576	11,973	12,087	12,628
Monggar	2,336	3,166	3,701	4,222	5,133
Total	108,202	118,281	125,270	130,776	165,978

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, 2017 - 2021

Area of Operation	2017	2018	2019	2020	2021
International	254,643	263,456	260,212	42,241	13,444
Paro to Kolkata	13,452	12,622	15,835	2,397	1,520
Kolkata to Paro	13,064	12,472	14,595	2,430	1,130
Paro to Bangkok	29,907	34,260	33,902	5,883	1,269
Bangkok to Paro	29,101	30,914	32,016	5,517	824
Paro to Dhaka	8,649	7,275	7,803	1,030	0
Dhaka to Paro	9,057	7,694	8,010	1,016	0
Paro to Delhi	31,267	32,970	31,682	5,756	4,023
Delhi to Paro	29,888	33,128	32,267	5,441	4,175
Paro to Kathmandu	20,889	22,085	22,849	3,299	5
Kathmandu to Paro	21,102	22,290	23,156	3,037	0
Kathmandu to Delhi	1,590	1,031	1,884	91	0
Delhi to Kathmandu	594	766	1,866	60	0
Kolkata to Bangkok	1,536	1,060	0	0	0
Bangkok to Kolkata	2,573	2,418	0	97	0
Dhaka to Bangkok	0	0	0	0	0
Bangkok to Dhaka	0	0	0	0	0
Gaya to Bangkok	375	570	0	12	0
Bangkok to Gaya	164	325	0	5	0
Paro to Gaya	1,168	2,019	1,467	615	0
Gaya to Paro	1,305	1,686	1,250	799	0
Paro to Bagdora	1,632	2,318	2,159	307	39
Bagdora to Paro	2,658	2,960	2,740	567	391
Bagdora to Bangkok	2,166	2,691	1,519	71	0
Bangkok to Bagdora	1,990	2,329	1,423	644	0
Paro to Guwahati	1,606	2,429	3,879	456	0
Guwahati to Paro	1,768	2,199	3,663	402	0
Guwahati to Bangkok	1,675	1,738	0	0	0
Bangkok to Guwahati	1,586	1,527	0	0	0
Paro to Singapore	7,105	6,461	6,925	1,121	68
Singapore to Paro	6,956	8,497	7,065	705	0
Kolkata to Singapore	2,509	2,061	NA	NA	0
Singapore to Kolkata	3,013	1,942	NA	NA	0
Paro to Mumbai	2,214	0	NA	NA	0
Mumbai to Paro	2,084	0	NA	NA	0
Guwahati to Singapore		366	1,151	281	0
Singapore to Guwahati		353	1,106	202	0
Domestic	11,890	12,393	15,880	6,509	8,899
Paro to Bumthang	5,239	4,161	4,268	717	342
Bumthang to Paro	5,527	4,489	4,332	638	320
Paro to Gelephu	138	339	821	306	0
Gelephu to Paro	81	282	601	253	0
Paro to YOUNPHULA	429	1,386	2,551	2,338	3,781
YOUNPHULA to Paro	476	1,462	2,962	2,173	4,300
Gelephu to Bumthang	0	0	0	0	0
Bumthang to Gelephu	0	0	0	0	0

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, MoC.

Table 8.3.1: Number of Passengers Carried & Revenue Earned by Druk Air Flights and Area of Operation, 2017 - 2021

Area of Operation	2017	2018	2019	2020	2021
Gelephu to Younphula		119	247	16	0
Younphula to Gelephu		128	98	56	0
Bumthang to Younphula		15	0	11	42
Younphula to Bumthang		12	0	1	114
Others	...	...	9,819	0	0
Charter	...	...	5,571	0	0
East Timor (DIL)	...	...	4,248	0	0
Total Passengers	266,533	275,849	285,911	48,750	22,343
Revenue (Nu. in Million)	3,526.450	3,695.900	4,161.880	1,439.000	556.41

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, MoC.

Table 8.3.2: Number of Flights Made by Druk Air and Area of Operation, 2017 - 2021

Area of Operation	2017	2018	2019	2020	2021
International	5,330	5,424	4,695	1,107	354
Paro to Kolkata	354	349	241	55	27
Kolkata to Paro	350	348	241	55	27
Paro to Bangkok	406	530	457	133	78
Bangkok to Paro	408	530	452	133	78
Paro to Dhaka	222	196	151	34	0
Dhaka to Paro	222	196	151	34	0
Paro to Delhi	359	359	400	88	59
Delhi to Paro	358	360	401	87	59
Paro to Kathmandu	358	367	354	73	1
Kathmandu to Paro	357	366	354	73	1
Paro to Gaya	35	51	30	18	0
Gaya to Paro	26	42	29	18	0
Gaya to Bangkok	17	25	1	13	0
Bangkok to Gaya	8	16	0	13	0
Delhi to katmandu	53	43	135	32	0
kathmandu to Delhi	55	44	135	34	0
Bangkok to kolkata	139	150	0	1	0
Kolkata to Bangkok	140	149	0	1	0
Dhaka to Bangkok	0	0	0	0	0
Bangkok to Dhaka	0	0	0	0	0
Paro to Bagdora	104	105	105	22	8
Bagdora to Paro	104	104	104	22	8
Bagdora to Bangkok	104	105	87	12	0
Bangkok to Bagdora	104	104	86	13	0
Paro to Guwahati	104	122	191	24	0
Guwahati to Paro	103	120	191	24	0
Guwahati to Bangkok	104	95	0	0	0
Bangkok to Guwahati	103	95	0	0	0
Paro to Singapore	146	127	98	25	4
Singapore to Paro	147	127	99	25	4
Kolkata to Singapore	146	74	0	NA	0
Singapore to Kolkata	142	73	0	NA	0
Kolkata to Dhaka	0	0	0	0	0
Dhaka to Kolkata	0	0	0	0	0
Paro to Mumbai	26	0	0	NA	0
Mumbai to Paro	26	0	0	NA	0
Singapore to Guwahati		25	99	23	0
Guwahati to Singapore		27	99	22	0
Bangkok to Singapore	0	0	4	0	0
Domestic	644	880	1,230	393	406
Paro to Bumthang	288	258	283	67	45
Bumthang to Paro	289	255	282	67	45
Paro to Gelephu	15	62	127	35	0
Gelephu to Paro	16	59	127	35	16
Gelephu to Bumthang	0	0	0	0	0
Bumthang to Gelephu	0	1	0	0	19
Paro to Younphula	18	70	139	82	140
Younphula to Paro	18	70	139	82	141
Gelephu to Younphula	...	27	75	7	0

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, MoC.

Table 8.3.2: Number of Flights Made by Druk Air and Area of Operation, 2017 - 2021

Area of Operation	2017	2018	2019	2020	2021
Younphula to Gelephu	...	33	58	14	0
Bumthang to Younphula	...	25	0	2	0
Younphula to Bumthang	...	20	0	2	0
Others	...	...	121	176	150
Charter	...	...	85	152	76
East Timor (DIL)	...	...	36	0	0
Cargo flight	...	...	...	24	74
All sectors	5,974	6,304	6,046	1,676	910

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, MoC.

Table 8.3.3: Number of Passengers Carried & Revenue Earned by Bhutan Airline Flights and Area of Operation, 2017 - 2021

Area of Operation	2017	2018	2019	2020	2021
Paro to Kolkata	9,331	15,842	20,871	1,884	0
Kolkata to Paro	8,785	13,379	18,795	57	0
Paro to Bangkok	19,008	16,818	15,249	1,604	23
Bangkok to Paro	17,658	15,979	14,518	575	0
Kolkata to Bangkok	3,942	7,113	7,759	1,420	0
Bangkok to Kolkata	4,834	6,316	6,042	1,342	0
Paro to Kathmandu	4,518	5,723	6,776	348	0
Kathmandu to Paro	3,862	5,110	6,493	1,441	0
Paro to Delhi	7,853	14,215	19,372	1,054	0
Delhi to Paro	7,241	13,990	19,333	1,398	0
Paro to Gaya	544	585	335	56	0
Gaya to Paro	688	560	460	0	0
Bangkok to Gaya	867	2,512	1,199	401	0
Gaya to Bangkok	896	2,149	1,006	332	0
Delhi to Kathmandu	2	932	794	19	0
Kathmandu to Delhi	395	1,319	721	16	0
Others					
Charter				1,375	88
Total Passengers	90,424	122,542	139,723	13,322	111
Revenue (Nu. in Million)	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, MoC.

Table 8.3.4: Number of Flights Made by Bhutan Airline and Area of Operation, 2017 - 2021

Area of Operation	2017	2018	2019	2020	2021
Paro to Kolkata	331	316	349	41	0
Kolkata to Paro	328	312	342	40	0
Paro to Bangkok	370	354	338	59	4
Bangkok to Paro	371	346	338	56	4
Kolkata to Bangkok	313	268	269	40	0
Bangkok to Kolkata	309	263	262	39	0
Paro to Kathmandu	129	163	141	9	0
Kathmandu to Paro	120	147	130	11	0
Delhi to Paro	153	211	244	19	0
Paro to Delhi	152	206	244	19	0
Paro to Gaya	20	41	21	4	0
Gaya to Paro	20	41	23	5	0
Bangkok to Gaya	20	41	23	5	0
Gaya to Bangkok	20	41	21	4	0
Kathmandu to Delhi	14	96	64	7	0
Delhi to Kathmandu	8	80	68	8	0
Others					
Charter				15	2
Cargo Flight				30	10
All sectors	2,678	2,926	2,877	411	20

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 - 2021

Type of Services	2017	2018	2019	2020	2021
Medical Evacuations	158	157	153	83	109
Fire Fighting	5	20	0	2	2
Airlifting of relief materials during the flood	0	0	0	0	0
Aerial Works	110	14	67	17	96
Chartered	248	546	648	360	607
Tourist	106	164	219	26	0
Local	36	75	122	57	327
Local (RGoB)	48	73	56	60	0
Local (Highlanders/Subsidized)	58	234	251	217	280
Total	521	737	868	462	814

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, 2017 - 2021

Type of Services	2017	2018	2019	2020	2021
Medical Evacuations	317	176	199	157	192
Fire Fighting	0	0	0	0	0
Airlifting of relief materials during the flood	0	0	0	0	0
Chartered	1,166	1,753	2,800	1,057	1,755
Tourist	481	477	804	95	0
Local	205	418	1,142	196	705
Local (RGOB)	169	78	83	21	594
Local (Highlanders/Subsidized)	311	780	771	745	456
Total	1,483	1,929	2,999	1,214	1,947
Revenue (Nu. in Million)	162.640	172.920	161.450	79.760	89.640

Note: Aerial Works included in local charter.

Source: Royal Bhutan helicopter Services Limited, Department of Air Transport, MoC

Table 8.4.1: Number of Active Fixed Line connection by Dzongkhag, 2017 - 2021

Dzongkhag	2017	2018	2019	2020	2021
Bumthang	521	612	571	554	495
Chhukha	2,448	2,475	1,492	2,565	2,003
Dagana	179	176	170	142	140
Gasa	67	73	76	99	74
Haa	305	289	291	342	279
Lhuentse	123	134	141	156	130
Monggar	586	556	488	539	496
Paro	1,737	1,621	1,628	1,854	1,426
Pema Gatshel	204	214	216	226	175
Punakha	383	373	273	520	436
Samdrup Jongkhar	890	928	1,013	979	879
Samtse	540	560	584	523	419
Sarpang	984	985	957	968	748
Thimphu	9,993	10,525	11,159	11,008	10,006
Trashigang	643	637	597	610	537
Trashigang Yangtse	173	189	190	203	193
Trongsa	363	375	478	382	301
Tsirang	197	217	227	221	175
Wangdue Phodrang	740	784	734	816	553
Zhemgang	288	292	296	280	215
Total	21,364	22,015	21,581	22,987	19,680

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

Source: Bhutan Telecom Limited, Thimphu.

Table 8.4.2: Number of Fixed line Calls and Revenue Earned, 2017 - 2021

Type of Call	2017	2018	2019	2020	2021
Fixed Line Trunk Circuit	2,242	2,362	1,606	4,916	4,583
Integrated Services digital network user part(ISUP)				880	667
National				337	337
International				543	330
Primary rate access (PRA)				1,020	1,020
National				1,020	1020
International					
Session Initiation Protocol (SIP)	424	1,124	2,694	3,016	2,896
National			1,194	1,700	1,700
International	424	1,124	1,500	1,316	1,196
Connection Capacity	43,368	37,760	35,392	34,464	33,216
Fixed Line Connections	21,364	22,015	21,581	22,987	19,680
Domestic Calls	15,977,980	21,219,654	18,332,819	14,584,057	18,837,597
International Calls ¹	332,676	563,033	504,681	249,347	351,963
India	291,204	482,296	420,968	211,746	208,496
Other	41,472	80,736	83,713	37,601	143,467
Total calls	16,310,656	21,782,687	18,837,500	14,833,404	19,189,560
Revenue (Nu.in Million)	95.000	89.000	85.660	72.120	61.940

Note: The Calls data are in Minutes for The year 2021.

Revenue are from fixed line Calls only.

Connect capacity refers to total number of port available in a access gateway. For 2021, the data is as of 12th Oct 2022.

Source: Bhutan Telecom Limited.

Table 8.4.3: Number of B-Mobile Subscribers, Calls, Internet and Revenue Earned, 2017 - 2021

Details	2017	2018	2019	2020	2021
B-Mobile Subscribers	475,394	437,152	454,212	466,796	465,104
Active				423,020	429,025
Passive				43,776	36,079
Domestic Calls				25,409,169	542,404,035
International Calls				386,446	5,050,613
India					
Others					
Internet (Mobile Data)	454,228	552,830	461,450	466,797	465,104
3G	438,307	438,037	248,359	182,078	437,336
4G		105,175	160,109	246,847	
GPRS/EDGE			45,744	37,872	27,768
Internet (ISP)	15,921	9,618	7,238	4,501	7,921
Broadband	15,323	8,846	6,085	2,597	2,777
Leased Line	598	772	1,153	1,904	5,144
Revenue (Nu.in Million)	3,099.000	3,480.000	3,943.340	4,250.500	5,382.82

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, 2017 - 2021

Details	2017	2018	2019	2020	2021
Mobile Subscribers	255,229	266,402	275,027	278,341	312,904
Active				242,378	287,204
Passive				35,963	25,700
Domestic Calls	86,250,668	89,831,320	163,831,512	168,491,754	234,566,096
International Calls	7,402,851	5,615,417	3,860,319	1,672,318	1,942,399
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)	206,068	232,415	246,764	262,407	278,565
3G	206,068	171,742	50,455	46,533	233,026
4G		52,699	193,755	213,477	
GPRS/EDGE		2,396	1,762	920	45,539
Internet (ISP)		5,578	792	1,477	2,083
Leased Line		5,578	792	1,477	2,083
Revenue (Nu. in Million)	1,250.000	1,344.000	1,539.000	1,823.000	2,042.740

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 connectivity 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, 2017 - 2021

Postal Infrastructure	2017	2018	2019	2020	2021
General Post Offices	4	4	4	4	4
Post Offices	38	39	38	38	38
Community Mail Offices	26	6	6	6	6
Fax Offices	41	43	43	43	43
Total	109	92	91	91	91

Note: Fax Offices are Post Offices having facsimile 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, 2017 - 2021

Type of Service	2017	2018	2019	2020	2021
Domestic Mail					
Ordinary mail	66,635	72,410	64,047	35,035	25,069
Registered	0	56,273	43,912	55,630	69,488
Parcel	0	21	64	25	4
Facsimile message	879	343	311	101	21
Newspapers	0	26,514	11,573	11,132	4,392
Local urgent mail (LUM)	24,004	122,156	103,699	78,344	65,481
Express mail service (EMS)	27,872	136,318	13,208	15,302	21,823
International Mail Dispatch					
Ordinary mail	5,450	19,731	28,372	8,784	25,069
Registered	5,750	4,693	4,318	1,260	557
Parcel	50	23	43	4	10
FedEx	322	2,176	251	30	150
TNT	0	140	53	43	87
Facsimile message	0	0	0	0	0
Post overnight courier (POC)	973	869	532	0	0
Door to door Courier (DTDC)				...	0
Express mail service (EMS)	7,005	9,415	10,709	5,939	11,573
International Mail Receipt					
Ordinary mail	0	85,302	30,083	6,096	28,740
Registered	75,428	25,104	32,266	16,065	31,250
Parcel	3,136	3,500	4,153	2,244	3,306
FedEx	1,890	8,298	2,434	1,267	3,524
TNT	0	409	333	122	132
Facsimile message	0	0	0	0	0
Post overnight courier (POC)	859	1,676	1,543	0	0
Door to door Courier (DTDC)				70	0
Express mail service (EMS)	7,278	7,592	7,815	3,961	8,224
All Mail Items	227,531	582,963	359,719	241,219	298,900
Revenue (Nu. in Million)	74.600	82.900	87.500	64.170	170.133

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, 2017 - 2021

Type	2017	2018	2019	2020	2021
Total Money Orders (Sent)					
Number of orders	13,525	5,532	2,046	2,114	270
Amount of orders (Nu. in million)	31,984	23,041	9,370	4,312	2,053
Domestic Money Order (Receipt)					
Number of orders	13,363	4,984	1,889	1,959	149
Amount of orders (Nu. in million)	30,657	16,792	7,345	2,164	0,710
International Money Order Dispatched					
Number of orders	161	548	157	155	121
Amount of orders (Nu. in million)	1,323	6,248	2,025	2,148	1,343
International Money Order (Receipts)					
Number of orders	1	0	0	0	0
Amount of orders (Nu. in million)	0,003	0,000	0,000	0,000	0,000
Others					
Number of pensioners	1,392	1,298	1,207	222	543
Amount of pensioners (Nu. in million)	59,017	57,409	41,900	0,680	1,490
WUMT Receipts					
Numbers	39,966	37,816	38,065	26,962	32,801
Amount (US \$ in Million)	17,391	14,570	14,210	815,785	826,961
WUMT Sent					
Numbers	170	129	6	1	1
Amount (US \$ in Million)	0,037	0,032	0,002	0,002	0,037

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, 2017 - 2021

Year	Courier Services	Inbound		Outbound		All Mail Items	Revenue (Nu. in Million)
		Documents (DOX)	World wide express (WPX)	Documents (DOX)	World wide express (WPX)		
2021	DHL Courier Service	8,102	4,801	2,869	424	16,196	2.100
	Drukbees Courier Service	NA	NA	NA	NA	NA	NA
	Tamu worldwide shipping	0	0	0	0	0	0.000
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

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, 2021

Inco-term	Sea cargo		Air Cargo	Road cargo	
	Full Cargo Loaded (FCL)	Lose Cargo Loaded (LCL)		Full Truck Load	Part Load
Ex-work	1	6	0	0	17
Freight On Board (FoB)	2	19	0	0	1
Cost Insurance Freight (CIF)	15	4	4	0	0
Total	18	29	4	0	18
Revenue (Nu. in million)	8.950				

source: Tamu Worldwide Shipping, Thimphu.

Table 8.5.6: Number of Export by Mode of Transport and Booking Type, Tamu Worldwide Shipping, 2021

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)	1	0	0	0	0
Delivery Duty Unpaid (DDU)	0	1	0	0	0
Delivery Duty Paid (DDP)	0	2	1	0	0
Total	0	3	1	0	0
Revenue (Nu. in million)	1.510				

Source: Tamu Worldwide Shipping, Thimphu.

CHAPTER 9

ELECTRICITY

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 2021.

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 2021, the sector has contributed 15.64% 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, 2017 - 2021

Details	Units	2017	2018	2019	2020	2021
Towns electrified	Numbers	51	44	46	48	47
Villages electrified	Numbers	3,909	4,065	4,006	4,510	4,505
Total Consumers	Number ('000)	182.48	192.95	202.41	213.64	222.06
Energy supply	MU	2,455.00	2,490.00	2,423.51	2,101.02	2,621.35
Energy Sales	MU	2,185.75	2,328.44	2,279.74	1,960.66	2,474.49
Revenue from Sales of energy	Nu. in million	4,913.926	5,279.741	5,203.051	4,614.246	5,403.190
Population	Numbers	727,145	734,374	741,672	748,931	756,131
Per capita energy consumption	kWh	3,376.22	3,390.64	3,267.63	2,805.35	3,466.80

Source: Annual Power System Information Report 2021, DHPS, MoEA

Table 9.2: Consumption of Electricity by Type and Number of Consumer, 2021

Type of Consumer	Energy Sales (MU)	% of Total Sales	Consumers
Rural Residential	146.15	5.91	122,574
Rural Cooperatives	0.43	0.02	454
Rural Micro Trade	2.62	0.11	1,463
Rural Community Lhakhangs	2.54	0.10	1,586
High Land Consumers	1.56	0.06	1,385
Urban	168.22	6.80	59,101
Religious Institutions	5.4	0.22	719
Cottage and Small Industries	7.15	0.29	1,731
Commercial	59.02	2.39	15,246
Industrial	8.07	0.33	274
Agriculture	2.35	0.10	2,906
Institutions	74.92	3.03	9,042
Street Lighting	5.15	0.21	732
Power House Auxiliaries	1.22	0.05	47
Temporary Connections	18.54	0.75	3,953
Total LV Bulk Consumption	65.77	2.66	751
Total MV Consumption	108.61	4.39	73
Total HV Consumption	1,796.76	72.61	19
Gross Consumption (MU)	2,474.49	100.00	222,056

Source: Annual Power System Information Report 2021, DHPS, MoEA.

Table 9.3: Total Electricity Generation and Supply by Hydro Power Plant, 2017 - 2021

Details	2017	2018	2019	2020	2021
Electricity Generation (MU)	7,722.43	6,959.81	8,645.94	11,370.84	10,822.78
Chhukha hydro power Plant	1,883.20	1,704.00	1,687.70	1,837.20	1,966.30
Kurichu hydro power Plant	389.60	380.00	395.50	391.60	386.30
Basochu hydro power Plant	330.60	305.60	306.50	348.60	339.20
Tala hydro power Plant	4,646.10	4,185.00	4,535.70	5,031.90	4,619.80
Dagachhu hydro power Plant	460.40	366.00	400.30	518.30	501.80
Mangdechhu hydro power Plant			1,320.30	3,218.40	2,987.90
Other hydro power Plants	11.22	18.05	0.00	23.83	21.02
All diesel generators	0.30	0.00	0.00	0.00	0.00
Wind Energy	1.11	1.13	0.00	1.11	0.39
Solar					0.10
Total Exports (MU)	5,700.99	4,580.86	6,146.60	9,259.65	8,075.50
Total Imports (MU)	91.92	133.98	96.37	81.83	98.04
Import by Gencos	91.72	133.66	96.32	81.83	98.04
Import from WBSEB - BPC	0.08	0.26	0.00	0.00	0.00
Import from ASEB - BPC	0.12	0.06	0.05	0.00	0.00
Total Energy Supply (MU)	2,455.00	2,490.00	2,423.51	2,101.02	2,621.35
Total Energy Sales (MU)	2,185.75	2,328.44	2,279.74	1,960.66	2,474.49
Energy Losses (MU)	269.25	161.56	143.77	140.36	146.86
Percentage Losses	10.97	6.49	5.93	6.68	5.60
Annual Peak Load (MW)	362.09	399.35	387.66	369.45	435.35
Length of HT Lines (33/11 KV) (km)	2,021.00				
Overhead lines	6,310.91	6,554.40	6,400.12	6,248.50	6,728.94
Underground lines	158.93	119.40	126.94	290.64	344.13
Overhead ABC Conductor	132.57	142.23	180.09	179.61	199.08
Length of LT Lines (km)					
Overhead lines	1,741.53	1,576.69	1,578.56	1,729.90	1,343.19
Underground lines	321.67	320.00	404.11	382.96	471.27
Overhead ABC Conductor	6,892.84	9,037.85	9,069.79	7,411.64	9,092.89

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: Annual Power System Information Report 2021, DHPS, MoEA.

Table 9.4: Annual Energy Generation and Installed Capacities by Hydro Power Plant, 2021

Generating Stations	Year of Commissioning	Installed Capacity & Unit		Installed Capacity (MW)	Peak Generation		Energy Generation (MU)	Plant Capacity Factor (Percent)
		(No. x MW)			(MW)			
Large Hydroelectric plants								
Chhukha Hydro power Plant	1986-88	4X84.0		336	368.5	1,966.31	66.80	
Kurichhu Hydro power Plant	2001	4X15.0		60	66	386.29	73.49	
Basochhu Hydro power Plant	2002 - 04	2X12.0+2X20		64	67.16	339.17	60.50	
Tala Hydro power Plant	2006-07	6X170.0		1020	1122	4,619.77	51.70	
Dagachhu Hydro power Plant	2015	2X63.0		126	126	501.85	45.47	
Mangdechhu Hydro power Plant	2019	4X180		720	792	2,987.89	47.37	
Total				2,326		10,801.28		
Mini and Micro Hydels		(No. x kW)		(kW)	(MW)	(MU)		
Chumey, Bumthang	1988	3x500		1,500	651.6	5.05	38.42	
Ura, Bumthang	1986-87	1x50		50	20.13	0.13	30.07	
Tamzhing, Bumthang	1986-87	1x30		30	0	0.00	0.00	
Darachhu, Dagana	1992	2x100		200	33.15	0.30	16.99	
Rongchu, Lhuentse	2001	2x100		200	58.08	0.51	28.98	
Gangzur, Lhuentse	2000	2x60		120	45.68	0.31	29.30	
Khalanzi, Mongar	1976	3x130		390	213.71	1.56	45.70	
Sengor, Monggar	2007	1x100		100	0	0.00	0.00	
Jushina, Thimphu	1967	4x90		360	189.41	1.28	40.42	
Gidakom, Thimphu	1973	5x250		1,250	302.88	2.35	21.46	
Lingzhi, Thimphu	1999	1x8		8			0.00	
Sherabling, Trongsa	1986-87	1x50		50	2.49	0.00	0.57	
Tangsibji, Trongsa	1986-87	1x30		30	0	0.00	0.00	
Kuengarabten, Trongsa	1986-87	1x30		30	0	0.00	0.00	
Chendebji, Trongsa	2005	1x70		70	6.56	0.02	3.10	
Rangjung, Tashigang	1996	2x1100		2,200	887.17	7.86	40.79	
Chenari, Tashigang	1972	3x250		750	0	0.00	0.00	
Changchey, Tsirang	1991	2x100		200	46.55	0.52	29.89	
Hesothangkha, Wangdue	1972	3x100		300	50.7	0.43	16.30	
Rukubji, Wangdue	1986-87	1x40		40	0	0.00	0.00	
Tingtibi, Zhemgang	1992	2x100		200	95.37	0.71	40.40	
Kekhar, Zhemgang		1x20		20	0	0.00	0.00	
Total				8,098		21.02		

Source: Annual Power System Information Report 2021, DHPS, MoEA.

Note: The total generation from mini & micro hydel is exclusive of generation from Sengor hydel.

Table 9.5: Major Transmission Lines, 2021

Line Name	No. of Towers	400kV line length (KM)	220kV Line length (KM)		132kV line length (KM)	
		D/C	S/C	D/C	S/C	D/C
400kV Tala-Siliguri line-1 & 2	104	24.62	NA	NA	NA	NA
400kV Tala-Malbase-Siliguri line 4	48	49.53	NA	NA	NA	NA
400kV Puna-1-Alipurduar line-1 & 2	229	93.38	NA	NA	NA	NA
400kV Puna-1-Puna-2 line-1 & 2	34	13.02	NA	NA	NA	NA
400kV Puna-2-Alipurduar line-1 & 2	212	80.87	NA	NA	NA	NA
400kV Puna-2-Jigmeling line-1 & 2	147	64.98	NA	NA	NA	NA
400kV Mangdechhu-Jigmeling line-1 & 2	185	85.06	NA	NA	NA	NA
400kV Mangdechhu-Jigmeling line-3 & 4	185	84.65	NA	NA	NA	NA
400kV Jigmeling-Alipurduar line-1 & 2	12	4.75	NA	NA	NA	NA
220kV Chukha-Birpara line-1 & 2	97	NA	NA	35.78	NA	NA
220kV Chukha-Malbase line	95	NA	29.84	NA	NA	NA
220kV Malbase-Singhigaon line	12	NA	2.61	NA	NA	NA
220kV Chhukha-Semtokha line	144	NA	54.01	NA	NA	NA
220kV Rurichhu-Semtokha line	110	NA	44.9	NA	NA	NA
220kV Rurichhu-Tsirang line	114	NA	46.6	NA	NA	NA
220kV Malbase-Birpara line	6	NA	4.08	NA	NA	NA
220kV Malbase - Singhigaon-Fdr-II	12	NA	NA	NA	NA	NA
220kV Malbase-Samtse line	106	NA	NA	41.64	NA	NA
220kV Tsirang-Jigmeling line	69	NA	NA	30.57	NA	NA
220kV Dagachhu-Tsirang line	56	NA	NA	20.2	NA	NA
220kV Rurichhu-PHPA-1 LILO	3	NA	NA	0.5	NA	NA
220kV Jigmeling-Pelrithang (Lodrai)	28	NA	NA	10.42	NA	NA
220kV Tshendagang-Dagapela LILO	20	NA	NA	4.4	NA	NA
132kV Kurichhu-Kilikhar line	28	NA	NA	NA	10.06	NA
132kV Kilikhar-Kanglung line	81	NA	NA	NA	29.71	NA
132kV Kilikhar-Tangmachhu line	114	NA	NA	NA	42.8	NA
132kV Kurichhu-Nangkhon line	95	NA	NA	NA	31.08	NA
132kV Nangkhon-Deothang line	60	NA	NA	NA	23.3	NA
132kV Nangkhon-Nganglam line	102	NA	NA	NA	33.79	NA
132kV Nganglam-Tintibi line	246	NA	NA	NA	83.3	NA
132kV Gelephu-Pelrithang (Lodrai)	20	NA	NA	NA	10.78	NA
132kV Pelrithang - Tintibi	122	NA	NA	NA	34.96	NA
132kV Gelephu-Salakati line	1	NA	NA	NA	0.1	NA
132kV Deothang-Motanga line	38	NA	NA	NA	10.45	NA
132kV Motanga-Rangia line		NA	NA	NA	0	NA
132kV Tintibi-Yurmoo line	83	NA	NA	NA	32.63	NA
132kV Motanga-Phuntshothang	61	NA	NA	NA	NA	21.63
132kV Motanga-DML line	4	NA	NA	NA	0.49	NA
132kV Merung-Corlung LILO	50	NA	NA	NA	NA	18.68
132kV Kanglung-Phuntshothang line	111	NA	NA	NA	NA	51.44
132kV Nganglam-Motanga line	94	NA	NA	NA	NA	34.92
132kV Mangdechhu-Yurmoo line	7	NA	NA	NA	NA	1.86
66kV Chhukha-Chumdo line		NA	NA	NA	NA	NA
66kV Chumdo-Khasadraphu	200	NA	NA	NA	NA	NA
66kV Khasadrapchu-Olakha		NA	NA	NA	NA	NA
66kV Khasadrapchu-Jemina	23	NA	NA	NA	NA	NA
66kV Chumdo-Paro line	84	NA	NA	NA	NA	NA

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 2021, DHPS, MoEA.

Table 9.5: Major Transmission Lines, 2021

Line Name	No. of Towers	400kV line length (KM)	220kV Line length (KM)		132kV line length (KM)	
		D/C	S/C	D/C	S/C	D/C
66kV Chumdo-Haa line	123	NA	NA	NA	NA	NA
66kV Watsa tie line	4	NA	NA	NA	NA	NA
66kV Olakha-Semtokha line	7	NA	NA	NA	NA	NA
66kV Rurichhu-Lobeysa line	76	NA	NA	NA	NA	NA
66kV Hebesa-Rurichhu line	14	NA	NA	NA	NA	NA
66kV Semtokha-Dechenchholing line	44	NA	NA	NA	NA	NA
66kV Chukha-Gedu line	74	NA	NA	NA	NA	NA
66kV Gedu-Phuentsholing line	67	NA	NA	NA	NA	NA
66kV Phuentsholing-Gomtu line	95	NA	NA	NA	NA	NA
66kV Malbase-Phuentsholing line	23	NA	NA	NA	NA	NA
66kV Malbase-Pasakha multicircuit line	17	NA	NA	NA	NA	NA
66kV Samtse-Sibsoo line	95	NA	NA	NA	NA	NA
66kV Samtse-Gomtu line	51	NA	NA	NA	NA	NA
66kV Yurmoo-Trongsa line	73	NA	NA	NA	NA	NA
66kV Yurmoo-Bumthang line	134	NA	NA	NA	NA	NA
66kV Khasadrapchu - Olakha	NA	NA	NA	NA	NA	NA
66kV Pasakha Industrial Area	NA	NA	NA	NA	NA	NA
66kV Jizikha-Pangbesa LILO	9	NA	NA	NA	NA	NA
66kV Jemina-Changedaphu LILO	35	NA	NA	NA	NA	NA
66kV Dechenchholing-Gasa (Damji) line	201	NA	NA	NA	NA	NA
66kV UG cable from SW31 to Dochula Substation	NA	NA	NA	NA	NA	NA
Total		500.85	182.03	143.51	343.44	128.53

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 2021, DHPS, MoEA.

Table 9.5: Major Transmission Lines, 2021

Line Name	66kV line length (KM)			
	S/C	D/C	Q/C	UG
400kV Tala-Siliguri line-1 & 2	NA	NA	NA	NA
400kV Tala-Malbase-Siliguri line 4	NA	NA	NA	NA
400kV Puna-1-Alipurduar line-1 & 2	NA	NA	NA	NA
400kV Puna-1-Puna-2 line-1 & 2	NA	NA	NA	NA
400kV Puna-2-Alipurduar line-1 & 2	NA	NA	NA	NA
400kV Puna-2-Jigmeling line-1 & 2	NA	NA	NA	NA
400kV Mangdechhu-Jigmeling line-1 & 2	NA	NA	NA	NA
400kV Mangdechhu-Jigmeling line-3 & 4	NA	NA	NA	NA
400kV Jigmeling-Alipurduar line-1 & 2	NA	NA	NA	NA
220kV Chukha-Birpara line-1 & 2	NA	NA	NA	NA
220kV Chukha-Malbase line	NA	NA	NA	NA
220kV Malbase-Singhigaon line	NA	NA	NA	NA
220kV Chhukha-Semtokha line	NA	NA	NA	NA
220kV Rurichhu-Semtokha line	NA	NA	NA	NA
220kV Rurichhu-Tsirang line	NA	NA	NA	NA
220kV Malbase-Birpara line	NA	NA	NA	NA
220kV Malbase - Singhigaon-Fdr-II	NA	NA	NA	NA
220kV Malbase-Samtse line	NA	NA	NA	NA
220kV Tsirang-Jigmeling line	NA	NA	NA	NA
220kV Dagachhu-Tsirang line	NA	NA	NA	NA
220kV Rurichhu-PHPA-1 LILO	NA	NA	NA	NA
220kV Jigmeling-Pelrithang (Lodrai)	NA	NA	NA	NA
220kV Tshendagang-Dagapela LILO	NA	NA	NA	NA
132kV Kurichhu-Kilikhar line	NA	NA	NA	NA
132kV Kilikhar-Kanglung line	NA	NA	NA	NA
132kV Kilikhar-Tangmachhu line	NA	NA	NA	NA
132kV Kurichhu-Nangkhor line	NA	NA	NA	NA
132kV Nangkhor-Deothang line	NA	NA	NA	NA
132kV Nangkhor-Nganglam line	NA	NA	NA	NA
132kV Nganglam-Tintibi line	NA	NA	NA	NA
132kV Gelephu-Pelrithang (Lodrai)	NA	NA	NA	NA
132kV Pelrithang - Tintibi	NA	NA	NA	NA
132kV Gelephu-Salakati line	NA	NA	NA	NA
132kV Deothang-Motanga line	NA	NA	NA	NA
132kV Motanga-Rangia line	NA	NA	NA	NA
132kV Tintibi-Yurmoo line	NA	NA	NA	NA
132kV Motanga-Phuntshothang	NA	NA	NA	NA
132kV Motanga-DML line	NA	NA	NA	NA
132kV Merung-Corlung LILO	NA	NA	NA	NA
132kV Kanglung-Phuntshothang line	NA	NA	NA	NA
132kV Nganglam-Motanga line	NA	NA	NA	NA
132kV Mangdechhu-Yurmoo line	NA	NA	NA	NA
66kV Chhukha-Chumdo line	36.98	NA	NA	NA
66kV Chumdo-Khasadrapphu	4.78	NA	NA	NA
66kV Khasadrapphu-Olakha	11.74	NA	NA	NA
66kV Khasadrapphu-Jemina	NA	5.96	NA	NA
66kV Chumdo-Paro line	24.01	NA	NA	NA

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 2021, DHPS, MoEA.

Table 9.5: Major Transmission Lines, 2021

Line Name	66kV line length (KM)			
	S/C	D/C	Q/C	UG
66kV Chumdo-Haa line	33.4	NA	NA	NA
66kV Watsa tie line	0.5	NA	NA	NA
66kV Olakha-Semtokha line	1.65	NA	NA	NA
66kV Rurichhu-Lobeysa line	20.3	NA	NA	NA
66kV Hebesa-Rurichhu line	3.08	NA	NA	NA
66kV Semtokha-Dechenchholing line	11.88	NA	NA	NA
66kV Chukha-Gedu line	20.4	NA	NA	NA
66kV Gedu-Phuentsholing line	16.7	NA	NA	NA
66kV Phuentsholing-Gomtu line	26.9	NA	NA	NA
66kV Malbase-Phuentsholing line	8.69	NA	NA	NA
66kV Malbase-Pasakha multicircuit line	NA	NA	3.41	NA
66kV Samtse-Sibsoo line	NA	26.96	NA	NA
66kV Samtse-Gomtu line	NA	14.85	NA	NA
66kV Yurmoo-Trongsa line	20.94	NA	NA	NA
66kV Yurmoo-Bumthang line	34.86	NA	NA	NA
66kV Khasadrapchu - Olakha	NA	NA	NA	1
66kV Pasakha Industrial Area	NA	NA	NA	5.02
66kV Jizikha-Pangbesa LILO	NA	1.95	NA	NA
66kV Jemina-Changedaphu LILO	NA	10.2	NA	NA
66kV Dechenchholing-Gasa (Damji) line	43.98	NA	NA	NA
66kV UG cable from SW31 to Dochula Substation	NA	NA	NA	0.7
Total	345.25	59.92	3.41	6.72

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 2021, DHPS, MoEA.

Table 9.5: Major Transmission Lines, 2021

Line Name	Conductor type	Year of Commissioning
400kV Tala-Siliguri line-1 & 2	Twin Moose ACSR	2006
400kV Tala-Malbase-Siliguri line 4	Twin Moose ACSR	2006
400kV Puna-1-Alipurduar line-1 & 2	Twin Moose ACSR	2019
400kV Puna-1-Puna-2 line-1 & 2	Twin Moose ACSR	2019
400kV Puna-2-Alipurduar line-1 & 2	Twin Moose ACSR	2019
400kV Puna-2-Jigmeling line-1 & 2	Twin Moose ACSR	2019
400kV Mangdechhu-Jigmeling line-1 & 2	Twin Moose ACSR	2019
400kV Mangdechhu-Jigmeling line-3 & 4	Twin Moose ACSR	2019
400kV Jigmeling-Alipurduar line-1 & 2	Twin Moose ACSR	2019
220kV Chukha-Birpara line-1 & 2	Zebra ACSR	1986
220kV Chukha-Malbase line	Zebra ACSR	1989
220kV Malbase-Singhigaon line	Zebra ACSR	2006
220kV Chhukha-Semtokha line	Zebra ACSR	1989
220kV Rurichhu-Semtokha line	Zebra ACSR	2004
220kV Rurichhu-Tsirang line	Zebra ACSR	2008
220kV Malbase-Birpara line	Zebra ACSR	1989
220kV Malbase - Singhigaon-Fdr-II	Zebra ACSR	2006
220kV Malbase-Samtse line	Zebra ACSR	2014
220kV Tsirang-Jigmeling line	Zebra ACSR	2013
220kV Dagachhu-Tsirang line	Zebra ACSR	2013
220kV Rurichhu-PHPA-1 LILO	Zebra ACSR	
220kV Jigmeling-Pelrithang (Lodrai)	Zebra ACSR	2013
220kV Tshendagang-Dagapela LILO	Zebra ACSR	2013
132kV Kurichhu-Kilikhar line	Panther ACSR	2001
132kV Kilikhar-Kanglung line	Panther ACSR	2002
132kV Kilikhar-Tangmachhu line	Panther ACSR	2005
132kV Kurichhu-Nangkhor line	Panther ACSR	2001
132kV Nangkhor-Deothang line	Panther ACSR	2001
132kV Nangkhor-Nganglam line	Panther ACSR	2002
132kV Nganglam-Tintibi line	Panther ACSR	2002
132kV Gelephu-Pelrithang (Lodrai)	Panther ACSR	2002
132kV Pelrithang - Tintibi	Panther ACSR	2002
132kV Gelephu-Salakati line	Panther ACSR	1988
132kV Deothang-Motanga line	Panther ACSR	2007
132kV Motanga-Rangia line	Panther ACSR	2008
132kV Tintibi-Yurmoo line	Panther ACSR	2008
132kV Motanga-Phuntshothang	Panther ACSR	2017
132kV Motanga-DML line	Panther ACSR	2019
132kV Merung-Corlung LILO	Panther ACSR	2019
132kV Kanglung-Phuntshothang line	Panther ACSR	2019
132kV Nganglam-Motanga line	Panther ACSR	2019
132kV Mangdechhu-Yurmoo line	Panther ACSR	2019
66kV Chhukha-Chumdo line	Dog ACSR	1983
66kV Chumdo-Khasadrapchu	Dog ACSR	2005
66kV Khasadrapchu-Olakha	Dog ACSR	2005
66kV Khasadrapchu-Jemina	Dog ACSR	2005
66kV Chumdo-Paro line	Dog ACSR	1987

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 2021, DHPS, MoEA.

Table 9.5: Major Transmission Lines, 2021

Line Name	Conductor type	Year of Commissioning
66kV Chumdo-Haa line	Dog ACSR	1987
66kV Watsa tie line	Dog ACSR	1987
66kV Olakha-Semtokha line	HTLS	1995
66kV Rurichhu-Lobeysa line	Dog ACSR	1995
66kV Hebesa-Rurichhu line	Dog ACSR	1995
66kV Semtokha-Dechenchholing line	HTLS	2005
66kV Chukha-Gedu line	Dog ACSR	1989
66kV Gedu-Phuentsholing line	Dog ACSR	1983
66kV Phuentsholing-Gomtu line	Dog ACSR	1986
66kV Malbase-Phuentsholing line	Dog ACSR	2008
66kV Malbase-Pasakha multicircuit line	Dog ACSR	2008
66kV Samtse-Sibsoo line	Wolf ACSR	2013
66kV Samtse-Gomtu line	Wolf ACSR	2013
66kV Yurmoo-Trongsa line	Wolf ACSR	2008
66kV Yurmoo-Bumthang line	Wolf ACSR	2008
66kV Khasadrapchu - Olakha	UG	2013
66kV Pasakha Industrial Area	UG	2009
66kV Jizikha-Pangbesa LILO	Wolf ACSR	2018
66kV Jemina-Changedaphu LILO	Wolf ACSR	2019
66kV Dechenchholing-Gasa (Damji) line	Wolf ACSR	2019
66kV UG cable from SW31 to Dochula Substation	UG	2021
Total		

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 2021, DHPS, MoEA.

Table 9.6: Monthly Revenue From Sale of Energy from Chhukha Power Plant, 2017 - 2021

(Nu. in Million)

Month	2017			2018			2019		
	Export	Domestic	Total	Export	Domestic	Total	Export	Domestic	Total
January	120.541	100.034	220.575	31.759	104.359	136.118	6.670	94.580	101.240
February	52.390	78.434	130.824	0.000	90.794	90.794	16.910	78.340	95.250
March	109.917	96.111	206.028	0.000	94.343	94.343	78.430	84.570	163.000
April	339.886	67.567	407.453	59.434	74.175	133.609	336.980	67.140	404.110
May	321.099	60.403	381.502	313.917	58.551	372.468	353.700	60.320	414.020
June	468.272	56.400	524.672	456.012	55.957	511.969	317.760	55.310	373.080
July	813.819	67.310	881.129	796.415	63.077	859.493	734.210	60.610	794.820
August	790.175	71.246	861.421	801.807	66.155	867.962	758.090	58.150	816.240
September	707.618	68.693	776.311	694.072	62.165	756.236	704.650	60.570	765.210
October	588.178	70.246	658.424	356.914	70.740	427.654	603.140	62.120	665.260
November	255.982	88.058	344.040	139.108	91.190	230.298	225.030	79.100	304.130
December	113.437	108.363	221.800	38.327	99.500	137.827	96.090	92.600	188.690
Total	4681.314	932.865	5614.179	3687.767	931.006	4618.772	4231.660	853.410	5085.050

Table 9.6: Monthly Revenue From Sale of Energy from Chhukha Power Plant, 2017 - 2021

(Nu. in Million)

Month	2020			2021		
	Export	Domestic	Total	Export	Domestic	Total
January	34.520	92.950	127.470	86.638	69.809	156.447
February	0.000	84.620	84.620	34.376	75.961	110.337
March	5.430	85.190	90.620	36.469	74.602	111.071
April	207.420	58.830	266.250	85.656	62.037	147.693
May	500.430	51.460	551.890	352.907	60.053	412.960
June	739.310	45.970	785.280	719.166	78.659	797.825
July	835.410	52.000	887.410	708.369	95.932	804.301
August	840.830	48.280	889.110	735.497	112.911	848.408
September	809.920	48.960	858.880	660.867	72.238	733.105
October	705.120	51.360	756.480	715.062	136.103	851.165
November	331.590	73.760	405.350	386.982	152.108	539.090
December	96.090	94.480	190.570	159.358	92.715	252.073
Total	5106.070	787.860	5893.930	4681.347	1083.128	5764.475

Table 9.7: Monthly Revenue From Sale of Energy From Tala Power Plant, 2017 - 2021

(Nu. in Million)

Month	2017			2018			2019		
	Export	Domestic	Total	Export	Domestic	Total	Export	Domestic	Total
January	45.199	180.886	226.085	4.023	208.929	212.952	-29.482	204.540	175.060
February	13.173	170.104	183.277	0.000	162.470	162.470	-16.719	178.720	162.000
March	58.905	190.770	249.675	6.302	185.210	191.512	20.760	214.780	235.540
April	137.010	181.228	318.238	0.000	230.481	230.481	145.530	313.650	459.180
May	364.429	200.771	565.200	343.612	205.619	549.231	416.290	217.100	633.390
June	646.235	193.494	839.729	618.366	183.444	801.811	420.870	185.940	606.810
July	1402.395	252.667	1655.062	1380.342	247.046	1627.387	1252.950	235.480	1488.430
August	1409.258	249.742	1659.000	1379.606	271.485	1651.091	1292.650	298.880	1591.540
September	1206.109	202.112	1408.221	1161.336	208.128	1369.464	1227.020	317.220	1544.240
October	670.123	227.342	897.465	384.362	205.439	589.801	710.260	265.840	976.100
November	211.111	216.609	427.720	114.357	203.831	318.188	215.200	204.910	420.100
December	75.374	216.211	291.585	3.482	222.716	226.198	35.490	229.890	265.370
Total	6239.321	2,481.94	8,721.26	5395.787	2534.798	7930.586	5690.819	2866.950	8557.760

Source: Annual Power System Information Report 2021, DHPS, MoEA.

Table 9.7: Monthly Revenue From Sale of Energy From Tala Power Plant, 2017 - 2021

(Nu. in Million)

Month	2020			2021		
	Export	Domestic	Total	Export	Domestic	Total
January	0.000	157.250	157.250	6.170	188.220	194.390
February	0.000	145.740	145.740	0.000	119.330	119.330
March	0.000	169.290	169.290	0.000	155.480	155.480
April	87.210	141.110	228.320	0.000	155.060	155.060
May	585.580	149.480	735.060	404.260	142.250	546.510
June	1033.040	140.500	1173.540	962.590	151.640	1114.230
July	1431.290	139.770	1571.060	1040.600	149.120	1189.720
August	1441.540	133.430	1574.970	1195.030	161.220	1356.250
September	1397.800	116.910	1514.710	1082.980	204.980	1287.960
October	806.640	121.980	928.620	834.510	154.900	989.410
November	293.320	110.120	403.440	320.930	187.330	508.260
December	107.550	138.470	246.020	8.410	288.340	296.750
Total	7183.970	1664.050	8848.020	5855.480	2057.870	7913.350

Source: Annual Power System Information Report 2021, DHPS, MoEA.

Table 9.8: Monthly Revenue From Sale of Energy From Kurichu Power Plant, 2017 - 2021

(Nu. in Million)

Month	2017			2018			2019		
	Export	Domestic	Total	Export	Domestic	Total	Export	Domestic	Total
January	0.000	23.268	23.268	0.000	23.778	23.778	0.000	21.408	21.408
February	0.000	19.130	19.130	0.000	19.986	19.986	0.000	18.593	18.593
March	0.000	27.231	27.231	0.000	27.120	27.120	0.000	26.426	26.426
April	0.000	43.259	43.259	0.000	37.292	37.292	0.000	47.327	47.327
May	19.699	46.336	66.035	10.975	55.143	66.118	19.029	57.593	76.622
June	28.247	49.075	77.322	27.006	51.902	78.908	28.665	49.713	78.379
July	26.585	54.702	81.287	35.632	49.828	85.460	33.734	48.891	82.625
August	35.181	49.005	84.186	24.958	54.528	79.487	30.639	54.327	84.966
September	33.038	49.767	82.805	30.932	50.378	81.309	32.608	49.618	82.227
October	30.456	48.229	78.685	8.712	57.550	66.263	22.773	48.406	71.179
November	0.000	40.787	40.787	0.000	37.917	37.917	0.000	35.876	35.876
December	0.000	30.511	30.511	0.000	27.457	27.457	0.000	25.770	25.770
Total	173.206	481.300	654.506	138.215	492.881	631.097	167.449	483.947	651.397

Source: Annual Power System Information Report 2021, DHPS, MoEA.

Table 9.8: Monthly Revenue From Sale of Energy From Kurichu Power Plant, 2017 - 2021

(Nu. in Million)

Month	2020			2021		
	Export	Domestic	Total	Export	Domestic	Total
January	0.000	39.340	39.340	0.000	21.417	21.417
February	0.000	17.970	17.970	0.000	41.089	41.089
March	0.000	41.500	41.500	0.000	43.699	43.699
April	0.000	38.050	38.050	0.000	27.511	27.511
May	28.590	42.500	71.090	9.491	49.651	59.142
June	37.090	38.140	75.230	14.020	54.957	68.977
July	35.630	44.600	80.230	21.257	53.707	74.964
August	29.970	46.510	76.480	21.579	52.754	74.333
September	36.730	42.220	78.950	18.077	51.849	69.926
October	29.990	42.090	72.080	15.072	55.670	70.742
November	0.000	35.470	35.470	0.000	39.803	39.803
December	0.000	32.620	32.620	0.000	27.694	27.694
Total	198.000	461.010	659.010	99.496	519.801	619.297

Source: Annual Power System Information Report 2021, DHPS, MoEA.

Table 9.9: Monthly Revenue From Sale of Energy From Dagachu Power Plant, 2017 - 2021

(Nu. in Million)

Month	2017			2018			2019		
	Export	Domestic	Total	Export	Domestic	Total	Export	Domestic	Total
January	52.008	0.000	52.008	41.131	0.000	41.131	38.453	0.000	38.453
February	36.968	0.000	36.968	31.019	0.000	31.019	32.281	0.000	32.281
March	42.185	0.000	42.185	38.328	0.000	38.328	38.415	0.000	38.415
April	51.351	0.000	51.351	18.124	0.000	18.124	49.252	0.000	49.252
May	56.859	0.000	56.859	58.921	0.000	58.921	61.613	0.000	61.613
June	124.895	0.000	124.895	132.812	0.000	132.812	87.816	0.000	87.816
July	212.712	0.000	212.712	217.475	0.000	217.475	229.431	0.000	229.431
August	233.124	0.000	233.124	262.999	0.000	262.999	247.225	0.000	247.225
September	211.609	0.000	211.609	207.164	0.000	207.164	253.918	0.000	253.918
October	150.721	0.000	150.721	96.097	0.000	96.097	177.718	0.000	177.718
November	76.254	0.000	76.254	59.290	0.000	59.290	85.403	0.000	85.403
December	54.242	0.000	54.242	47.392	0.000	47.392	59.020	0.000	59.020
Total	1302.928	0.000	1302.928	1210.754	0.000	1210.754	1360.545	0.000	1360.545

Source: Annual Power System Information Report 2021, DHPS, MoEA.

Table 9.9: Monthly Revenue From Sale of Energy From Dagachu Power Plant, 2017 - 2021

(Nu. in Million)

Month	2020			2021		
	Export	Domestic	Total	Export	Domestic	Total
January	48.710	0.000	48.710	54.710	0.480	55.190
February	39.190	0.000	39.190	41.930	0.360	42.290
March	42.480	0.000	42.480	42.430	0.370	42.800
April	41.420	0.000	41.420	35.960	0.310	36.270
May	106.610	0.000	106.610	75.140	0.590	75.730
June	193.280	0.000	193.280	179.500	1.540	181.040
July	284.960	0.000	284.960	286.000	2.480	288.480
August	285.830	0.000	285.830	276.810	2.320	279.130
September	257.300	0.000	257.300	249.020	2.120	251.140
October	196.090	0.000	196.090	201.670	1.720	203.390
November	99.740	0.000	99.740	136.000	1.180	137.180
December	70.880	0.000	70.880	85.540	0.730	86.270
Total	1666.490	0.000	1666.490	1664.710	14.200	1678.910

Source: Annual Power System Information Report 2021, DHPS, MoEA.

Table 9.10: Monthly Revenue From Sale of Energy From Mangdechhu Power Plant, 2019 - 2021

(Nu. in Million)

Month	2019			2020			2021		
	Export	Domestic	Total	Export	Domestic	Total	Export	Domestic	Total
January				315.800	0.000	315.800	343.080	3.420	346.500
February				146.000	0.000	146.000	266.790	2.530	269.320
March				337.190	0.000	337.190	388.370	3.460	391.830
April				567.320	0.000	567.320	447.730	4.710	452.440
May				1288.180	0.000	1288.180	1038.890	10.970	1049.860
June	93.260	0.000	93.260	1788.440	0.000	1788.440	1617.990	16.950	1634.940
July	785.399	0.000	785.399	2186.160	0.000	2186.160	1749.360	18.380	1767.740
August	1133.870	0.000	1133.870	2219.100	0.000	2219.100	1998.490	23.010	2021.500
September	1389.527	0.000	1389.527	1939.430	0.000	1939.430	1982.300	21.550	2003.850
October	1044.863	0.000	1044.863	1159.130	0.000	1159.130	1211.990	11.660	1223.650
November	504.673	0.000	504.673	582.720	0.000	582.720	645.860	5.390	651.250
December	393.642	0.000	393.642	419.630	0.000	419.630	443.570	3.570	447.140
Total	5345.234	0.000	5345.234	12949.100	0.000	12949.100	12134.420	125.600	12260.020

Note: Mangdechhu powerplant was commissioned from June 2019.

Source: Annual Power System Information Report 2021, DHPS, MoEA.

Table 9.11: Annual Total Energy Subsidy and Royalty, 2018 - 2021

Subsidy/Royalty	Units	2017	2018	2019	2020	2021
Total Subsidy Energy*	MU	559.170	632.410	674.120	631.210	677.47
Total Subsidy Amount*	Nu.in Million	1636.946	1790.330	1765.998	1409.047	1448.560
Royalty Energy	MU	1051.380	836.340	1128.390	1575.730	1556.43
Royalty Amount	Nu.in Million	2197.304	1886.574	2796.547	4162.184	3961.470
Rural Subsidy Energy (free 100 unit)	MU	103.720	80.260	84.370	90.690	92.64
Rural Subsidy Amount	Nu.in Million	511.802	406.115	426.905	458.916	468.782
Highlander Subsidy Energy (free 200 units)	MU	0.000	0.000	0.130	0.840	0.96
Highlander Subsidy Amount	Nu.in Million	0.000	0.000	0.635	4.260	4.864

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

Source: Annual Power System Information Report 2021, DHPS, MoEA.

CHAPTER 10 TOURISM

The tourism industry in Bhutan began in 1974. The government agency, erstwhile Bhutan Tourism Corporation, controlled tourism until its privatization in 1991. 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, 2017 - 2021

Country	2017	2018	2019	2020	2021
AFRICA	106	135	307	25	0
East Africa	22	16	110	5	0
Comoros	0	0	0	0	0
Burundi	0	0	1	0	0
Ethiopia	1	0	19	1	0
Kenya	9	12	22	0	0
Madagascar	0	0	1	0	0
Malawi	0	0	4	0	0
Mauritius	10	0	19	0	0
Mozambique	1	1	4	0	0
Rwanda	0	0	1	0	0
Seychelles	0	0	0	2	0
Tanzania	1	2	8	1	0
Uganda	0	0	20	0	0
Zimbabwe	0	1	11	1	0
Central Africa	1	1	20	1	0
Angola	0	0	3	0	0
Cameroon	0	0	10	1	0
Chad	1	1	5	0	0
Other countries of Central Africa	0	0	1	0	0
Congo	0	0	1	0	0
North Africa	2	6	17	0	0
Algeria	2	1	2	0	0
Morocco	0	5	5	0	0
Sudan	0	0	5	0	0
Tunisia	0	0	5	0	0
South Africa	75	99	120	15	0
Botswana	0	0	0	0	0
Lesotho	0	0	4	0	0
Namibia	1	1	2	1	0
South Africa	74	98	102	14	0
Swaziland	0	0	12	0	0
Other countries of Southern Africa	0	0	0	0	0
West Africa	6	13	40	4	0
Cote d'Ivoire	0	0	5	2	0
Burkina Faso	0	0	5	0	0
Ghana	1	0	8	1	0
Guinea	0	0	0	0	0
Liberia	0	0	1	0	0
Mali	0	0	1	0	0
Mauritania	2	12	1	0	0
Niger	0	0	1	0	0
Nigeria	2	1	13	1	0
Senegal	1	0	2	0	0
Sierra Leone	0	0	2	0	0
Togo	0	0	1	0	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	12,299	14,109	15,099	1,445	0
Caribbean	13	18	23	5	0
Antigua and Barbuda	1	1	0	0	0
Bahamas	2	1	0	0	0

Table 10.1: Number of Annual International Tourist Arrivals by Country of Nationality and Region, 2017 - 2021

Country	2017	2018	2019	2020	2021
Barbados	1	1	1	0	0
Cuba	1	0	1	1	0
Dominica	0	2	3	1	0
Dominican Republic	4	0	0	0	0
Grenada	0	0	3	1	0
Haiti	1	0	3	0	0
Jamaica	1	5	1	1	0
Saint Kitts and Nevis	2	5	4	0	0
Trinidad and Tobago	0	3	7	1	0
Central America	51	68	55	9	0
Belize	0	1		0	0
Costa Rica	26	45	26	0	0
El Salvador	2	6	5	0	0
Guatemala	15	9	16	9	0
Honduras	0	3	2	0	0
Nicaragua	0	0	2	0	0
Panama	8	4	4	0	0
North America	11,109	12,774	13,952	1,292	1
Canada	1,524	1,807	1,870	135	0
Mexico	365	406	375	71	0
United States of America	9,220	10,561	11,707	1,086	1
South America	1,126	1,249	1,069	139	0
Argentina	175	205	124	24	0
Bolivia, Plurinational State of Bolivia	2	1	10	1	0
Brazil	680	810	681	96	0
Chile	102	130	103	10	0
Colombia	90	57	71	5	0
Ecuador	7	3	10	0	0
Falkland Islands (Malvinas)	0	0	0	1	0
Guyana	0	0	2	0	0
Paraguay	11	0	12	0	0
Peru	14	25	28	0	0
Surinam	0	0	3	0	0
Uruguay	20	10	10	1	0
Venezuela	25	8	15	1	0
EAST ASIA AND THE PACIFIC	33,257	29,713	33,290	2,783	0
North-East Asia	16,712	12,052	13,548	1,259	0
China	6,421	6,878	7,564	726	0
Japan	2,744	2,674	3,010	275	0
Korea, Republic of Korea	6,048	998	1,408	142	0
Mongolia	8	6	25	0	0
North Korea	0	0	2	0	0
Taiwan Province of China	1,491	1,496	1,539	116	0
South- East Asia	13,972	14,544	16,111	1,208	0
Brunei Darussalam	39	26	15	3	0
Cambodia	8	30	114	13	0
Indonesia	664	1,033	1,327	54	0
Lao People's Democratic Republic	18	2	56	2	0
Malaysia	2,956	3,140	2,761	245	0
Myanmar	96	5	216	23	0
Philippines	549	476	689	54	0
Singapore	4,129	3,886	4,744	256	0

Table 10.1: Number of Annual International Tourist Arrivals by Country of Nationality and Region, 2017 - 2021

Country	2017	2018	2019	2020	2021
Thailand	4,047	3,886	4,086	275	0
Timor-Leste	0	0	31	3	0
Viet Nam	1,423	1,961	2,072	280	0
Other countries of South-East Asia	43	99	0	0	0
Australasia	2,571	3,114	3,599	316	0
Australia	2,249	2,739	3,153	289	0
New Zealand	322	375	446	27	0
Melanesia	2	3	32	0	0
Fiji	2	1	8	0	0
Palau	0	0	1	0	0
Papua New Guinea	0	2	10	0	0
Samoa	0	0	1	0	0
Solomon Islands	0	0	2	0	0
Vanuatu	0	0	10	0	0
EUROPE	16,169	18,824	21,308	1,942	0
Central/ Eastern Europe	1,406	1,891	1,995	146	0
Armenia	7	4	18	4	0
Azerbaijan	2	1	0	0	0
Belarus	8	6	15	3	0
Bulgaria	44	96	52	6	0
Czech Republic	145	285	279	6	0
Estonia	41	43	56	4	0
Georgia	2	3	5	0	0
Hungary	151	143	167	8	0
Kazakhstan	13	9	26	5	0
Kyrgyzstan	0	0	2	0	0
Latvia	35	34	53	2	0
Lithuania	50	79	58	0	0
Moldova, Republic of Moldova	3	2	7	1	0
North Macedonia	0	0	1	0	0
Poland	312	430	480	29	0
Romania	78	94	106	4	0
Russian Federation	390	482	503	51	0
Slovakia	45	83	81	2	0
Tajikistan	0	3	3	0	0
Turkmenistan	2	0	1	0	0
Ukraine	78	93	81	21	0
Uzbekistan	0	1	1	0	0
Northern Europe	4,241	4,737	5,885	621	0
Denmark	197	263	416	59	0
Finland	162	169	226	8	0
Iceland	19	32	22	0	0
Ireland	144	163	205	17	0
Norway	225	191	345	16	0
Sweden	248	334	430	36	0
United Kingdom	3,246	3,585	4,241	485	0
Other countries of Northern Europe	0	0	0	0	0
Southern Europe	2,549	3,169	3,843	257	0
Albania	0	2	2	0	0
Andorra	0	4	4	0	0
Bosnia and Herzegovina	1	3	5	0	0
Croatia	16	24	49	0	0
Greece	94	121	112	6	0

Table 10.1: Number of Annual International Tourist Arrivals by Country of Nationality and Region, 2017 - 2021

Country	2017	2018	2019	2020	2021
Italy	978	1,229	1,469	128	0
Malta	11	22	35	18	0
Montenegro	0	3	2	0	0
Portugal	229	322	385	26	0
San Marino	0	0	6	0	0
Serbia	21	15	14	0	0
Slovenia	57	27	101	2	0
Spain	1,142	1,397	1,659	77	0
Western Europe	7,558	8,511	8,957	875	0
Austria	396	506	594	51	0
Belgium	506	557	579	98	0
France	1,545	1,773	1,953	155	0
Germany	2,970	3,422	3,375	405	0
Liechtenstein	5	7	5	0	0
Luxembourg	24	58	20	6	0
Monaco	3	2	3	2	0
Netherlands	757	807	981	73	0
Switzerland	1,352	1,379	1,447	85	0
East Mediterranean Europe	415	516	628	43	0
Cyprus	6	4	10	3	0
Israel	283	356	509	33	0
Turkey	126	156	109	7	0
Other Europe	0	0	0	0	0
Other countries of Europe	0	0		0	0
MIDDLE EAST	70	138	306	25	0
Bahrain	7	3	9	1	0
Egypt			13	3	0
Iraq	0	0	5	0	0
Jordan	2	11	10	3	0
Kuwait	13	19	143	14	0
Lebanon	16	21	30	0	0
Oman	2	4	30	0	0
Qatar	1	5	9	2	0
Saudi Arabia	9	29	16	1	0
Syrian Arab Republic	1	3	2	0	0
United Arab Emirates	19	29	36	0	0
Yemen	0	1	3	1	0
SOUTH ASIA	356	448	245,289	23,592	0
Afghanistan	0	1	49	7	0
Iran, Islamic Republic of Iran	18	5	13	0	0
Nepal	265	371	1,438	101	0
Pakistan	16	8	62	16	0
Sri Lanka	57	63	316	32	0
Bangladesh			13,016	1,127	0
India			230,381	22,298	0
Maldives			13	11	0
Other countries of South Asia			1	0	0
Total Arrivals	62,257	63,367	315,599	29,812	1

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, 2017 - 2021

Region	2017	2018	2019	2020	2021
Africa	106	135	307	0	0
East Africa	22	16	110	5	0
Central Africa	1	1	20	1	0
North Africa	2	6	17	0	0
Southern Africa	75	99	120	15	0
West Africa	6	13	40	4	0
Americas	12,299	14,109	15,099	1,445	1
Caribbean	13	18	23	5	0
Central America	51	68	55	9	0
North America	11,109	12,774	13,952	1,292	1
South America	1,126	1,249	1,069	139	0
East Asia and Pacific	33,257	29,713	33,290	2,783	0
North-East Asia	6,421	12,052	13,548	1,259	0
South-East Asia	13,972	14,544	16,111	1,208	0
Australasia	2,571	3,114	3,599	316	0
Melanesia	2	3	32	0	0
Micronesia	0	0	0	0	0
Polynesia	0	0	0	0	0
Europe	16,169	18,824	21,308	1,942	0
Central/Eastern Europe	1,406	1,891	1,995	146	0
Northern Europe	4,241	4,737	5,885	621	0
Southern Europe	2,549	3,169	3,843	257	0
Western Europe	7,558	8,511	8,957	875	0
East Mediterranean Europe	415	516	628	43	0
Middle East	85	138	306	25	0
South Asia	356	448	245,289	23,592	0
All regions	62,272	63,367	315,599	29,812	1
Foreign Exchange Earnings					
Total (USD in Million)	79.81	85.41	88.63	9.49	0.0014
Direct Revenue to Government (USD in Million)	22.36	22.63	23.42	2.76	0.0007

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, 2017 - 2021

Season & Month	2017	2018	2019	2020	2021
Winter	46,751	49,722	61,771	25,714	0
December	23,587	26,667	33,154	32	0
January	12,224	11,121	14,397	13,942	0
February	10,940	11,934	14,220	11,740	0
Spring	87,324	88,109	102,230	4,041	0
March	20,872	22,185	24,507	3,947	0
April	27,115	26,176	30,605	71	0
May	39,337	39,748	47,118	23	0
Summer	53,158	51,706	56,080	21	1
June	27,263	25,239	30,297	10	0
July	13,133	12,274	13,291	10	0
August	12,762	14,193	12,492	1	1
Autumn	67,471	84,560	95,518	36	0
September	22,123	20,025	21,937	5	0
October	28,281	37,549	46,325	16	0
November	17,067	26,986	27,256	15	0

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

Table 10.4: Percentage of Tourist Arrivals by Main Purpose of Visit, 2017 - 2021

Purpose	2017		2018		2019		2020		2021	
	Number	%	Number	%	Number	%	Number	%	Number	%
Holiday, Leisure and Recreation	218,547	85.80	240,671	87.81	281,546	89.21	25,909	86.91	1	100.00
Official	10,290	4.00	9,075	3.31	12,463	3.95	1,175	3.94	0	0.00
Business	6,620	2.60	6,106	2.23	4,890	1.55	952	3.19	0	0.00
Others	19,247	7.60	18,245	6.66	16,700	5.29	1,776	5.96	0	0.00

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

Table 10.5: Percentage of Tourist Arrivals by Major Attraction to Bhutan, 2019 - 2021

Major Attraction	2019		2020		2021	
	Number	%	Number	%	Number	%
Cultural	64,539.0	85.98	5,718.0	90.10	1	100.00
Adventure	8,783.0	11.70	449.0	7.08	0	0.00
Spiritual and Wellness	650.0	0.87	37.0	0.58	0	0.00
Nature	1,092.0	1.45	142.0	2.24	0	0.00

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, 2017 - 2021

Dzongkhag	2017	2018	2019	2020	2021
Bumthang	11,321	11,636	11,950	955	1
Chhukha	3,276	2,971	2,490	320	0
Dagana	10	24	30	2	0
Gasa	693	675	813	31	1
Haa	5,225	594	5,751	490	1
Lhuentse	385	6,615	761	58	1
Monggar	2,036	2,600	2,593	261	1
Paro	61,523	62,781	60,706	5,394	1
Pema Gatshel	71	122	96	32	0
Punakha	51,831	53,555	53,904	4,863	1
Samdrup Jongkhar	1,682	1,937	1,721	190	0
Samtse	0	0	0	0	0
Sarpang	284	231	263	64	0
Thimphu	59,164	60,100	58,593	5,172	1
Trashigang	1,886	2,374	2,648	223	1
Trashigang Yangtse	705	820	1,031	97	1
Trongsa	5,956	5,864	5,364	448	1
Tsirang	27	68	74	6	0
Wangdue Phodrang	17,781	19,581	20,529	1,632	1
Zhemgang	259	332	346	58	1

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, 2017 - 2021

Dzongkhag	2017	2018	2019	2020	2021
Bumthang	28,942	30,137	30,580	2,077	3
Chhukha	3,605	3,141	2,768	375	0
Dagana	15	37	67	5	0
Gasa	3,733	3,341	4,605	41	7
Haa	6,727	8,095	7,233	550	2
Lhuentse	990	1,120	1,215	72	2
Monggar	3,124	4,404	3,808	509	1
Paro	140,571	142,663	138,900	11,138	27
Pema Gatshel	199	250	175	102	0
Punakha	73,179	75,355	77,443	7,218	9
Samdrup Jongkhar	1,840	2,144	1,981	242	0
Samtse	0	0	0	0	0
Sarpang	403	309	396	70	0
Thimphu	106,271	107,063	104,307	8,090	26
Trashigang	3,408	4,489	5,616	379	2
Trashigang Yangtse	894	1,031	1,411	114	2
Trongsa	6,548	6,614	5,934	516	20
Tsirang	33	91	107	8	0
Wangdue Phodrang	26,333	28,998	30,090	2,219	10
Zhemgang	702	931	915	211	2

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, 2017 - 2021

Year/Country	Number			Percent		
	Male	Female	Both Sex	Male	Female	Both Sex
2021	0	1	1	0.00	100.00	100.00
USA	0	1	1	0.00	100.00	100.00
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			
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			

Source: Tourism Council of Bhutan, Thimphu.

Table 10.9 Tourist Arrivals by Mode of Transport and Source Market, 2019 - 2021

Country	2019						2020						2021					
	Air			Land			Air			Land			Air			Land		
	Number	%		Number	%		Number	%		Number	%		Number	%		Number	%	
India	69,241	30.05		161,140	69.95		4,781	21.44		17,517	78.56		0	0.00		0	0.00	
Bangladesh	6,397	49.15		6,619	50.85		556	49.33		571	50.67		0	0.00		0	0.00	
USA	11,349	96.94		358	3.06		1,028	94.66		58	5.34		1	100.00		0	0.00	
China	7,451	98.51		113	1.49		722	99.45		4	0.55		0	0.00		0	0.00	
United Kingdom	3,874	91.35		367	8.65		445	91.75		40	8.25		0	0.00		0	0.00	
Germany	2,542	75.32		833	24.68		315	77.78		90	22.22		0	0.00		0	0.00	
Australia	3,024	95.91		129	4.09		275	95.16		14	4.84		0	0.00		0	0.00	
Vietnam	2,063	99.57		9	0.43		279	99.64		1	0.36		0	0.00		0	0.00	
Japan	2,737	90.93		273	9.07		230	83.64		45	16.36		0	0.00		0	0.00	
Thailand	4,046	99.02		40	0.98		258	93.82		17	6.18		0	0.00		0	0.00	
Singapore	4,654	98.10		90	1.90		255	99.61		1	0.39		0	0.00		0	0.00	
Malaysia	2,685	97.25		76	2.75		243	99.18		2	0.82		0	0.00		0	0.00	
France	1,616	82.74		337	17.26		119	76.77		36	23.23		0	0.00		0	0.00	
South Korea	1,300	92.33		108	7.67		113	79.58		29	20.42		0	0.00		0	0.00	
Canada	1,789	95.67		81	4.33		131	97.04		4	2.96		0	0.00		0	0.00	
Other African countries	291	94.17		18	5.83		24	96.00		1	4.00		0	0.00		0	0.00	
Other American countries	1,490	98.09		29	1.91		219	98.65		3	1.35		0	0.00		0	0.00	
Other East Asia and the Pacific countries	4,328	96.50		157	3.50		290	98.31		5	1.69		0	0.00		0	0.00	
Other European countries	10,100	86.04		1,639	13.96		750	83.52		148	16.48		0	0.00		0	0.00	
Other Middle East countries	312	99.36		2	0.64		25	96.15		1	3.85		0	0.00		0	0.00	
Other South Asian Countries	1,639	86.63		253	13.37		161	96.41		6	3.59		0	0.00		0	0.00	
Total	142,928	45.29		172,671	54.71		11,219	37.63		18,593	62.37		1	100.00		0	0.00	
Source: Tourism Council of Bhutan (Tashel system) and Department of Immigration																		

Table 10.10 Average Length of Stay by Major Source Market, 2019 - 2021

Country	2019		2020		2021	
	Mean Nights Stayed	Median Nights Stayed	Mean Nights Stayed	Median Nights Stayed	Mean Nights Stayed	Median Nights Stayed
India	6	6	7	6	0	0
Bangladesh	5	6	9	6	0	0
USA	10	7	8	6	113	113
China	6	5	5	4	0	0
Singapore	7	6	9	6	0	0
United Kingdom	9	7	9	6	0	0
Thailand	8	4	7	4	0	0
Germany	11	8	10	7	0	0
Australia	10	7	8	7	0	0
Japan	14	4	12	4	0	0
Malaysia	6	6	6	6	0	0
Vietnam	6	4	4	4	0	0
France	11	9	9	7	0	0
Canada	9	7	7	6	0	0
Spain ¹	7	6			0	0
South Korea ¹			7	4	0	0
Other African countries	20	5	36	6	0	0
Other American countries	8	5	5	5	0	0
Other East Asia and the Pacific countries	7	5	6	5	0	0
Other European countries	10	7	13	7	0	0
Other Middle East countries	14	5	15	5.5	0	0
Other South Asian Countries	16	5	9	4	0	0
Total	7	6	7	6	113	113

Note: ¹ The 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

CHAPTER 11

BALANCE OF PAYMENT

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 2016/17 - 2020/21

(Nu. in Million)

Items	2016/17	2017/18	2018/19	2019/20 (Revised)	2020/21 (Provisional)
A. Current Account	(34,605.200)	(30,087.500)	(35,431.700)	(27,712.500)	(21,777.600)
Goods and services	(34,406.900)	(29,479.100)	(35,904.200)	(29,321.400)	(20,852.200)
Goods: Net (Trade Balance)	(31,149.200)	(27,200.700)	(28,338.600)	(22,726.400)	(12,429.500)
Exports (fob)	36,872.025	39,231.700	42,951.600	46,862.800	53,099.900
Imports (fob)	68,021.200	66,432.400	71,290.200	69,589.200	65,529.400
Services	(3,257.700)	(2,278.500)	(3,565.700)	(6,595.000)	(8,422.700)
Credit	10,623.700	12,428.100	11,902.500	9,611.200	1,637.700
Debit	13,881.400	14,706.600	15,468.200	16,206.200	10,060.400
Primary Income	(11,827.200)	(13,799.200)	(15,589.700)	(10,749.040)	(11,306.480)
Credit	1,999.000	2,413.600	2,640.400	2,117.900	1,600.000
Debit	13,826.100	16,212.800	18,230.100	12,867.000	12,906.500
Secondary Income	11,628.878	13,190.896	12,062.300	12,358.000	10,381.200
Credit	13,256.532	15,019.132	14,232.500	13,871.400	13,389.800
o.w Budgetary grants	6,415.846	6,204.860	6,999.286	6,807.600	5,717.100
Debit	1,627.654	1,828.236	2,170.200	1,513.300	3,008.600
B. Capital Account	12,391.572	11,884.026	8,769.135	10,373.200	7,415.200
o/w Budgetary grants for investment	3,532.328	7,348.026	4,088.035	6,436.100	6,147.800
C. Financial Account ¹	(9,571.900)	(39,789.700)	(9,712.800)	(27,252.160)	(4,655.790)
Direct investment in Bhutan: net incurrence of liabilities	(2,956.900)	510.600	918.500	(621.300)	352.800
o.w Equity capital	(492.600)	602.800	754.400	67.400	306.200
Other investment	(18,673.500)	(35,327.000)	(7,389.600)	(28,992.300)	(2,696.330)
Other Investment: net acquisition of financial	1,196.000	56.600	2,110.200	3,472.200	(2,088.400)
Other Investment: net incurrence of financial liabilities	19,869.600	35,383.600	9,499.800	32,464.500	607.900
o/w RGOB loans ²	24,406.100	20,100.200	16,356.900	26,708.400	15,078.900
o/w Other loans	(5,874.700)	13,457.100	(6,268.400)	7,071.800	(14,277.300)
D. Net Errors and Omissions	12,594.200	(16,652.900)	19,260.000	10,179.200	3,441.000
E. Overall Balance	(47.500)	4,933.400	2,310.200	20,092.200	(6,265.500)
F. Reserve Assets	(47.500)	4,933.400	2,310.200	20,092.200	(6,265.500)

Note: ¹ 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.

² 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 2016/17 - 2020/21

(Nu. in Million)

Items	2016/17	2017/18	2018/19	2019/20 (Revised)	2020/21 (Provisional)
A. Current Account	(34,006.517)	(34,034.265)	(38,659.923)	(25,996.536)	(21,903.982)
Goods and services	(28,105.435)	(27,204.493)	(29,022.481)	(18,936.140)	(13,196.855)
Goods: Net (Trade Balance)	(24,303.763)	(25,478.949)	(26,322.621)	(15,895.532)	(9,117.083)
Exports (fob)	32,637.079	31,713.464	33,804.021	40,975.562	46,878.880
Imports (fob)	56,940.843	57,192.413	60,126.642	56,871.094	55,995.963
Services	(3,801.672)	(1,725.544)	(2,699.859)	(3,040.608)	(4,079.772)
Credit	2,887.239	4,627.757	3,741.001	3,362.069	1,097.285
Debit	6,688.911	6,353.301	6,440.860	6,402.676	5,177.057
Primary Income	(12,798.707)	(13,584.767)	(15,544.456)	(11,335.041)	(11,091.134)
Credit	1,157.213	1,326.971	1,021.768	880.291	886.772
Debit	13,955.920	14,911.739	16,566.224	12,215.331	11,977.905
o.w Interest on hydropower	1,243.714	1,325.220	764.412	8,582.160	10,507.440
Secondary Income	6,897.626	6,754.995	5,907.013	4,274.644	2,384.007
Credit	8,179.756	7,840.362	7,153.874	4,897.947	3,788.395
o.w Budgetary grants	4,566.526	3,600.896	4,410.544	4,666.126	3,593.177
Debit	1,282.130	1,085.367	1,246.861	623.302	1,404.388
B. Capital Account	12,337.745	11,862.185	8,709.660	10,346.551	7,073.419
o.w Budgetary grants for investment	3,478.501	7,326.185	4,028.560	6,409.372	5,806.019
o.w Grants for hydropower development	8,859.244	4,536.000	4,681.100	3,937.179	1,267.400
C. Financial Account	(7,105.485)	(37,807.860)	(8,799.684)	(20,457.073)	(552.233)
Direct Investment in Bhutan: net incurrence of liabilities	63.665	14.172	188.780	51.006	221.158
o.w Equity capital	-	1.940	38.978	37.730	227.018
Other investment	(13,186.572)	(33,841.604)	(7,206.166)	(21,524.922)	1,275.584
Other investment: net acquisition of financial assets	943.102	(1,366.114)	1,851.226	3,400.668	(2,263.725)
Other Investment: net incurrence of financial liabilities	14,129.674	32,475.490	9,057.393	24,925.590	(3,539.310)
o.w. Hydropower loans (incl. accrued interest) ¹	20,585.174	18,156.350	14,660.607	17,689.804	10,486.689
o.w. Other loans	(6,716.820)	13,993.770	(6,029.380)	7,236.100	(14,277.300)
D. Net Errors and Omissions	12,761.987	(17,113.401)	21,019.142	2,385.659	9,293.552
E. Overall Balance	(1,801.300)	(1,477.622)	(131.437)	7,192.748	(4,984.778)
F. Reserve Assets	(1,801.300)	(1,477.622)	(131.437)	7,192.748	(4,984.778)

Note: ¹ 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 2016/17 - 2020/21

(Nu. in Million)

Items	2016/17	2017/18	2018/19	2019/20 (Revised)	2020/21 (Provisional)
A. Current Account	(598.672)	3,946.812	3,228.263	(1,715.923)	126.421
Goods and services	(6,301.468)	(2,274.646)	(2,881.745)	(10,385.302)	(7,655.378)
Goods: Net (Trade Balance)	(6,845.407)	(1,721.702)	(2,015.974)	(6,830.881)	(3,312.432)
Exports (fob)	4,234.945	7,518.277	9,147.579	5,887.199	6,221.008
Imports (fob)	11,080.352	9,239.980	11,163.553	12,718.080	9,533.439
Services	543.938	(552.943)	(865.771)	(3,554.420)	(4,342.947)
Credit	7,736.432	7,800.359	8,161.539	6,249.121	540.404
Debit	7,192.493	8,353.302	9,027.310	9,803.542	4,883.351
Primary Income	971.544	(214.443)	(45.281)	586.001	(215.347)
Credit	841.741	1,086.594	1,618.603	1,237.649	713.198
Debit	(129.803)	1,301.036	1,663.883	651.648	928.545
Secondary Income	4,731.252	6,435.901	6,155.289	8,083.378	7,997.146
Credit	5,076.776	7,178.770	7,078.670	8,973.415	9,601.402
o.w Budgetary grants	1,849.320	2,603.964	2,588.742	2,141.443	2,123.967
Debit	345.524	742.869	923.381	890.038	1,604.256
B. Capital Account	53.827	21.841	59.475	26.689	341.821
o/w Budgetary grants for investment ¹	53.827	21.841	59.475	26.689	341.821
C. Financial Account	(2,466.430)	(1,981.810)	(913.097)	(6,795.091)	(4,103.558)
Direct investment in Bhutan: net incurrence of liabilities	(3,020.545)	496.418	729.686	(672.285)	131.643
o.w Equity capital	(492.613)	600.856	715.375	29.681	79.201
Other investment	(5,486.975)	(1,485.392)	(183.412)	(7,467.376)	(3,971.915)
Other investment: net acquisition of financial assets	252.924	1,422.680	258.975	71.571	175.304
Other Investment: net incurrence of financial liabilities	5,739.899	2,908.072	442.387	7,538.947	4,147.219
o.w. RGOB loans	3,820.884	1,943.833	1,696.251	9,018.547	4,592.233
o.w. Other loans	842.078	(536.648)	(239.010)	(164.276)	
D. Net Errors and Omissions	(167.826)	460.511	(1,759.174)	7,793.575	(5,852.504)
E. Overall Balance	1,753.758	6,410.974	2,441.661	12,899.432	(1,280.703)
F. Reserve Assets	1,753.758	6,410.974	2,441.661	12,899.432	(1,280.703)

Note: ¹ 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.

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

Table 11.1.4: Gross International Reserves, FY 2016/17 - 2020/21

(Nu. in Million)

Items	2016/17	2017/18	2018/19	2019/20	2020/21
1. Rupee Reserves (INR in Million)	21,092.400	16,111.200	15,237.500	23,713.700	21,295.76
Royal Monetary Authority of Bhutan	19,433.100	14,534.300	12,924.000	22,011.700	19,540.00
Bank of Bhutan Ltd.	1,075.900	363.200	460.900	523.400	590.05
Bhutan National Bank Ltd.	212.200	514.600	867.800	379.300	335.28
T Bank Ltd.	122.400	480.000	630.900	550.400	726.79
Druk PNB Ltd.	248.800	193.700	342.800	238.900	86.96
Bhutan Development Bank Ltd.		25.300	11.100	10.000	16.68
2. Convertible Currency Reserves (USD in Million)	776.600	876.300	843.700	1,029.600	1,045.94
3. Total Reserves (USD in Million) (1+2)	1,103.800	1,111.300	1,064.800	1,343.500	1,332.39
4. Exchange rates used	64.500	68.600	68.900	75.500	74.35
5. Months of Merchandise Imports (2)	12.600	13.800	12.400	18.900	18.10
Total reserves	4.400	3.400	3.000	5.000	4.55
Rupee reserves	54.200	78.000	62.500	122.100	97.88
Convertible currency reserves					
6. Months of Imports (Merchandise + Services) (2)					
Total reserves	10.400	11.300	10.100	15.300	15.693
Rupee reserves	4.000	3.000	2.700	4.500	4.167
Convertible currency reserves	32.900	41.000	34.600	58.100	64.726

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, 2017 - 2021

Month	2017	2018	2019	2020	2021
January	68.086	63.646	70.751	71.330	73.108
February	66.738	64.374	71.208	71.490	72.766
March	65.915	65.011	69.479	74.320	72.793
April	64.514	65.663	69.427	76.190	74.418
May	64.412	67.544	69.789	75.660	73.358
June	64.436	67.793	69.439	75.710	73.558
July	64.440	68.701	68.809	75.020	74.521
August	63.966	69.535	71.146		74.179
September	64.461	72.300	71.334	73.500	73.653
October	65.086	73.618	71.049	73.480	74.903
November	64.872	71.824	71.429	74.270	74.483
December	64.242	70.832	71.188		75.539
Calendar Year Average Exchange Rate	65.100	68.403	70.420	74.150	73.940
Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Fiscal year average exchange Rate	66.430	65.092	70.575	72.470	73.716

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

Table 11.2.1: Balance of Merchandise Trade, 2017 - 2021

(Nu. in Million)

Trade	2017	2018	2019	2020	2021
Export	25,314.000	30,835.215	31,250.000	20,732.244	33,555.48
India	19,635.000	21,591.812	23,573.000	15,989.551	26,408.86
Countries other than India	5,679.000	9,243.403	7,677.000	4,742.692	7,146.63
Import	66,921.000	71,345.200	68,906.000	66,456.122	90,229.00
India	53,898.000	59,811.692	56,453.000	51,197.865	71,235.90
Countries other than India	13,023.000	11,533.507	12,453.000	15,258.257	18,993.10
Balance of Trade	(41,607.000)	(40,509.985)	(37,656.000)	(45,723.879)	(56,673.51)
India	(34,263.000)	(38,219.881)	(32,880.000)	(35,208.314)	(44,827.04)
Countries other than India	(7,344.000)	(2,290.104)	(4,776.000)	(10,515.565)	(11,846.47)

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, 2021

Sl. No	Products	Value (Nu. in Million)	Share (%)
1	Ferro Silicon (Containing by weight more than 55% of silicon)	15,280.96	54.27
2	Boulders	2,483.87	8.82
3	Ferro-silico-manganese	2,271.39	8.07
4	Cardamom (Neither crushed nor ground)	1,713.23	6.08
5	Portland pozzolana cement	1,497.89	5.32
6	Dolomite in chips	1,399.49	4.97
7	Pebbles, gravel, broken or crushed stone, of a kind commonly used for concrete aggregates, for road metalling or for railway or other ballast, shingle and flint, whether or not heat-treated	1,194.31	4.24
8	Gypsum; anhydrite	872.98	3.10
9	Dolomite in lumbs and slabs	724.74	2.57
10	Ordinary portland cement	719.79	2.56
Total		28,158.64	100.00

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, 2021

Sl.No	Products	Value (Nu. in Million)	Share (%)
1	Diesel (HSD/Other light oils and preparation)	6,380.22	23.19
2	Storage units, input units, output units (Processing units other than those of subheading 8471.41 or 8471.49, whether or not containing in the same housing one or two of the following types of unit)	4,325.33	15.72
3	Coke and semi-coke	2,908.97	10.58
4	Other (Wood Charcoal)	2,784.28	10.12
5	Telephones for cellular networks or for other wireless networks	2,410.83	8.76
6	Semi-milled or wholly milled rice	2,181.19	7.93
7	Petrol (Motor spirit /gasolene including aviation spirit petrol)	1,968.15	7.15
8	Other- Edible Oil	1,629.75	5.92
9	Machinery with a 360 degree revolving superstructure	1,599.79	5.82
10	Passenger Car (Of a cylinder capacity exceeding 1,000 cc but not exceeding 1,500 cc)	1,319.12	4.80
Total		27,507.62	100.00

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, 2021

Rank	Country Name	Value (Nu. in Million)	Rank	Country Name	Value (Nu. in Million)
1	India	71,235.90	25	Bulgaria	46.29
2	China	7,512.57	26	Australia	37.55
3	Singapore	1,896.17	27	Austria	35.17
4	Thailand	1,886.67	28	czech republic	34.62
5	Bangladesh	814.17	29	Finland	31.03
6	Korea South	608.56	30	Indonesia	24.63
7	South Africa	436.71	31	Brazil	22.10
8	Japan	418.61	32	Mexico	17.64
9	Switzerland	409.74	33	Taiwan	14.20
10	United States of America	351.87	34	Poland	12.76
11	Germany	280.70	35	Philippines	6.99
12	Nepal	275.89	36	Belgium	6.64
13	Malaysia	194.52	37	Turkey	5.59
14	United Arab Emirates	189.94	38	Hungary	5.18
15	Netherlands	179.60	39	Slovenia	4.99
16	United Kingdom	111.09	40	Qatar	4.69
17	Norway	98.10	41	Georgia	4.48
18	Denmark	97.67	42	Canada	3.95
19	Viet Nam	96.70	43	Ukraine	3.80
20	Italy	85.89	44	Kuwait	3.41
21	Hong Kong	62.87	45	Senegal	3.19
22	New Zealand	62.10	46	Ireland	3.17
23	Sweden	54.26	47	Israel	2.50
24	France	53.75	48	Spain	2.45
			49	Papua New Guinea	2.20

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, 2021

Rank	Country Name	Value (Nu. in Million)
1	India	26,408.86
2	Bangladesh	5,212.91
3	Italy	850.29
4	Nepal	586.59
5	China	155.17
6	Germany	80.40
7	Viet Nam	68.66
8	Netherlands	42.96
9	Singapore	23.52
10	Switzerland	22.23
11	Japan	21.73
12	United Arab Emirates	19.63
13	United States of America	12.02
14	Spain	9.47
15	Thailand	9.06
16	Hong Kong	7.99
17	Australia	5.36
18	France	5.35
19	United Kingdom	4.10
20	Taiwan	3.15
21	Cambodia	1.37
22	Malaysia	1.07

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.

11.2.6: Import of Petroleum Products by Volume and Value, 2017 - 2021

Products	Unit	2017			2018			2019			2020			2021		
		Volume in KL/MT	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)	Volume in KL/MT	Value (Nu. in Million)	Volume in KL/MT	Value (Nu. in Million)	Volume in KL/MT	Value (Nu. in Million)	Value (Nu. in Million)
Diesel (HSD)	LTR	144,620.70	6,648.560	159,722.50	7,943.330	154,616.59	7,760.792	108,986.50	4,664.320	113,423.53	6,380.218					
Petrol (MS)	LTR	39,119.50	1,969.390	46,912.34	2,333.600	50,958.51	2,509.082	34,775.52	1,590.184	33,330.52	1,968.149					
S.K. Oil (Kerosene)	LTR	4,328.00	76.020	3,585.00	79.950	2,922.00	82.109	1,698.00	42.020	1,730.37	60.780					
Kerosene type jet fuel (ATF)	LTR	3,982.00	170.650	4,878.00	230.970	4,956.00	225.468	1,720.00	63.771	1,239.02	59.477					
Subsidized LPG (14.2 kg)	KGM	8,078.90	223.310	4,277.14	120.224	7,812.82	226.744	6,819.94	226.731	7,132.74	358.603					
Non-subsidized LPG (14.2 kg)	KGM			16.26	0.953	1,015.41	43.352	1,635.37	68.683	1,278.98	76.854					
Commercial/Industrial LPG (19 kg)	KGM			723.55	42.500	1,369.92	75.920	652.37	37.406	477.92	36.701					
Lubricating Oils	LTR	2,239.17	377.220	2,374.32	374.320	2,090.82	332.829	1,739.05	286.244	1,805.65	322.969					
Fuel oils (Furnance Oil)	LTR	1,688.01	49.600	3,410.77	124.030	3,692.54	136.382	1,908.85	56.754	934.42	37.636					
Other medium oils and preparations (LDO)	LTR			53.54	1.470	43.67	1.780			0.10	0.029					
Petroleum Bitumen	KGM	15,663.27	454.080	25,745.01	850.850	16,769.86	574.380	16,474.78	515.823	9,926.45	462.731					
Others (waste oils)	LTR	140.38	15.400	4.70	0.880	83.40	6.192	30.26	5.715	64.86	11.749					

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.

CHAPTER 12

MONEY, BANKING AND FINANCE

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.

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.

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

Table 12.1.1.1: Number of Financial Institution Infrastructures by Dzongkhag, 2021

Dzongkhag	BOBL				BNBL				BDBL				T-Bank Ltd				Druk PNBL			
	Branch		GFO/Exte		Branch		GFO/Exte		Branch		GFO/Exte		Branch		GFO/Exte		Branch		GFO/Exte	
	Office	ATM	Office	ATM	Office	ATM	Office	ATM	Office	ATM	Office	ATM	Office	ATM	Office	ATM	Office	ATM	Office	ATM
Bumthang	1	0	2	2	1	0	1	1	1	1	1	1	0	0	0	0	1	1	0	1
Chukha	5	3	13	1	1	1	5	3	1	1	5	1	1	1	4	0	0	0	0	0
Dagana	3	0	3	1	0	1	1	3	1	3	1	3	0	0	0	0	0	0	0	0
Gasa	1	0	1	0	0	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0
Haa	1	0	1	0	0	1	1	1	1	1	2	1	0	0	0	0	0	0	0	0
Lhuentse	1	0	1	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
Monggar	1	1	3	2	1	2	3	2	3	2	3	2	1	1	1	1	0	0	0	0
Paro	2	0	7	1	1	1	3	1	1	1	2	2	1	1	4	1	0	0	3	3
Pema Gatsel	1	1	2	0	0	1	1	2	1	2	1	2	0	0	0	0	0	0	0	0
Punakha	2	0	2	0	0	1	2	1	0	2	0	2	0	0	0	0	0	0	0	0
Samdrup Jongkhar	1	0	4	1	1	1	5	3	3	3	3	3	1	1	2	0	0	0	0	0
Samtse	3	1	4	1	1	2	4	3	2	5	3	5	1	1	1	1	1	0	0	0
Sarpang	4	0	4	1	1	1	1	2	1	3	1	3	1	1	2	0	0	0	0	0
Thimphu	2	1	33	2	2	5	31	2	0	11	1	14	1	1	2	2	0	15	0	15
Trashigang	2	1	4	1	1	3	3	1	0	3	1	1	1	1	1	0	0	0	0	0
Trashigang Yangtse	2	0	2	0	0	1	1	2	6	5	0	0	0	0	0	0	0	0	0	0
Trongsa	1	0	2	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
Tsirang	6	3	1	1	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0
Wangdue Phodrang	1	1	4	1	1	0	3	2	1	3	1	1	1	1	1	1	1	0	0	0
Zhemgang	2	0	2	0	0	1	1	2	1	2	1	2	0	0	0	0	0	0	0	0
Total	42	12	95	12	25	70	35	27	57	10	10	31	7	0	20	0	20	0	20	20

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.

Table No. 12.1.2: Banking Transaction Trend for all Financial Institutions by Type, 2018 - 2021

Transaction Type	2018						2019					
	BoBL	BNBL	BDBL	Druk PNBL	T-BANK	BoBL	BNBL	BDBL	Druk PNBL	T-BANK	BoBL	T-BANK
Cash Counter												
Number of Transaction	2,109,646	621,556	912,622		142,258	2,233,396	588,075	945,319				154,359
Deposits	1,275,706	397,551	565,602		79,414	1,266,319	384,246	592,404				83,181
Withdrawal	833,940	224,005	347,020		62,844	967,077	203,829	352,915				71,178
Amount Transacted (Nu. in million)	97,021.209	46,903.189	140,000.000		57,586.154	106,547.898	45,307.813	70,000.000				42,604.995
Deposits	66,194.964	31,118.139	38,000.000		28,763.572	71,086.139	29,585.730	35,000.000				21,291.003
Withdrawal	30,826.246	15,785.050	38,000.000		28,822.582	35,461.759	15,722.083	35,000.000				21,313.992
ATM Transaction												
Number of Transaction	3,941,836	1,338,100	478,812		280,065	5,416,670	1,499,114	546,776				346,628
Deposits	23,066	5,308				24,269	8,392					
Withdrawal	3,918,770	1,332,792	474,812		280,065	5,392,401	1,490,722	546,776				346,628
Amount Transacted (Nu. in million)	15,922.845	4,610.661	3,663.502		924.883	21,679.417	5,151.191	3,663.502				1,108.878
Deposits	322.549	55.103			0.000	93.809	84.433					0.000
Withdrawal	15,600.296	4,555.559	3,663.502		924.883	21,585.609	5,066.757	3,663.502				1,108.878
Mobile App Transaction												
Number of Transaction	17,234,785	388,003	15,632		109,878	26,538,971	917,474	388,003				233,859
Amount Transacted (Nu. in Million)	34,873.316	3,539.707	35.049		382.135	67,463.318	8,232.419	897.510				853.311

Table No. 12.1.2: Banking Transaction Trend for all Financial Institutions by Type, 2018 - 2021

Transaction Type	2020					2021				
	BoBL	BNBL	BDBL	Druk PNB	T-BANK	BoBL	BNBL	BDBL	Druk PNB	T-BANK
Cash Counter										
Number of Transaction	1,528,863	385,701	676,074		110,961	1,015,524	305,048	19,742.00		84,209
Deposits	832,351	237,731	400,737		54,682	512,675	174,618	9,872.00		43,188
Withdrawal	696,512	147,970	275,337		56,279	502,849	130,430	9,870.00		41,021
Amount Transacted (Nu. in million)	80,075.562	32,776.470	54,000.000		17,470.29	70,457.642	26,665.072	29,636.93		10,883.59
Deposits	53,069.073	19,973.688	27,000.000		8,764.15	37,623.561	15,610.759	14,629.39		5,475.92
Withdrawal	27,006.488	12,802.782	27,000.000		8,706.14	32,834.081	11,054.31	15,007.54		5,407.68
ATM Transaction										
Number of Transaction	4,362,439	1,278,217	433,845		77,037	2,486,083	787,162	260,359.00		157,004
Deposits	20,652	10,580			0	23,547.00	10,902	0		0
Withdrawal	4,341,787	1,267,637	433,845		77,037	2,462,536.00	776,260	260,359.00		157,004
Amount Transacted (Nu. in million)	17,389.732	4,213.075	3,493.341		232.930	10,548.855	2,927.599	748.155		772.183
Deposits	391.492	89.008			0.000	532.349	88.842	0		0.000
Withdrawal	16,998.240	4,124.068	3,493.341		232.930	10,016.506	2,838.758	748.155		772.183
Mobile App Transaction										
Number of Transaction	52,775,225	2,024,897	1,128,407		114,231	124,068,027	13,218,508	2,633,104.00		2,167,224
Amount Transacted (Nu. in Million)	122,523.995	11,723.961	2,619.017		796.663	310,842.007	27,218.659	684,636.50		12,547.368

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.

Table 12.1.3: Monetary Survey, 2017 - 2021

(Nu. in Million)

Items	2017	2018	2019	2020	2021
Monetary Survey Counterparts					
Broad Money (M2)	110,000.900	117,191.020	132,499.080	169,195.240	191,313.456
Foreign assets (Net)	72,878.530	65,533.830	76,816.540	106,058.970	105,787.662
Domestic assets (Net)	37,122.370	51,657.190	55,682.540	63,136.270	85,525.794
Domestic credit	90,356.050	105,639.890	111,988.020	121,251.710	145,330.258
Public sector	8,200.830	8,943.280	(1,969.060)	(749.460)	13,742.825
Government (Net)	2,498.610	2,797.440	(7,707.790)	(7,652.770)	7,256.763
Other public sector ¹	5,702.220	6,145.840	5,738.730	6,903.310	6,486.062
Private sector ²	82,155.220	96,696.610	113,957.080	122,001.170	131,587.434
Other items (Net)	53,233.680	53,982.700	56,305.480	58,115.440	59,804.465
Monetary Survey Components					
Broad Money (M2)	110,000.900	117,191.020	132,499.080	169,195.240	191,313.456
Narrow money (M1)	63,478.170	68,307.230	71,825.720	95,705.340	106,126.117
Nu. outside banks	8,767.080	9,171.410	10,946.720	11,614.520	10,903.338
Transferable deposits	54,711.090	59,135.820	60,879.000	84,090.830	95,222.779
Current account	26,679.470	25,395.940	24,296.580	32,623.260	34,028.953
Saving deposits	28,031.620	33,739.880	36,582.430	51,467.560	61,193.826
Other Deposits	46,522.730	48,883.790	60,673.370	73,489.900	85,187.339
Time deposits	43,249.900	47,685.180	59,585.240	72,552.340	84,762.318
Foreign currency deposits	3,272.840	1,198.610	1,088.130	937.560	425.021

Note: ¹ Includes Government Corporations and Public Sector

² Includes 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, 2017 - 2021

(Nu. in Million)

Item	2017	2018	2019	2020	2021
Assets Total	49,385.310	54,299.780	64,794.160	85,365.118	97,648.141
Reserve with RMA	18,021.380	13,186.850	15,174.190	30,686.270	40,257.482
Foreign Assets	1,724.950	2,353.780	2,720.310	2,550.138	1,712.144
Indian rupee	293.020	644.600	565.570	499.137	533.136
Other currencies	1,431.930	1,709.180	2,154.740	2,051.001	1,179.008
Claims on Government	0.000	0.000	0.000	987.999	987.999
Claims on Govt. Corporations	3,989.070	3,915.020	3,654.540	4,890.277	5,048.322
Claims on Public Sector ¹	386.260	750.720	1,045.890	1,298.470	823.311
Claims on Private Sector	24,843.640	34,053.850	42,151.390	44,901.418	48,763.018
Claims on NBFIs	420.020	39.560	47.830	50.546	55.865
Liabilities Total	49,385.314	54,299.783	64,794.161	85,365.118	97,648.141
Demand Deposits	30,283.599	35,755.050	36,079.213	49,925.497	55,798.995
Time Deposits	11,256.156	10,556.944	19,373.113	25,944.933	31,161.822
Foreign Currency Deposits	1,167.500	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	5,812.476	6,921.519	7,516.251	6,735.495	7,507.670
Other Items (Net)	865.582	1,066.270	1,825.584	2,759.194	3,179.654

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 12.1.5: Monetary and Financial Statistics of Bhutan National Bank Limited, 2017 - 2021

(Nu. in Million)

Item	2017	2018	2019	2020	2021
Assets Total	36,579.759	35,979.413	38,979.220	47,176.711	54,113.181
Reserves with RMA	8,944.451	5,599.972	5,242.148	9,547.090	13,744.876
Foreign Assets	668.504	1,138.163	591.602	1,237.008	1,105.381
Indian rupee	176.449	420.577	313.183	335.381	290.109
Other currencies	492.055	717.586	278.419	901.627	815.272
Claims on Government	0.273	0.221	0.000	987.999	1,687.999
Claims on Government Corporations	115.332	116.953	115.332	115.332	115.332
Claims on Public Sector ¹	607.259	595.681	119.563	119.852	119.700
Claims on Private Sector	25,467.880	28,028.391	32,663.705	35,107.553	37,283.288
Claims on NBFIs	776.060	500.033	246.871	61.877	56.605
Liabilities Total	36,579.759	35,979.413	38,979.220	47,176.711	54,113.181
Demand Deposits	11,376.492	10,685.827	10,858.387	13,499.637	16,973.891
Time Deposits	13,821.483	14,796.359	17,457.702	22,034.016	25,609.416
Foreign Currency Deposits	2,098.334	1,191.551	1,086.706	936.502	422.011
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	7,560.928	7,644.832	7,706.084	7,752.246	8,521.979
Other Items (Net)	1,722.522	1,660.845	1,870.341	2,954.310	2,585.884

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 12.1.6: Monetary and Financial Statistics of Druk PNB Bank Ltd., 2017 - 2021

(Nu. in Million)

Item	2017	2018	2019	2020	2021
Assets Total	11,678.744	13,236.749	13,984.723	18,828.110	18,543.649
Reserve with RMA	3,941.479	3,916.926	1,907.085	5,768.184	3,982.927
Foreign Assets	1,068.976	599.700	860.508	459.177	296.261
Indian rupee	404.007	353.102	342.949	191.205	159.916
Other currencies	664.969	246.598	517.559	267.971	136.345
Claims on Government	0.000	0.000	0.000	250.000	348.800
Claims on Govt. Corporations	318.709	333.586	424.094	55.000	55.000
Claims on Public Sector ¹	147.915	264.144	132.512	99.266	114.827
Claims on Private Sector	5,870.431	7,772.341	10,560.550	12,196.484	13,745.834
Claims on NBFIs	331.234	350.052	99.976	0.000	0.000
Liabilities Total	11,678.744	13,236.749	13,984.723	18,828.110	18,543.649
Demand Deposits	6,312.212	4,798.697	5,466.549	8,365.749	6,852.825
Time Deposits	4,509.305	7,084.164	6,734.897	7,918.706	8,587.995
Foreign Currency Deposits	0.000	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	1,306.073	1,852.266	1,993.873	2,348.716	2,445.862
Other Items (Net)	(448.846)	(498.378)	(210.595)	194.939	656.967

Note: ¹ With effect from January 1, 2011 Claims on Joint Corporations has been reclassified as Claims on Public Sector as 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, 2017

(Nu. in Million)

Item	2017	2018	2019	2020	2021
Assets Total	23,223.761	24,702.554	25,196.804	28,124.064	31,618.914
Reserves with RMA	3,873.221	5,244.792	4,872.738	6,296.141	8,750.924
Foreign Assets	11.687	15.767	9.717	6.882	3.916
Indian rupee	11.687	15.767	9.717	6.882	3.916
Other currencies	0.000	0.000	0.000	0.000	0.000
Claims on Government	0.000	0.000	0.000	329.334	329.334
Claims on Govt. Corporations	52.294	65.011	69.587	20.775	0.000
Claims on Public Sector ¹	33.442	33.442	33.442	28.442	28.442
Claims on Private Sector	18,631.191	18,662.314	19,930.988	21,151.158	22,314.965
Claims on NBFIs	621.926	681.227	280.332	291.332	191.332
Liabilities Total	23,223.760	24,702.550	25,196.800	28,124.064	31,618.914
Demand Deposits	4,398.660	5,068.010	5,699.650	8,685.917	11,276.684
Time Deposits	11,672.380	12,292.330	11,995.170	12,635.233	14,139.519
Foreign Currency Deposits	0.000	0.000	0.000	0.000	0.000
Foreign Liabilities	279.600	0.000	0.000	0.000	0.000
Indian rupee	0.000	0.000	0.000	0.000	0.000
Other currencies	279.600	0.000	0.000	0.000	0.000
Govt. Deposits	0.000	0.000	0.000	0.000	0.000
Domestic Borrowings ²	263.770	868.720	743.710	638.429	501.210
Capital Accounts	2,014.939	2,391.423	2,341.816	2,745.972	3,114.081
Other Items (Net)	4,594.414	4,082.067	4,416.458	3,418.513	2,587.420

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

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

² Due to changes in the classification of foreign liabilities, the external borrowing of the BDBL has been reclassified as the domes 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, 2017 -

(Nu. in Million)

Item	2017	2018	2019	2020	2021
Assets Total	6,714.411	8,397.762	10,750.295	11,740.595	13,178.797
Reserve with RMA	1,219.075	1,197.963	1,376.944	1,699.891	2,452.750
Foreign Assets	244.176	509.523	1,258.095	1,193.462	1,035.007
Indian rupee	142.033	263.770	623.032	809.600	743.272
Other currencies	102.143	245.754	635.063	383.862	291.735
Claims on Government	40.000	40.000	20.000	349.334	349.334
Claims on Govt. Corporations	0.000	0.000	0.000	130.924	64.383
Claims on Public Sector ¹	51.944	71.277	143.764	144.973	116.745
Claims on Private Sector	5,151.716	6,420.291	7,743.681	8,214.261	8,791.206
Claims on NBFIs	7.500	158.708	207.812	7.750	369.371
Liabilities Total	6,714.411	8,397.762	10,750.295	11,740.595	13,178.797
Demand Deposits	2,340.125	2,828.229	2,775.206	3,614.026	4,320.384
Time Deposits	1,990.574	2,955.382	4,024.350	4,019.449	5,263.565
Foreign Currency Deposits	7.002	7.059	1.424	1.060	3.010
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	721.435	866.636	1,465.526	1,474.334	1,587.556
Other Items (Net)	1,655.275	1,740.455	2,483.789	2,631.726	2,004.282

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.

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, 2017-2021

(Nu. in Million)

Item	2017	2018	2019	2020	2021
Assets Total	20,494.849	22,047.985	23,456.043	24,802.126	25,457.756
Reserves	1,560.306	1,318.239	984.327	565.820	1,071.499
Foreign Assets	20.616	141.500	0.000	65.103	25.284
Indian rupee	0.000	0.000	0.000	65.103	25.284
Other currencies	20.616	141.500	0.000	0.000	0.000
Claims on Govt.	0.000	0.000	0.000	0.000	0.000
Claims on Govt. Corporations	12.670	0.000	54.900	173.700	173.700
Claims on Public Sector ²	37.790	37.790	37.790	37.790	37.790
Claims on Private Sector	17,501.289	19,088.281	20,726.850	21,077.537	20,872.812
Claims on DMBs	1,303.614	1,403.614	1,593.614	2,793.614	3,188.109
Claims on NBFIs	58.560	58.560	58.560	88.561	88.561
Liabilities Total	20,494.849	22,047.985	23,456.043	24,802.126	25,457.756
Life Fund	3,849.874	4,851.309	4,692.856	4,604.656	2,439.910
PPF Fund	272.901	187.008	252.402	254.267	6,898.887
Group Insurance Fund	1,702.449	1,986.400	2,372.328	7,442.866	5,622.576
Credit from DMBs	1,621.262	1,207.097	455.894	-9.288	-10.485
Credit from NBFIs	3,452.485	2,621.500	2,621.500	2,499.000	1,499.000
Capital Accounts	2,907.278	969.283	2,312.073	2,404.404	3,936.425
Other Items (Net)	6,688.600	10,225.387	10,748.991	7,606.220	5,071.443

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, 2017 - 2021

(Nu. in Million)

Item	2017	2018	2019	2020	2021
Assets Total	1,878.498	2,156.087	2,349.194	2,454.078	2,795.439
Reserves	191.892	297.963	190.772	188.588	204.055
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	3.995
Claims on Private Sector	1,549.443	1,720.960	1,951.981	2,062.327	2,347.260
Claims on DMBs	75.413	75.413	138.691	135.413	174.129
Claims on NBFIs	60.000	60.000	66.000	66.000	66.000
Liabilities Total	1,878.498	2,156.087	2,349.194	2,454.078	2,795.439
General Insurance Reserve Fund	0.000	0.000	0.000	0.000	0.000
Life Fund	0.000	0.000	0.000	0.000	0.000
PPF Fund	0.000	0.000	0.000	0.000	0.000
Group Insurance Fund	0.000	885.670	863.050	996.022	1,320.614
Credit from DMBs	0.000	0.000	0.000	0.000	0.000
Credit from NBFIs	295.500	310.500	200.000	351.581	196.309
Capital Accounts	558.082	601.218	689.140	742.332	1,134.909
Other Items (Net)	1,024.916	358.702	597.000	364.143	143.607

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, 2017 - 2021

(Nu. in Million)

Item	2017	2018	2019	2020	2021
Assets Total	77,975.194	69,911.040	86,555.808	108,688.840	109,280.498
Foreign Assets	76,485.979	67,916.894	85,483.934	107,612.304	108,634.953
Indian rupee	26,617.344	15,725.526	20,640.196	28,744.211	8,937.100
Other currencies	49,868.635	52,191.368	64,843.738	78,868.093	99,697.853
Claims on DMBs	1,427.671	1,326.302	1,047.935	1,057.745	583.375
Claims on Government	27.923	638.001	0.000	0.000	46.221
Claims on Private Sector	33.621	29.843	23.938	18.790	15.950
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	77,975.194	69,911.040	86,555.808	108,688.840	109,280.498
Reserve Money	32,712.247	29,898.112	35,566.701	63,161.363	69,159.173
o/w Currency outside banks	8,767.080	9,171.411	10,946.716	11,614.517	10,903.338
Foreign Liabilities	7,046.138	7,000.000	14,107.623	7,000.000	7,000.000
Indian rupee	7,046.138	7,000.000	14,107.623	7,000.000	7,000.000
Other currencies	0.000	0.000	0.000	0.000	0.000
Government Deposits	0.000	6,848.351	11,415.951	13,399.340	8,665.280
RMA Bills Outstanding	0.000	0.000	0.000	0.000	0.000
Capital Accounts	3,858.360	5,713.230	3,983.880	3,329.952	1,883.075
Other Items (Net) ¹	24,827.460	20,451.350	21,481.660	21,798.184	22,572.970

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, 2017 - 2021

(In Million Nu.)

Industry	2017	2018	2019	2020	2021
Agriculture	5,690.27	5,857.00	6,274.68	6,380.22	6,290.10
Bank of Bhutan Ltd	58.8	150.4	211.77	212.64	237.92
Bhutan National Bank Ltd	0.4	48.4	83.4	72.7	81.1
Bhutan Development Bank Ltd	5606.0	5640.2	5904.5	6018.0	5892.2
Druk PNB Bank Ltd	17.0	9.5	17.8	21.0	20.6
T Bank Ltd	0.0	1.0	2.3	1.9	1.7
Royal Insurance Corporation of Bhutan Ltd	3.8	3.5	51.6	52.8	56.6
Bhutan Insurance Ltd	4.2	4.1	3.4	1.3	0.0
Service and Tourism	22,905.26	28,744.17	37,106.23	38,605.37	42,255.59
Bank of Bhutan Ltd	7587.5	10686.7	13242.8	14869.3	16855.1
Bhutan National Bank Ltd	4435.9	5268.4	9241.1	7534.1	8541.2
Bhutan Development Bank Ltd	3102.1	2842.0	3242.8	3511.1	3630.2
Druk PNB Bank Ltd	1692.2	2498.1	2772.9	3397.9	3801.9
T Bank Ltd	490.7	784.9	1219.3	1732.6	1813.0
Royal Insurance Corporation of Bhutan Ltd	5489.7	6596.4	7312.3	7506.3	7397.6
Bhutan Insurance Ltd	107.3	67.7	75.1	54.1	216.6
Manufacturing	13,362.01	13,923.64	16,580.08	18,758.41	19,413.20
Bank of Bhutan Ltd	3753.9	3965.9	5032.6	6617.3	6790.9
Bhutan National Bank Ltd	4729.3	4592.9	4172.2	4354.4	4377.0
Bhutan Development Bank Ltd	934.5	848.2	1028.8	1039.8	1126.3
Druk PNB Bank Ltd	1476.1	1857.4	2782.5	2958.7	3214.1
T Bank Ltd	266.9	250.8	291.7	319.8	298.1
Royal Insurance Corporation of Bhutan Ltd	2034.6	2246.7	3086.6	3281.5	3337.5
Bhutan Insurance Ltd	166.8	161.9	185.7	186.9	269.3
Building and Construction	23,421.99	28,634.50	37,160.11	40,912.26	43,703.59
Bank of Bhutan Ltd	6723.1	10073.2	14221.7	15536.8	16312.2
Bhutan National Bank Ltd	7234.0	8267.2	10027.8	11087.3	11874.7
Bhutan Development Bank Ltd	3094.8	3359.2	4010.1	4535.8	5039.9
Druk PNB Bank Ltd	1635.5	1724.9	2630.3	3149.1	3611.3
T Bank Ltd	1624.9	2194.4	2834.3	2979.2	3163.4
Royal Insurance Corporation of Bhutan Ltd	2749.6	2673.6	2808.0	2817.4	2848.6
Bhutan Insurance Ltd	360.2	342.0	627.9	806.5	853.5
Trade and Commerce	14,195.04	16,337.52	16,500.79	20,274.02	20,362.85
Bank of Bhutan Ltd	1759.3	2226.2	2898.6	2942.6	2857.5
Bhutan National Bank Ltd	5938.2	6632.7	5293.1	8558.5	8362.8
Bhutan Development Bank Ltd	1487.9	1415.0	1636.8	1948.6	2266.0
Druk PNB Bank Ltd	436.7	1026.3	1412.0	1494.0	1778.5
T Bank Ltd	783.9	849.9	976.6	1006.4	941.6
Royal Insurance Corporation of Bhutan Ltd	3592.0	3924.1	3981.1	4066.6	3924.9
Bhutan Insurance Ltd	197.1	263.3	302.8	257.3	231.6
Transport	5,510.52	6,842.16	6,336.81	6,448.99	7,224.98
Bank of Bhutan Ltd	1,205.15	2,058.58	1,885.37	1,780.86	1,863.19
Bhutan National Bank Ltd	1,515.88	1,809.31	1,892.26	1,906.59	2,041.25
Bhutan Development Bank Ltd	1,293.66	1,116.04	961.50	1,197.66	1,538.40
Druk PNB Bank Ltd	121.38	159.76	147.77	136.64	156.89
T Bank Ltd	236.34	223.59	181.90	214.21	279.39
Royal Insurance Corporation of Bhutan Ltd	629.82	742.58	657.51	620.69	705.72
Bhutan Insurance Ltd	508.29	732.30	610.51	592.35	640.13

Table 12.1.12: Lending of Financial Institutions by Industry, Amounts Outstanding, 2017 - 2021

(In Million Nu.)

Industry	2017	2018	2019	2020	2021
Personal Loans	13,001.07	13,561.05	14,559.75	14,506.53	14,928.58
Bank of Bhutan Ltd	5,309.12	5,510.17	6,089.15	6,150.95	6,495.18
Bhutan National Bank Ltd	1,259.33	1,141.04	1,597.10	1,253.51	1,575.14
Bhutan Development Bank Ltd	2,459.39	2,736.15	2,428.73	2,338.92	2,294.00
Druk PNB Bank Ltd	546.45	641.65	789.57	1,005.80	1,010.71
T Bank Ltd	985.06	1,275.33	1,598.26	1,709.25	1,727.79
Royal Insurance Corporation of Bhutan Ltd	2,317.10	2,172.49	1,971.74	1,935.70	1,782.51
Bhutan Insurance Ltd	124.62	84.22	85.19	112.41	43.26
Loan Against Shares	337.45	441.26	403.05	384.08	546.67
Bank of Bhutan Ltd	5.36	15.86	14.31	16.74	14.74
Bhutan National Bank Ltd					
Bhutan Development Bank Ltd					
Druk PNB Bank Ltd	99.09	131.15	1.21	0.90	106.27
T Bank Ltd	100.07	256.26	334.81	321.91	344.30
Royal Insurance Corporation of Bhutan Ltd	84.79		15.60	15.41	15.28
Bhutan Insurance Ltd	48.14	37.99	37.12	29.12	66.08
Government (Short term loans)	469.33	420.43			0.00
Bank of Bhutan Ltd					
Bhutan National Bank Ltd	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	13.96	19.98	19.65	34.31	2.05
Bank of Bhutan Ltd	10.55	16.72	16.64	31.10	
Bhutan National Bank Ltd	3.41	3.25	3.02	3.20	2.05
Bhutan Development Bank Ltd					
Druk PNB Bank Ltd					
T Bank Ltd					
Royal Insurance Corporation of Bhutan Ltd					
Bhutan Insurance Ltd					
Others	4,431.70	4,668.10	4,157.40	3,117.30	3,826.18
Bank of Bhutan Ltd	801.56	939.70	1,085.90	1,023.27	1,511.75
Bhutan National Bank Ltd	1,137.53	889.95	614.02	390.91	495.32
Bhutan Development Bank Ltd	806.33	966.97	708.18	576.09	539.70
Druk PNB Bank Ltd	393.86	421.34	344.37	101.59	127.55
T Bank Ltd	771.76	806.78	650.42	304.14	403.03
Royal Insurance Corporation of Bhutan Ltd	487.77	615.88	730.21	698.97	721.99
Bhutan Insurance Ltd	32.89	27.51	24.36	22.33	26.84
Total	103,338.61	119,449.81	139,098.55	149,421.49	158,553.79

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, 2017 - 2021

(Percent)

Type of Deposit	2017	2018	2019	2020	2021
Savings					
Saving deposit account	5.00	5.00	5.00	5.00	5.00
Empower savings account				5.25	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	5.50	5.50	5.50
1 year to less than 2 years	6.75	6.50	6.75	6.75	6.75
2 years to less than 3 years	7.25	7.00	7.25	7.25	7.25
3 years less than 5 years	7.75	7.25			
3 years less than 4 years			7.50	7.50	7.50
4 years less than 5 years			7.75	7.75	7.75
5 years less than 7 years	8.50	7.25			
5 years less than 6 years			8.00	8.00	8.00
6 years less than 7 years			8.25	8.25	8.25
7 years and above	8.75	7.25	8.50	8.50	8.50
For Institutions & Companies					
1 month to less than 3 months			0.75	0.75	0.75
3 months to less than 6 months			1.50	1.50	1.50
6 months to less than 1 year			3.00	3.00	3.00
91 days to less than 1 year					
1 year to less than 2 years	7.00	6.00	6.00	6.00	6.00
2 years to less than 3 years	7.50	6.50	6.50	6.50	6.50
3 years to less than 5 years	8.00	7.25			
3 years to less than 4 years			7.25	7.25	7.25
4 years to less than 5 years			7.50	7.50	7.50
5 years to less than 6 years			7.75	7.75	7.75
5 years to less than 7 years	8.25	7.25			
6 years to less than 7 years			8.00	8.00	8.00
7 years & above	8.75	7.25	8.25	8.25	8.25
Recurring Deposit Plus					
91 days to less than 1 year	5.00	4.75	4.75	4.75	4.75
1 year to less than 2 years	7.00	6.75	6.75	6.75	6.75
2 years to less than 3 years	7.50	7.25	7.25	7.25	7.25
3 years to less than 5 years	8.00	7.25	7.25	7.25	7.25

Table 12.1.13: Interest Rates by Type of Deposits in Bank of Bhutan, 2017 - 2021

(Percent)

Type of Deposit	2017	2018	2019	2020	2021
5 years to less than 7 years	8.50	7.25	7.25	7.25	7.25
7 years and above	8.75	7.25	7.25	7.25	7.25
Simple Recurring Deposit					
91 days to less than 1 year	5.00	5.00	5.00	5.00	5.00
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	7.25	7.25	7.25	7.25
3 years to less than 5 years	8.00	7.25	7.25	7.25	7.25
5 years to less than 7 years	8.50	7.25	7.25	7.25	7.25
7 years and above	8.75	7.25	7.25	7.25	7.25
Flexi Recurring Deposit					
91 days to less than 1 year	4.75	4.75	4.75	4.75	4.75
1 year to less than 2 years	6.75	6.75	6.75	6.75	6.75
2 years to less than 3 years	7.25	7.25	7.25	7.25	7.25
3 years to less than 5 years	7.75	7.25	7.25	7.25	7.25
5 years to less than 7 years	8.25	7.25	7.25	7.25	7.25
7 years and above	8.50	7.25	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., 2017 - 2021

Sector/Products	As of Sept. 2017				As of Sept. 2018				As of Sept. 2019			
	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 (%)
Agriculture												
Term	15	8.00	9.00	10.00	15	8.00	9.00	10.00	15	8.00	9.00	11.00
Working capital	1	9.00			1	9.00			1	9.00		
Housing												
Non-commercial	15	8.00	10.00	11.00	20	8.00	10.00	11.00	20	8.00	10.00	11.00
Commercial	20	9.00	11.00	13.00	20	9.00	11.00	13.00	20	9.00	11.00	13.00
Personal												
Consumer loan	5	9.00			5	9.00			5	9.00		
Loan against shares	6	11.00	12.00	12.00	5	11.00	12.00	12.00	5	11.00	12.00	13.00
Mortgage (loan against immovable assets)	5	9.00			5	9.00			5	9.00		
Others	1	13.00			1	13.00			1	13.00		
Festival advance	5	10.00			5	9.00			5	9.00		
Ladies plus	3	10.00				9.00			3	9.00		
Purchase of shares/security	6	11.00	12.00	13.00	6	11.00	12.00	13.00	6	8.00	10.00	11.00
Settlement loan	1	10.00			2	10.00			2	10.00		
Service												
Hospitality/entertainment/recreational	15	10.00	11.00	12.00	20	10.00	11.00	12.00	20	10.00	11.00	13.00
IT related business	15	8.00	10.00	11.00	20	8.00	10.00	11.00	20	9.00	10.00	11.00
Setting up of an institution	15	8.00	10.00	11.00	20	8.00	10.00	11.00	20	9.00	10.00	12.00
Transport (Tourism)	5	9.00			5	9.00			5	9.00		
Construction of hotel/resort/restaurant	15	8.00	10.00	11.00	20	8.00	10.00	11.00	20	8.00	10.00	12.00
Set up of Hotel/Resort/Restaurant	15	8.00	10.00	11.00	20	8.00	10.00	11.00	1	12.00	10.00	0.00
Workshops and automobiles	1	12.00			1	12.00			1	12.00		
Working capital	1	10.00			1	10.00			1	10.00		
Others					5	10.00			5	10.00		
Public transport												
Bridge / temporary loan	10	10.00	12.00	12.00	10	10.00	12.00	12.00	7	10.00	12.00	13.00
									1	13.00		

Table 12.1.14: Interest Rates and Repayment Period by Sector and Type of Loan, Bank of Bhutan Ltd., 2017 - 2021

Sector/Products	As of Sept. 2017				As of Sept. 2018				As of Sept. 2019			
	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 (%)
Trade												
Trade & Comm-export packaging credit	1	10.00			1	9.00			1	10.00		
Trade & Comm-hiring units-machinery	5	10.00			5	10.00			5	10.00		
Trade & Comm-contractors and suppliers	3	11.00			3	10.00			3	10.00		
Term loan					10	10.00	11.00	12.00	10	10.00	11.00	12.00
Trade & Comm-wholesale and retail	1	11.00			1	11.00			1	11.00		
WC for business					1				1	9.00		
Transport												
Commercial	5	9.00			5	9.00			5	9.00		
Non-commercial	5	10.00			5	9.00			5	9.00		
Education												
Student loan	7	8.00	9.00	10.00	7	7.00	9.00	10.00	7	8.00	10.00	11.00
Manufacturing												
Manufacturing	15	10.00	10.00	12.00	20	10.00	10.00	12.00	20	10.00	11.00	13.00
WCL-manufacturing					1	11.00			1	10.00		
Hydropower term loan					20	10.00	10.00	12.00	20	8.00	10.00	10.00
Renewable energy -term loan					20	10.00	10.00	12.00	20	8.00	9.00	9.00
Mining and quarrying					20		11.00	12.00	20	11.00	10.00	13.00
Bridge/ temporary loan	15	9.00			20				1	13.00		
Others												
Medical loan												

Sector/Products	As of Dec 2020				As of Dec 2021			
	Max Tenor (Yrs)	Floating (%)	Floating reset - 5yrs (%)	Fixed Rate (%)	Max Tenor (Yrs)	Floating (%)	Floating reset - 5yrs (%)	Fixed Rate (%)
Agriculture								
Term	15	8.20	9.30	10.80	15	8.17	9.35	10.85
Working capital	1	9.40			1	9.37		
Housing								
Non-commercial	20	8.00	9.90	10.70	20	7.98	9.94	10.75
Commercial	20	8.90	10.70	12.90	20	8.93	10.66	12.90
Personal								
Consumer loan	5	8.50			5	8.50		
Loan against shares	5	10.80	12.10	12.90	5	10.77	12.14	12.95
Mortgage (loan against immovable assets)	5	9.30			5	9.27		
Others	1	13.00			1	12.99		
Festival advance	5	9.50			5	9.48		
Ladies plus	3	9.40	12.20	13.50	3	9.37		
Purchase of shares/security	6	10.90	12.20	13.50	6	10.85	12.16	13.46
Settlement loan	2	9.70	12.20	13.50	2	9.67		
Service								
Hospitality/entertainment/recreational	20	9.70	11.40	12.70	20	9.74	11.40	12.75
IT related business	20	8.70	10.00	11.40	20	8.65	10.04	11.38
Setting up of an institution	20	8.70	10.40	11.70	20	8.72	10.39	11.72
Transport (Tourism)	5	8.90			5	8.92		
Construction of hotel/resort/restaurant	20	9.00	10.33	12.02	20	7.94	10.33	12.02
Set up of Hotel/Resort/Restaurant	20	7.94	10.33	12.02	1	7.94	10.33	12.02
Workshops and automobiles	1	11.66			1	11.66		
Working capital	1	9.99			1	9.99		
Others	5	9.99			5	9.99		
Public transport	7	9.72	11.81	12.73	7	9.72	11.81	12.73
Bridge / temporary loan	1	13.00			1	13.00		

Sector/Products	As of Dec 2020				As of Dec 2021			
	Max Tenor (Yrs)	Floating (%)	Floating reset - 5yrs (%)	Fixed Rate (%)	Max Tenor (Yrs)	Floating (%)	Floating reset - 5yrs (%)	Fixed Rate (%)
Trade								
Trade & Comm-export packaging credit	1	9.50			1	9.50		
Trade & Comm-hiring units-machinery	5	9.95			5	9.95		
Trade & Comm-contractors and suppliers	3	10.30			3	10.30		
Term loan	10	10.21	10.76	12.36	10	10.21	10.76	12.36
Trade & Comm-wholesale and retail	1	11.14			1	11.14		
WC for business	1	9.23			1	9.23		
Transport								
Commercial	5	9.20			5	9.20		
Non-commercial	5	9.44			5	9.44		
Education								
Student loan	7	7.98	9.80	10.59	7	7.98	9.80	10.59
Manufacturing								
Manufacturing	20	9.98	10.74	12.72	20	9.98	10.74	12.72
WCL-manufacturing	1	9.97			1	9.97		
Hydropower term loan	20	8.00	9.80	10.28	20	8.00	9.80	10.28
Renewable energy -term loan	20	8.00	9.40	9.45	20	8.00	9.40	9.45
Mining and quarrying	20	10.87	10.50	12.72	20	10.87	10.50	12.72
Bridge/ temporary loan	1	13.00			1	13.00		
Others								
Medical loan		8.49	9.8	10.59		8.2	9.8	10.59

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

Table 12.1.15: Interest Rates of Deposits in Bhutan National Bank Ltd., 2017- 2021

	(Percent)				
Type of Deposit	2017	2018	2019	2020	2021
Savings	5.00	5.00	5.00	5.00	5.00
Fixed Deposit (Retail)					
46 days to 90 days					
91 days to 180 days					
Less than 181 days					
181 days to less than 1 year	5.50	5.50	5.50	5.50	5.50
1 year to less than 2 years	6.00	6.00	6.00	6.00	6.00
2 years to less than 3 years	6.50	6.50	6.50	6.50	6.50
3 years less than 4 years	7.25	7.25	7.25	7.25	7.25
4 years to less than 5 years	7.50	7.50	7.50	7.50	7.50
5 years to less than 6 years	7.75	7.75	7.75	7.75	7.75
5 years to less than 7 years					
6 years to less than 7 years	8.00	8.00	8.00	8.00	8.00
7 years to less than 8 years	8.25	8.25	8.25	8.25	8.25
7 years to less than 10 years					
8 years to less than 9 years	8.50	8.50	8.50	8.50	8.50
9 years to less than 10 years	8.75	8.75	8.75	8.75	8.75
10 years and above	9.00	9.00	9.00	9.00	9.00
Fixed Deposit (Corporate)					
46 days to less than 90 days					
91 days to less than 180 days	Negotiable	Negotiable	Negotiable		
Less than 181 days	Negotiable	Negotiable	Negotiable		
181 days to less than 1 year	Negotiable	Negotiable	Negotiable		
1 year to less than 2 years	5.00	5.00	5.00		
2 years to less than 3 years	6.00	6.00	6.00		
3 years less than 4 years	7.25	7.25	7.25	7.25	7.25
4 years to less than 5 years	7.50	7.50	7.50	7.50	7.50
5 years to less than 6 years	7.75	7.75	7.75	7.75	7.75
5 years to less than 7 years	8.75				
6 years to less than 7 years	8.00	8.00	8.00	8.00	8.00
7 years to less than 8 years	8.25	8.25	8.25	8.25	8.25
7 years to less than 10 years					
8 years to less than 9 years	8.50	8.50	8.50	8.50	8.50
9 years to less than 10 years	8.75	8.75	8.75	8.75	8.75
10 years and above	9.00	9.00	9.00	9.00	9.00
Fixed Deposit (Plus)					
Less than 181 days					
181 days to less than 1 year					
1 year to less than 2 years					
2 years to less than 3 years					

Table 12.1.15: Interest Rates of Deposits in Bhutan National Bank Ltd., 2017- 2021

	(Percent)				
Type of Deposit	2017	2018	2019	2020	2021
3 years less than 4 years	7.00	7.00	7.00	7.32	7.32
3 years less than 5 years					
4 years to less than 5 years	7.25	7.25	7.25	7.53	7.53
5 years to less than 6 years	7.50	7.50	7.50	7.76	7.76
5 years to less than 7 years					
6 years to less than 7 years	7.75	7.75	7.75	7.98	7.98
7 years to less than 8 years	8.00	8.00	8.00	8.21	8.21
7 years to less than 9 years					
8 years to less than 9 years	8.25	8.25	8.25	8.34	8.34
9 years to less than 10 years	8.50	8.50	8.50	8.43	8.43
10 years and above	8.75	8.75	8.75	8.66	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., 2017 - 2021

Sector/Products	2017			2018			2019		
	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)
Agriculture									
Crop cultivation				8.00		5	8.00		5
Agro- processing				9.00		5-15	9.00		5-15
Livestock farming				8 - 8.50		5-15	8 - 8.50		5-15
Forestry				9.00		5-15	9.00		5-15
Others				8 - 8.50		5-15	8 - 8.50		5-15
Production & Manufacturing									
Hydro power	11.5	12.00	10	12.00	12.00	10	12.00		
Renewable energy	11.5	12.00	10	12.00	12.00	10	12.00		
Manufacturing enterprises	11.5	12.00	10	12.00	12.00	10	12.00		
Mining and quarrying	11.5	12.00	10	12.00	12.00	10	12.00	12.00	10
Handicrafts & textile production***									
Wood based products	11.5	12.00	10	12.00	12.00	10	12.00		
Traditional and herbal medicines									
Others (Working capital)	12.5	13.00	1	13.00	13.00	1	13.00		
Service									
Tourism	0.10	10.00	20	9.00	13.00	20	9.00	13.00	20
Hotels & restaurants	0.10	10.00	20	9.00	13.00	20	9.00	13.00	20
ICT									
Consultancy services									
Hospitality/entertainment/recreational services	12.00	13.00	20	9.00	13.00	20	9.00	9.00	20
Institutional/educational services	10.00	13.00	20	9.00	0.13	20	9.00	9.00	20
Health services & traditional medicines									
Non-construction (Contract)	11.00	13.00	1	11.00	13.00	1	11.00	13.00	1
Construction (Contract based)	11.00	13.00	1	11.00	13.00	1	11.00	13.00	1
Others									
Trade/Commerce									
Retail	11.00	13.00	5	11.00	13.00	5	11.00	13.00	5
Wholesale	11.00	13.00	5	11.00	13.00	5	11.00	13.00	5
Others (Overdraft)	12.00	13.00	1	12.00	13.00	1	12.00	13.00	1
Loans to FI(s)									

Table 12.1.16: Interest Rates and Repayment Period by Sector and Type of Loan, Bhutan National Bank Ltd., 2017 - 2021

Sector/Products	2017			2018			2019		
	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)
Banks									
Non-banks		Negotiable	1		Negotiable	1		Negotiable	1
Housing		Negotiable	1		Negotiable	1		Negotiable	1
Home loans	9.00	11.00%	20	9.00	11.00	20	9.00	11.00	20
Commercial loans	9.00	13.00%	20	10.00	13.00	20	10.00	13.00	20
Transport									
Commercial	11.00	12.00%	5	11.00	12.00	5	11.00	12.00	5
Non-commercial	11.00	12.00%	5	11.00	12.00	5	11.00	12.00	5
Personal									
Mortgage loan	10.00	14.00%	5	14.00	14.00	5	10.00	14.00	5
Consumer loan (GE loan)	11.00	9.50%	5	11.00	10.00	5	11.00	10.00	5
Clean loan									
Credit loan		1.5% per month	4		1.5% per month	4		1.5% per month	4
Loan against jewellery	14.00	14.00%	5	14.00	14.00	5	14.00	14.00	5
Others	14.00	14.00%	5	14.00	14.00	5	14.00	14.00	5
Education									
Education loan									
Loan Against Fixed Deposits									
Loan against fixed deposits		1% above TD interest rate	TD Term		1% above TD interest rate	TD Term		1% above TD interest rate	TD Term
Loans to the Government									
Loans to government		Negotiable	1		Negotiable	1		Negotiable	1
Others									
Medical loan									
Loan to purchase shares/securities	11.00	12.00	5	11.00	12.00	5	11.00	12.00	5
Loan against shares	11.00	12.00	5	11.00	12.00	5	11.00	12.00	5
Others									

Sector/Products	2020			2021		
	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)
Agriculture						
Crop cultivation	8.00		5	8.00		5
Agro- processing	9.00		5-15	9.00		5-15
Livestock farming	8 - 8.50		5-15	8 - 8.50		5-15
Forestry	9.00		5-15	9.00		5-15
Others	8 - 8.50		5-15	8 - 8.50		5-15
Production & Manufacturing						
Hydro power	12.00			12.00		
Renewable energy	12.00			12.00		
Manufacturing enterprises	12.00			12.00		
Mining and quarrying	12.00	12.00	10	12.00	12.00	10
Handicrafts & textile production***						
Wood based products	12.00			12.00		
Traditional and herbal medicines						
Others (Working capital)	13.00			13.00		
Service						
Tourism	9.00	13.00	20	9.00	13.00	20
Hotels & restaurants	9.00	13.00	20	9.00	13.00	20
ICT						
Consultancy services						
Hospitality/entertainment/recreational services	9.00	9.00	20	9.00	9.00	20
Institutional/educational services	9.00	9.00	20	9.00	9.00	20
Health services & traditional medicines						
Non-construction (Contract)	11.00	13.00	1	11.00	13.00	1
Construction (Contract based)	11.00	13.00	1	11.00	13.00	1
Others						
Trade/Commerce						
Retail	11.00	13.00	5	11.00	13.00	5
Wholesale	11.00	13.00	5	11.00	13.00	5
Others (Overdraft)	12.00	13.00	1	12.00	13.00	1
Loans to FI(s)						

Sector/Products	2020			2021		
	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)
Banks		Negotiable	1		Negotiable	1
Non-banks		Negotiable	1		Negotiable	1
Housing						
Home loans	9.00	11.00	20	9.00	11.00	20
Commercial loans	10.00	13.00	20	10.00	13.00	20
Transport						
Commercial	11.00	12.00	5	11.00	12.00	5
Non-commercial	11.00	12.00	5	11.00	12.00	5
Personal						
Mortgage loan	10.00	14.00	5	10.00	14.00	5
Consumer loan (GE loan)	11.00	10.00	5	11.00	10.00	5
Clean loan						
Credit loan		1.5% per month	4		1.5% per month	4
Loan against jewellery	14.00	14.00	5	14.00	14.00	5
Others	14.00	14.00	5	14.00	14.00	5
Education						
Education loan						
Loan Against Fixed Deposits						
Loan against fixed deposits		1% above TD interest rate	TD Term		1% above TD interest rate	TD Term
Loans to the Government						
Loans to government		Negotiable	1		Negotiable	1
Others						
Medical loan						
Loan to purchase shares/securities	11.00	12.00	5	11.00	12.00	5
Loan against shares	11.00	12.00	5	11.00	12.00	5
Others						

Source: Bhutan National Bank Ltd., Thimphu

Table 12.1.17: Interest Rates of Deposits in Druk PNB Bank Ltd., 2017 - 2021

(Percent)

Type of Deposit	2017	2018	2019	2020	2021
Savings	5.00	5.00	5.00	5.00	5.00
Fixed Deposit (Individual)					
3 months to less than 1 year	5.00	3.00	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	6.50	6.50	6.50	6.50
3 years less than 5 years	8.00	7.25	7.25	7.25	7.25
5 years less than 7 years	8.25	7.50	7.50	7.50	7.50
7 years and above	8.75	8.75	8.75	8.75	8.75
Fixed Deposit (Institutions & Companies)					
91 days to less than 1 year	3.00	2.00	2.00	2.00	2.00
1 year to less than 2 years	5.00	3.00	3.00	3.00	3.00
2 years to less than 3 years	5.00	4.00	4.00	4.00	4.00
3 years to less than 5 years	6.00	5.00	5.00	5.00	5.00
5 years to less than 7 years	7.00	5.00	5.00	5.00	5.00
7 years & above	7.00	5.00	5.00	5.00	5.00
Recurring Deposits					
91 days to less than 1 year	3.00	2.00	2.00	2.00	3.00
1 year to less than 2 years	5.00	3.00	3.00	3.00	6.50
2 years to less than 3 years	5.00	4.00	4.00	4.00	6.50
3 years to less than 5 years	6.00	5.00	5.00	5.00	7.25
5 years to less than 7 years	7.00	5.00	5.00	5.00	7.50
7 years & above	7.00	5.00	5.00	5.00	8.75

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., 2019 - 2021

Sector/Products	As of Jan 2019			As of Jan 2020			As of Jan 2021		
	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		11.00	10.00		11.00	10.00		11.00
Credit aurantee scheme									
Crop cultivation									
Agro processing									
Livestock farming	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
Working capital	10.00			10.00			10.00		
Others									
Housing									
Home loan (personal loan below 5 million)									
Home loan (personal loan above 5 million)									
Home loan (personal loan up to 10 million)	8.00	9.00	9.00	8.00	9.00	9.00	8.00	9.00	9.00
Commercial	10.00	10.00	11.00	10.00	10.00	11.00	10.00	10.00	11.00
Personal									
Mortgage loan	11.00			11.00			11.00		
Consumer loan (salary based)	9.00			9.00			9.00		
Personal loan to Govt. employees with check off facility	10.00			10.00			10.00		
Clean Loan	14.00			14.00			14.00		
Credit card									
Loan against jewellery									
Others	14.00			14.00			14.00		
Service & Tourism									
Service & tourism									
Credit guarantee scheme									

Table 12.1.18: Interest Rates and Repayment Period by Sector and Type of Loan, Druk PNB Bank Ltd., 2019 - 2021

Sector/Products	As of Jan 2019			As of Jan 2020			As of Jan 2021		
	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 (%)
Tourism	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
ICT	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
Hospitality, Entertainment & Recreation	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
Health Services & Traditional Medicines	11.00	12.00	12.00	11.00	12.00	12.00	11.00	12.00	12.00
Trade & Commerce									
Trade & commerce									
Export packing									
Retail	12.00			12.00			12.00		
Wholesale	12.00			12.00			12.00		
EPC	11.00			11.00			11.00		
Overdraft against IP	12.00			12.00			12.00		
Others	13.00			13.00			13.00		
Transport									
Commercial (Heavy & lights)	11.00			11.00			11.00		
Non-commercial									
Govt. employee (Salary based)	10.00			10.00			10.00		
Private and others	10.00			10.00			10.00		
Working capital	11.00			11.00			11.00		
Education									
Education	12.00			12.00			12.00		
Corporations									
Govt. owned/ guaranteed (50%)	9.00			9.00			9.00		
Govt. owned/ guaranteed (= or)	10.00			10.00			10.00		
Financial institutions									
Banks	9.00			9.00			9.00		
Non-banks	10.00			10.00			10.00		
Working capital	10.00			10.00			10.00		

Table 12.1.18: Interest Rates and Repayment Period by Sector and Type of Loan, Druk PNB Bank Ltd., 2019 - 2021

Sector/Products	As of Jan 2019			As of Jan 2020			As of Jan 2021		
	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 (%)
Production & Manufacturing									
Production & manufacturing									
Credit guarantee scheme/EDP									
Export packing									
Hydro power									
Renewable energy									
Manufacturing enterprises	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
Handicrafts & textile productions	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
Traditional and herbal medicines									
Other EDP	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		
Working capital	11.00			11.00			11.00		
Other (Transport)	11.00	12.00	12.00	11.00	12.00	12.00	11.00	12.00	12.00
Contract & Supply Order									
Contract & supply order									
Contract (Non construction)	11.00			11.00			11.00		
Contract (Construction)	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
Working capital	12.00			12.00			12.00		
Others	12.00			12.00			12.00		
Others									
Share loan & others									
Medical loan									
Purchase shares/securities	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
Overdraft	11.00			11.00			11.00		

Table 12.1.18: Interest Rates and Repayment Period by Sector and Type of Loan, Druk PNB Bank Ltd., 2019 - 2021

Sector/Products	As of Jan 2019			As of Jan 2020			As of Jan 2021		
	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 (%)
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
Housing loan	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., 2017 - 2021

	(Percent)				
Type of Deposit	2017 ¹	2018 ²	2019 ³	2020	2021
Savings					
Normal savings	6.00	5.75	5.60	0.06	5.60
Drinchen Ama savings	6.50	5.75	5.60	0.06	5.60
Fixed Deposit (Individual)					
3 months to 4 months	6.50	5.90	5.90	5.90	5.90
4 months to 6 months	6.50	5.90	5.90	5.90	5.90
6 months to 9 months	7.00	5.90	5.90	5.90	5.90
9 months to 1 year	7.00	6.00	6.00	6.00	6.00
1 year to 2 years	7.50	7.00	7.00	7.00	7.00
2 years to 3 years	8.00	7.50	7.30	7.30	7.30
3 years to 4 years	8.50	8.00	8.00	8.00	8.00
4 years to 5 years	8.75	8.25	8.00	8.00	8.00
5 years to 6 years	9.25	8.50	8.30	8.30	8.30
6 years to 7 years	9.25	8.60	8.30	8.30	8.30
7 years to 8 years	9.50	9.10	8.75	8.75	8.75
8 years to 9 years	9.50	9.25	8.80	8.80	8.80
9 years to 10 years	9.50	9.35	8.90	8.90	8.90
Above 10 years	10.00	9.50	9.10	9.10	9.10
For Institutions & Companies					
46 days to 3 months					
3 months to 4 months		4.25	2.00	2.00	2.00
3 months to 6 months	4.50			2.00	2.00
4 months to 6 months		4.50	2.00	2.00	2.00
6 months to 9 months	5.00	5.00	3.00	3.00	3.00
9 months to 1 year	6.00	5.50	3.50	3.50	3.50
1 year to 2 years	7.00	6.50	5.25	5.25	5.25
2 years to 3 years	7.50	7.00	6.25	6.25	6.25
3 years to 4 years	8.15	7.50	7.35	7.35	7.35
4 years to 5 years	8.30	7.75	7.60	7.60	7.60
5 years to 6 years		8.00	7.85	7.85	7.85
5 years to 7 years	8.75				
6 years to 7 years		8.25	8.15	8.15	8.15
7 years to 8 years		8.50	8.35	8.35	8.35
7 years to 10 years	9.00				
8 years to 9 years		8.75	8.60	8.60	8.60
9 years to 10 years		9.00	8.80	8.80	8.80
Above 10 years	9.25	9.25	9.10	9.10	9.10
Recurring Deposits					
46 days to 3 months					
3 months to 4 months					

Table 12.1.19: Interest Rates of Deposits in Bhutan Development Bank Ltd., 2017 - 2021

(Percent)

Type of Deposit	2017 ¹	2018 ²	2019 ³	2020	2021
3 months to 6 months					
4 months to 6 months					
6 months to 9 months	7.00	5.75	5.75	5.75	5.75
9 months to 1 year	7.00	6.00	6.00	6.00	6.00
1 year to 2 years	7.50	7.00	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	8.25	8.25	8.25	8.25
5 years to 6 years	8.75	8.50	8.50	8.50	8.50
5 years to 7 years					
6 years to 7 years	8.75	8.60	8.60	8.60	8.60
7 years to 8 years	8.75	8.80	8.80	8.80	8.80
7 years to 10 years					
8 years to 9 years					
9 years to 10 years	8.75	9.00	9.00	9.00	9.00
Above 10 years		9.25	9.10	9.10	9.10

Note: ¹ Fixed deposit of Institutions & Companies for the year 2017 is with effect from 2nd Feb 2017.

² Fixed deposit of Institutions & Companies for the year 2018 is with effect from 1st April 2018.

³ 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, 2017 - 2021

Sector/Products	2017			2018			2019		
	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	10.00	5	10.00	5	10.00	5	10.00	5	
Animal husbandry loan	11.00	10	11.00	10	11.00	10	11.00	10	
DAMC cooperative revolving loan	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	
Group term loan	10.00	5	10.00	5	10.00	5	10.00	5	
Resettlement term loan	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	
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	10.00	10	
	11.00	20	11.00	20	11.00	20	11.00	20	
Commercial	11.00	5	11.00	5	11.00	5	11.00	5	
	11.00	10	11.00	10	11.00	10	11.00	10	
	11.00	20	11.00	20	11.00	20	11.00	20	
Personal Loan									
Consumer loan	10.00	5	10.00	5	10.00	5	10.00	5	
Personal loan	14.00	5	14.00	5	14.00	5	14.00	5	
Home settlement loan	10.00	5	10.00	5	10.00	5	10.00	5	
Staff Loan									
Staff loan- Housing	5.00	5, 10, 20	5.00	5, 10, 20	5.00	5, 10, 20	5.00	5, 10, 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		5.00		
Invoked BG loan			Applying highest interest rate						
Service Loan									
Service & tourism loan	11.00	5	11.00	5	11.00	5	11.00	5	
	11.00	10	11.00	10	11.00	10	11.00	10	
	11.00	20	11.00	20	11.00	20	11.00	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	
Trade & Commerce									
General trade loan	12.00	5	12.00	5	12.00	5	12.00	5	

Table 12.1.20: Interest Rates and Repayment Period by Sector and Type of Loan, Bhutan Development Bank Ltd, 2017 - 2021

Sector/Products	2017			2018			2019		
	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)	
Micro enterprise loan (BCCI scheme)	12.00	3	12.00	3	12.00	3	12.00	3	
BCCI SME revolving loan	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	
Overdraft general	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	
Electric/hybrid									
Education Loan									
Education loan	10.00	5	10.00	5	10.00	5	10.00	5	
Education and skill enhancement loan							14.00	6 months	
OSED 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	
	12.00	10	12.00	10	12.00	10	12.00	10	
Small scale industrial loan	11.00	5	11.00	5	11.00	5	11.00	5	
	12.00	10	12.00	10	12.00	10	12.00	10	
Working capital (Term loan)	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	13.00	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									

Sector/Products	2020		2021	
	Interest Rate (% p.a)	Repayment Period (Yrs)	Interest Rate (% p.a)	Repayment Period (Yrs)
Agriculture & Animal Husbandry				
Agriculture loan	10.25	5	10.25	5
Animal husbandry loan	10.50	5 to 10	10.50	5 to 10
DAMC cooperative revolving loan	10.00	5	10.00	5
Group seasonal loan	10.00	1	10.00	1
Group term loan	10.00	5	10.00	5
Resettlement term loan	10.00	5	10.00	5
Seasonal loan	11.55	1	11.55	1
Co-operative loan	12.00	5	12.00	5
Housing Loan				
	10.00	5	10.00	5
Home	10.25	10	10.25	10
	10.50	20	10.50	30
	10.50	5	10.50	5
Commercial	11.00	10	11.00	10
	11.25	20	11.25	30
Personal Loan				
Consumer loan	9.50	5	9.50	5
Personal loan	13.50	5	13.50	5
Home settlement loan	9.50	5	9.50	5
Staff Loan				
Staff loan- Housing	5.00	20	5.00	30
Staff loan- Transport	5.00	5	5.00	5
Staff Loan- Others				
Invoked BG loan			13	3
Service Loan				
	10.70	5	10.70	5
Service & tourism loan	11.00	10	11.00	10
	11.20	20	11.20	20
Service & tourism loan				
EDP Loan	10.00	10	10.00	10
Construction loan	12.20	5	12.20	5
Trade & Commerce				
General trade loan	12.25	5	12.25	5

Sector/Products	2020		2021	
	Interest Rate (% p.a)	Repayment Period (Yrs)	Interest Rate (% p.a)	Repayment Period (Yrs)
Micro enterprise loan (BCCI scheme)	12.00	3	12.00	3
BCCI SME revolving loan	10.00	3	10.00	3
Working capital (OD)	12.00	1	12.00	1
Overdraft general	12.00	1	12.00	1
Transport Loan				
Transport	12.50	5	12.50	5
Electric/hybrid			12.50	7
Education Loan				
Education loan	10.00	5	10.00	5
Education and skill enhancement loan				
OSD loan	8.00	5	8.00	5
Production & Manufacturing				
Manufacturing and industrial loan	11.30	5	11.30	5
	12.30	10	12.30	10
Small scale industrial loan	11.30	5	11.30	5
	11.50	10	11.50	10
Working capital (Term loan)	12.00	1	12.00	1
Share/Equity				
Purchase of share/equity	11.50	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., 2017 - 2021

(Percent)

Type of Deposit	2017	2018	2019	2020	2021
Savings	5.00	5.25	5.75	5.25	5.25
Fixed Deposit (Individual)					
45 days	2.50	...	...	...	...
60 days	3.00	...	...	...	...
90 days	3.50	...	...	...	...
91 days to less than 120 days	4.25	5.00	5.00	5.00	5.00
120 days to less than 180 days	4.50	5.00	5.00	5.00	5.00
180 days to less than 270 days	5.75	5.50	5.50	5.50	5.50
270 days to less than 1 year	6.00	5.50	5.75	5.75	5.75
1 year to less than 2 years	7.00	6.75	6.75	6.75	6.75
2 years to less than 3 years	7.50	7.25	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	8.00	8.00	8.00	8.00
5 years to less than 6 years	8.50	8.25	8.25	8.25	8.25
7 years to less than 10 years	9.00	8.50	8.50	8.50	8.50
10 years and above	9.50	9.00	9.00	9.00	9.00
Fixed Deposit (Corporate)					
45 days	2.50	2.00	2.00	2.00	...
60 days	3.00	2.25	2.25	2.25	...
90 days	3.50	2.50	2.50	2.50	2.00
91 days to less than 120 days	4.25	2.75	2.75	2.75	2.50
120 days to less than 180 days	4.50	3.00	3.00	3.00	2.75
180 days to less than 270 days	5.75	3.50	3.50	3.50	3.50
270 days to less than 1 year	6.00	4.00	4.00	4.00	3.75
1 year to less than 2 years	7.00	5.25	5.25	5.25	4.00
2 years to less than 3 years	7.50	6.25	6.25	6.25	5.00
3 years to less than 4 years	8.00	7.25	7.25	7.25	6.00
4 years to less than 5 years	8.25	7.50	7.50	7.50	7.00
5 years to less than 6 years	8.50	8.00	8.00	8.00	7.50
7 years to less than 10 years	9.00	8.50	8.50	8.50	7.50
10 years and above	9.50	8.50	8.50	8.50	7.50
Recurring Deposits					
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

Source: T - Bank Ltd., Thimphu

Table 12.1.22: Interest Rates and Repayment Period by Sector and Type of Loan, T Bank Ltd., 2017 - 2021

Sector/Products	2017			2018			2019			2020			2021		
	Max Tenor (Yrs)	Fixed Rate (%)	Floating Rate (%)	Max Tenor (Yrs)	Fixed Rate (%)	Floating Rate (%)	Max Tenor (Yrs)	Fixed Rate (%)	Floating Rate (%)	Max Tenor (Yrs)	Fixed Rate (%)	Floating Rate (%)	Max Tenor (Yrs)	Fixed Rate (%)	Floating Rate (%)
Agriculture															
PSL Agriculture				5	8.00		5	8.00		5	8.00		5	8.00	
Housing															
Home Loan	20	10.00	9.00	20	10.00	9.00	20	11.00	9.00	20	11.00	10.00	30	11.00	9.75
Commercial	20	10.00	10.00	20	10.00	10.00	20	11.00	10.00	20	11.00	10.00	30	11.00	10.00
Personal															
Consumer loan	5	9.00	9.00	5	9.00	9.00	5		9.00	5		9.00	5		9.00
Mortgage Loan	5	13.00	13.00	5	13.00	13.00	5		13.00	5		13.00	5		12.50
Computer / Gadget Loan	2	11.00	11.00	2	11.00	11.00	2		11.00	2		11.00	5		11.00
Personal Loan	5	14.00	13.00	5	14.00	13.00	5		13.00	5		13.00	5		13.00
Festival Loan				5		13.00	5		13.00	5		9.00	5		9.45
Service															
Service & Tourism	20	9.00	9.00	20	9.00	9.00	20	9.00	9.00	20	10.00	9.00	30	10.00	9.25
Service & Tourism	10	10.00	9.00	10	10.00	9.00	10	10.00	9.00	10	10.00	9.00	10	10.00	9.25
Working Capital for Service & Tourism	7	13.00	13.00	7	13.00	13.00	7	13.00	13.00	1		11.00	1		11.00
Trading															
Trade & Commerce Loan	7	13.00	13.00	7	13.00	13.00	7	13.00	13.00	10	13.00	13.00	10	13.00	12.75
Loan to SME	5	11.00	11.00	5	11.00	11.00	5		11.00	5		11.00	5		10.75
Overdraft for Trade & Commerce	1	12.00	12.00	1	12.00	12.00	1		12.00	1		13.00	1		12.75
PLS Non-Agriculture				10	9.00		10	9.00		10	9.00		10	8.50	
Transport															
Earth Moving Equipment	5	13.00	12.00	5	13.00	12.00	5		12.00	5		13.00	5		12.50
Transport Heavy (Commercial)	5	11.00	11.00	5	11.00	11.00	5		11.00	5		11.00	5		10.75
Transport for Tourism	5	10.00	10.00	5	10.00	10.00	5		10.00	5		10.00	5		10.25
Transport Public Bus	5	10.00	10.00	5	10.00	10.00	5		10.00	5		10.00	5		10.25
Transport Light (Commercial)	5	12.00	12.00	5	12.00	12.00	5		12.00	5		12.00	5		11.50
Transport Light (Non-Commercial)	5	10.00	10.00	5	10.00	10.00	5		10.00	5		10.00	5		9.75
Education															
Education Loan	5	13.00	12.00	5	13.00	12.00	5		12.00	5		12.00	5		10.00
Production & Manufacturing															
Manufacturing and Industry	15	11.00	10.00	15	11.00	10.00	15	11.00	10.00	15	11.00	10.00	15	11.00	10.00
Working Capital for Manufacturing & Industry	1	11.00	11.00	1	11.00	11.00	1		11.00	1		11.00	1		11.00
Others															
Loan Against Shares	7	12.00	11.00	10	11.00	11.00	10	11.00	11.00	10	11.00	11.00	10	11.00	10.95

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 -2021

Sector/Products	2020		2021	
	Max tenor (Yrs)	Fixed Rate (%)	Max tenor (Yrs)	Fixed Rate (%)
Micro Loan				
Agriculture	5	2.0	5	5.0
Livestock	5	2.0	5	5.0
Manufacturing & production	5	2.0	5	5.0
Services	5	2.0	5	5.0
Cottage and Small Industry				
Agriculture	10	7.0	10	8.0
Livestock	10	7.0	10	8.0
Manufacturing & production	10	7.0	10	8.0
Services	10	7.0	10	8.0
Export Financing				
Seasonal	1	8.0	1	8.0
Non-seasonal	1	8.0	1	8.0
Working Capital	5	4.0	5	8.0

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, 2017 - 2021

Type of Insurance	Royal Insurance Corporation Ltd.					Bhutan Insurance Ltd.				
	2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
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.)	1,370.94	1,491.49	1,415.90	1,431.84	1,583.66	542.44	533.68	434.86	426.56	544.50
Insurance penetration ² (%)	0.62	0.65	0.59	0.60	0.64	0.25	0.23	0.18	0.19	0.22
Life Insurance										
Market portfolio	Monopoly (100% Market)	Monopoly (100% Market)	Monopoly (100% Market)	Monopoly (100% Market)	Monopoly (100% Market)	Monopoly (100% Market)	Monopoly (100% Market)	Monopoly (100% Market)	Monopoly (100% Market)	Monopoly (100% Market)
Density of insurance ¹ (Nu.)	1,419.06	1,623.48	1,675.32	2,565.31	1,855.16					
Insurance penetration ² (%)	0.65	0.71	0.70	1.08	0.75					

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

² Insurance 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 data are not applicable.

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

Table 12.1.25: General Insurance Business, 2019 - 2021

Class of Business	Details	2019			2020			2021		
		RICBL	BIL	RICBL	RICBL	BIL	RICBL	BIL	RICBL	BIL
Motor	Number of policies	41,777	13,449	37,916	37,916	12,607	39,863	13,225	39,863	13,225
	Gross Premium (Nu. in Million)	427,969	140,073	378,777	378,777	122,258	384,709	121,507	384,709	121,507
	Premium ceded to RI (Nu. in Million)	8,094	38,145	10,871	10,871	33,255		37,586		37,586
	Percentage of premium ceded to RI	1.89	27.00	2.87	2.87	27.00		31.00		31.00
	Gross sum insured (Nu. in Million)	24,245,459		22,568,375	22,568,375		26,992,474	5,930,337		
	Total sum reinsured (Nu. in Million)									
Fire	Percentage of SI ceded to RI									
	Number of policies	9,443	3,906	9,844	9,844	4,095	10,738	4,531	10,738	4,531
	Gross Premium (Nu. in Million)	377,775	126,001	421,965	421,965	150,224	486,221	175,389	486,221	175,389
	Premium ceded to RI (Nu. in Million)	519,928	66,176	509,511	509,511	73,457	316,548	101,938	316,548	101,938
	Percentage of premium ceded to RI	77.15	53.00	58.45	58.45	49.00	65.10	58.00	65.10	58.00
	Gross sum insured (Nu. in Million)	227,838,617		251,759,522	251,759,522		438,662,164	98,214,451		
Marine	Total sum reinsured (Nu. in Million)	162,877,346		173,924,436	173,924,436		334,935,851			
	Percentage of SI ceded to RI	71.49		69.08	69.08		76.35			
	Number of policies	607	229	507	507	275	641	358	641	358
	Gross Premium (Nu. in Million)	22,710	6,573	16,115	16,115	5,291	19,664	5,819	19,664	5,819
	Premium ceded to RI (Nu. in Million)	4,445	3,546	3,062	3,062	2,096	1,257	2,674	1,257	2,674
	Percentage of premium ceded to RI	11.38	54.00	0.07	0.07	40.00	6.40	46.00	6.40	46.00
Misc	Gross sum insured (Nu. in Million)	14,509,114		6,342,698	6,342,698		9,739,116	6,299,917		
	Total sum reinsured (Nu. in Million)	5,083,978		295,321	295,321		100,948			
	Percentage of SI ceded to RI	35.04		4.66	4.66		1.04			
	Number of policies	13,612	1,649	5,898	5,898	1,712	11,473	1,801	11,473	1,801
	Gross Premium (Nu. in Million)	54,476	49,878	43,287	43,287	41,691	49,190	108,995	49,190	108,995
	Premium ceded to RI (Nu. in Million)	34,275	36,675	15,947	15,947	33,522	6,183	91,872	6,183	91,872
	Percentage of premium ceded to RI	45.85	74.00	23.12	23.12	80.00	12.57	84.00	12.57	84.00
	Gross sum insured (Nu. in Million)	30,585,284		22,789,981	22,789,981		86,418,371	604,254,005		
	Total sum reinsured (Nu. in Million)	5,993,749		6,140,044	6,140,044		671,820			
	Percentage of SI ceded to RI	19.60		26.94	26.94		0.78			

Table 12.1.25: General Insurance Business, 2019 - 2021

Class of Business	Details	2019			2020			2021		
		RICBL	BIL		RICBL	BIL		RICBL	BIL	
Aviation	Number of policies	1	3		2			2		
	Gross Premium (Nu. in Million)	74.777	99.866		127,484.271			127.484		
	Premium ceded to RI (Nu. in Million)	74.777	99.866		127.484			127.484		
	Percentage of premium ceded to RI	1.00	1.00		0.00			1.00		
	Gross sum insured (Nu. in Million)	292,562.210	7,279.493		7,279.493			7,279.493		
	Total sum reinsured (Nu. in Million)	292,562.210	7,279.493		7,279.493			7,279.493		
Engineering	Percentage of SI ceded to RI	1.00	1.00		1.00			1.00		
	Number of policies	228	256		259			259		
	Gross Premium (Nu. in Million)	67.408	75.300		67.984			67.984		
	Premium ceded to RI (Nu. in Million)	51.918	58.086		43.318			43.318		
	Percentage of premium ceded to RI	0.77	0.77		0.64			0.64		
	Gross sum insured (Nu. in Million)	7,918.465	10,831.809		19,809.089			19,809.089		
Rural House Insurance	Total sum reinsured (Nu. in Million)	5,619.956	7,246.320		10,251.198			10,251.198		
	Percentage of SI ceded to RI	0.71	0.67		0.52			0.52		
	Number of policies	208	209		205			205		
	Gross Premium (Nu. in Million)	36.617	37.039		38.447			38.447		
	Premium ceded to RI (Nu. in Million)	0.000	22.224		23.068			23.068		
	Percentage of premium ceded to RI	0.00	0.60		0.60			0.60		
	Gross sum insured (Nu. in Million)	9,190.070	9.135		10,023.060			10,023.060		
	Total sum reinsured (Nu. in Million)	0.006	0.000		5,813.016			5,813.016		
	Percentage of SI ceded to RI	0.00	0.00		0.58			0.58		

Note: The total sum reinsured of Rural House Insurance is calculated at 60% of the Total sum insured and the premium ceded to RI is also calculated at 60% of the gross premium.

The Misc Insurance for BIL includes insurance products such as Engineering insurance, aviation insurance and various other misc insurance.

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., 2021
I. Participating (Par) Policies (as for those policies which participates in bonus)

Plan Codes	No. of Policies Sold	Sum Assured (Nu. in Million)
12 years Money Back Policy with profit	3	0.40
15 years Money Back Policy with profit	1	0.10
15 years New Version Money Back Plan	732	101.39
20 years New Version Money Back Plan	140	22.41
25 years New Version Money Back Plan	73	12.55
Ashi Nangsa Living Policy- New Version (AN-NV)	48	7.60
Double Cover Endowment Plan with profits (DEPP)	8	0.80
Gaki Pelzom Life Policy (GPLP)	454	76.19
Pho-mo Joint Life Policy (PHO-MO)	181	28.39
Youth Endowment Assurance Plan (YEAPP)	127	16.12
Total	1,767	265.95

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)
Children's Money Back Policy with GA - 12 years (CMBP-12)	13	1.85
Children's Money Back Policy with GA - 15 years (CMBP-15)	12	2.40
Children's Money Back Policy with GA - 20 years (CMBP-20)	55	8.60
Double Cover Endowment Plan without profit (DEPP-WP)	19	3.65
Drongseb Kuendrul Tshe-Sog Ngensung (Micro Credit) - II	318	86.70
Endowment Plan for Senior Citizen with Guaranteed Addition	74	12.72
Group Term Insurance (GTI)	16	299.05
Millennium Education Scheme III (2009 -present)	6,483	1,395.70
Quendue Ngensung Life Policy II (QNLPII)	3,768	1,276.92
Quendue Ngensung Life Policy Mortgage Life Assurance Policy - without profit	2	1.00
Silver Jubilee Term Policy without profit (New)	19	7.10
Ten-Tsai Mangul Ngenchoel I - 10 Years (PP 10)	337	67.86
Ten-Tsai Mangul Ngenchoel I - 10 Years (PP 5)	4	0.80
Ten-Tsai Mangul Ngenchoel I - 5 Years	1,141	180.83
Ten-Tsai Mangul Ngenchoel II	3	125.71
Ashi Nangsa Living Policy old (AN-LIV)	1	0.10
Lodeth Scheme	1,743	174.30
Rural Life Insurance (RLI)	604,845	18,145.35
Total	618,853	21,790.64

Source: Royal Insurance Corporation of Bhutan Ltd., Thimphu

Table 12.2.1: Number of Share Holders by Companies, 2017 - 2021

(Number)

Company	2017	2018	2019	2020	2021
Bhutan Board Products Ltd. (BBPL)	478	476	496	542	543
Bhutan Carbide & Chemical Ltd. (BCCL)	265	267	265	269	274
Bhutan Ferro Alloys Ltd. (BFAL)	43	43	43	43	43
Bhutan Insurance Ltd. (BIL)	4,269	4,283	4,476	4,581	4,681
Bhutan National Bank Ltd. (BNBL)	4,533	5,213	6,253	7,204	21,504
Bhutan Polymers Company Ltd. (BPCL)	127	127	144	146	164
Bhutan Tourism Corpn. Ltd (BTCL)	156	156	166	164	173
Druk Ferro Alloys Ltd. (DFAL)	457	469	487	541	617
Jigme Mining Corporation Ltd.(JMCL)	417	416	440	443	
Dungsam Polymers Ltd. (DPL)	14,317	14,288	14,210	14,199	14,201
Druk PNB Bank (DPNB)	21,941	21,987	21,630	21,548	21,513
T Bank Ltd. (TBL)	7,647	7,609	7,686	7,770	7,804
Druk Satair Corporation Ltd. (DSCL)	1,262	1,262	1,264	1,265	1,264
Druk Wang Alloys Ltd. (DWAL)	500	500	534	537	597
Kuensel Corporation Ltd. (KCL)	231	231	246	248	253
Penden Cement Authority Ltd. (PCAL)	1,403	1,446	1,514	1,635	1,716
Royal Insurance Corpn. of Bhutan (RICB)	1,481	1,606	1,853	1,997	15,734
State Trading Corpn. of Bhutan Ltd. (STCB)	136	138	151	232	284
GIC-Bhutan Re-Limited (GBRL)	1,137	1,132	1,155	1,483	1,597
Sherza Ventures Ltd. (SVL)	NA	NA	7,116	7,170	7,398
Total	60,800	61,649	70,129	72,017	100,360

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), 2017 - 2021

(Ngultrum)

Company	2017	2018	2019	2020	2021
Bhutan Board Products Ltd. (BBPL)		11.450	17.100	14.000	45.130
Bhutan Carbide & Chemical Ltd. (BCCL)	70.000	70.000	73.500	48.020	45.090
Bhutan Ferro Alloys Ltd. (BFAL)	60.000	60.000	60.000	118.730	203.700
Bhutan Insurance Ltd. (BIL)	31.000	54.000	40.500	45.900	60.000
Bhutan National Bank Ltd. (BNBL)	26.500	31.000	35.500	31.650	31.160
Bhutan Polymers Company Ltd. (BPCL)	10.000	12.500	53.680	30.250	49.500
Bhutan Tourism Corpn. Ltd (BTCL)		41.000	138.600	163.670	203.700
Druk Ferro Alloys Ltd. (DFAL)	18.500	56.640	72.250	59.000	93.000
Dungsam Polymers Ltd. (DPL)	13.600	15.000	15.500	13.650	16.500
Druk PNB Bank (DPNB)	25.100	39.670	78.000	66.000	63.500
T Bank Ltd. (TBL)	19.500	40.000	48.000	39.100	43.000
Druk Satair Corporation Ltd. (DSCL)	34.000	34.000	34.000	34.000	34.000
Druk Wang Alloys Ltd. (DWAL)	34.000	39.670	73.500	89.000	119.000
Jigme Mining Corporation Ltd.(JMCL)	80.000	70.000	535.500	402.000	
Kuensel Corporation Ltd. (KCL)	12.000		59.000	54.100	52.000
Penden Cement Authority Ltd. (PCAL)	66.000	92.000	128.000	122.100	105.000
Royal Insurance Corpn. of Bhutan (RICB)	59.000	72.000	78.500	68.000	71.000
State Trading Corpn. of Bhutan Ltd. (STCB)	17.500	34.500	64.000	47.500	61.000
GIC-Bhutan Re-Limited (GBRL)	15.000	25.150	44.000	27.000	29.300
Sherza Ventures Ltd. (SVL)			16.630	18.650	16.750

Source: Royal Securities Exchange of Bhutan Ltd. Thimphu.

Table 12.2.3: Total Traded Volume and Value of Shares by Companies, 2018 - 2021

Company	2018			2019			2020			2021		
	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)	4,000	0.046		54,897	1.060		150,579	2.030		108,621	0.370	
Bhutan Carbide & Chemicals Ltd. (BCCL)	3,800	0.270		3,045	0.220		600	0.030		900	0.040	
Bhutan Ferro Alloys Ltd. (BFAL)												
Bhutan Insurance Ltd. (BIL)	282,021	14.533		1,661,657	78.880		654,899	28.090		588,052	33.350	
Bhutan National Bank Ltd. (BNBL)	8,697,358	256.942		15,001,313	556.610		17,912,549	557.900		3,743,062	124.450	
Bhutan Polymers Company Ltd. (BPCL)	1,800	0.023		48,308	1.790		686	0.020		16,454	0.670	
Bhutan Tourism Corp. Ltd. (BTCL)	1,200	0.049		1,628	0.160		606	0.090		3,727	0.720	
Druk Ferro Alloys Ltd. (DFAL)	129,661	5.067		125,149	11.050		85,967	5.620		233,081	20.310	
Dungsam Polymers Ltd. (DPL)	389,536	5.991		248,353	5.600		146,524	2.230		140,236	2.170	
Druk Plaster & Chemicals Ltd. (DPOP)	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					332,821	21.200	
T Bank Ltd. (TBL)										220,937	9.500	
Druk Satair Corp. Ltd. (DSCL)	81,430	2.911		147,737	13.490		52,639	4.560				
Druk Wang Alloys Ltd. (DWAL)	5,000	0.242		109,034	19.430					1,110,943	110.320	
Jigme Mining Corporation Ltd. (JMCL)	546,531	10.446		1,151,140	54.900		2,142,446	71.800				
Kuensel Corporation Ltd. (KCL)	7,700	0.545		681	0.160		1,197	0.500		34,699	1.840	
Penden Cement Authority Ltd. (PCAL)				49,322	2.150		22,253	1.240		76,663	9.210	
Royal Insurance Corp. of Bhutan Ltd. (RICB)	650,357	41.981		386,941	46.240		46,278	5.850		4,779,702	299.360	
S.D Eastern Bhutan Coal Company Ltd. (EBCC)	341,578	23.208		2,951,444	246.810		1,216,376	86.710				
State Trading Corp. of Bhutan Ltd. (STCB)	92,000	1.876		75,446	3.620		169,742	8.100		92,174	4.720	
GIC-Bhutan Re-Limited (GBRL)				47,481	0.950		396,778	6.770		1,983,940	55.400	
Sherza Ventures Ltd. (SVL)	484,312	16.870		1,159,925	53.790		1,307,544	52.530		721,970	12.270	
Total	11,828,234	384.257		23,618,565	1,125.740		21,535,853	863.610		14,187,982	2,624.360	

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, 2018 - 2021

Company	2018			2019			2020			2021		
	Earning per Share (EPS)	Earning (PE) Ratio	Price	Earning per Share (EPS)	Earning (PE) Ratio	Price	Earning per Share (EPS)	Earning (PE) Ratio	Price	Earning per Share (EPS)	Earning (PE) Ratio	Price
Bhutan Board Products Ltd. (BBPL)	-2.260			-1.950			-4.200			-0.510		
Bhutan Carbide & Chemicals Ltd.(BCCL)	10.304	6.79		-13.211			-7.940			17.100		2.64
Bhutan Ferro Alloys Ltd.(BFAL)	21.310	2.82		-7.575			-4.930			60.740		1.87
Bhutan Insurance Ltd.(BIL)	1.452	37.20		3.271		12.38	2.990		15.34	5.579		10.75
Bhutan National Bank Ltd.(BNBL)	1.812	17.11		0.631		56.25	-1.630			1.340		31.16
Bhutan Polymers Company Ltd.(BPCL)	3.033	4.12		2.900		18.51	-2.260			2.130		23.27
Bhutan Tourism Corp. Ltd.(BTCL)	17.931	2.29		17.185		8.07	-25.560			-13.341		
Druk Ferro Alloys Ltd.(DFAL)	8.824	6.42		0.737		98.00	15.450		1.53	14.220		6.54
Dungsam Polymers Ltd.(DPL)	-0.042			0.370		41.88	0.353		38.62	-0.426		
Druk PNB Bank Ltd.(DPNB)	3.339	11.23		2.786		28.00	0.648		101.82	2.699		23.52
T Bank Ltd. (TBL)	3.144	12.72		4.085		11.75	0.281		139.16	1.732		24.83
Druk Satair Corp. Ltd.(DSCL)	22.077	1.54		-2.024			0.226		150.46	-0.220		
Druk Wang Alloys Ltd.(DWAL)	12.854	3.09		3.822		19.23	6.740		13.20	23.561		5.05
Jigme Mining Corporation Ltd.(JMCL)	123.872	0.63		217.340		2.46						
Kuensel Corporation Ltd.(KCL)	2.493	4.81		2.819		20.93	-3.590			-2.116		
Penden Cement Authority Ltd.(PCAL)	3.443	26.72		2.086		61.37	6.580		18.55	-2.083		
Royal Insurance Corp. of Bhutan Ltd.(RICB)	-10.281			1.882		41.71	-1.970			7.95		8.93
State Trading Corp. of Bhutan Ltd.(STCB)	3.749	9.20		2.475		25.85	-0.540			4.320		14.11
GIC-Bhutan Re-Limited (GBRL)	0.860	29.35		0.940		46.84	1.317		20.50	1.180		24.80
Sherza Ventures Ltd. (SVL)				-1.140			-0.520			-0.542		

Note: EPS = Net Profit of Companies / No. of shares,

Price Earning ratio = Market Price / EPS

Source: Annual Report, Royal Securities Exchange of Bhutan Ltd. Thimphu

Table 12.2.5: Bhutan Stock Index by Month, 2019 - 2021

Months	2019	2020	2021
January	...	1006.24	936.17
February	...	1004.23	947.89
March	...	953.32	959.61
April	...	924.07	950.33
May	...	929.72	974.3
June	...	920.90	991.78
July	...	931.07	1014.83
August	...	962.17	1023.58
September	...	945.27	1036.24
October	...	938.89	1033.15
November	...	942.80	1021.07
December	1000.00	936.08	992.12

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, 2017 - 2021

(Percent)

Company	2017	2018	2019	2020	2021
Bhutan Board Products Ltd. (BBPL)					
Bhutan Carbide & Chemicals Ltd.(BCCL)	35.00	50.00			110.00
Bhutan Ferro Alloys Ltd.(BFAL)	100.00	150.00			300.00
Bhutan Insurance Ltd.(BIL)	35.00		16.00		
Bhutan National Bank Ltd.(BNBL)	16.35	10.00	0.69		
Bhutan Polymers Company Ltd.(BPCL)	30.00	20.00			
Bhutan Tourism Corpn. Ltd (BTCL)	30.00	30.00			
Druk Ferro Alloys Ltd.(DFAL)	30.00	80.00	10.00	6.50	30.00
Druk PNB Bank Ltd.(DPNB)	12.00	15.00			
Druk Satair Corpn. Ltd.(DSCL)	100.00				
Druk Wang Alloys Ltd.(DWAL)	10.00	20.00	30.00	65.00	35.00
Jigme Mining Corporation Ltd.(JMCL)	500.00	500.00	500.00		
Kuensel Corporation Ltd.(KCL)	17.00	12.00	15.00		
Penden Cement Authority Ltd.(PCAL)	70.00	60.00			
Royal Insurance Corpn. of Bhutan Ltd.(RICB)	12.60				
T Bank Ltd. (TBL)			11.00		
State Trading Corpn. of Bhutan Ltd.(STCB)	20.00	21.00	15.00		25.00
Dungsam Polymers Ltd.(DPL)					
GIC-Bhutan Re-Limited (GBRL)	3.00				
Sherza Ventures Ltd. (SVL)					

Source: Royal Securities Exchange of Bhutan Ltd, Thimphu.

CHAPTER 13

PUBLIC FINANCE

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 2016/17 - 2020/21

(Nu. in Million)

Agency	2016/17	2017/18	2018/19	2019/20	2020/21
Ministry	11,918.394	14,572.039	13,379.639	17,797.914	45,658.819
Ministry of Home & Cultural Affairs	1,832.516	1,856.126	1,957.091	2,743.122	3,832.159
Ministry of Finance	4,666.228	7,024.070	5,482.261	7,689.107	26,182.113
Ministry of Foreign Affairs	599.043	629.519	647.153	776.751	785.301
Ministry of Agriculture & Forests	2,029.863	2,069.680	2,015.810	2,337.892	3,572.099
Ministry of Economic Affairs	331.232	271.238	259.227	424.618	1,078.418
Ministry of Works & Human Settlement	609.642	620.203	650.936	675.060	3,574.986
Ministry of Information & Communications	253.921	265.357	356.403	404.968	1,213.052
Ministry of Health	962.171	1,114.105	1,201.340	1,752.265	3,165.838
Ministry of Education	394.163	478.386	564.718	702.567	1,518.594
Ministry of Labour & Human Resources	239.615	243.355	244.700	291.564	736.259
Judiciary	269.217	292.117	282.620	353.357	372.261
Thromdes	744.496	792.060	875.839	1,237.533	2,761.321
Constitutional Bodies	538.455	602.939	798.535	412.472	579.069
Royal Civil Service Commission	67.767	58.984	62.687	67.687	195.097
Anti-Corruption Commission	72.488	84.370	82.934	95.966	116.657
Election Commission of Bhutan	243.413	284.767	477.720	49.180	67.017
Royal Audit Authority	154.787	174.818	175.194	199.639	200.298
Autonomous Bodies	2,879.666	3,070.256	4,064.676	4,807.795	6,537.654
His Majesty's Secretariat	33.474	32.519	34.868	42.888	39.993
His Majesty's Secretariat (4th King)	23.194	20.187	17.952	21.192	20.448
National Assembly of Bhutan	111.984	130.584	133.503	126.388	122.837
National Council of Bhutan	83.820	106.098	82.509	88.151	98.774
Council For Religious Affairs	635.466	664.669	699.247	719.302	916.344
Cabinet Secretariat	60.713	53.716	49.509	150.914	300.983
Office of The Attorney General	37.301	41.611	41.059	50.483	56.656
Bhutan Olympic Committee	32.035	25.972	105.523	111.232	76.756
Dzongkha Development Commission	20.937	18.786	20.139	19.016	32.543
National Land Commission	149.234	156.783	150.498	189.563	225.969
Centre for Bhutan Studies and GNH Research	24.985	40.462	33.457	18.043	23.582
Gross National Happiness Commission	37.526	39.768	42.648	44.880	116.571

Table 13.1: Annual Current Expenditure of the Government by Agency, FY 2016/17 - 2020/21

(Nu. in Million)

Agency	2016/17	2017/18	2018/19	2019/20	2020/21
National Environment Commission	29.870	30.952	34.982	48.799	185.823
Royal Institute of Management	45.456	47.374	43.644	56.383	98.509
Royal University of Bhutan	2.700	32.144	706.409	862.575	1,183.932
National Statistics Bureau	218.139	48.481	34.134	35.910	40.803
Bhutan Narcotic Control Authority	14.922	22.720	25.793	25.015	36.340
Bhutan Information Communication Media Authority	17.446	18.243	14.038	19.500	211.997
Drug Regulatory Authority	13.065	15.693	16.099	16.926	21.690
Tourism Council of Bhutan	55.057	59.486	60.928	63.838	158.419
National Commission for Women & Children	14.310	16.460	16.023	20.166	38.899
Royal Education Council	38.645	37.192	34.279	42.530	71.697
Bhutan Council for School Examination & Assessment	113.166	118.717	128.948	153.731	122.187
Royal Privy Council	12.620	14.949	12.039	13.907	12.017
Bhutan Standard Bureau	27.616	27.637	27.112	30.347	33.456
Khesar Gyalpo University of Medical Sciences of Bhutan	39.497	43.731	110.810	146.159	167.274
Jigme Singye Wangchuk School of Law	15.959	31.154	28.565	44.500	301.209
Bhutan National Legal Institute	17.936	15.837	12.071	14.033	22.773
Civil Society Organizations Authority	3.136	2.804	3.689	4.966	6.154
Jigme Dorji Wangchuk National Referral Hospital	930.612	1,050.200	1,223.029	1,500.811	1,587.934
Construction Development Authority	12.430	13.089	13.752	15.382	19.096
National Center for Hydrology and Meteorology		78.711	89.100	98.225	131.951
Bhutan Health Trust Fund	6.415	6.941	10.134	0.000	0.000
Bhutan Medical & Health Council		6.586	8.186	9.088	9.349
National Film Commission				1.405	5.252
Media Council				1.547	4.321
Bhutan Aviation Authority					35.116
Dzongkhag Administration	7,542.579	7,749.157	7,902.124	10,220.268	17,090.148
Gewog Administration	236.777	416.144	465.229	696.014	3,489.054
Total Expenditure	24,129.584	27,494.712	27,768.662	35,525.353	76,488.326

Note: The current expenditure of Royal Bhutan Police is included under Ministry of Home & Cultural Affairs.

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 2016/17 - 2020/21

(Nu. in Million)

Agency	2016/17	2017/18	2018/19	2019/20	2020/21
Ministry	15,871.80	19,180.35	10,624.29	12,019.29	14,570.55
Ministry of Home & Cultural Affairs	1,330.66	1,306.25	826.77	1,080.84	1,058.63
Ministry of Finance	2,687.38	4,153.68	1,164.75	3,646.01	3,770.20
Ministry of Foreign Affairs	113.61	110.47	47.91	284.37	62.83
Ministry of Agriculture & Forests	1,575.42	1,430.25	1,146.35	1,198.27	1,809.28
Ministry of Economic Affairs	1,245.44	945.39	358.27	514.97	720.83
Ministry of Works & Human Settlement	5,409.50	7,247.65	4,550.10	2,350.29	3,020.95
Ministry of Information & Communications	754.10	873.40	474.00	763.64	863.96
Ministry of Health	821.58	1,137.38	939.79	1,015.53	1,688.98
Ministry of Education	1,432.23	1,251.43	756.37	884.55	1,102.60
Ministry of Labour & Human Resources	501.89	724.45	359.98	280.80	472.29
Thromdes	145.95	130.66	785.02	1,002.69	1,507.94
Judiciary	201.19	152.83	83.64	58.43	71.94
Constitutional Bodies	427.41	430.02	265.81	168.55	206.54
Royal Civil Service Commission	252.40	227.15	111.08	91.91	145.92
Anti-Corruption Commission	58.11	27.92	44.23	46.87	28.20
Election Commission of Bhutan	15.66	24.67	34.55	5.45	11.91
Royal Audit Authority	101.24	150.28	75.95	24.32	20.50
Autonomous Bodies	1,920.08	2,100.00	1,671.53	1,695.93	1,951.55
His Majesty's Secretariat	1.17	0.71	7.79	7.28	3.31
His Majesty's Secretariat (4th King)	0.10	0.05	0.18	0.00	1.91
National Assembly of Bhutan	6.14	2.15	45.43	56.34	4.25
National Council of Bhutan	10.68	3.66	25.88	52.24	18.05
Council for Religious Affairs	250.02	241.33	109.22	270.10	274.64
Cabinet Secretariat	39.37	23.58	15.61	39.71	50.52
Office of the Attorney General	3.86	7.67	3.46	12.04	14.60
Bhutan Olympic Committee	131.73	147.32	114.19	36.24	9.92
Dzongkha Development Commission	4.87	9.64	7.57	14.56	14.10
National Land Commission	47.52	97.50	104.06	67.08	73.99
Centre for Bhutan Studies and GNH Research	37.31	133.83	181.43	94.86	6.79
Gross National Happiness Commission	79.89	119.88	91.11	58.04	79.28
National Environment Commission	80.80	55.19	48.27	36.93	148.23
Royal Institute of Management	31.83	28.02	19.68	12.55	43.80
Royal University of Bhutan	487.82	546.66	193.04	257.76	246.53
National Statistics Bureau	3.33	6.40	18.14	2.64	11.78
Bhutan Narcotic Control Agency	9.05	6.30	6.03	8.16	10.19

Table 13.2: Annual Capital Expenditure of the Government by Agency, FY 2016/17 - 2020/21

(Nu. in Million)

Agency	2016/17	2017/18	2018/19	2019/20	2020/21
Bhutan Information Communication Media Authority	114.07	19.60	176.31	68.82	197.17
Drug Regulatory Authority	4.63	6.02	3.21	6.04	5.29
Tourism Council of Bhutan	54.87	46.35	22.24	80.83	108.83
National Commission for Women & Children	26.81	43.28	56.22	16.31	22.37
Royal Education Council	34.77	54.16	26.64	50.28	40.96
Bhutan Council for School Examination & Assessment	13.74	12.34	4.12	12.69	12.44
Royal Privy Council	0.43	1.31	4.00	0.44	0.07
Bhutan Standard Bureau	4.93	3.45	4.88	4.54	4.31
Khesar Gyalpo University of Medical Sciences of Bhutan	43.47	31.89	39.57	38.77	15.98
Jigme Singye Wangchuk School of Law	293.53	203.52	87.36	187.55	260.50
Bhutan National Legal Institute	10.20	6.87	5.25	7.69	9.84
Civil Society Organizations Authority	1.36	4.10	1.31	3.12	1.46
Jigme Dorji Wangchuck National Referral Hospital	83.06	142.22	173.78	138.70	169.97
Construction Development Authority	8.43	6.19	2.61	4.22	5.81
National Center for Hydrology and Meteorology		86.36	70.41	44.03	60.76
Bhutan Health Trust Fund	0.32	0.87			
Bhutan Medical & Health Council		1.58	2.58	1.83	1.39
National Film Commission				2.14	2.96
Media Council				1.42	0.62
Bhutan Civil Aviation Authority					18.94
Dzongkhag Administration	4,805.33	4,683.99	1,853.33	4,759.59	6,543.19
Gewog Administration	2,465.27	2,158.80	1,001.84	2,343.45	2,724.33
Total Expenditure	25,837.03	28,836.65	16,285.47	22,047.93	27,576.03

Note: The annual capital expenditure of Royal Bhutan Police is included under Ministry of Home & Cultural Affairs.

Source : Annual Financial Statement 2019/20, Department of Public Accounts, Ministry of Finance, Thimphu.

Table 13.3: The Sector-wise Government Expenditures, FY 2017/18 - 2020/21

Sectors	(Nu. in Million)					
	2017/18		2018/19		2019/20	
	Current	Capital	Current	Capital	Current	Capital
Social Services	9,901.174	5,815.487	0.000	0.000	14,558.022	4,616.914
Health	3,170.304	1,693.833	3,477.292	1,378.828	4,706.790	1,728.617
Education	6,730.870	4,121.654	7,632.240	1,865.049	9,851.232	2,888.297
Economic Services	3,762.329	12,354.236	3,816.777	6,712.038	4,435.824	7,630.572
RNR services	2,486.707	3,718.748	2,432.000	2,161.225	2,793.301	4,321.797
Mining, manufgt. & industries services	93.010	92.140	173.405	218.838	102.870	68.227
Transport & communication services	789.703	7,107.279	899.638	3,867.983	965.699	2,393.862
Energy services	113.680	229.175	125.347	163.937	137.179	145.776
Other economic services	279.229	1,206.894	186.387	300.055	436.775	700.910
Housing & Public Amenity Services	456.456	2,115.226	481.634	2,454.451	583.901	2,303.756
General Public Services	12,104.565	6,586.424	9,442.771	2,514.323	12,166.960	5,384.516
General public service	10,258.627	6,586.424	680.004	70.392	11,335.329	5,384.516
Public debt services	1,845.938		8,762.767	2,443.931	831.631	1,863.410
Religion & Cultural Services	853.961	1,670.210	907.121	994.333	939.227	1,659.834
Public Order & Safety Services	416.225	295.063	2,010.827	366.448	2,841.421	451.337
Total Expenditure	27,494.710	28,836.646	16,659.130	13,041.593	35,525.355	22,046.929
					43,515.785	27,576.034

Source: Annual Financial Statement, 2019/20, Department of Public Accounts, Ministry of Finance, Thimphu

Table 13.4: National Revenue Collections, FY 2016/17 - 2020/21

(Nu. in Million)

Revenue Heads	2016/17	2017/18	2018/19	2019/20	2020/21
Revenue	29,713.601	36,871.372	34,707.670	36,218.876	35,855.450
Taxes	21,564.467	27,107.896	27,171.147	22,792.988	20,661.770
Taxes on Income, Profits and Capital Gains	10,443.857	11,906.535	12,088.909	10,941.288	9,687.420
Corporate income tax	8,170.299	9,033.275	9,117.405	7,511.681	7,241.530
Business income tax	1,276.903	1,496.719	1,422.493	1,138.905	1,078.540
Personal income tax	957.313	1,341.866	1,549.011	2,290.702	1,367.350
Other direct tax revenue	39.342	34.675	0.000	0.000	0.000
Taxes on Property	0.000	0.000	33.454	27.239	138.914
Recurrent taxes on immovable property	0.000	0.000	7.226	4.930	8.976
Taxes on capital transactions	0.000	0.000	26.227	22.309	129.938
Taxes on Goods and Services	8,289.437	10,055.680	9,603.992	6,916.825	5,438.252
Sales tax	3,800.122	4,283.034	4,739.184	4,945.881	4,110.600
Excise	3,579.663	4,834.083	3,405.802	802.989	341.859
Green tax	909.652	938.563	1,025.515	812.455	593.788
Taxes on use of goods and on permission to use goods or perform activities	0.000	0.000	433.491	355.500	392.005
Taxes on International Trade and Transactions	562.563	773.186	678.108	467.997	555.082
Customs and other import duties	562.563	773.186	678.108	467.997	555.082
Other Taxes	2,268.610	4,372.495	4,766.683	4,439.639	4,842.091
Passenger service charge	0.000	0.000	154.229	112.118	19.331
Duties	0.000	0.000	22.027	19.588	0.000
Royalty	1,901.937	3,974.440	4,590.427	4,307.934	4,822.760
Other indirect tax	366.673	398.055	0.000	0.000	0.000
Other Revenue	5,935.919	5,906.134	6,321.851	12,014.096	14,039.480
Property Income	5,935.919	5,906.134	6,247.944	12,046.187	14,025.286
Interest receipt from corporations	1,894.664	1,845.938	1,242.465	887.388	1,570.640
Dividend	4,041.255	4,060.196	3,405.356	4,605.708	3,039.050
Withdrawals from income of quasi-corporations	0.000	0.000	1,550.243	6,515.193	9,376.580
Miscellaneous rent	0.000	0.000	49.880	37.898	39.016
Social Contributions	0.000	0.000	73.907	-32.091	
Health contribution	0.000	0.000	73.907	-32.091	14.192
Fines & penalties	0.000	0.000	0.000	0.000	0.000
Current Revenue from Government Agencies	1,999.705	3,832.703	1,189.757	1,333.344	1,073.250

Table 13.4: National Revenue Collections, FY 2016/17 - 2020/21

(Nu. in Million)

Revenue Heads	2016/17	2017/18	2018/19	2019/20	2020/21
Administrative Fees & Charges*	744.817	730.585	815.807	974.040	764.414
Economic services	0.00	0.00	358.625	653.756	520.311
Social services	0.00	0.00	50.414	35.048	99.280
General services	0.00	0.00	406.768	285.236	144.823
Sale of Goods and Commodities	1,254.888	3,102.118	373.950	359.303	308.831
Economic services	0.00	0.00	57.161	37.934	39.912
General services	0.00	0.00	1.215	0.783	0.635
Miscellaneous and unidentified revenue*	1,254.888	3,102.118	315.574	320.586	268.284
Capital Revenue from Government Agencies	213.510	24.639	24.916	78.448	80.954
Capital Receipts	213.510	24.639	24.916	78.448	80.954
Economic services	213.510	24.639	24.916	78.448	80.954

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 2016/17 - 2020/21

(Nu. in Million)

Item	2016/17	2017/18	2018/19	2019/20	2020/21
Revenue & Grants	42,673.126	52,113.168	42,033.296	54,603.868	59,696.120
Domestic Revenue	29,713.600	36,871.372	34,707.670	36,218.876	35,855.450
Tax	21,706.997	27,107.897	27,171.147	22,792.988	20,661.770
Non-Tax	8,006.603	9,763.475	7,536.523	13,425.887	15,193.680
Other Receipts	(27.226)	394.726	(3,190.855)	1,959.242	8,958.380
Grants	12,986.752	14,847.070	10,516.481	16,425.750	14,882.290
Programme Grants	2,125.000	1,700.000	989.520	2,550.000	1,700.000
Gol	2,125.000	1,700.000	850.000	2,550.000	1,700.000
Others			139.520		
Project Tied Grants	10,861.752	13,147.070	9,526.961	13,875.750	13,182.290
Gol	7,757.572	9,500.831	5,634.765	8,893.955	8,623.620
Others	3,104.180	3,646.239	3,892.196	4,981.795	4,558.670
Outlay	48,017.988	52,658.670			
Total Expenditure	49,966.611	56,331.357	44,054.133	57,572.283	71,091.811
Current	24,129.587	27,494.710	27,768.663	35,525.353	43,515.780
Capital	25,837.024	28,836.647	16,285.470	22,046.930	27,576.031
Advance/Suspense (Net)	54.499	(1,594.807)	722.593	416.959	(255.901)
Overall Balance	(5,344.862)	(545.502)	(2,743.430)	(3,385.375)	(11,139.800)
Financing	5,344.862	545.502	2,743.431	3,385.375	11,139.800
Net lending**			1,318.468	729.250	745.570
Net External Borrowings	524.326	(102.023)	1,101.102	3,527.087	1,486.930
Borrowings	3,227.662	2,718.332	3,432.572	5,303.270	5,211.990
Less: Repayments	2,703.336	2,820.355	2,331.470	1,776.183	3,725.060
Net Internal Borrowings					
Surplus/Deficit	(4,820.536)	(647.525)	323.861	(870.962)	9,091.410
Internal borrowings			334.475	(859.559)	9,103.680
Less: Repayments			10.614	11.403	12.270
Less: Change in balance					184.120

Note: 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 2016/17 - 2020/21

(Nu. in Million)

Debt	2016/17	2017/18	2018/19	2019/20	2020/21
Total Public Debt	170,256.761	185,312.076	184,174.524	215,369.829	238,398.927
Internal Debt	10,057.344	8,159.680	5,059.597	1,986.721	17,074.454
RMA/BoBL/BNBL/DPNBL/TBank	10,000.000	8,112.209	4,661.473	1,600.000	13,000.000
Multiple Investors (Govt. Bond)	0.000	0.000	0.000	0.000	3,700.000
NPPF	57.344	47.471	398.124	386.721	13.184
NPPF Loan (BHSL)	0.000	0.000	0.000	0.000	361.270
External Debt	160,199.417	177,152.396	179,114.927	213,383.108	221,324.473
Indian rupee debt	119,207.690	133,190.701	131,432.822	152,197.420	155,004.946
Convertible currency debt	40,991.727	43,961.695	47,682.105	61,185.688	66,319.527
Total Debt Service	11,796.757	12,062.604	5,244.674	3,342.628	6,476.659
Domestic/Internal	23.132	14.172	173.967	50.276	145.338
External	11,773.625	12,048.432	5,070.707	3,292.352	6,331.321
Interest payment	2,366.214	2,488.608	2,478.696	1,596.849	2,727.304
Internal	13.939	4.300	282.794	133.789	172.076
RMA/BoBL/BNBL/DPNBL/T-Bank	8.959	0.000	279.234	131.019	42.727
Multiple Investors (Govt. Bond)	0.000	0.000	0.000	0.000	97.500
NPPF	4.980	4.300	3.560	2.770	1.905
NPPF Loans (BHSL)	0.000	0.000	0.000	0.000	29.944
External	2,352.275	2,480.008	2,195.902	1,463.060	2,555.228
India	1,758.433	1,836.444	1,480.209	738.541	1,763.116
Other than India	593.842	643.564	715.693	724.519	792.112
Principal repayment	9,418.719	9,558.209	2,955.269	1,788.771	3,789.083
Internal	9.193	9.872	122.822	11.403	12.990
RMA/BoBL/BNBL/DPNBL/TBank	0.000	0.000	112.209	0.000	0.000
Multiple Investors (Govt. Bond)	0.000	0.000	0.000	0.000	0.000
NPPF	9.193	9.872	10.613	11.403	12.990
NPPF Loans (BHSL)	0.000	0.000	0.000	0.000	0.000
External	9,409.526	9,548.337	2,832.447	1,777.368	3,776.093
India	8,059.411	8,080.451	671.296	0.000	1,392.502
Other than India	1,350.115	1,467.886	2,161.151	1,777.368	2,383.591

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

CHAPTER 14

PLAN OUTLAY

Bhutan's planned socio-economic development was started in the year 1961 when the first Five Year Plan (1961/62 to 1965/66) was incepted. 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	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
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

Organization	Outlays			% of Total
	Current	Capital	Total	
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
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 - 2023

(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

Organization	Outlays			% of Total
	Current	Capital	Total	
Bhutan Council for School Examinations and Asses:	656.000	160.000	816.000	0.41
Royal Education Council	180.030	300.000	480.030	0.24
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 Bh	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	...	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 ²	...	170.000	170.000	0.09
Civil Society Organization Authority	17.190	5.000	22.190	0.01
Tourism Council Of Bhutan ³	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: ¹ RBP current budget included under MoHCA.

² APIC Current budget included under DCSI, MoEA.

³ TCB Capital budget included under Tourism flagship.

Excluding flagship programme outlay. Over capital budgeting of Nu 3201.59 million for central agencies.

Source: Twelfth Five Year Plan Document 2018 -2023 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)

Dzongkhag	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
Trashi 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
Trashigang 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)

Dzongkhag	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
Trashie 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 Infrastructure (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
	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
Chhukha	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
	Dorona	40.760	82.800	123.560
	Drukjeygang	74.255	19.800	94.055
	Gesarling	36.306	19.800	56.106
Dagana	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
Gasa	Tseza	39.127	21.000	60.127
	Total	706.060	542.125	1,248.185
	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
	Bji	42.978	19.800	62.778
	Gakiling	52.147	61.800	113.947
	Kar-tshog	36.276	19.800	56.076
Haa	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
	Gangzur	74.707	19.800	94.507

Dzongkhag	Gewog	Resource Allocation Formula (RAF)	Common Minimum Infrastructure (CMI)	Total
Lhuentse	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
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
	Chhoekhorling	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
	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

Dzongkhag	Gewog	Resource Allocation Formula (RAF)	Common Minimum Infrastructure (CMI)	Total
Punakha	Kabisa	50.571	19.800	70.371
	Lingmukha	29.343	19.800	49.143
	SheInga-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
	Dewathang	55.229	19.800	75.029
	Gomdar	88.027	19.800	107.827
	Langchenphu	34.528	19.800	54.328
Samdrup Jongkhar	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
	Denchukha	79.287	179.300	258.587
Samtse	Dophuchen	117.777	19.800	137.577
	Dungtoed	48.118	165.380	213.498
	Namgyalchoeling	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
Sarpang	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
	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
Sarpang	Jigme Chhoeling	100.956	40.800	141.756
	Samtenling	54.597	19.800	74.397
	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
	Chang	69.912	19.800	89.712

Dzongkhag	Gewog	Resource Allocation Formula (RAF)	Common Minimum Infrastructure (CMI)	Total
Thimphu	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
	Bartsham	49.308	19.800	69.108
	Bidung	41.186	19.800	60.986
Trashigang	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
Trashigang	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
	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
	Toedtsho	63.419	19.800	83.219
	Tongmajangsa	47.792	19.800	67.592
Trashigang	Yalang	66.069	19.800	85.869
	Yangtse	68.082	21.000	89.082
	Total	505.430	159.600	665.030
	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
	Barshong	43.566	61.800	105.366
Trongsa	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	Tsirang Toed	48.700	61.800	110.500

Dzongkhag	Gewog	Resource Allocation Formula (RAF)	Common Minimum Infrastructure (CMI)	Total
	Total	565.273	396.700	961.973
	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
Wangdue Phodrang	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
	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
	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
Zhemgang	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
		0.000	216.450	216.450
Others	Total	0.000	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

CHAPTER 15

NATIONAL ACCOUNTS

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, 2017 - 2021

					Nu in Million
Sectors	2017	2018	2019	2020	2021
1. Agriculture, Livestock & Forestry	23,989.40	26,759.75	28,184.45	32,997.45	36,036.73
1.1 Crops	12,922.58	14,427.86	15,918.43	18,661.26	19,749.89
1.2 Livestock	7,050.34	7,463.70	8,113.62	9,881.32	10,716.58
1.3 Forestry & Logging	4,016.48	4,868.18	4,152.40	4,454.87	5,570.27
2. Mining & Quarrying	6,954.64	8,137.83	8,576.85	2,775.08	5,086.91
3. Manufacturing	11,979.55	12,435.87	12,687.89	10,202.03	11,000.28
4. Electricity & Water Supply	21,766.87	19,602.81	22,657.29	30,532.42	29,362.39
4.1 Electricity	21,728.17	19,560.24	22,611.16	30,483.25	29,307.63
4.2 Water Supply	38.70	42.58	46.12	49.17	54.76
5. Construction	26,068.46	23,753.15	20,465.42	16,301.90	18,765.85
6. Wholesale & Retail Trade	13,460.01	15,042.09	17,378.48	17,954.99	20,319.31
7. Hotels & Restaurants	3,476.78	4,039.76	4,658.17	1,429.14	1,623.89
8. Transport, Storage & Communications	15,119.47	16,720.11	19,070.71	14,991.39	16,774.99
9. Financing, Insurance, Real Estates & Business Services	11,667.34	12,988.13	13,848.44	13,227.05	13,863.52
9.1 Finance & Insurance	7,945.71	9,018.51	9,563.60	8,661.46	8,724.45
9.2 Real Estate & Dwellings	3,408.28	3,593.13	3,832.97	4,115.05	4,504.17
9.3 Business Services	313.35	376.49	451.87	450.54	634.90
10. Public Administration	11,630.59	11,761.29	13,114.91	16,564.86	18,568.23
11. Education & Health	4,717.21	5,580.29	8,844.34	10,276.60	10,970.33
12. Private Social & Recreational Services	654.69	679.21	704.65	445.39	482.70
13. Taxes Net of Subsidies	8,086.67	9,839.68	8,370.13	4,596.96	4,917.63
GDP	159,571.70	167,339.97	178,561.73	172,295.25	187,772.77

Source: National Accounts Statistics 2022, Economic and Environment Statistics Division, NSB

Table 15.2: Percentage Share of GDP by Economic Activity at Current Prices, 2017- 2021

Sectors	2017	2018	2019	2020	2021
1. Agriculture, Livestock & Forestry	15.03	15.99	15.78	19.15	19.19
1.1 Crops	8.10	8.62	8.91	10.83	10.52
1.2 Livestock	4.42	4.46	4.54	5.74	5.71
1.3 Forestry & Logging	2.52	2.91	2.33	2.59	2.97
2. Mining & Quarrying	4.36	4.86	4.80	1.61	2.71
3. Manufacturing	7.51	7.43	7.11	5.92	5.86
4. Electricity & Water Supply	13.64	11.71	12.69	17.72	15.64
5. Construction	16.34	14.19	11.46	9.46	9.99
6. Wholesale & Retail Trade	8.44	8.99	9.73	10.42	10.82
7. Hotels & Restaurants	2.18	2.41	2.61	0.83	0.86
8. Transport, Storage & Communications	9.48	9.99	10.68	8.70	8.93
9. Financing, Insurance, Real Estates & Business Services	7.31	7.76	7.76	7.68	7.38
9.1 Finance & Insurance	4.98	5.39	5.36	5.03	4.65
9.2 Real Estate & Dwellings	2.14	2.15	2.15	2.39	2.40
9.3 Business Services	0.20	0.22	0.25	0.26	0.34
10. Public Administration	7.29	7.03	7.34	9.61	9.89
11. Education & Health	2.96	3.33	4.95	5.96	5.84
12. Private Social & Recreational Services	0.41	0.41	0.39	0.26	0.26
13. Taxes Net of Subsidies	5.07	5.88	4.69	2.67	2.62
Overall GDP	100.00	100.00	100.00	100.00	100.00

Source: National Accounts Statistics 2022, Economic and Environment Statistics Division, NSB

Table 15.3: Sectoral Growth Rates of GDP in Constant Prices, 2017 - 2021

Nu in million

Sectors	2017	2018	2019	2020	2021
1. Agriculture, Livestock & Forestry	2.95	4.25	1.30	4.57	2.05
1.1 Crops	0.95	4.95	2.12	5.07	2.43
1.2 Livestock	4.41	6.92	2.73	4.60	1.76
1.3 Forestry & Logging	-5.63	-1.55	-3.07	3.29	1.66
2. Mining & Quarrying	7.01	37.56	33.10	-80.43	28.27
3. Manufacturing	6.46	2.61	-0.01	-20.76	2.69
4. Electricity & Water Supply	-3.81	-14.89	12.12	25.38	-3.69
4.1. Electricity	-3.83	-14.94	12.13	25.42	-3.73
4.2. Water Supply	10.00	10.00	8.34	6.59	11.38
5. Construction	6.21	-7.99	-14.66	-20.64	8.78
6. Wholesale & Retail Trade	10.41	10.18	13.17	-6.96	7.26
7. Hotels & Restaurants	15.20	10.51	11.65	-73.46	4.42
8. Transport, Storage & Communications	13.34	10.90	13.20	-14.65	16.21
9. Financing, Insurance, Real Estates & Business Services	3.64	11.18	3.43	-9.23	-1.52
9.1 Finance & Insurance	2.85	12.82	2.93	-12.55	-4.16
9.2 Real Estate & Dwellings	1.11	3.85	4.01	4.87	4.02
9.3 Business Services	111.12	16.96	16.84	-5.68	31.28
10. Public Administration	0.30	-1.53	8.52	19.48	4.50
11. Education & Health	-6.01	15.39	51.09	9.92	-0.01
12. Private Social & Recreational Services	20.74	1.54	1.55	-39.48	4.44
13. Taxes Net of Subsidies	10.61	22.12	-15.83	-49.48	2.73
Overall GDP	4.65	3.06	5.76	-10.01	4.09

Source: National Accounts Statistics 2022, Economic and Environment Statistics Division, NSB

Table 15.4: Gross Domestic Product by Major Economic Sectors in Current Prices, 2017 - 2021

Nu in Million					
Sector	2017	2018	2019	2020	2021
1. Primary	23,989.40	26,759.75	28,184.45	32,997.45	36,036.73
2. Secondary	66,769.53	63,929.66	64,387.45	59,811.43	64,215.43
3. Tertiary	68,812.77	76,650.56	85,989.83	79,486.37	87,520.61
Overall GDP	159,571.70	167,339.97	178,561.73	172,295.25	187,772.77

Source: National Accounts Statistics 2022, Economic and Environment Statistics Division, NSB

Table 15.5: Percentage Share of GDP by Major Sector in Current Prices, 2017 - 2021

Sector	2017	2018	2019	2020	2021
1. Primary	15.03	15.99	15.78	19.15	19.19
2. Secondary	41.84	38.20	36.06	34.71	34.20
3. Tertiary	43.12	45.81	48.16	46.13	46.61
Overall GDP	100.00	100.00	100.00	100.00	100.00

Source: National Accounts Statistics 2022, Economic and Environment Statistics Division, NSB

Table 15.6: Year on Year GDP Growth, 2017 - 2021

(Percent)					
Sector	2017	2018	2019	2020	2021
1. Primary	2.95	4.25	1.30	4.57	2.05
2. Secondary	2.55	-4.98	2.01	-12.84	1.96
3. Tertiary	7.12	10.33	9.75	-10.81	6.13
Overall GDP	4.65	3.06	5.76	-10.01	4.09

Source: National Accounts Statistics 2022, Economic and Environment Statistics Division, NSB

Table 15.7: GDP by Expenditure at Current Prices, 2017 - 2021

Description	Nu in million				
	2017	2018	2019	2020	2021
1. Final Consumption Expenditure	110,249.55	125,443.71	136,371.24	142,258.16	159,760.73
Households & NPISHs	83,434.70	96,800.29	103,768.63	106,379.48	119,072.05
General Government	26,814.84	28,643.42	32,602.61	35,878.69	40,688.68
2. Gross Domestic Capital Formation	82,896.61	79,634.10	67,636.39	57,903.93	67,276.84
a. Construction	57,853.27	52,946.41	45,281.08	34,081.23	40,448.93
b. Machinery & Equipment	24,828.12	25,947.92	21,463.19	21,549.95	25,300.53
c. Software, database dev.(gov)	357.39	27.40	228.68	242.39	589.91
d. Valuables	86.50	44.46	89.61	132.77	255.07
e. Changes in Inventories	-1.07	715.90	547.21	817.62	682.39
3. Net Export	-33,574.46	-37,737.84	-25,445.90	-28,589.19	-39,264.80
Export of Goods & Services	48,004.25	51,570.34	60,602.18	51,109.60	59,759.43
Import of Goods & Services	81,578.71	89,308.18	86,048.08	79,698.79	99,024.23
GDP, Expenditure	159,571.70	167,339.97	178,561.73	172,295.25	187,772.77

Source: National Accounts Statistics 2022, Economic and Environment Statistics Division, NSB

Table 15.8: GDP Share of Expenditure at Current Prices, 2017 - 2021

	(Percent)				
Expenditure	2017	2018	2019	2020	2021
1. Final Consumption Expenditure	68.95	74.93	76.39	83.51	85.08
Households & NPISHs	52.14	57.82	58.13	62.69	63.41
General Government	16.80	17.12	18.26	20.82	21.67
2. Gross Domestic Capital Formation	52.09	47.62	37.86	33.08	35.83
Construction	36.26	31.64	25.36	19.88	21.54
Machinery & Equipment	15.56	15.51	12.02	12.51	13.47
software data base dev.	0.22	0.02	0.13	0.14	0.31
Valuables	0.05	0.03	0.05	0.08	0.14
Changes in Inventories	-0.00	0.43	0.31	0.47	0.36
3. Net Export	-21.04	-22.55	-14.25	-16.59	-20.91
Export of Goods & Services	30.08	30.82	33.94	29.66	31.83
Import of Goods & Services	51.12	53.37	48.19	46.26	52.74
GDP, Expenditure	100.00	100.00	100.00	100.00	100.00

Source: National Accounts Statistics 2022, Economic and Environment Statistics Division, NSB

CHAPTER 16

PRICE

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
2021	121.83	107.09	113.62	9.38	5.62	7.35
January	120.91	103.32	111.06	16.89	2.67	8.97
February	121.41	104.20	111.78	16.98	3.59	9.54
March	122.22	104.58	112.34	15.25	4.16	9.11
April	123.61	105.95	113.73	13.16	5.19	8.78
May	121.90	105.94	113.00	12.70	5.40	8.69
June	118.93	106.26	111.91	10.14	5.17	7.42
July	119.47	108.00	113.13	4.40	5.81	5.16
August	119.46	108.47	113.38	4.25	6.20	5.30
September	120.13	108.48	113.68	3.18	6.52	4.97
October	122.69	110.00	115.66	4.96	7.78	6.47
November	124.82	110.32	116.76	6.37	8.02	7.26
December	126.44	109.50	116.98	6.92	6.82	6.87
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

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
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
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

Source: CPI Report, Economic and Environment Statistics Division, NSB, Thimphu

Table 16.2: Consumer Price Index by Division, 2017 - 2021

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		
2021	121.57	125.43	112.70	108.94	108.34	108.26	108.03	84.93	102.29	104.75	107.48	107.88	113.62	
January	120.74	123.12	106.88	105.43	105.32	106.63	102.91	87.41	101.29	104.75	102.72	103.31	111.06	
February	121.24	123.75	108.06	106.55	105.54	106.63	103.49	87.42	101.56	104.75	106.24	103.88	111.78	
March	121.87	126.94	108.06	107.15	105.55	106.63	104.33	87.42	101.56	104.75	106.24	103.95	112.34	
April	123.17	129.79	111.77	108.18	107.33	108.43	105.03	87.20	102.31	104.75	107.03	107.04	113.73	
May	121.48	127.79	111.77	108.18	107.33	108.43	105.85	83.91	102.31	104.75	107.03	107.04	113.00	
June	118.43	125.90	111.77	108.23	107.33	108.43	106.93	83.91	102.31	104.75	107.03	107.04	111.91	
July	119.01	125.88	114.66	110.03	109.31	108.69	109.02	83.66	102.47	104.75	108.19	108.87	113.13	
August	119.06	124.98	114.66	110.17	109.31	108.69	110.34	83.66	102.47	104.75	108.98	108.98	113.38	
September	119.85	123.86	114.66	110.49	109.31	108.69	110.14	83.66	102.47	104.75	108.98	108.98	113.68	
October	122.63	123.59	116.72	110.88	111.24	109.30	113.05	83.65	102.91	104.75	109.11	111.81	115.66	
November	124.87	124.09	116.72	111.00	111.24	109.30	114.08	83.65	102.91	104.75	109.11	111.81	116.76	
December	126.51	125.42	116.72	110.98	111.24	109.30	111.21	83.65	102.91	104.75	109.11	111.81	116.98	
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	

Table 16.2: Consumer Price Index by Division, 2017 - 2021

Period	Division												
	Food and non- alcoholic Beverages	Alcoholic Beverages and Narcotics	Clothing and Footwear	Housing and Utilities	Furnishing, Household and Equipment and Routine Household Maintenance	Health	Transport	Communication	Recreational and Culture	Education	Restaurants and Hotels	Miscellaneous Goods and Services	Total
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	105.45	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

Table 16.2: Consumer Price Index by Division, 2017 - 2021

Period	Division												
	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	Restuarents and Hotels	Miscellaneous Goods and Services	Total
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
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

Table 16.2: Consumer Price Index by Division, 2017 - 2021

Period	Division												
	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	Total
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
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

Source: CPI Report, Economic and Environment Statistics Division, NSB, Thimphu

Table 16.3: Year-on-Year Percent change by Division, 2017 - 2021

Period	Division													Total
	Food and non- alcoholic Beverages	Alcoholic Beverages and Narcotics	Clothing and Footwear	Housing and Utilities	Furnishing, Household and Equipment	Routine Health	Transport	Communication	Recreational and Culture	Education	Restaurants and Hotels	Miscellaneous Goods and Services		
Weight	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	
2021	8.86	16.66	9.13	6.26	5.23	4.34	7.40	-9.90	2.25	0.66	6.41	6.73	7.35	
January	16.48	22.54	6.59	4.72	3.62	5.19	2.04	-12.58	1.59	3.42	2.63	2.76	8.97	
February	16.56	22.75	7.77	5.73	3.81	5.19	3.09	-12.57	1.86	0.93	6.09	3.33	9.54	
March	14.70	22.86	7.77	6.33	3.82	5.19	4.59	-12.57	1.86	0.93	6.09	3.40	9.11	
April	12.49	22.62	8.38	5.89	4.93	5.71	7.21	-12.79	2.65	0.93	6.28	7.43	8.78	
May	12.05	21.80	8.38	6.85	4.93	5.71	8.10	-16.09	2.65	0.93	6.28	7.43	8.69	
June	9.55	18.54	8.38	5.05	4.93	5.71	7.16	-10.39	2.65	0.93	6.28	7.43	7.42	
July	3.52	16.96	9.86	6.52	5.46	3.07	7.62	-10.92	2.18	0.00	7.05	7.03	5.16	
August	3.55	14.19	9.86	6.61	5.46	3.07	8.72	-10.92	2.18	0.00	7.84	7.14	5.30	
September	2.70	9.90	9.86	6.93	5.50	3.07	8.08	-4.47	2.18	0.00	7.84	6.83	4.97	
October	4.55	10.67	10.92	7.09	6.81	3.46	11.17	-4.30	2.46	0.00	7.04	9.38	6.47	
November	6.16	9.27	10.77	7.17	6.69	3.46	12.21	-4.30	2.36	0.00	6.75	9.26	7.26	
December	6.67	10.44	10.77	6.20	6.69	3.46	8.69	-4.30	2.36	0.00	6.75	9.26	6.87	
2020	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	
January	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	
February	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	
March	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	

Table 16.3: Year-on-Year Percent change by Division, 2017 - 2021

Period	Division													Total
	Food and non-alcoholic	Beverages	Alcoholic Beverages and Narcotics	Clothing and Footwear	Housing and Utilities	Furnishing, Household, Equipment and Routine	Health	Transport	Communication	Recreational and Culture	Education	Restuarents and Hotels	Miscellaneous Goods and Services	
April	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	
May	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	
June	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	
July	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	
August	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	
September	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	
October	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	
November	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	
December	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	
2019	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	
January	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	
February	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	
March	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	
April	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	
May	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	
June	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	
July	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	

Table 16.3: Year-on-Year Percent change by Division, 2017 - 2021

Period	Division														Total
	Food and non-alcoholic Beverages	Alcoholic Beverages	Narcotics	Clothing and Footwear	Housing and Utilities	Furnishing, Household, Equipment and Routine	Health	Transport	Communication	Recreational and Culture	Education	Restaurants and Hotels	Miscellaneous Goods and Services		
August	4.15	0.40	1.62	2.05	2.82	3.24	2.82	2.82	0.25	0.44	1.28	4.86	1.64	2.79	
September	3.73	0.64	1.30	1.75	2.48	0.93	2.16	2.25	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	0.03	-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	0.03	-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	0.03	-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	0.31	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	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	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	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	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	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	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	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	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	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	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	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	0.63	3.35	6.15	1.57	3.13	

Table 16.3: Year-on-Year Percent change by Division, 2017 - 2021

Period	Division												
	Food and non-alcoholic	Beverages	Alcoholic	Beverages and Narcotics	Clothing and Footwear	Housing and Utilities	Furnishing, Household and Equipment	Health	Transport	Communication	Recreational and Culture	Education	Restaurants and Hotels
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
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

Source: CPI Report, Economic and Environment Statistics Division, NSB, Thimphu

Table 16.4: Producer Price Index (PPI) by Industry (September 2011=100), 2017 - 2021

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
2021	134.36	172.91	150.54	124.71	109.39	138.26	77.98
January	134.36	173.34	138.97	124.65	109.39	137.30	82.17
February	134.36	173.52	135.55	124.65	109.39	137.13	82.17
March	134.36	173.52	136.79	124.65	109.39	137.14	82.17
April	134.36	173.52	139.33	124.65	109.39	137.98	82.17
May	134.36	173.52	144.56	124.65	109.39	137.43	75.89
June	134.36	173.52	146.75	124.65	109.39	137.54	75.89
July	134.36	173.52	150.80	124.78	109.39	138.03	75.89
August	134.36	173.52	151.35	124.78	109.39	139.13	75.89
September	134.36	173.52	151.95	124.78	109.39	138.86	75.89
October	134.36	171.00	160.73	124.78	109.39	139.50	75.89
November	134.36	171.00	184.86	124.78	109.39	139.29	75.89
December	134.36	171.41	164.81	124.78	109.39	139.83	75.89
2020	134.57	127.43	125.64	124.40	109.39	130.84	84.02
January	134.79	126.57	121.86	124.16	109.39	129.24	89.57
February	134.79	126.57	127.14	124.16	109.39	129.32	89.57
March	134.79	126.57	128.30	124.16	109.39	131.00	89.57
April	134.79	126.57	127.63	124.16	109.39	131.90	82.17
May	134.79	126.57	128.14	124.16	109.39	131.65	82.17
June	134.79	126.57	125.52	124.16	109.39	131.67	82.17
July	134.36	128.29	120.77	124.65	109.39	131.34	82.17

Table 16.4: Producer Price Index (PPI) by Industry (September 2011=100), 2017 - 2021

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	
August	134.36	128.29	120.11	124.65	109.39	120.82
September	134.36	128.29	127.78	124.65	109.39	124.40
October	134.36	128.29	126.91	124.65	109.39	124.00
November	134.36	128.29	125.34	124.65	109.39	123.29
December	134.36	128.29	128.14	124.65	109.39	124.57
2019	134.79	126.09	120.45	124.16	109.39	121.01
January	134.79	125.99	125.76	124.16	109.39	123.53
February	134.79	125.72	124.28	124.16	109.39	122.83
March	134.79	125.43	123.86	124.16	109.39	122.57
April	134.79	125.89	123.05	124.16	109.39	122.21
May	134.79	125.89	122.92	124.16	109.39	122.16
June	134.79	125.89	120.97	124.16	109.39	121.22
July	134.79	126.92	120.57	124.16	109.39	121.09
August	134.79	126.10	117.69	124.16	109.39	119.72
September	134.79	125.59	115.84	124.16	109.39	118.80
October	134.79	126.57	115.89	124.16	109.39	118.87
November	134.79	126.57	116.19	124.16	109.39	119.03
December	134.79	126.57	118.36	124.16	109.39	120.07
2018	134.79	124.66	131.27	123.98	109.39	125.65
January	134.79	122.77	130.98	123.80	109.39	125.13
February	134.79	122.68	133.29	123.80	109.39	126.19

Table 16.4: Producer Price Index (PPI) by Industry (September 2011=100), 2017 - 2021

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
March	134.79	122.70	131.49	123.80	109.39	120.82	89.57
April	134.79	124.86	131.67	123.80	109.39	121.15	89.57
May	134.79	125.56	132.48	123.80	109.39	122.10	89.57
June	134.79	125.17	132.42	123.80	109.39	122.23	89.57
July	134.79	124.98	132.34	124.16	109.39	122.68	89.57
August	134.79	126.01	131.55	124.16	109.39	123.09	89.57
September	134.79	125.19	128.92	124.16	109.39	124.42	89.57
October	134.79	125.17	130.06	124.16	109.39	130.02	89.57
November	134.79	125.46	130.41	124.16	109.39	129.13	89.57
December	134.79	125.38	129.69	124.16	109.39	128.64	89.57
2017	134.79	127.68	118.50	123.80	109.39	128.67	89.71
January	134.79	127.85	113.49	123.80	109.39	130.32	89.76
February	134.79	129.22	113.80	123.80	109.39	129.60	89.76
March	134.79	127.84	117.08	123.80	109.39	129.16	89.76
April	134.79	127.41	120.74	123.80	109.39	128.39	89.76
May	134.79	127.49	120.35	123.80	109.39	128.34	89.76
June	134.79	125.85	120.28	123.80	109.39	128.35	89.76
July	134.79	127.47	118.79	123.80	109.39	128.35	89.76
August	134.79	127.84	116.16	123.80	109.39	128.09	89.76
September	134.79	126.40	118.56	123.80	109.39	128.36	89.76
October	134.79	128.16	119.90	123.80	109.39	128.71	89.57
November	134.79	128.40	121.26	123.80	109.39	128.59	89.57
December	134.79	128.21	121.56	123.80	109.39	127.74	89.57

Source: Quarterly PPI Publication, Economic and Environment Statistics Division, NSB, Thimphu

Table 16.5: Annual Percentage Change in Producer Price Index (PPI) by Industry, 2017 - 2021

Month/Share (%)	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
2021	0.72	0.95	0.35	0.02	4.07	0.00	0.00
January	10.95	-0.16	35.70	19.89	0.25	0.00	5.67
February	8.54	-0.32	36.95	14.04	0.39	0.00	6.24
March	5.11	-0.32	37.10	6.62	0.39	0.00	6.03
April	5.03	-0.32	37.10	6.61	0.39	0.00	4.69
May	6.62	-0.32	37.10	9.16	0.39	0.00	4.61
June	7.91	-0.32	37.10	12.82	0.39	0.00	4.39
July	9.77	-0.32	37.10	16.92	0.39	0.00	4.45
August	13.10	0.00	35.26	24.87	0.11	0.00	5.10
September	13.66	0.00	35.26	26.01	0.11	0.00	6.07
October	10.58	0.00	35.26	18.91	0.11	0.00	6.32
November	13.88	0.00	33.29	26.65	0.11	0.00	6.83
December	22.43	0.00	33.29	47.48	0.11	0.00	6.34
2020	-0.09	1.05	4.08	0.18	0.31	1.61	-5.72
January	0.00	0.47	-3.10	0.00	0.00	0.50	0.00
February	0.00	0.68	2.29	0.00	0.00	0.38	0.00
March	0.00	0.91	3.58	0.00	0.00	2.38	0.00
April	0.00	0.54	3.72	0.00	0.00	3.10	-8.26

Table 16.5: Annual Percentage Change in Producer Price Index (PPI) by Industry, 2017 - 2021

Month/Share (%)	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	
	0.72	0.95	0.35	0.02	4.07	0.00	0.00	6.10
May	0.00	0.54	4.24	0.00	0.00	2.76	-8.26	1.80
June	0.00	0.54	3.76	0.00	0.00	2.92	-8.26	1.59
July	-0.32	1.08	0.17	0.39	0.00	2.64	-8.26	0.05
August	-0.32	1.74	2.06	0.39	0.00	1.56	-8.26	0.92
September	-0.32	2.15	10.31	0.39	0.00	1.05	-8.26	4.72
October	-0.32	1.36	9.51	0.39	0.00	1.15	-8.26	4.32
November	-0.32	1.36	7.87	0.39	0.00	1.30	-8.26	3.58
December	-0.32	1.36	8.26	0.39	0.00	1.17	-8.26	3.75
2019	0.00	1.16	-8.25	0.07	0.00	4.00	0.00	-3.72
January	0.00	2.62	-3.99	0.15	0.00	7.06	0.00	-1.33
February	0.00	2.48	-6.75	0.15	0.00	6.92	0.00	-2.71
March	0.00	2.23	-5.80	0.15	0.00	5.90	0.00	-2.30
April	0.00	0.82	-6.54	0.15	0.00	5.59	0.00	-2.77
May	0.00	0.26	-7.22	0.15	0.00	4.92	0.00	-3.17
June	0.00	0.57	-8.64	0.15	0.00	4.67	0.00	-3.88
July	0.00	1.55	-8.90	0.00	0.00	4.31	0.00	-4.02
August	0.00	0.07	-10.53	0.00	0.00	4.93	0.00	-4.89
September	0.00	0.32	-10.15	0.00	0.00	3.87	0.00	-4.74
October	0.00	1.12	-10.89	0.00	0.00	-0.71	0.00	-5.33
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

Table 16.5: Annual Percentage Change in Producer Price Index (PPI) by Industry, 2017 - 2021

Month/Share (%)	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	
2018	0.72	0.95	0.35	0.02	4.07	0.00	0.00	6.10
January	0.00	-2.36	10.85	0.14	0.00	-3.82	-0.15	4.67
February	0.00	-3.97	15.41	0.14	0.00	-7.83	-0.20	6.35
March	0.00	-5.06	17.12	0.14	0.00	-7.03	-0.20	7.08
April	0.00	-4.02	12.30	0.14	0.00	-6.46	-0.20	5.06
May	0.00	-2.00	9.05	0.14	0.00	-5.64	-0.20	3.78
June	0.00	-1.51	10.08	0.14	0.00	-4.86	-0.20	4.33
July	0.00	-0.54	10.09	0.14	0.00	-4.77	-0.20	4.40
August	0.00	-1.95	11.41	0.15	0.00	-4.42	-0.20	4.93
September	0.00	-1.43	13.25	0.15	0.00	-3.91	-0.20	5.81
October	0.00	-0.95	8.74	0.15	0.00	-3.07	-0.20	3.87
November	0.00	-2.33	8.47	0.15	0.00	1.02	0.00	3.93
December	0.00	-2.29	7.55	0.15	0.00	0.42	0.00	3.47
2017	2.35	2.80	4.98	7.14	0.31	4.81	-0.05	5.78
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

Table 16.6: Producer Price Index (PPI) by Product, 2017 - 2021

Period	Section					Business and production services	All Product
	Agriculture, Forestry and Fishery Products	Ores and Minereals; 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	
2021	134.36	172.91	115.38	121.13	175.51	126.53	136.89
January	134.36	173.34	114.30	119.94	154.02	126.35	132.15
February	134.36	173.52	114.30	120.60	147.35	126.33	130.59
March	134.36	173.52	114.30	121.55	148.97	126.33	131.16
April	134.36	173.52	115.59	122.09	153.01	126.44	132.36
May	134.36	173.52	115.59	122.04	162.70	126.37	134.20
June	134.36	173.52	115.59	122.04	166.79	126.38	135.17
July	134.36	173.52	115.59	122.23	174.36	126.56	137.02
August	134.36	173.52	115.59	120.83	176.50	126.71	137.32
September	134.36	173.52	115.59	119.92	178.36	126.67	137.56
October	134.36	171.00	116.05	120.38	195.29	126.75	141.22
November	134.36	171.00	116.05	120.38	246.26	126.73	150.94
December	134.36	171.41	116.05	121.54	202.54	126.80	142.95
2020	134.57	127.43	114.61	119.72	130.43	125.27	123.40
January	134.79	126.57	114.48	118.78	124.50	124.84	121.76
February	134.79	126.57	114.48	119.10	133.37	124.85	124.25
March	134.79	126.57	114.50	120.09	134.80	125.08	124.88
April	134.79	126.57	114.47	120.02	133.68	125.21	124.14
May	134.79	126.57	114.41	120.02	134.57	125.17	124.36
June	134.79	126.57	114.71	118.95	130.62	125.17	123.14
July	134.36	128.29	114.71	120.44	121.72	125.55	121.14

Table 16.6: Producer Price Index (PPI) by Product, 2017 - 2021

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		
August	134.36	128.29	114.71	120.01	120.86	125.53	120.82
September	134.36	128.29	114.71	119.80	134.04	125.45	124.40
October	134.36	128.29	114.71	119.81	132.53	125.45	124.00
November	134.36	128.29	114.71	119.81	129.82	125.50	123.29
December	134.36	128.29	114.71	119.81	134.65	125.46	124.57
2019	134.79	126.09	113.98	118.67	122.31	124.75	121.01
January	134.79	125.99	113.72	117.40	132.10	124.75	123.53
February	134.79	125.72	113.73	116.76	129.92	124.78	122.83
March	134.79	125.43	113.73	117.06	129.01	124.66	122.57
April	134.79	125.89	114.01	119.05	126.43	124.66	122.21
May	134.79	125.89	114.02	119.16	126.15	124.69	122.16
June	134.79	125.89	114.00	119.87	122.46	124.66	121.22
July	134.79	126.92	114.00	120.19	121.61	124.66	121.09
August	134.79	126.10	114.00	118.54	117.70	124.83	119.72
September	134.79	125.59	114.00	119.23	114.30	124.84	118.80
October	134.79	126.57	114.21	119.30	114.32	124.82	118.87
November	134.79	126.57	114.20	119.25	114.84	124.85	119.03
December	134.79	126.57	114.21	118.28	118.93	124.83	120.07
2018	134.79	124.66	113.52	117.56	141.78	123.91	125.65
January	134.79	122.77	113.56	117.75	141.12	123.24	125.13
February	134.79	122.68	113.55	118.08	145.04	123.29	126.19

Table 16.6: Producer Price Index (PPI) by Product, 2017 - 2021

Period	Section					Business and production services	All Product
	Agriculture, Forestry and Fishery Products	Ores and Minereals; 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		
March	134.79	122.70	113.59	118.48	141.55	123.34	125.39
April	134.79	124.86	113.46	118.92	141.61	123.39	125.62
May	134.79	125.56	113.39	120.27	142.22	123.53	126.09
June	134.79	125.17	113.39	117.39	143.95	123.55	126.05
July	134.79	124.98	113.58	116.03	144.68	123.92	126.16
August	134.79	126.01	113.57	115.99	143.28	123.97	125.88
September	134.79	125.19	113.54	116.41	138.31	124.17	124.71
October	134.79	125.17	113.53	116.81	140.08	124.95	125.56
November	134.79	125.46	113.53	117.15	140.49	124.83	125.68
December	134.79	125.38	113.51	117.42	139.04	124.76	125.32
2017	134.79	127.68	112.65	121.79	117.56	124.46	120.05
January	134.79	127.85	112.34	119.70	110.45	124.69	117.72
February	134.79	129.22	112.34	120.64	110.49	124.59	117.90
March	134.79	127.84	112.29	121.96	115.15	124.53	119.41
April	134.79	127.41	112.63	126.06	119.01	124.42	121.11
May	134.79	127.49	112.38	127.34	117.77	124.41	120.93
June	134.79	125.85	112.44	127.44	117.59	124.41	120.80
July	134.79	127.47	112.91	123.34	117.16	124.41	120.17
August	134.79	127.84	112.91	118.88	115.13	124.38	118.90
September	134.79	126.40	112.91	120.07	118.48	124.42	120.01
October	134.79	128.16	112.83	118.68	121.47	124.46	120.76
November	134.79	128.40	112.84	118.68	123.76	124.45	121.41
December	134.79	128.21	113.05	118.68	124.23	124.33	121.50

Source: Quarterly PPI Publication, Economic and Environment Statistics Division, NSB, Thimphu

Table 16.7: Annual Percentage Change in Producer Price Index (PPI) by Product, 2017 - 2021

Section								
Period	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
2021	-0.16	35.70	0.67	1.18	34.80	1.01	-7.16	10.95
January	-0.32	36.95	-0.16	0.97	23.71	1.21	-8.26	8.54
February	-0.32	37.10	-0.15	1.26	10.49	1.18	-8.26	5.11
March	-0.32	37.10	-0.17	1.22	10.51	1.00	-8.26	5.03
April	-0.32	37.10	0.97	1.72	14.46	0.98	0.00	6.62
May	-0.32	37.10	1.03	1.68	20.91	0.96	-7.65	7.91
June	-0.32	37.10	0.76	2.60	27.70	0.96	-7.65	9.77
July	0.00	35.26	0.76	1.49	43.25	0.81	-7.65	13.10
August	0.00	35.26	0.76	0.68	46.04	0.94	-7.65	13.66
September	0.00	35.26	0.76	0.10	33.07	0.97	-7.65	10.58
October	0.00	33.29	1.16	0.48	47.36	1.04	-7.65	13.88
November	0.00	33.29	1.16	0.48	89.70	0.98	-7.65	22.43
December	0.00	33.62	1.16	1.45	50.41	1.06	-7.65	14.75
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

Table 16.7: Annual Percentage Change in Producer Price Index (PPI) by Product, 2017 - 2021

Section								
Period	Agriculture, Forestry and Fishery Products	Ores and Minereals; 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
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
May	2.48	2.54	1.47	4.62	7.83	7.71	0.00	6.34

Table 16.7: Annual Percentage Change in Producer Price Index (PPI) by Product, 2017 - 2021

Section								
Period	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
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

Source: Quarterly PPI Publication, Economic and Environment Statistics Division NSB, Thimphu

CHAPTER 17

CRIME

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, 2017 - 2021

					(Number)
Offence Type	2017	2018	2019	2020	2021
Offences Against the Person	1,143	1,270	1,044	1,021	1,224
Abandonment of a dead infant	5	2	3	4	1
Abandonment of an infant or a child	5	1	5	1	0
Aiding and abetting for criminal attempt to voluntary manslaughter	0	0	0	1	0
Assault	48	40	29	49	47
Battery	980	1,098	895	828	780
Bestiality	1	1	2	0	2
Breach of contract	0	0	0	0	3
Child abuse	0	1	0	0	0
Child molestation	16	15	16	19	16
Criminal attempt to Child molestation	0	0	0	0	1
Criminal attempt to involuntary manslaughter	0	0	1	3	2
Criminal attempt to Larceny	0	0	0	0	1
Criminal attempt to marital rape	0	0	0	1	2
Criminal attempt to murder	1	0	1	0	2
Criminal attempt to rape	6	8	2	7	7
Criminal attempt to rape of a child above twelve years of age	1	2	1	2	0
Criminal attempt to rape of a married person	0	3	2	0	2
Criminal attempt to rape of pregnant women	0	0	0	0	1
Criminal attempt to statutory rape	3	2	2	2	3
Criminal attempt to voluntary manslaughter	0	4	2	2	2
Criminal Conspiracy	0	0	0	0	1
Criminal misappropriation of property	0	0	0	0	6
Criminal elopement	1	0	1	1	0
Endangerment of a child	1	3	1	1	4
Endangerment of a mentally disabled or an incompetent person	0	0	0	1	0
Escape from lawful custody	1	4	3	6	4
Harsh or degrading correction or punishment	0	0	0	0	1
Gang rape	2	1	1	1	0
Gang rape of a child below 12 years of age	0	0	0	0	0
Gang rape of a married person	0	0	1	0	0
Identity Theft	0	0	0	2	0
Illegal abortion	2	1	0	0	1
Illegal selling or buying of human organs	0	0	0	1	0
Incest	1	0	0	0	2
Indecent exposure	0	0	1	2	2
Infringement of movement	0	0	0	0	0

Table 17.1: Types of Offence Recorded, 2017 - 2021

Offence Type	(Number)				
	2017	2018	2019	2020	2021
Involuntary manslaughter	3	6	2	6	2
Kidnapping	0	0	0	0	0
Marital rape	0	1	0	0	0
Murder	10	7	6	3	2
Negligent homicide	0	2	1	2	1
Physical abuse	0	0	0	0	228
Rape	5	8	1	5	6
Rape of a child above 12 years of age	23	30	40	41	57
Rape of a married person	6	3	3	0	4
Rape of a pregnant women	1	0	0	0	0
Reckless endangerment	4	3	5	4	3
Sexual harassment	7	13	9	12	18
Statutory rape	2	6	8	6	8
Trafficking a person	1	1	0	2	0
Trafficking of a child	1	1	0	0	0
Un-natural sex	3	1	0	1	0
Voluntary manslaughter	3	2	0	5	2
Offences against Property	1,863	1,938	1,904	782	721
Armed robbery	5	3	2	4	1
Arson	1	5	6	3	3
Auto stripping	255	153	170	77	90
Breach of trust	22	7	11	13	5
Burglary	431	369	383	238	223
Cheating by impersonation using a computer	0	0	0	0	2
Criminal attempt to armed robbery	0	1	0	0	0
Criminal attempt to arson	2	3	0	0	0
Criminal attempt to burglary	32	20	12	9	14
Criminal attempt to larceny	12	5	4	5	0
Criminal attempt to robbery	0	1	0	0	0
Criminal misappropriation of property	2	4	4	2	0
Criminal attempt to trespass	0	0	0	0	1
Economic abuse	0	0	0	0	3
Extortion	0	0	0	0	0
Larceny	867	892	735	314	264
Larceny by deception	38	41	32	36	47
Larceny of property lost, mislaid, or delivered by mistake	127	340	474	24	7
Negligent burning or exploding	3	0	1	5	0
Pick pocketing	16	8	4	1	1

Table 17.1: Types of Offence Recorded, 2017 - 2021

	(Number)				
Offence Type	2017	2018	2019	2020	2021
Possession of stolen property	0	0	0	0	2
Reckless endangerment of property	8	16	10	14	18
Robbery	12	35	24	6	2
Solicitation to commit burglary	0	0	0	1	1
Theft of service	7	19	17	13	11
Trespass	15	9	11	14	19
Unauthorized used of property	8	7	4	3	6
Unlawful Collection	0	0	0	0	1
Commercial Crime, Fraud, Corruption and Related Offences	69	89	158	151	210
Black mail	0	1	0	1	0
Bribery	0	1	0	0	0
Counterfeiting	2	3	0	0	1
Criminal attempt to deceptive practice	0	1	0	0	0
Criminal attempt to smuggling	0	1	0	0	0
Deceptive practice	6	25	33	44	101
Defamation	7	6	10	37	24
Embezzlement	4	4	6	2	6
Execution of a document by deception	0	0	0	0	0
Forgery	24	12	23	17	28
Fraudulent cheque writing	13	23	61	40	23
Fraudulent insolvency	0	0	1	0	0
Fraudulent obtaining of insurance	0	0	0	0	1
Libel	6	3	5	10	21
Money laundering	0	4	0	0	0
Official misconduct	0	0	1	0	1
Smuggling	6	5	17	0	3
Tampering with documents	1	0	1	0	1
Offences against State and Public order	342	303	235	526	547
Abandonment of a person in danger	0	0	0	0	0
Breach of public order and tranquility	0	0	0	93	202
Contempt of court	0	0	0	0	1
Caretaker's negligence causing loss or larceny of ku, sung, thuk-ten, zung or antique	3	1	1	0	0
Criminal attempt to offence against ku, sung, thuk-ten or zung	12	13	2	9	1
Criminal attempt to criminal nuisance	0	0	0	16	4
Criminal nuisance	0	0	1	103	54
Damage to cultural or national heritage property and national monuments	0	0	0	2	0

Table 17.1: Types of Offence Recorded, 2017 - 2021

Offence Type	(Number)				
	2017	2018	2019	2020	2021
Damage to religious objects		0	1	0	1
Disorderly conduct	2	2	5	4	6
Environment pollution	0	0	0	0	1
Endangerment of a public water source	0	0	1	0	0
Espionage	0	0	0	1	0
Failure to assist lawful authority	1	0	0	0	3
Failure to report a crime	0	0	0	4	6
Gambling	24	28	8	31	18
Harassment	58	76	64	83	98
Illegal immigration	0	0	4	3	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	1	0
Illegal sale of alcohol	0	0	0	0	0
Illegal transportation of immigrant	0	1	0	6	2
Impersonation of an official	0	2	2	2	2
Impersonation of uniformed personnel	0	0	1	4	1
Larceny of antique	3	4	6	6	2
Lewd and lascivious conduct	0	0	1	0	3
Malicious mischief	84	66	48	76	62
Obstruction of lawful authority	10	14	5	17	15
Obstruction of public service	1	0	0	1	0
Obstruction of thoroughfare	2	0	1	3	2
Offence against the ku, sung, thuk-ten, or zung	129	82	79	45	37
Patronizing a prostitute	0	1	3	0	0
Promotion of civil unrest	0	1	1	0	0
Promotion of prostitution	0	1	0	0	1
Prostitution	2	0	0	0	1
Prowling	1	1	0	1	0
Public intoxication	5	2	0	5	15
Reporting of false information	3	2	0	7	4
Sedition	0	3	0	1	1
Tampering with a dead body	1	1	0	1	0
Treason	0	0	0	0	0
Terrorism	0	1	0	0	0
Miscellaneous Offences	68	45	29	38	21
Computer pornography	5	3	2	1	1
Display of weapon	22	31	17	30	17
False alarm	0	3	0	0	0

Table 17.1: Types of Offence Recorded, 2017 - 2021

	(Number)				
Offence Type	2017	2018	2019	2020	2021
Illegal hunting or fishing	2	3	2	2	1
Illegal manufacturing of a fire arms, ammunition, explosive or other lethal weapons	0	0	0	1	2
Illegal possession of a firearm, ammunition, explosive, or other lethal weapon	7	4	1	1	0
Illegal sale and use of harmful chemical substance	0	0	2	0	0
Illegal sale or purchase of a firearm, ammunition, explosive or other lethal weapons	1	0	0	0	0
Illegal transaction of controlled substances	0	0	3	1	0
Possession of a controlled substance	11	0	2	1	0
Risking the protected species	0	1	0	0	0
Sale of a prescription for a controlled substances	19	0	0	0	0
Tampering with computer materials	1	0	0	1	0
Narcotic Drugs, Psychotropic Substances and Substance abuse	555	620	667	455	293
Criminal attempt to illicit trafficking of narcotic drugs and psychotropic substances	0	0	0	1	2
Illegal cultivation, domestication or harvest of cannabis and its derivatives	0	1	0	0	0
Illegal diversion of precursor chemicals	0	0	1	0	0
Illegal possession of cannabis and its derivatives	58	41	7	1	4
Illegal possession of narcotics drugs and psychotropic substances	11	3	6	0	1
Illegal sale of inhalants or solvents	0	0	2	1	0
Illicit activities involving equipment and materials	0	0	1	0	0
Illicit trafficking of cannabis and its derivatives	41	3	28	18	21
Illicit trafficking of narcotic drugs and psychotropic substances	200	151	157	76	55
Illicit trafficking of precursor chemicals	0	0	2	0	0
Non-compliance with license	0	0	1	0	0
Offence of substance abuse	245	419	455	356	206
Offence of substance abuse by minor	0	0	7	2	4
Sale or distribution of inhalants or solvents to minors	0	2	0	0	0
Tobacco Related offences, offence against Child and Other offences	40	45	48	91	75
Aiding and abetting	1	0	0	0	0
Buy tobacco or tobacco products	0	0	0	0	2
Child abuse	0	0	0	0	3
Child battery	0	7	4	7	5
Criminal conspiracy	1	0	0	0	0
Cruelty to a child	0	0	1	0	0

Table 17.1: Types of Offence Recorded, 2017 - 2021

Offence Type	(Number)				
	2017	2018	2019	2020	2021
Conveyances of unauthorized articles	0	0	0	0	0
Emotional abuse	0	0	2	2	37
Knowingly transport tobacco or tobacco products without proof of tax and duty payments or beyond the permissible quantity and type determined by Parliament	0	0	0	0	4
Possess tobacco or tobacco products without proof of tax and duty payments or beyond the permissible quantity and type determined by Parliament	0	0	0	0	3
Sell or distribute tobacco or tobacco products	0	0	0	0	5
Smuggling of tobacco and tobacco product	37	12	13	31	16
Solicitation	1	0	0	0	0
Other tobacco related offence	0	26	28	50	0
Offences related to land act of bhutan	0	0	0	1	0
Total	4,080	4,310	4,085	3,064	3,091

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

Table 17.2: Type of Non-Criminal Incidents Recorded by Month, 2021

Non-criminal Incident	(Number)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Natural death													
Natural death	0	0	0	0	0	1	0	0	0	0	1	4	6
Un-natural Death													
Suicide	7	10	10	7	8	11	10	5	4	14	7	8	101
Death after falling from a height	0	0	0	0	1	0	0	0	3	0	1	1	6
Death from falling rocks	0	0	0	0	0	0	0	0	0	0	0	0	0
Death from falling tree	0	0	0	0	0	0	0	0	0	0	0	0	0
Drowning	2	1	2	3	0	2	1	1	1	2	1	0	16
Electrocution	2	1	2	3	2	1	1	1	0	0	0	0	13
Other	2	13	4	7	4	6	0	5	3	2	1	0	47
Attempted Suicide													
Attempted suicide	3	2	1	1	1	3	5	1	3	3	4	2	29
Missing of person													
Missing of person	9	12	13	10	8	15	12	11	10	20	9	12	141
Total	25	39	32	31	24	39	29	24	24	41	24	27	359
Source: Crime & Operations, Royal Bhutan Police, Thimphu.													

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

Table 17.3: Number of Person Arrested by Offence and Age Group, 2021

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	0	0	0	0	0	0	0	0	0	0
Aiding and abetting (Burglary)	1	0	0	0	0	0	0	0	0	0	1
Aiding and abetting for criminal attempt to voluntary manslaughter	0	0	0	0	0	0	0	0	0	0	0
Aiding and abetting for escape from lawful custody	0	0	0	0	0	0	0	0	0	0	0
Aiding and abetting for gang rape	0	0	0	0	0	0	0	0	0	0	0
Aiding and abetting of Larceny	0	0	0	0	0	0	0	0	0	0	0
Armed Robbery	0	0	0	0	0	0	1	0	0	0	1
Arson	0	0	0	0	1	0	0	0	0	0	1
Assault	2	6	16	8	4	3	4	2	1	0	46
Assault of a child	0	0	0	1	0	0	0	0	0	0	1
Auto stripping	0	8	4	3	0	0	0	0	0	0	15
Battery	113	261	278	206	106	48	23	11	7	3	1056
Blackmail	0	0	0	0	0	0	0	0	0	0	0
Breach of public order and tranquility	11	78	121	97	60	40	20	4	4	0	435
Breach of Trust	0	2	0	0	3	0	0	0	0	0	5
Breach of contract	0	0	0	0	1	0	0	0	0	0	1
Burglary	33	28	24	4	1	0	0	0	0	0	90
Bestiality	0	1	0	1	0	0	0	0	0	0	2
Bribery	0	0	0	0	0	0	1	0	0	0	1
Buy tobacco or tobacco products	0	0	0	0	0	0	0	0	0	0	0
Cheating by impersonation using a computer	0	1	0	0	0	0	0	0	0	0	1
Child abuse	0	0	1	0	0	0	0	0	0	0	1
Child Battery	0	0	1	1	0	1	0	0	0	0	3
Child molestation	0	2	1	4	2	4	1	1	0	2	17
Criminal attempt to Child molestation	0	0	0	1	0	0	0	0	0	0	1
Computer pornography	0	0	0	0	0	0	0	0	0	0	0

Table 17.3: Number of Person Arrested by Offence and Age Group, 2021

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 burglary	2	0	1	1	0	0	0	0	0	0	4
Criminal attempt to criminal nuisance	0	1	2	2	1	1	0	0	0	0	7
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	0	3	3	0	0	0	0	0	0	0	6
Criminal attempt to involuntary manslaughter	0	1	0	0	0	0	0	0	1	0	2
Criminal Attempt to Rape of a married person	0	1	1	0	1	0	0	0	0	0	3
Criminal attempt to rape of pregnant women	0	0	0	1	0	0	0	0	0	0	1
Criminal attempt to Larceny	0	0	2	1	0	0	0	0	0	0	3
Criminal attempt to marital rape	0	0	0	1	0	0	0	0	0	0	1
Criminal attempt to murder	0	1	1	0	0	0	0	0	0	0	2
Criminal attempt to offence against ku, Sung, Thuk-ten or Zung	0	0	0	0	0	0	0	0	0	0	0
Criminal attempt to rape	1	1	1	1	0	0	0	0	0	0	4
Criminal attempt to rape of a child above twelve years of age	0	0	0	1	0	0	0	0	0	0	1
Criminal attempt to statutory rape	0	1	1	1	0	0	0	0	0	0	3
Criminal attempt to voluntary manslaughter	0	0	0	1	0	0	0	0	0	0	1
Criminal elopement	0	0	0	0	0	0	0	0	0	0	0
Criminal misappropriation of property	0	1	1	3	1	0	0	0	0	0	6
Criminal nuisance	1	38	36	18	9	3	3	1	0	0	109
Criminal Conspiracy	0	0	0	0	0	1	1	0	0	0	2
Contempt of court	0	0	0	1	0	1	1	0	0	0	3
Deceptive practice	1	2	19	14	28	3	0	2	1	0	70
Defamation	0	2	0	1	3	3	1	0	0	0	10
Disorderly conduct	0	1	3	1	0	1	0	0	0	0	6
Display of weapon	0	0	7	2	0	0	1	0	2	0	12
Economic abuse	0	0	0	0	0	1	0	0	0	0	1
Embezzlement	0	0	3	0	0	1	0	0	0	0	4

Table 17.3: Number of Person Arrested by Offence and Age Group, 2021

Offence	17 and below	18-24	25-31	32-38	39-45	46-52	53-59	60-66	67-73	74 and above	Total
Emotional abuse	1	2	8	11	5	5	3	1	0	0	36
Endangerment of a child	3	4	2	3	0	1	0	0	0	0	13
Endangerment of a mentally disabled or an incompetent person	0	0	0	0	0	0	0	0	0	0	0
Environment pollution	0	0	0	0	0	1	0	0	0	0	1
Escape from lawful custody	1	1	1	1	0	0	0	0	0	0	4
Espionage	0	0	0	0	0	0	0	0	0	0	0
Failure to maintain records	0	0	0	0	0	0	0	0	0	0	0
Failure to report a crime	0	4	2	3	2	4	0	1	1	0	17
Failure to assist lawful authority	0	0	0	3	0	0	1	0	0	0	4
Forgery	0	5	18	3	5	1	1	2	1	0	36
Fraudulent cheque writing	0	0	2	3	3	2	0	0	0	0	10
Fraudulent obtaining of insurance	0	0	1	1	0	0	0	0	0	0	2
Gambling	0	2	26	20	18	8	1	1	0	0	76
Genetic interference	0	0	0	0	1	0	0	0	0	0	1
Gang rape	0	0	0	0	0	0	0	0	0	0	0
Harassment	1	9	20	17	17	9	3	3	1	1	81
Harsh or degrading correction or punishment	0	0	0	0	0	1	0	0	0	0	1
Identity Theft	0	1	0	0	0	0	0	0	0	0	1
Illegal abortion	0	0	1	0	0	0	0	0	0	0	1
Illegal hunting or fishing	0	0	2	1	0	0	0	0	0	0	3
Illegal immigration	0	2	1	2	0	0	0	0	0	0	5
Illegal manufacturing of a firearm, ammunition, explosive, or other lethal weapon	0	0	0	0	0	0	0	0	0	0	0
Illegal possession of a firearm, ammunition, explosive, or other lethal weapon	0	0	2	1	0	0	0	0	0	0	3
Illegal possession of cannabis and its derivatives	1	3	6	3	0	0	0	0	0	0	13
Illegal possession of narcotics drugs and psychotropic substances	0	0	0	2	0	0	0	0	0	0	2

Table 17.3: Number of Person Arrested by Offence and Age Group, 2021

Offence	17 and below	18-24	25-31	32-38	39-45	46-52	53-59	60-66	67-73	74 and above	Total
Illegal possession of tobacco products	0	0	0	0	0	0	0	0	0	0	0
Illegal purchase or sale of ku, sung, thuk-ten, or zung	0	0	0	1	0	0	0	0	0	0	1
Illegal sale of inhalants or solvents	0	0	0	0	0	0	0	0	0	0	0
Illegal selling or buying of human organs	0	0	0	0	0	0	0	0	0	0	0
Illegal transportation of immigrant	0	0	0	1	0	0	0	0	0	0	1
Illicit trafficking of cannabis and its derivatives	2	16	16	14	3	1	0	0	0	0	52
Illicit trafficking of narcotic drugs and psychotropic substances	1	44	64	19	7	2	0	0	0	0	137
Illicit trafficking of precursor chemicals	0	0	0	0	0	0	0	0	0	0	0
Illegal sale of alcohol	0	0	1	0	0	0	0	0	0	0	1
Illegal purchase or sale of an antique	0	0	0	0	0	1	0	0	0	0	1
Impersonation of an official	0	0	0	0	2	0	0	0	0	0	2
Impersonation of uniformed personnel	0	0	1	0	0	0	0	0	0	0	1
Indecent exposure	0	0	1	0	0	0	0	0	0	0	1
Involuntary Manslaughter	1	8	1	1	0	0	0	0	0	0	11
Incest	0	0	1	0	0	0	0	0	0	0	1
Kidnapping	0	0	0	0	0	0	0	0	0	0	0
Larceny	18	49	37	27	11	3	3	4	0	0	152
Larceny by deception	0	4	9	8	1	1	0	0	0	0	23
Larceny of antique	0	1	0	0	0	0	0	0	0	0	1
Larceny of property lost, mislaid, or delivered by mistake	0	0	0	0	0	0	0	0	0	0	0
Lewd and lascivious conduct	0	1	1	2	0	0	0	0	1	0	5
Libel	0	0	3	4	2	1	1	0	0	0	11
Malicious Mischief	0	12	17	9	8	6	0	0	0	0	52
Murder	0	0	0	2	0	0	0	0	0	0	2
Negligent burning or exploding	0	0	0	0	0	0	0	0	0	0	0
Negligent homicide	0	0	0	0	0	0	0	0	0	0	0

Table 17.3: Number of Person Arrested by Offence and Age Group, 2021

Offence	17 and below	18-24	25-31	32-38	39-45	46-52	53-59	60-66	67-73	74 and above	Total
Non-compliance with license	0	0	0	0	0	0	0	0	0	0	0
Obstruction of lawful authority	0	1	8	2	3	2	0	0	0	0	16
Obstruction of public service	0	0	0	0	0	0	0	0	0	0	0
Obstruction of thoroughfare	1	0	0	0	0	1	0	0	0	0	2
Offence against the ku, sung, thuk-ten, or zung	0	0	2	1	2	0	1	0	0	0	6
Offence of substance abuse	109	248	112	8	4	1	0	0	0	0	482
Offence of substance abuse by minor	0	0	0	0	0	0	0	0	0	0	0
Offence related to immigration act of Bhutan	0	0	0	0	0	0	0	0	0	0	0
Offence related to land act of Bhutan	0	0	0	0	0	0	0	0	0	0	0
Offence related to tobacco control act of Bhutan	0	1	0	0	0	0	0	0	0	0	1
Official misconduct	0	0	0	0	0	0	1	0	0	0	1
Possession of a controlled substance	0	0	0	0	0	0	0	0	0	0	0
Solicitation to use controlled drugs or substances	0	0	0	1	0	0	0	0	0	0	1
Possession of stolen property	0	0	0	0	1	0	0	1	0	0	2
Physical abuse	0	16	65	67	47	14	8	2	2	1	222
Prowling	0	0	0	0	0	0	0	0	0	0	0
Public intoxication	0	9	13	2	1	1	0	0	0	0	26
Promotion of prostitution	1	2	1	0	0	0	0	0	0	0	4
Prostitution	1	2	1	0	0	0	0	0	0	0	4
Rape	0	0	5	0	1	0	0	0	0	0	6
Rape of a child above 12 years of age	5	19	18	7	1	1	1	0	0	0	52
Rape of a married person	0	1	1	2	0	0	0	1	0	0	5
Reckless endangerment	0	1	1	2	0	1	0	0	0	0	5
Reckless endangerment of property	0	3	3	0	0	0	0	0	0	1	7
Reporting of false information	0	0	0	1	0	0	0	0	0	0	1
Robbery	0	0	0	0	0	0	0	0	0	0	0

Table 17.3: Number of Person Arrested by Offence and Age Group, 2021

Offence	17 and below	18-24	25-31	32-38	39-45	46-52	53-59	60-66	67-73	74 and above	Total
Sedition	0	0	1	0	0	0	0	0	0	0	1
Sell or distribute tobacco or tobacco products	0	0	2	0	0	1	0	1	0	0	4
Solicitation to commit burglary	0	1	1	1	0	1	0	0	0	0	4
Sexual Harassment	0	1	4	5	2	2	2	0	0	0	16
Smuggling	0	1	0	0	0	0	0	0	0	0	1
Smuggling of tobacco and tobacco products	0	5	20	10	7	1	0	0	0	0	43
Statutory Rape	0	2	2	2	1	0	1	0	0	0	8
Tampering with computer materials	0	0	0	0	0	0	0	0	0	0	0
Theft of service	0	0	0	1	1	0	0	0	0	0	2
Trafficking a person	0	0	0	1	0	0	0	0	0	0	1
Trespass	1	12	6	0	2	2	1	0	0	0	24
Treason	0	0	1	0	0	0	0	0	0	0	1
Unauthorized used of property	0	0	2	0	0	0	1	0	0	0	3
Unnatural sex	0	0	0	0	0	0	0	0	0	0	0
Voluntary manslaughter	0	1	0	1	2	0	0	0	0	0	4
Unlawful Collection	0	0	1	0	1	1	1	0	0	0	4
Total	312	934	1041	653	382	187	87	38	22	8	3664

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

Table 17.4: Monthly Motor Vehicle Accident by Dzongkhag, 2021

Dzongkhag	(Number)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Bumthang	0	0	0	1	0	0	0	1	1	0	0	0	3
Chhukha	8	13	16	11	4	3	11	10	6	8	12	13	115
Dagana	0	3	0	0	2	3	0	0	2	6	0	1	17
Gasa	0	0	2	1	1	1	2	0	1	0	0	0	8
Haa	0	0	3	0	2	0	1	4	5	4	2	2	23
Lhuentse	0	1	0	0	0	0	0	0	1	0	0	1	3
Monggar	1	1	0	2	2	1	1	1	0	1	3	2	15
Paro	0	11	5	8	21	12	13	11	23	10	17	10	141
Pema Gatshel	3	0	1	0	2	1	1	1	7	1	0	1	18
Punakha	4	5	9	3	6	1	5	3	2	6	2	7	53
Samdrup Jongkhar	0	2	4	2	0	2	2	1	1	0	0	1	15
Samtse	0	5	9	3	2	1	3	4	7	4	6	12	56
Sarpang	0	0	3	1	0	0	2	0	2	1	1	4	14
Thimphu	0	7	10	9	16	20	12	19	10	10	9	9	131
Trashigang	2	2	2	2	1	3	3	5	3	2	5	1	31
Trashi Yangtse	0	2	2	0	0	0	3	1	0	0	0	1	9
Trongsa	0	0	0	1	2	1	1	6	2	2	3	0	18
Tsirang	1	2	1	7	2	3	2	2	3	1	5	3	32
Wangdue Phodrang	5	5	0	1	1	7	3	3	0	0	1	3	29
Zhemgang	0	2	1	4	0	2	1	0	1	1	2	0	14
Total	24	61	68	56	64	61	66	72	77	57	68	71	745

Source: Thimphu Traffic Division, Royal Bhutan Police

Table 17.5: Motor Vehicle Accident by Dzongkhag, 2017 - 2021

(Number)

Dzongkhag	2017	2018	2019	2020	2021
Bumthang	4	21	6	4	3
Chhukha	44	296	347	165	115
Dagana	2	10	19	24	17
Gasa	2	2	6	3	8
Haa	0	21	32	16	23
Lhuentse	3	2	7	2	3
Monggar	10	47	13	8	15
Paro	174	172	193	136	141
Pema Gatshel	0	12	40	12	18
Punakha	5	9	76	61	53
Samdrup Jongkhar	12	46	22	17	15
Samtse	21	37	44	36	56
Sarpang	27	27	52	26	14
Thimphu	506	460	469	141	131
Trashigang	21	46	28	30	31
Trashigang Yangtse	4	6	12	14	9
Trongsa	4	13	13	8	18
Tsirang	7	59	37	44	32
Wangdue Phodrang	13	55	38	37	29
Zhemgang	3	19	17	26	14
Bhutan	862	1,360	1,471	810	745

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

Table 17.6: The Cause of Fatal Motor Vehicle Accident, 2020 and 2021

Cause of Accident	(Number)	
	2020	2021
Driver error		
Unlicensed driving	18	7
Speeding	14	15
Drunk driving	7	4
Reckless/Careless driving	5	5
Sleep/fatigue driving	6	5
Over load	2	4
Unsafe reverse	2	2
Driving on learner license	1	0
Not giving right of way	1	0
Not keeping left	1	1
Using mobile phone	1	0
Mechanical failure		
Brake failure	1	1
Road condition		
Narrow road	3	0
Loose soil	1	0
Icy or snowy road	1	1
Steep road	1	0
Falling boulders	2	1
Weather condition		
Foggy	3	2
Rainy	1	0
Unknown/Pending cases		
Unknown cause/Under investigation	12	0
Total	83	48

Source: Thimphu Traffic Division, Royal Bhutan Police

Table 17.7: Fines Imposed for Violation of Traffic Rules by Division, 2017 - 2021

(Nu. in Million)

Division/Dzongkhag	2017	2018	2019	2020	2021
Division I (Paro & Haa)	2.046	2.573	2.730	11.509	7.529
Division II (Punakha & Gasa)	1.515	1.421	1.841	1.639	1.447
Division III (Chhukha)	4.369	5.003	5.580	0.545	0.782
Division IV (Samtse)	1.643	1.613	1.961	1.032	0.838
Division V (Sarpang & Zhemgang)	2.812	3.793	2.846	0.561	0.659
Division VI (Tsirang & Dagana)	1.205	1.469	0.954	1.465	1.377
Division VII (Trongsa)	0.653	0.592	0.413	0.598	0.826
Division VIII (Samdrupjongkhar & Pemagatshel)	1.870	2.602	5.148	0.186	0.399
Division IX (Trashigang)	1.293	0.747	0.732	0.471	0.614
Division X (Monggar & Lhuentse)	0.943	0.850	0.514	0.627	0.691
Thimphu Traffic Division	17.970	11.823	16.260	0.123	0.631
Division XII (Wangduephodrang)	2.971	2.577	2.999	0.776	1.238
Division XIII (Bumthang)	0.437	0.438	0.364	0.359	0.560
Division XIV (Tashi Yangtse)	0.154	0.357	0.252	0.112	0.301
Total	39.881	35.858	42.593	20.001	17.892

Source: Traffic Division, Royal Bhutan Police, Thimphu.

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