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Statistical Yearbook of Bhutan 2014

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Royal Government of Bhutan

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# PREFACE

The Statistical Yearbook of Bhutan 2014 is the thirty second edition of an annual series published by the National Statistics Bureau, Royal Government of Bhutan. It provides a comprehensive and systematic current statistical information of the key socio-demographic and economic characteristics of Bhutan. Through this publication, users will be able to glance Bhutan's economy and population based on the latest available information.

Improvements are continuously made to the Yearbook to enhance its value to users. New data series on topics of interest are added as and when available. The Statistical Yearbook publication commenced from 1982 and since then the contents and coverage of the Yearbook has gone through various changes.

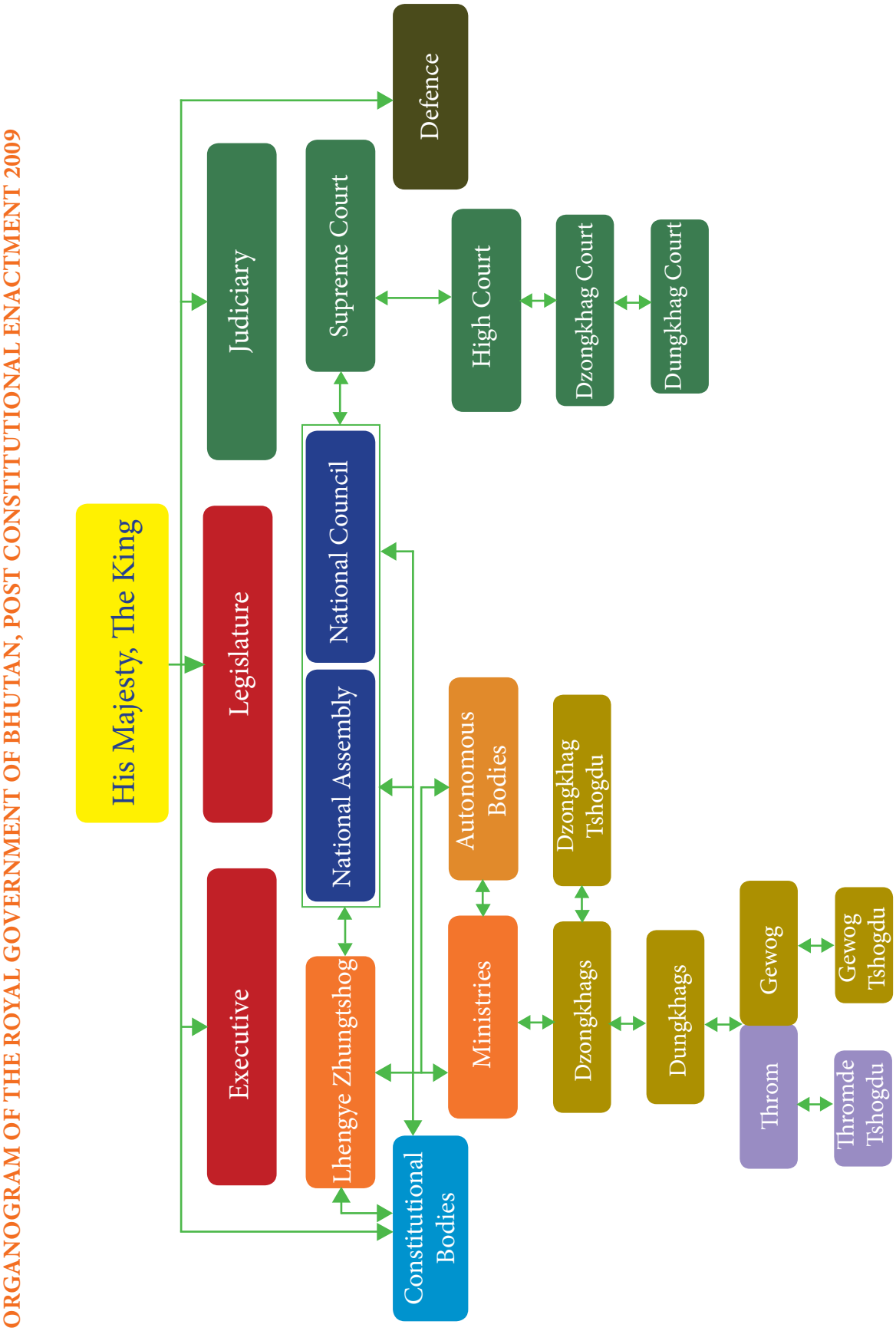
The data series in the Yearbook are compiled and published by the National Statistics Bureau and its sources are from government ministries and departments including the National Statistics Bureau, and also corporations and private organisations. It is expected to provide different sources of information for the users. We also disseminate official statistics through electronic services. The yearbook publications can be downloaded from the National Statistics Bureau website via www.nsb.gov.bt

I would like to extend my deep appreciation to all the organisations that have contributed to the success of this publication for the past thirty two years. In order to improve the quality of the forthcoming issues, your comments and suggestions in this regard will be highly appreciated.

I look forward to your continued support.

**Kuenga Tshering**
Director General
National Statistics Bureau

**October 2014**


ORGANOGRAM OF THE ROYAL GOVERNMENT OF BHUTAN, POST CONSTITUTIONAL ENACTMENT 2009
His Majesty, The King
Executive
Legislature
Judiciary
Defence
Supreme Court
High Court
Dzongkhag Court
Dungkhag Court
National Council
National Assembly
Lhengye Zhungtshog
Constitutional Bodies
Autonomous Bodies
Ministries
Dzongkhag Tshogdu
Dzongkhags
Dungkhags
Gewog
Gewog Tshogdu
Throm
Thromde Tshogdu

# TABLE OF CONTENTS

PREFACE ..... iii
ORGANOGRAM OF THE ROYAL GOVERNMENT OF BHUTAN ..... iv
NOTES FOR USERS ..... xii
UNITS OF MEASUREMENT ..... xiii
FACTS ABOUT BHUTAN ..... xv
BHUTAN ..... xvi

**POPULATION ..... 1**

Table 1.1: Projected Population by Sex, Bhutan (2010 - 2030) ..... 4
Table 1.2: Projected Population by Age Group and Sex, Bhutan (2013 - 2014) ..... 5
Table 1.3: Crude Birth Rate by Area and Dzongkhag 2005 ..... 6
Table 1.4: General Fertility Rate (GFR), General Marital Fertility Rate (GMFR) and Total Fertility Rate (TFR) by Area and Dzongkhag 2005 ..... 7
Table 1.5: Age Specific Fertility Rate (Per 1000 Women) by Age Group and Dzongkhag 2005 ..... 8
Table 1.6: Crude Death Rate (CDR) by Area and Dzongkhag 2005 ..... 9
Table 1.7: Natural Population Growth Rate by Area and Dzongkhag 2005 ..... 10
Table 1.8: Infant Mortality (IMR), Child Mortality Rate (CMR) and Under 5 Mortality Rate (U5MR) by Dzongkhag 2005 ..... 11

**HEALTH ..... 13**

Table 2.1: Summary of Health Facilities and Personnel, Bhutan (2008-2013) ..... 16
Table 2.2: Type of Health Facilities by Dzongkhag, Bhutan 2013 ..... 17
Table 2.3: Health Personnel by Category, Bhutan (2008-2013) ..... 18
Table 2.4: Top Ten Morbidity, Bhutan 2013 ..... 19
Table 2.5: Top Ten Inpatient Hospital Mortality, Bhutan 2013 ..... 19
Table 2.6: Total Morbidity by Sex, Bhutan 2013 ..... 20
Table 2.7: Inpatient Cases in all Hospitals, Bhutan 2013 ..... 27
Table 2.8: Outpatient Cases in all Hospitals, Bhutan 2013 ..... 35
Table 2.9: Number of Patient Admissions & Average Length of Stay in Dzongkhag Hospitals, Bhutan (2009-2013) ..... 42
Table 2.10: Immunization Status by Dzongkhag, Bhutan 2013 ..... 43
Table 2.11: Nutritional and Vitamin A Status of Children Attending Clinics, Bhutan (2008-2013) 44
Table 2.12: Details of Maternal & Child Health Care Activities, Bhutan (2008-2013) ..... 45
Table 2.13: Family Planning Methods by Type, Bhutan (2008-2013) ..... 45
Table 2.14: Details of Maternal & Child Health Care Activities by Dzongkhag, Bhutan (2008-2013). ..... 46
Table 2.15: Number of Users of Family Planning Methods by Type, by Dzongkhag, Bhutan 2013 . 48
Table 2.16: Number of Malaria Cases by Type and Deaths, Bhutan (2009-2013) ..... 49
Table 2.17: Number of Tuberculosis Cases by Type and Deaths, Bhutan (2008-2013) ..... 49
Table 2.18: Types of Water and Sanitation Facility by Dzongkhag, Bhutan 2013 ..... 50

**EDUCATION . . . . . 51**

Table 3.1: Number of Schools, Institutes & Centres, Bhutan 2013 . . . . . 53

Table 3.2: Number of Students, Learners, Trainees and Novitiates, Bhutan 2013 . . . . . 54

Table 3.3: Summary of Teachers, Lecturers, Instructors, Trainers and Caregivers, Bhutan 2013 . . 55

Table 3.4: Number of Schools by Type and Dzongkhag, Bhutan 2013 . . . . . 56

Table 3.5: Number of Teachers in Schools by Sex, Bhutan (2009-2013) . . . . . 57

Table 3.6: Enrolment in Schools and Institutions, Bhutan (2009-2013) . . . . . 58

Table 3.7: Number and Percent Share of Students per Dzongkhag by Type of Schools, Bhutan 201359

Table 3.8: Comparative Enrolment by Grade and Type of Schools, Bhutan (2012-2013) . . . . . 60

Table 3.9: Number of Students by Grade, Bhutan (2009-2013) . . . . . 61

Table 3.10: Coefficient of Internal Efficiency in percentage by Grade & Sex, Bhutan 2012 . . . . . 62

**LABOUR AND EMPLOYMENT . . . . . 65**

Table 4.1: Type of Employment in Civil Servants by Position Category, Bhutan (2009-2013) . . . . . 67

Table 4.2: Employment in Civil Servants by Working Agency, Bhutan 2013 . . . . . 69

Table 4.3: Employment in Civil Servants by Type, Position Category & Sex, Bhutan 2013 . . . . . 73

Table 4.4: Percentage Distribution of Employed Persons by Major Economic Activity and Sex, Bhutan 2013 . . . . . 75

Table 4.5: Percentage Distribution of Employed Persons by Major Occupation and Sex, Bhutan 2013 . . . . . 75

Table 4.6: Percentage Distribution of Employed Persons by Nature of Employment and Sex, Bhutan 2013 . . . . . 76

Table 4.7: Percentage Distribution of Labour Force Participation, Employment Status by Age Group and Sex, Bhutan 2013 . . . . . 76

Table 4.8: Number of Persons Employed by Age Group and Type of Enterprise, Bhutan 2013 . . . . 77

Table 4.9: Total Employed Persons by Age Group and Completed Level of Education, Bhutan 201378

Table 4.10: Total Employed Persons by Level of Education and Dzongkhag, Bhutan 2013 . . . . . 79

Table 4.11: Total Employed Persons by Major Economic Activity and Nature of Employment, Bhutan 2013 . . . . . 80

Table 4.12: Employed Persons by Dzongkhag, Sex and Area of Residence, Bhutan 2013 . . . . . 81

Table 4.13: Employed Persons who Worked During the past one Week Prior to the Survey Period by Major Economic Activity and Hours of Work, Bhutan 2013 . . . . . 82

Table 4.14: Employed Persons who Worked During The Past One Week Prior to the Survey Period by Nature of Employment and Hours of Work, Bhutan 2013 . . . . . 82

Table 4.15: Employed Persons by Major Economic Activity and Level of Education, Bhutan 2013 83

Table 4.16: Unemployed Persons by Age Group, Sex and Area of Residence, Bhutan 2013 . . . . . 84

**AGRICULTURE . . . . . 85**

Table 5.1: Number of Agriculture Research and Extension Facilities, Bhutan (2010-2013) . . . . . 88

Table 5.2: Area Proportion by Altitude Zones as Percentage of Total Dzongkhag Area, Bhutan 201089

Table 5.3: Area Proportion by Altitude Zones as Percentage of Total Country Area, Bhutan 2010 . 90

Table 5.4: Quantity of Chemical Fertilizers Distribution to Farmers, Bhutan (2004 -2011) . . . . . 91

Table 5.5: Agriculture Land Holdings & Land Types by Dzongkhag, Bhutan 2010 . . . . . 92
Table 5.6: Cultivated Area, Production and Yield of Major Crops by Dzongkhag, Bhutan 2012 . . . 93
Table 5.7: Number of Livestock by Type and Dzongkhag, Bhutan 2013 . . . . . 95
Table 5.8: Livestock Production, Bhutan (2007-2013) . . . . . 96
Table 5.9: Fruit Production and Yield, Bhutan (2007-2012) . . . . . 96
Table 5.10: Vegetables, Oilseeds, Spices and Pulses Production, Bhutan (2007-2012). . . . . 97
Table 5.11: Volume and Value of Exports by Major Commodities, Bhutan (2008-2011) . . . . . 98
Table 5.12: Volume and Value of Imports by Major Commodities, Bhutan (2008-2011) . . . . . 99
Table 5.13: Annual Average Price of Agricultural Commodities by Type, Bhutan (2003-2012) . . 100
Table 5.14: Imports and Sales of Food Items by Food Corporation of Bhutan (2006-2013). . . . . 101
Table 5.15: Quantity of Agricultural Produce Handled by Food Corporation of Bhutan (2006-2013) . . . . . 102

**ENVIRONMENT. . . . . 103**

Table 6.1: Area of Land-Use and Vegetation by Types, Bhutan 2010. . . . . 105
Table 6.2: Area Proportion as Percentage of Total Dzongkhag Area by Type of Land Cover, Bhutan 2010 . . . . . 106
Table 6.3: Area Proportion as Percentage of Total Country Area by Type of Land Cover, Bhutan 2010 . . . . . 107
Table 6.4: Forest Area Under Tree Cover by Dzongkhags, Bhutan 2010 . . . . . 108
Table 6.5: Monthly Maximum and Minimum Average Temperature by Dzongkhag, Bhutan 2013109
Table 6.6: Total Monthly Rainfall at Existing Stations in each Dzongkhag, Bhutan 2013 . . . . . 111
Table 6.7: Details of Protected Areas in Bhutan, by Year of Establishment and Area, Bhutan 2013114
Table 6.8: Disposal of Logwood, Natural Resources Development Corporation Limited, Bhutan (2005-2010). . . . . 114
Table 6.9: Supply of Timber at Commercial, Concessional and Free by Royalties, Bhutan 2011 & 2012 . . . . . 115
Table 6.10: Quantity of Timber Supplied and Royalties Realized by Dzongkhag, Bhutan (2010-2012) . . . . . 116
Table 6.11: Distribution of Geographical Area by Agro-Ecological Zones, Bhutan 2010 . . . . . 117
Table 6.12: Mineral Production by Type, Bhutan (2008-2013). . . . . 118
Table 6.13: Mineral Production by Type and Use, Bhutan (2010-2013) . . . . . 119
Table 6.14: Length of Roads by Type, Bhutan (2008-2013) . . . . . 120
Table 6.15: Length of Roads by Type and Dzongkhag, Bhutan 2013 . . . . . 121
Table 6.16: Number of Registered Vehicles by Type and Region 2012 & 2013 . . . . . 122
Table 6.17: Total Electricity Generation and Supply, Bhutan (2007/08-2013). . . . . 123
Table 6.18: Consumption of Electricity by Type of Consumer 2013. . . . . 124
Table 6.19: Percentage of Major Attraction to Bhutan 2012 & 2013 . . . . . 124
Table 6.20: Import of Petroleum Products by Volumn and Value (2008-2013) . . . . . 125
Table 6.21: Total Ghg Emissions in Bhutan 2000. . . . . 126
Table 6.22: PM 10 Concentration (Microgram/m3) for Thimphu Dzongkhag (2009 -2013) . . . . . 126

**INDUSTRIES . . . . . 127**

Table 7.1: Number of Industrial Establishments by Sector, Bhutan (2008-2013) . . . . . 129

Table 7.2: Number of Licencesed Firms in Manufacturing and Mining Industries by Sub Sector and Ownership, Bhutan (2010-2013) . . . . . 130

Table 7.3: Number of Industries by Ownership, Size and Type, Bhutan (2007-2013) . . . . . 131

Table 7.4: Number of Contract Firms by Size,by Dzongkhag, Bhutan 2013 . . . . . 132

Table 7.5: Number of Industrial Firms, by Type, by Dzongkhag, Bhutan 2013 . . . . . 133

Table 7.6: Number of Industries by Type, by Dzongkhag, Bhutan 2013. . . . . 134

Table 7.7: Number of Establishment by Nature of Major Economic Activity, Bhutan 2010 . . . . . 135

Table 7.8: Establishments by Major Economic Activity by Dzongkhag, Bhutan 2010 . . . . . 136

Table 7.9: Establishments by Major Economic Activity and Ownership, Bhutan 2010 . . . . . 138

Table 7.10: Establishments by Ownership, by Dzongkhag 2010 . . . . . 139

Table 7.11: Establishments by Legal Organization, by Dzongkhag 2010 . . . . . 140

Table 7.12: Establishments by Kind of Raw Materials Used and Ownership 2010 . . . . . 141

Table 7.13: Equipment and Machineries Used in Major Economic Activity, Bhutan 2010 . . . . . 142

**TRANSPORT AND COMMUNICATION . . . . . 143**

Table 8.1: Number and Length of Motorable Bridges by Type, Bhutan 2013 . . . . . 146

Table 8.2: Number of Driving Licenses Issued by Region, Bhutan (2008-2013) . . . . . 146

Table 8.3: Number of Pedestrian Bridges Constructed Since 5Th Five Year Plan by Dzongkhag, 2013 . . . . . 147

Table 8.4: Number of Passengers Carried & Revenue Earned by Druk Air Flights by Area of Operation (2007-2013). . . . . 148

Table 8.5: Number of Flights Made by Druk Air by International and Domestic by Area of Operation (2007-2013). . . . . 150

Table 8.6: Number of Telephone Connection Capacity by Dzongkhag (2011-2013) . . . . . 152

Table 8.7: Number of Telephone Trunk Circuits, Bhutan 2013 . . . . . 153

Table 8.8: Number of Trunk Lines, Connection Capacities, Sets in Use & Mobile Subscribers (2007-2013). . . . . 155

Table 8.9: Number of Telephone Trunk Calls and Revenue Earnings, Bhutan (2007-2013) . . . . . 156

Table 8.10: Number of B-Mobile Trunk Calls and Revenue Earnings, Bhutan 2012 & 2013 . . . . . 156

Table 8.11: Number of Tashicell Trunk Calls and Revenue Earnings, Bhutan (2009-2013) . . . . . 157

Table 8.12: Number of Postal Infractructures (2007-2013) . . . . . 157

Table 8.13: Volume of Mail, by Type of Article (2007-2013) . . . . . 158

Table 8.14: Financial Services, Number and Value of Money Order by Type, Bhutan (2007-2013)159

Table 8.15: Volume of Mail, by Type of Article, Tamu worldwide Shipping Private Ltd. Thimphu (2009-2013). . . . . 160

Table 8.16: Volume of Mail, by Type of Article, DHL (2008-2013). . . . . 160

**ENERGY . . . . . 161**
Table 9.1: Hydro Generating Stations and Their Capacities, Bhutan (2011-2013). . . . . 163
Table 9.2: Details of Diesel Generator Sets, Bhutan 2013 . . . . . 166
Table 9.3: Major Transmission Lines, 2013. . . . . 168
Table 9.4: Monthly Revenue From Sale of Energy from Chhukha Power Plant (2009-2013) . . . . . 170
Table 9.5: Monthly Revenue From Sale of Energy From Tala Power Plant (2009-2013) . . . . . 171
Table 9.6: Monthly Revenue From Sale of Energy From Kurichu Power Plant (2009-2013). . . . . 172
Table 9.7: Details of Domestic Electrical Energy Consumption (2007/08-2013) . . . . . 173

**TOURISM. . . . . 175**
Table 10.1: Annual International Tourist Arrivals by Country and Region, Bhutan (2007-2013) . 177
Table 10.2: Tourist Arrivals By Country of Residence and Revenue Receipts, Bhutan (2007-2013)182
Table 10.3: Percentage of Tourist Arrivals by Purpose of Visit, Bhutan (2012-2013). . . . . 182
Table 10.4: Number of Tourist Arrivals by Season and Month, Bhutan (2007-2013). . . . . 183
Table 10.5: Total Number of Tourist Arrivals by Dzongkhag (2010 - 2013) . . . . . 184
Table 10.6: Top Ten Tour Operators by Number of Tourists, Bhutan 2013 . . . . . 185
Table 10.7: Top Ten Accomodation Providers by Bed Nights, 2013 . . . . . 185

**FOREIGN TRADE AND BALANCE OF PAYMENTS. . . . . 187**
Table 11.1: Balance of Trade, Bhutan (2007 - 2013) . . . . . 189
Table 11.2: Top Ten Commodities of Exports, Bhutan 2013 . . . . . 189
Table 11.3: Top Ten Commodities of Imports, Bhutan 2013 . . . . . 190
Table 11.4: Direction of Trade by Import Ranking Order, Top Ten Country 2013. . . . . 190
Table 11.5: Direction of Trade by Export Ranking Order, Top Ten Country 2013. . . . . 191
Table 11.6: Overall Balance of Payments Estimates, Bhutan, FY 2008/09 To 2012/13. . . . . 192
Table 11.7: Gross International Reserves (End Period), Bhutan, 2008/09 To 2012/13. . . . . 193
Table 11.8: Monthly Average Exchange Rates, Ngultrum Per US $ (2007 - 2013) . . . . . 194

**BANKING AND FINANCE . . . . . 195**
Table 12.1: Monetary Survey: Royal Monetary Authority, Bhutan National Bank, Bank Of Bhutan, Bhutan Development Bank, Druk PNB Bank and T Bank (2009-2013) . . . . . 197
Table 12.2: Monetary and Financial Statistics of Royal Insurance Corporation of Bhutan (2009-2013) . . . . . 198
Table 12.3: Monetary and Financial Statistics of Bhutan National Bank Limited (2009-2013) . . . 199
Table 12.4: Monetary and Financial Statistics of Bhutan Development Bank Limited December (2010-2013). . . . . 200
Table 12.5: Monetary and Financial Statistics of Royal Monetary Authority of Bhutan (2009-2013)201
Table 12.6: Monetary and Financial Statistics: Bank of Bhutan Limited (2009-2013) . . . . . 202

Table 12.7: Monetary and Financial Statistics of T-Bank Ltd, December (2010- 2013) . . . . . 203
Table 12.8: Monetary and Financial Statistics: Druk PNB Bank Ltd., December (2010-2013) . . . . 204
Table 12.9: Monetary and Financial Statistics: Bhutan Insurance Limited, December (2010-2013)205
Table 12.10: Investments of Financial Institutions by Industry, Amounts Outstanding (2009-2013) . . . . . 206
Table 12.11: Interest Rates of Deposits in Financial Institutions (2009 - 2013). . . . . 209
Table 12.12: Interest Rates and Repayment Period by Sector and Type of Loan, Financial Institutions, Bhutan (2010-2013) . . . . . 210
Table 12.13: Royal Securities Exchange of Bhutan Ltd. Number of Share Holders at The End of December (2008 - 2013) . . . . . 211
Table 12.14: Royal Securities Exchange of Bhutan Ltd. Market Information at the End of December 2013 . . . . . 212
Table 12.15: Royal Securities Exchange of Bhutan Ltd.Total Traded Volume at The End of December (2008 - 2013) . . . . . 213
Table 12.16: Royal Securities Exchange of Bhutan Ltd. Traded Values (2008 - 2013) . . . . . 214
Table 12.17: Dividend Declared by the Company (2009-2013) . . . . . 216
Table 12.18 Bonus/Rights/Employee Stock Options (ESoP)/Off Market Transaction (2009 - 2013)217

**PUBLIC FINANCE . . . . . 219**

Table 13.1: Annual Current Expenditure of the Government by Agency, 2008/09 To 2012/13 . . . 221
Table 13.2: Annual Capital Expenditure of the Government by Agency, 2008/09 To 2012/13 . . . . 223
Table 13.3: Sectoral Government Expenditures, 2008/09 To 2012/13 . . . . . 225
Table 13.4: Summary of National Revenue of the Government by Source, Bhutan, 2008/09 To 2012/13 . . . . . 226
Table 13.5: Fiscal Framework of Government, Bhutan 2008/09 To 2012/13 . . . . . 227
Table 13.6: Revenue Collection by Sector, 2008/09 To 2012/13. . . . . 228
Table 13.7: Government Debt Stock & Debt Service, 2008/09 To 2012/2013 . . . . . 229

**PLAN OUTLAYS. . . . . 231**

Table 14.1: Tenth Plan Budgetary Outlay and Allocation, Bhutan (2008-2013) . . . . . 233
Table 14.2: Eleventh Plan Budgetary Outlay and Allocation, Bhutan (2013-2018) . . . . . 235
Table 14.3: Dzongkhag Wise Ninth Five Year Plan Outlay, Bhutan (2002-2007) . . . . . 237
Table 14.4: Dzongkhag Wise Tenth Five Year Plan Outlay (2008-2013) . . . . . 238
Table 14.5: Dzongkhag Wise Eleventh Five Year Plan Outlay (2013-2018) . . . . . 239
Table 14.6: Indicative Capital Allocation to Gewogs, Eleventh Five Year Plan (2013-2018) . . . . . 240

**NATIONAL ACCOUNTS . . . . . 249**
Table 15.1: GDP by Economic Activity at Current Prices (2009 - 2013) . . . . . 251
Table 15.2: Percentage Share of GDP by Economic Activity at Current Prices (2009 - 2013). . . . . 252
Table 15.3: Sectoral Growth Rates of GDP in Constant Prices (2009 - 2013) . . . . . 253
Table 15.4: Gross Domestic Product by Major Economic Sectors in Current Prices,(2009 - 2013)254
Table 15.5: Percentage Share of GDP by Major Sector in Current Prices (2009 - 2013) . . . . . 254
Table 15.6: Year on Year GDP Growth (2009-2013) . . . . . 254
Table 15.7: GDP by Expenditure at Current Prices (2009 - 2013). . . . . 255
Table 15.8: GDP Share of Expenditure at Current Prices (2009 - 2013). . . . . 256
**PRICES . . . . . 257**
Table 16.1: Consumer Price Index (CPI), Year on Year Inflation (2009-2014) . . . . . 259
Table 16.2: Consumer Price Index (CPI) Year on Year Percent Change by Group Level, Bhutan (2009-2014). . . . . 260
Table 16.3: Month-on-Month Consumer Price Index and Percent Change, 2013 & 2014 . . . . . 261
Table 16.4: Month-on-Month Consumer Price Index (CPI), & Percent Change for Domestic Goods & Services, 2013 & 2014 . . . . . 262
Table 16.5: Month-on-Month Consumer Price Index (CPI), & Percent Change for Imported Goods, 2013 & 2014. . . . . 263
Table 16.6: Month-on-Month Consumber Price Index (CPI), and Percent Change by Group 2013 & 2014 . . . . . 264
Table 16.7: Monthly Producer Price Index (PPI)by Industry (September 2011=100) . . . . . 266
Table 16.8: Annual Percent Change in Producer Price Index (PPI), by Industry, 2012 & 2013 . . . 267
Table 16.9: Monthly percent change in Producer Price Index (PPI) by Industry, 2012 & 2013 . . . 268
Table 16.10: Monthly Producer Price Index (PPI) by Product, 2012 & 2013. . . . . 269
Table 16.11: Annual Percent Change in Producer Price Index (PPI) by Product, 2012 & 2013 . . . 270
Table 16.12: Monthly Percent Change in Producer Price Index (PPI) by Product, 2012 & 2013 . . 271
**CRIMES. . . . . 273**
Table 17.1: Total Number of Crime Incidents and Type of Offences by Dzongkhag, Bhutan 2013 275
Table 17.2: Monthly Motor Vehicle Accident by Dzongkhag, Bhutan 2013 . . . . . 278
Table 17.3: Houses Destroyed by Fire by Dzongkhag, Bhutan (2010-2013) . . . . . 279
Table 17.4: Fines Imposed for Violation of Traffic Rules by Divisions, Bhutan (2009-2013) . . . . . 280

# NOTES FOR USERS

1. Unless otherwise indicated, the present issue of the Yearbook contains statistics available as of December 2013.
2. For some tables, there are footnotes indicating information specific to each figure in the table.
3. The following notations are used in the tables:

| | |
|---|---|
| … | not available/ not applicable |
| ( ) | negative figures |
| CY | calendar year (from January to December) |
| FY | fiscal year (from July to June, example: 2012/13) |

4. Figures may not add up to the totals due to rounding.
5. Some figures, particularly those for the most recent time periods, are provisional and may be subject to revision in later issues.
6. Values are shown in Ngultrum (unless otherwise stated).
7. Suggested citation: Statiatical Yearbook of Bhtuan (SYB) 2014, NSB, Thimphu.

# UNITS OF MEASUREMENT

## Length Measurements

### Standard Units

| | | | |
|---|---|---|---|
| 1 foot | = 12 inches | | |
| 1 yard | = 3 feet | = 36 inches | |
| 1 mile | = 1,760 yards | = 5,280 feet | = 63,360 inches |

### Metric Units

| | | | |
|---|---|---|---|
| 1 centimeter | = 10 millimeters | | |
| 1 meter | = 100 centimeters | = 1,000 millimeters | |
| 1 kilometer | = 1,000 meters | = 100,000 centimeters | = 100,000,000 millimeters |

### Conversion

| | | |
|---|---|---|
| 1 inch | = 2.54 centimeters | = 25.4 millimeters |
| 1 foot | = 30.48 centimeters | |
| 1 yard | = 0.91 meters | |
| 1 mile | = 1.6 kilometers | |

| | | |
|---|---|---|
| 1 millimeter | = 0.04 inches | |
| 1 centimeter | = .39 inches | = 0.0325 feet |
| 1 meter | = 3.28 feet | |
| 1 kilometer | = 0.62 miles | |

## Weight Measurements

### Standard Units

| | | |
|---|---|---|
| 1 pound | = 16 solid ounces | |
| 1 short ton | = 2,000 pounds | = 32,000 ounces |
| 1 ton | = 2240 pounds | = 35,840 ounces |
| 1 troy ounce (used in gold) | | = 1.1 ounces |
| 1 Tolä | = 11.66375 grams | = 0.375 troy ounce |

### Metric Units

| | | |
|---|---|---|
| 1 kilogram | = 1,000 grams | |
| 1 ton | = 1,000 kilograms | = 1,000,000 grams |

### Conversion

| | | | |
|---|---|---|---|
| 1 ounce | = 28.34 grams | | |
| 1 pound | = 0.45 kilograms | = 450 grams | |
| 1 short ton | = 0.9 ton | = 900 kilograms | = 900,000 grams |

| | | | |
|---|---|---|---|
| 1 gram | = 0.035 ounces | | |
| 1 kilogram | = 2.2 pounds | = 35.2 ounces | |
| 1 ton | = 1.1 short ton | = 35,200 ounces | |

## Volume Measurements

### Standard Units

| | | | |
|---|---|---|---|
| 1 tablespoon | = 3 teaspoons | | |
| 1 fluid ounce | = 2 tablespoons | = 6 teaspoons | |
| 1 cup | = 8 fluid ounces | = 16 tablespoons | = 48 teaspoons |
| 1 pint | = 2 cups | = 16 fluid ounces | = 32 tablespoons |
| 1 quart | = 2 pints | = 4 cups | = 32 fluid ounces |
| 1 gallon | = 4 quarts | = 8 pints | = 16 cups |

### Metric Units

| | |
|---|---|
| 1 liter | = 1,000 milliliters |

### Conversion

| | | |
|---|---|---|
| 1 fluid ounce | = 29.57 milliliters | |
| 1 pint | = 0.47 liters | = 470 milliliters |
| 1 quart | = 0.95 liters | = 950 milliliters |
| 1 gallon | = 3.78 liters | = 3,780 milliliters |

| | | |
|---|---|---|
| 1 milliliter | = 0.03 fluid ounces | |
| 1 liter | = 1,000 milliliters | = 2.11 pints |
| 1 liter | = 1.06 quarts | |
| 1 liter | = 0.26 gallons | |

## Time Measurements

### Standard Units

| | | | |
|---|---|---|---|
| 1 minute | = 60 seconds | | |
| 1 hour | = 60 minutes | = 3,600 seconds | |
| 1 day | = 24 hours | = 1,440 minutes | = 86,400 seconds |
| 1 year | = 365.25 days | = 8,766 hours | = 525,960 minutes |

| | | | |
|---|---|---|---|
| 1 leap year | = 366.25 days (once every four years) | | |
| 1 decade | = 10 years | | |
| 1 century | = 10 decades | = 100 years | |
| 1 millennium | = 10 centuries | = 100 decades | = 1,000 years |

## Land Measurement

### Standard Units

| | |
|---|---|
| 1 Hectare | = 2.471 acres |
| 1 Acre | = 4047 square meters |
| 1 Acre | = 43,560 square feet |
| 1 Acre | = 100 decimals |
| 1 Decimal | = 435.60 square feet |

# FACTS ABOUT BHUTAN

| | |
|---|---|
| Land Area (Sq. Km) | 38,394 |
| Forest Cover (percent) | 70.5 |
| Projected Population (in nos.), 2014 | 745,153 |
| Natural Population Growth Rate (percent), PHCB 2005 | 1.3 |
| Average Household Size, (BMIS, 2010) | 4.6 |
| National Language | Dzongkha |
| National Currency | Ngultrum (Nu.) |
| Number of Hospitals, 2013 | 32 |
| Number of Doctors, 2013 | 203 |
| Number of Civil Servants, (as of 31st December 2013) | 25,306 |
| Number of Schools, Institutes, Daycare & NFE Centers, 2013 | 1,050 |
| Number of Teachers (Including Institutes & NFE), 2013 | 10,296 |
| Number of Students (Including Institutes & NFE), 2013 | 215,016 |
| Labour Force Participation Rate, (LFS 2013) | 65.3 |
| Unemployment Rate, (LFS 2013) | 2.9 |
| Telephone Sets in Use, 2013 | 26,485 |
| B-Mobile Subscriber (Nos.), 2013 | 406,353 |
| Tashicell Subscriber (Nos.), 2013 | 139,589 |
| Postal Infrastructure (Nos.), 2013 | 128 |
| Total Road Length (km.), 2013 | 10,578.3 |
| Number of Registered Vehicles, 2013 | 67,926 |
| Electricity Generation (MU), 2013 | 7,550.04 |
| Electricity Exports (MU), 2013 | 5,624.60 |
| Number of Tourist Arrivals (dollar paying tourist), 2013 | 44,241 |
| Revenue Earned from Tourism (million US $), 2013 | 63.49 |
| Total Industrial Establishments, 2013 | 62,282 |
| Balance of Trade (million Nu.), 2013 | (21,420.01) |
| Exchange Rate (Calendar Year), Nu. Per US $, 2013 | 58.59 |
| Gross International Money Reserves (million US $), 2012/13 | 916.86 |
| Total Eleventh Plan Budgetary Outlay (million Nu.) 2013-2018 | 213,291.46 |
| GDP at Current Price(million Nu.), 2012/13 | 98,556.5 |
| Annual Average Inflation Rate (percent), 2013 | 8.77 |
| Purchasing Power of Nu., 2013 (Base Year =2003) | 0.52 Nu |

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

In the south, the Southern Hills or Siwalik Hills, 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 countries in Asia, it is affected by the monsoons. The climate is humid and subtropical in the southern plains and foothills, temperate in the inner Himalayan valleys of the central regions, and cold in the north, with year-round snow on the main Himalayan range.

Temperatures vary according to elevation. Most of the central portion of

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

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

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

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

## Drainage Pattern

Fed by fresh snow each winter and slow melting in the summer, the glaciers bring millions of liters of fresh water to Bhutan and downriver areas each year. Bhutan has four major river systems: the Drangme Chhu; the Puna Tsang Chhu; the Wang Chhu; and the Amo Chhu. Each flows swiftly out of the Himalayas, southerly through the Duars to join the Brahmaputra River in India. The largest river system, the Drangme Chhu, flows southwesterly from India's state of Arunachal Pradesh and has three major tributaries: the Drangme Chhu, Mangde Chhu, and Chamkhar Chhu. These rivers form the Drangme Chhu basin. In the Duars, where eight tributaries join, the Drangme Chhu is called the Manas Chhu. The 320-kilometer-long Puna Tsang Chhu

rises in northwestern Bhutan as the Mo Chhu and Pho Chhu, which are fed by the snows and glaciers from the Great Himalayan Range. They flow southerly to Punakha, where they join to form the Puna Tsang Chhu, which flows southerly into India's state of West Bengal. Wang Chhu, which is 370 kilometers flows southeasterly through west-central Bhutan and drains Haa, Paro and Thimphu valleys. It then 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. Democracy begin in march 2008 with Prime Minister as the head of the from the ruling political party.

## Administrative System

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

In order to plan and review the development activities most efficiently in the Dzongkhag, the Dzongkhag Tshogdu was established in 1981. The Dzongkhag Tshogdu compromises of elected representatives of the people with its chairman elected among the Gups. Similarly, the Gewog Tshogde was established in 1991

to further decentralize the decision making process. The Gewog Tshogde comprises of Gup, Mangmi and Tshogpas. The main role of the Gewog Tshogde is to plan, prioritize and implement the developmental activities in their respective Gewogs.

## The National Assembly

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

## The National Council

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

- Ensure that the government safeguards the interest of the nation and fulfills the aspirations of the people through public review of polices and issues, bills and other legislation, and scrutiny of state functions.

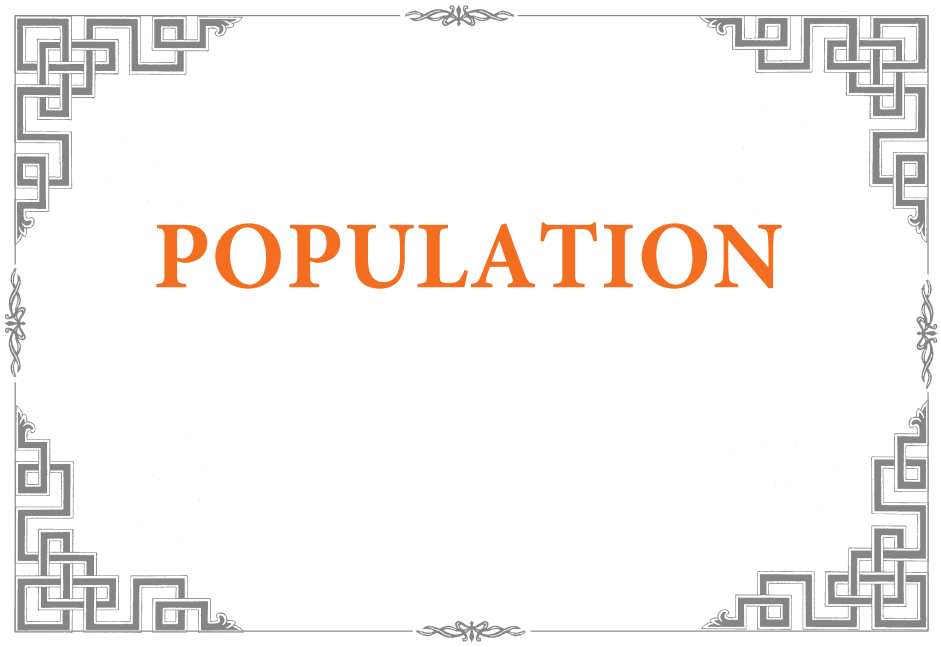
- Act as the house of review on matters affecting the security and sovereignty of the country and the interests of the nation and people that need to be brought to the notice of His Majesty, the Druk Gyalpo, the Prime Minister and the National Assembly.

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 Abbots) 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.



# POPULATION

This chapter gives statistics on different population characteristics like its size, distribution, growth and structure.

The main source of data for this report is the last Population and Housing Census of Bhutan (PHCB) conducted in 2005. Figures for the years after 2005 are projected population based on the PHCB 2005 results.

In 2005, the total population of Bhutan was enumerated at 672,425 while the actual resident population, as of the census day, was enumerated to be 634,982. There were more males than females in the country in 2005: the sex ratio of the population was 111 males for every 100 females. The PHCB 2005 results also indicated that majority of the population, 70%, resided in the rural areas of the country. Thimphu dzongkhag accounted to about 16% of the total population and Thimphu Town accounted for about 13% of the total population. The median age of the population was 22.3 indicating that in 2005 half of the population were below the age of 22.3 years.

The population for 2013 and 2014 were projected to be at 733,004 and 745,153 respectively. Thimphu and Sarpang were estimated to have the highest growth rate at 2.2 and 2.0 respectively while Pemagathsel and Haa were estimated to have the lowest growth rate at 1.2 and 1.4 respectively.

## The interpretations of demographic indicators are:

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

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

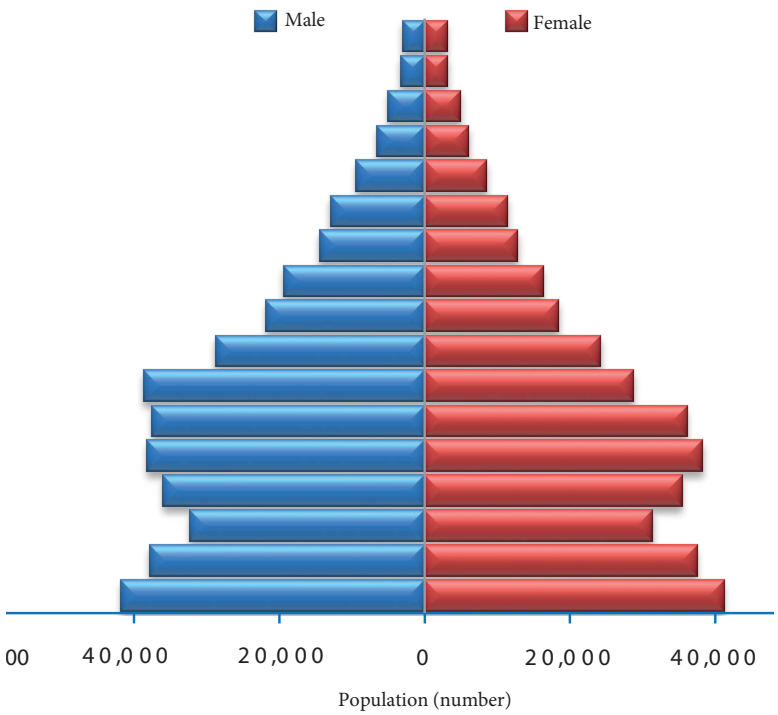
**Maternal Mortality Ratio:** The annual number of deaths of women from pregnancy-related causes per 100,000 live births.

**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 - 64). Child dependency refers to children aged (0 - 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 - 14).

**Population Pyramid, Bhutan 2014**




**Population Pyramid, Bhutan 2030**

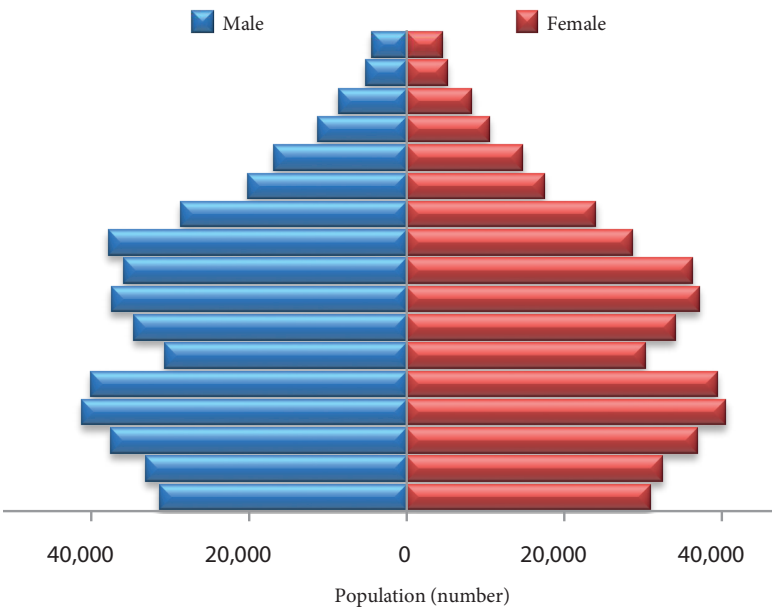


**Table 1.1: Projected Population by Sex, Bhutan (2010 - 2030)**

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

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

**Table 1.2: Projected Population by Age Group and Sex, Bhutan (2013 - 2014)**

(Numbers)

| Age group | 2013 | | | 2014 | | |
|---|---|---|---|---|---|---|
| | Male | Female | Total | Male | Female | Total |
| 0-4 | 41,801 | 41,135 | 82,936 | 41,835 | 41,166 | 83,001 |
| 5-9 | 35,670 | 35,441 | 71,111 | 37,859 | 37,518 | 75,377 |
| 10-14 | 33,224 | 32,141 | 65,365 | 32,309 | 31,348 | 63,657 |
| 15-19 | 36,868 | 36,222 | 73,090 | 36,039 | 35,413 | 71,452 |
| 20-24 | 37,879 | 38,475 | 76,354 | 38,239 | 38,256 | 76,495 |
| 25-29 | 38,429 | 34,676 | 73,105 | 37,516 | 36,136 | 73,652 |
| 30-34 | 37,169 | 27,978 | 65,147 | 38,683 | 28,763 | 67,446 |
| 35-39 | 26,978 | 22,918 | 49,896 | 28,790 | 24,254 | 53,044 |
| 40-44 | 21,490 | 18,071 | 39,561 | 21,811 | 18,414 | 40,225 |
| 45-49 | 18,396 | 15,591 | 33,987 | 19,405 | 16,327 | 35,732 |
| 50-54 | 14,379 | 12,608 | 26,987 | 14,522 | 12,765 | 27,287 |
| 55-59 | 12,590 | 11,061 | 23,651 | 13,021 | 11,419 | 24,440 |
| 60-64 | 8,974 | 8,070 | 17,044 | 9,447 | 8,531 | 17,978 |
| 65-69 | 6,485 | 6,049 | 12,534 | 6,572 | 6,064 | 12,636 |
| 70-74 | 4,986 | 4,850 | 9,836 | 5,065 | 4,989 | 10,054 |
| 75-79 | 3,289 | 3,141 | 6,430 | 3,323 | 3,165 | 6,488 |
| 80+ | 2,975 | 2,995 | 5,970 | 3,084 | 3,105 | 6,189 |
| Total | 381,582 | 351,422 | 733,004 | 387,520 | 357,633 | 745,153 |

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

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

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

Source: Socio-Economic and Demographic Indicators 2005, NSB

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

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

Source: Socio-Economic and Demographic Indicators 2005, NSB

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

| Dzongkhag | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 |
|---|---|---|---|---|---|---|---|
| Bumthang | 26.7 | 134.3 | 138.0 | 103.3 | 63.1 | 27.4 | 9.4 |
| Chhukha | 32.8 | 121.0 | 114.0 | 69.6 | 39.3 | 28.8 | 6.2 |
| Dagana | 58.7 | 193.5 | 138.3 | 114.4 | 64.0 | 45.8 | 11.8 |
| Gasa | 37.3 | 240.3 | 138.5 | 106.8 | 54.1 | 49.2 | 0 |
| Haa | 28.1 | 144.4 | 147.7 | 74.9 | 40.9 | 47.8 | 8.4 |
| Lhuentse | 37.9 | 193.8 | 137.4 | 103.4 | 89.4 | 37.0 | 14.7 |
| Monggar | 44.4 | 153.4 | 172.4 | 108.7 | 70.2 | 35.5 | 11.2 |
| Paro | 22.0 | 107.2 | 129.3 | 86.7 | 45.8 | 19.5 | 7.0 |
| Pema Gatshel | 28.2 | 169.2 | 139.3 | 88.5 | 75.2 | 48.2 | 10.1 |
| Punakha | 29.0 | 149.2 | 145.1 | 115.6 | 65.9 | 35.6 | 7.3 |
| Samdrup Jongkhar | 45.1 | 161.8 | 146.6 | 99.4 | 52.5 | 40.2 | 15.4 |
| Samtse | 50.5 | 138.1 | 131.7 | 73.0 | 40.2 | 23.7 | 9.2 |
| Sarpang | 45.6 | 147.9 | 135.0 | 74.8 | 34.6 | 10.9 | 7.7 |
| Thimphu | 22.4 | 101.3 | 139.9 | 74.9 | 41.3 | 19.6 | 6.0 |
| Trashigang | 35.9 | 151.6 | 168.2 | 100.4 | 73.0 | 46.5 | 14.8 |
| Trashi Yangtse | 38.7 | 182.8 | 190.9 | 138.8 | 92.5 | 50.1 | 9.6 |
| Trongsa | 55.5 | 168.5 | 147.2 | 97.7 | 72.8 | 33.9 | 21.9 |
| Tsirang | 48.3 | 148.2 | 145.4 | 89.2 | 59.4 | 27.0 | 13.7 |
| Wangdue Phodrang | 35.3 | 168.1 | 151.7 | 107.3 | 65.5 | 24.6 | 4.6 |
| Zhemgang | 39.2 | 170.2 | 153.1 | 103.0 | 64.7 | 51.8 | 16.6 |
| Urban | 22.1 | 115.3 | 138.8 | 78.1 | 39.5 | 18.8 | 7.1 |
| Rural | 44.9 | 154.4 | 143.2 | 95.3 | 61.3 | 35.3 | 10.7 |
| Bhutan | 36.5 | 138.9 | 141.6 | 89.4 | 54.5 | 31.3 | 9.9 |

Source: Socio-Economic and Demographic Indicators 2005, NSB

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

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

Source: Socio-Economic and Demographic Indicators 2005, NSB

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

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

Source: Socio-Economic and Demographic Indicators 2005, NSB

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

| Dzongkhag | IMR (< 1 yr) | CMR (1-4 yr) | U5MR (< 5 yr) |
|---|---|---|---|
| Bumthang | 28.1 | 10.5 | 38.6 |
| Chhukha | 30.4 | 58.5 | 88.9 |
| Dagana | 46.3 | 25.9 | 72.2 |
| Gasa | 0.0 | 13.9 | 13.9 |
| Haa | 14.6 | 39.0 | 53.7 |
| Lhuentse | 49.8 | 12.5 | 62.3 |
| Monggar | 50.5 | 20.4 | 70.9 |
| Paro | 21.2 | 6.5 | 27.7 |
| Pema Gatshel | 36.8 | 12.3 | 49 |
| Punakha | 28.0 | 6.5 | 34.5 |
| Samdrup Jongkhar | 69.1 | 18.0 | 87 |
| Samtse | 33.8 | 22.8 | 56.7 |
| Sarpang | 51.0 | 22.1 | 73.1 |
| Thimphu | 30.8 | 13.7 | 44.5 |
| Trashigang | 64.5 | 24.1 | 88.6 |
| Trashi Yangtse | 30.5 | 11.7 | 42.3 |
| Trongsa | 41.1 | 3.4 | 44.5 |
| Tsirang | 23.4 | 13.0 | 36.5 |
| Wangdue Phodrang | 53.8 | 18.5 | 72.3 |
| Zhemgang | 34.4 | 23.8 | 58.2 |
| Bhutan | 40.1 | 21.5 | 61.6 |

Source: Socio-Economic and Demographic Indicators 2005, NSB

# HEALTH

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

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

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

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

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

As of 2013, there were 32 hospitals, 205 BHUs and over 519 ORCs spread across 20 dzongkhags and 205 gewogs providing primary health care services. Besides the allopathic system, there exists a well established network of Indigenous medical facilities and services integrated within the main health systems. The Institute of Traditional Medicine Services (ITMS) serves as the institution for the promotion of traditional medicine such as providing training and research of the Indigenous Physicians (Drungtshos) and sMenpas (Sowa Menpas).

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

**Health Personnel by Category, Bhutan (2010 & 2013)**

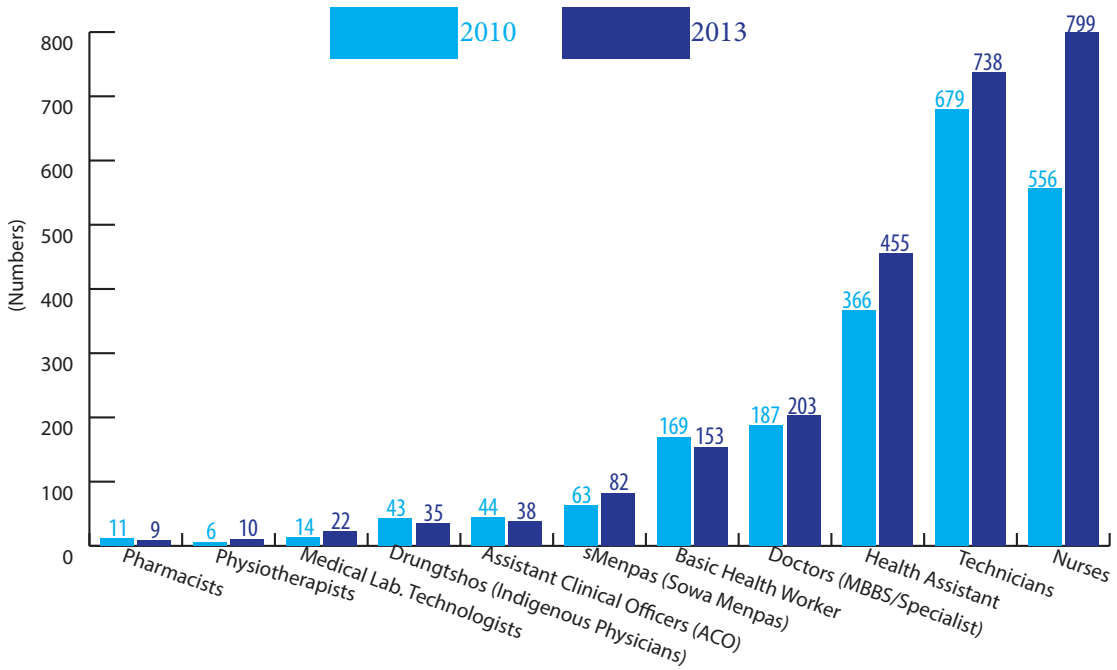


**Table 2.1: Summary of Health Facilities and Personnel, Bhutan (2008-2013)**

(Numbers)

| Facilities | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|
| Number of Hospitals [1] | 31 | 31 | 31 | 31 | 32 | 32 |
| Number of Basic Health Units [2] | 178 | 181 | 181 | 184 | 192 | 205 |
| Number of Outreach Clinics | 519 | 518 | 518 | 517 | 550 [3] | 519 |
| Number of Indigenous Units | 35 | 37 | 38 | 46 | 48 | 49 |
| Persons per doctor | 3,924 | 3,883 | 3,844 | 3,849 | 3,754 | 3,670 |
| Ratio of beds per nurse | 2.1 | 2.1 | 2.3 | 1.8 | 1.7 | 1.6 |
| Ratio of nurses per doctor | 3.3 | 3.2 | 3.0 | 4.0 | 3.8 | 3.9 |
| Doctors per 10,000 persons | 2.5 | 2.6 | 2.7 | 2.6 | 2.7 | 2.8 |
| Nurses per (10,000) persons | 8.4 | 8.1 | 8.0 | 10.2 | 10.2 | 10.7 |
| Persons per hospital bed | 576 | 576 | 587 | 555 | 564 | 574 |
| Number of hospital beds available | 1,166 | 1,186 | 1,186 | 1,277 | 1,277 | 1,277 |
| Hospital bed per 10,000 persons | 17 | 17 | 17 | 18 | 18 | 17 |
| Proportion of population within 3 hrs walking distance of a health facility (%) | 90 | >90 | >90 | >90 | >90 | >90 |
| Population access to safe drinking water (%) | 83.2 | 83.0 | 88.0 | 88.0 | 94.0 | 95.5 |
| Deliveries attended by trained personnel(%) | 66 | 66 | 70 | 70 | 81 | 89 |

[1] Indigenous hospital included under hospital
[2] Satellite Clinics included under BHU
[3] Including 82 ORCs without shed
Source: Annual Health Bulletin 2014, MoH, Thimphu.

**Table 2.2: Type of Health Facilities by Dzongkhag, Bhutan 2013**

(Numbers)

| Dzongkhag | Facility Type | | | | | ORC with shed | ORC without shed |
|---|---|---|---|---|---|---|---|
| | Hospital | BHU I | BHU | Sub-post | Indigenous Unit | | |
| Bumthang | 1 | 0 | 5 | 0 | 3 | 11 | 1 |
| Chhukha | 3 | 2 | 12 | 1 | 4 | 24 | 15 |
| Dagana | 1 | 2 | 7 | 0 | 3 | 17 | 4 |
| Gasa | 0 | 1 | 3 | 0 | 1 | 2 | 7 |
| Haa | 1 | 1 | 3 | 0 | 1 | 8 | 7 |
| Lhuentse | 1 | 0 | 14 | 0 | 2 | 30 | 0 |
| Monggar | 1 | 1 | 20 | 6 | 4 | 46 | 3 |
| Paro | 1 | 0 | 3 | 0 | 1 | 21 | 4 |
| Pema Gatshel | 1 | 1 | 12 | 6 | 4 | 25 | 4 |
| Punakha | 1 | 0 | 7 | 0 | 1 | 10 | 1 |
| Samdrup Jongkhar | 2 | 3 | 7 | 0 | 5 | 27 | 4 |
| Samtse | 3 | 0 | 13 | 0 | 2 | 38 | 0 |
| Sarpang | 2 | 0 | 13 | 0 | 1 | 12 | 2 |
| Thimphu | 5 [1] | 1 | 12 [2] | 0 | 1 | 6 | 16 |
| Trashigang | 3 | 4 | 15 | 3 | 4 | 51 | 0 |
| Trashi Yangtse | 1 | 1 | 6 | 2 | 2 | 26 | 2 |
| Trongsa | 1 | 0 | 6 | 3 | 3 | 21 | 0 |
| Tsirang | 1 | 0 | 7 | 0 | 1 | 12 | 1 |
| Wangdue Phodrang | 2 | 1 | 8 | 2 | 2 | 21 | 5 |
| Zhemgang | 1 | 2 | 12 | 0 | 4 | 29 | 6 |
| Total | 32 | 20 | 185 | 23 | 49 | 437 | 82 |

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

**Table 2.3: Health Personnel by Category, Bhutan (2008-2013)**

(Numbers)

| Health personnel | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|
| Doctors (MBBS/Specialist) [1] | 171 | 176 | 187 | 181 | 194 | 203 |
| Assistant Clinical Officers (ACO) | 43 | 45 | 44 | 41 | 39 | 38 |
| Nurses (Assistant Nurse/GNM/B.Sc. Nurse) | 567 | 556 | 556 | 723 | 736 | 799 |
| Health Assistant | 425 | 505 | 366 | 408 | 416 | 455 |
| Basic Health Worker | | | 169 | 164 | 162 | 153 |
| Drungtshos (Indigenous Physicians) | 36 | 41 | 43 | 38 | 35 | 35 |
| sMenpas (Sowa Menpas) | 54 | 52 | 63 | 56 | 63 | 82 |
| Pharmacists | 14 | 12 | 11 | 11 | 11 | 9 |
| Medical Lab. Technologists | 10 | 13 | 14 | 14 | 27 | 22 |
| Physiotherapists | ... | ... | 6 | 6 | 10 | 10 |
| Technicians | 453 | 549 | 679 | 681 | 780 | 738 |

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

**Table 2.4: Top Ten Morbidity, Bhutan 2013**

(Numbers)

| Diseases | 2013 |
|---|---|
| Common Cold | 271,664 |
| Skin Infections | 96,433 |
| Other Musculo-skeletal disorders | 89,240 |
| Other Diseases of the Digestive System | 82,156 |
| Other Disorders of Skin & Subcutaneous-tissues | 81,141 |
| Peptic Ulcer Syndrome | 68,991 |
| Acute Pharyngitis/Tonsilitis | 64,883 |
| Other Nervous including Peripheral Disorders | 58,897 |
| Other Respiratory & Nose Diseases | 54,284 |
| Diarrhoea | 51,373 |

Source: Annual Health Bulletin 2014, MoH, Thimphu.

**Table 2.5: Top Ten Inpatient Hospital Mortality, Bhutan 2013**

(Numbers)

| Diseases | 2013 |
|---|---|
| Alcohol Liver Diseases | 102 |
| Other Circulatory Diseases | 95 |
| Other Respiratory & Nose Diseases | 81 |
| Other Infections (excluding ear, brain, STI) | 58 |
| Pneumonia | 42 |
| Other Diseases of the Digestive System | 42 |
| Other Cancers | 32 |
| Neonatal Death | 28 |
| Cerebro-vascular Diseases | 24 |
| Conditions Originating in the Perinatal Period | 23 |

Source: Annual Health Bulletin 2014, MoH, Thimphu.

## Table 2.6: Total Morbidity by Sex, Bhutan 2013

(Numbers)

| Name of Diseases | Under 1 Year | | 1 – 4 Years | | 5 – 14 Years | | 15 – 49 Years | | 50 - 64 Years | | 65 + Years | | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | |
| Infections | | | | | | | | | | | | | |
| Diarrhoea | 2,639 | 2,295 | 5,911 | 5,137 | 6,430 | 5,837 | 9,191 | 8,451 | 1,730 | 1,668 | 1,045 | 1,039 | 51,373 |
| Dysentery | 346 | 327 | 1,080 | 935 | 1,159 | 968 | 3,006 | 2,691 | 692 | 634 | 434 | 406 | 12,678 |
| Tuberculosis | 0 | 0 | 0 | 6 | 11 | 17 | 383 | 354 | 60 | 53 | 35 | 35 | 954 |
| Genital Ulcer/Bubo | 1 | 0 | 1 | 1 | 1 | 4 | 100 | 128 | 10 | 10 | 0 | 0 | 256 |
| Urethal/Vaginal Discharges | 0 | 1 | 7 | 5 | 7 | 16 | 1,239 | 1,519 | 72 | 76 | 11 | 7 | 2,960 |
| Other Sexually Transmitted Disease, excluding HIV/AIDS | 0 | 2 | 3 | 4 | 6 | 9 | 580 | 463 | 43 | 21 | 9 | 3 | 1,143 |
| Rickettsial Disease | 3 | 1 | 21 | 20 | 26 | 28 | 111 | 116 | 9 | 9 | 1 | 6 | 351 |
| Viral, Protozoal & Helminthic disease | | | | | | | | | | | | | |
| Chicken Pox | 34 | 44 | 172 | 167 | 801 | 742 | 282 | 251 | 9 | 12 | 4 | 2 | 2,520 |
| Viral Hepatitis | 11 | 9 | 26 | 24 | 89 | 90 | 126 | 120 | 16 | 10 | 10 | 6 | 537 |
| Plasmodium falciparum malaria | 0 | 1 | 1 | 0 | 2 | 1 | 19 | 11 | 4 | 3 | 2 | 2 | 46 |
| Other Malaria | 0 | 0 | 1 | 0 | 2 | 1 | 28 | 9 | 0 | 1 | 0 | 0 | 42 |
| Visceral Leishmaniasis | 0 | 0 | 12 | 3 | 16 | 10 | 14 | 18 | 9 | 1 | 3 | 1 | 87 |
| Intestinal Worms | 28 | 35 | 507 | 498 | 845 | 820 | 1,461 | 1,651 | 383 | 338 | 173 | 130 | 6,869 |
| Scabies | 81 | 97 | 395 | 386 | 1,741 | 1,157 | 1,947 | 1,491 | 354 | 247 | 221 | 150 | 8,267 |
| Streptococcus Group A | 0 | 1 | 2 | 2 | 4 | 8 | 18 | 4 | 0 | 0 | 0 | 0 | 39 |
| Other Infections (excluding ear, brain, STI) | 433 | 361 | 891 | 843 | 1,562 | 1,488 | 3,654 | 4,297 | 733 | 652 | 344 | 306 | 15,564 |

*(continued on next page)*

**Table 2.6: Total Morbidity by Sex, Bhutan 2013** *(continued)*

(Numbers)

| Name of Diseases | Under 1 Year | | 1 – 4 Years | | 5 – 14 Years | | 15 – 49 Years | | 50 - 64 Years | | 65 + Years | | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | |
| Neoplasm | | | | | | | | | | | | | |
| Cervical Cancer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 36 | 0 | 0 | 52 |
| Other Cancers | 0 | 2 | 2 | 1 | 3 | 6 | 62 | 98 | 99 | 107 | 140 | 83 | 603 |
| Blood diseases | | | | | | | | | | | | | |
| Neoplasm (benign + CIS) | 5 | 2 | 6 | 3 | 4 | 6 | 40 | 108 | 22 | 30 | 39 | 3 | 268 |
| Nutritional Anaemia | 39 | 36 | 203 | 219 | 576 | 896 | 3,073 | 6,399 | 683 | 1,194 | 563 | 656 | 14,537 |
| Blood & Immune Disorders | 7 | 5 | 25 | 39 | 41 | 53 | 218 | 431 | 82 | 95 | 49 | 59 | 1,104 |
| Endocrine, Metabolic & Nutritional | | | | | | | | | | | | | |
| Diabetes | 0 | 0 | 2 | 2 | 1 | 5 | 979 | 1,013 | 1,150 | 1,214 | 769 | 755 | 5,890 |
| Malnutrition (exclude child clinic attendance) | 11 | 13 | 36 | 60 | 56 | 39 | 91 | 112 | 17 | 13 | 16 | 16 | 480 |
| Other Nutritional & Metabolic Disorders | 23 | 19 | 72 | 99 | 104 | 113 | 390 | 582 | 73 | 82 | 46 | 59 | 1,662 |
| Mental disorders | | | | | | | | | | | | | |
| Mental and behavioral disorder due to alcohol | 0 | 0 | 0 | 0 | 0 | 0 | 417 | 199 | 88 | 33 | 22 | 15 | 774 |
| Mental and behavioral disorder due to multiple drug use & other use of psychoactive substances | 0 | 0 | 0 | 0 | 1 | 0 | 96 | 29 | 7 | 2 | 2 | 0 | 137 |
| Psychosis | 0 | 0 | 1 | 0 | 0 | 1 | 41 | 53 | 16 | 11 | 5 | 4 | 132 |
| Depression | 0 | 1 | 0 | 2 | 2 | 6 | 191 | 314 | 65 | 50 | 11 | 11 | 653 |

*(continued on next page)*

**Table 2.6: Total Morbidity by Sex, Bhutan 2013** *(continued)*

(Numbers)

| Name of Diseases | Under 1 Year | | 1 – 4 Years | | 5 – 14 Years | | 15 – 49 Years | | 50 - 64 Years | | 65 + Years | | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | |
| Anxiety | 0 | 4 | 2 | 3 | 7 | 18 | 181 | 321 | 53 | 46 | 9 | 10 | 654 |
| Other Mental Disorders | 7 | 1 | 2 | 8 | 20 | 56 | 367 | 537 | 67 | 60 | 18 | 27 | 1,170 |
| Disease of Nervous system | | | | | | | | | | | | | |
| Meningitis/Encephalitis | 44 | 31 | 10 | 16 | 26 | 13 | 57 | 72 | 14 | 11 | 3 | 5 | 302 |
| Epilepsy | 7 | 13 | 52 | 36 | 89 | 79 | 395 | 400 | 53 | 37 | 26 | 14 | 1,201 |
| Other Nervous inlcuding Peripheral Disorders | 100 | 134 | 423 | 433 | 2,928 | 3,676 | 14,043 | 25,666 | 3,628 | 4,337 | 1,722 | 1,807 | 58,897 |
| Eye & Ear Diseases | | | | | | | | | | | | | |
| Conjunctivitis | 1,004 | 962 | 1,700 | 1,579 | 3,836 | 3,970 | 9,518 | 11,670 | 2,079 | 2,309 | 1,318 | 1,422 | 41,367 |
| Cataract | 11 | 7 | 10 | 13 | 72 | 61 | 202 | 262 | 325 | 308 | 302 | 285 | 1,858 |
| Other Eye Disorders | 467 | 502 | 1,060 | 1,072 | 3,139 | 3,691 | 11,328 | 15,161 | 2,854 | 3,572 | 2,424 | 2,492 | 47,762 |
| Otitis Media | 422 | 418 | 1,049 | 1,113 | 2,389 | 2,106 | 3,132 | 2,991 | 427 | 342 | 195 | 173 | 14,757 |
| Other Ear Disorders | 212 | 222 | 648 | 784 | 2,067 | 1,999 | 4,046 | 4,538 | 718 | 707 | 418 | 414 | 16,773 |
| Diseases of Circulatory System | | | | | | | | | | | | | |
| Rheumatic Heart Disease | 1 | 2 | 4 | 7 | 21 | 16 | 119 | 176 | 98 | 75 | 81 | 64 | 664 |
| Hypertension | 0 | 0 | 0 | 0 | 66 | 281 | 5,282 | 7,539 | 4,703 | 5,335 | 3,347 | 3,409 | 29,962 |
| Ischaemic Heart Diseases | 0 | 0 | 0 | 0 | 8 | 0 | 43 | 56 | 41 | 44 | 52 | 46 | 290 |
| Cerebro-vascular Diseases | 0 | 0 | 0 | 0 | 0 | 1 | 38 | 26 | 48 | 105 | 110 | 74 | 402 |
| Other Circulatory Diseases | 77 | 71 | 165 | 153 | 390 | 449 | 1,644 | 2,392 | 599 | 635 | 529 | 650 | 7,754 |
| Respiratory diseases | | | | | | | | | | | | | |
| Common Cold | 9,950 | 9,799 | 20,909 | 20,588 | 29,363 | 31,226 | 55,406 | 62,848 | 10,524 | 10,425 | 5,575 | 5,051 | 271,664 |

*(continued on next page)*

**Table 2.6: Total Morbidity by Sex, Bhutan 2013** *(continued)*

(Numbers)

| Name of Diseases | Under 1 Year | | 1 – 4 Years | | 5 – 14 Years | | 15 – 49 Years | | 50 - 64 Years | | 65 + Years | | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | |
| Acute Pharyngitis/Tonsilitis | 802 | 859 | 2,561 | 2,628 | 6,621 | 7,550 | 16,877 | 19,970 | 2,513 | 2,465 | 1,144 | 893 | 64,883 |
| Pneumonia | 1,879 | 1,727 | 2,864 | 2,483 | 700 | 636 | 526 | 458 | 160 | 192 | 221 | 170 | 12,016 |
| Other Respiratory & Nose Diseases | 1,752 | 1,581 | 2,925 | 2,747 | 4,276 | 4,479 | 11,674 | 13,914 | 2,953 | 3,119 | 2,578 | 2,286 | 54,284 |
| Diseases of the Digestive system | | | | | | | | | | | | | |
| Diseases of Teeth & Gums | 43 | 27 | 431 | 404 | 2,277 | 2,254 | 4,748 | 5,388 | 1,141 | 958 | 553 | 370 | 18,594 |
| Dental Caries | 49 | 75 | 863 | 942 | 4,654 | 4,975 | 10,231 | 12,805 | 2,647 | 2,198 | 1,075 | 773 | 41,287 |
| Peptic Ulcer Syndrome | 71 | 74 | 260 | 240 | 1,831 | 2,376 | 20,523 | 26,553 | 5,575 | 6,288 | 2,484 | 2,716 | 68,991 |
| Acute Appendicitis | 3 | 1 | 3 | 0 | 54 | 46 | 311 | 279 | 82 | 134 | 25 | 24 | 962 |
| Alcohol Liver Diseases | 0 | 0 | 0 | 0 | 0 | 0 | 887 | 640 | 479 | 354 | 172 | 99 | 2,631 |
| Gall Bladder Diseases | 0 | 0 | 3 | 2 | 5 | 4 | 156 | 518 | 59 | 139 | 34 | 68 | 988 |
| Other Diseases of the Digestive System | 882 | 917 | 2,836 | 2,937 | 6,395 | 7,361 | 20,591 | 26,125 | 4,448 | 4,373 | 2,818 | 2,473 | 82,156 |
| Skin Diseases | | | | | | | | | | | | | |
| Skin Infections | 2,069 | 1,969 | 6,540 | 6,302 | 14,449 | 12,372 | 23,048 | 19,802 | 3,823 | 2,879 | 1,857 | 1,323 | 96,433 |
| Other Disorders of Skin & Subcutaneous-tissues | 1,816 | 1,868 | 4,561 | 4,282 | 9,328 | 8,921 | 20,134 | 19,914 | 3,688 | 3,209 | 1,955 | 1,465 | 81,141 |
| Diseases of Musculo-skeletal system & Cogenital Deformities | | | | | | | | | | | | | |
| Arthritis & Arthrosis | 9 | 13 | 93 | 45 | 291 | 202 | 2,902 | 3,058 | 1,335 | 1,281 | 727 | 630 | 10,586 |
| Other Musculo-skeletal disorders | 86 | 89 | 452 | 454 | 2,896 | 2,688 | 27,671 | 28,483 | 8,868 | 8,417 | 4,848 | 4,288 | 89,240 |

*(continued on next page)*

**Table 2.6: Total Morbidity by Sex, Bhutan 2013** *(continued)*

(Numbers)

| Name of Diseases | Under 1 Year | | 1 – 4 Years | | 5 – 14 Years | | 15 – 49 Years | | 50 - 64 Years | | 65 + Years | | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | |
| Genito-Urinary diseases | | | | | | | | | | | | | |
| Cystitis | 16 | 16 | 79 | 82 | 119 | 123 | 835 | 1,967 | 145 | 285 | 122 | 143 | 3,932 |
| Infection of Breasts, including Puerperium | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 603 | 0 | 28 | 0 | 7 | 657 |
| Other Disease of the Breast | 1 | 2 | 1 | 3 | 6 | 25 | 19 | 1,367 | 4 | 26 | 1 | 5 | 1,460 |
| Pelvic Inflammatory Disease | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 570 | 0 | 40 | 0 | 3 | 623 |
| Menstrual Disturbances | 0 | 0 | 0 | 0 | 0 | 150 | 0 | 4,534 | 0 | 220 | 0 | 23 | 4,927 |
| Other Kidney, UT/ Genital Disorders | 59 | 50 | 505 | 490 | 1,159 | 1,307 | 6,515 | 19,105 | 1,445 | 2,272 | 800 | 785 | 34,492 |
| Pregnancy, Childbirth and Puerperium | | | | | | | | | | | | | |
| Abortions | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1,341 | 0 | 0 | 0 | 0 | 1,342 |
| Pregnancy Induced Hypertension | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 457 | 0 | 0 | 0 | 0 | 457 |
| Ante-Partum Haemorrhage & Placenta Previa | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 97 | 0 | 0 | 0 | 0 | 98 |
| Malpresentation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 97 | 0 | 0 | 0 | 0 | 97 |
| Prolonged Labour | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 568 | 0 | 0 | 0 | 0 | 569 |
| Obstructed Labour | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 217 | 0 | 0 | 0 | 0 | 217 |
| Post Partum Haemorrhage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 94 | 0 | 0 | 0 | 0 | 94 |
| Retained Placenta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 165 | 0 | 0 | 0 | 0 | 165 |
| Puerperal Sepsis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 73 | 0 | 0 | 0 | 0 | 73 |

*(continued on next page)*

**Table 2.6: Total Morbidity by Sex, Bhutan 2013** *(continued)*

(Numbers)

| Name of Diseases | Under 1 Year | | 1 – 4 Years | | 5 – 14 Years | | 15 – 49 Years | | 50 - 64 Years | | 65 + Years | | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | |
| Other complications of pregnancy | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 8,887 | 0 | 0 | 0 | 0 | 8,916 |
| Perinatal Conditions | | | | | | | | | | | | | |
| Low Birth Weight | 121 | 113 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 234 |
| Foetal Death & Stillbirth | 15 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| Neonatal Death | 37 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 72 |
| Conditions Orginating in the Perinatal Period | 943 | 840 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,783 |
| Malformations | | | | | | | | | | | | | |
| Malformations | 71 | 80 | 40 | 26 | 21 | 25 | 21 | 27 | 7 | 5 | 4 | 1 | 328 |
| Injuries & Trauma | | | | | | | | | | | | | |
| Mushroom Poisoning (Toxic effect of other unspecified susbstances) | 3 | 1 | 19 | 18 | 39 | 26 | 113 | 93 | 20 | 15 | 6 | 4 | 357 |
| Transport Accidents | 3 | 5 | 42 | 33 | 129 | 67 | 1,099 | 392 | 138 | 67 | 34 | 22 | 2,031 |
| Accidental Falls | 39 | 22 | 384 | 296 | 1,346 | 678 | 2,491 | 1,316 | 503 | 371 | 283 | 179 | 7,908 |
| Other Bites & Stings | 30 | 22 | 236 | 205 | 645 | 471 | 1,088 | 983 | 240 | 185 | 61 | 61 | 4,227 |
| Dog Bite | 6 | 8 | 291 | 195 | 1,112 | 699 | 1,431 | 1,053 | 297 | 228 | 155 | 98 | 5,573 |
| Drowning & Submersion | 0 | 1 | 2 | 0 | 3 | 4 | 10 | 12 | 5 | 1 | 2 | 1 | 41 |
| Exposure to Electric Current | 0 | 0 | 3 | 1 | 7 | 2 | 41 | 12 | 6 | 2 | 0 | 0 | 74 |
| Contact with Heat & Hot substances & exposure to smoke, fire, flames | 52 | 39 | 333 | 303 | 369 | 282 | 600 | 550 | 106 | 78 | 45 | 29 | 2,786 |

*(continued on next page)*

**Table 2.6: Total Morbidity by Sex, Bhutan 2013** *(continued)*

(Numbers)

| Name of Diseases | Under 1 Year | | 1 – 4 Years | | 5 – 14 Years | | 15 – 49 Years | | 50 - 64 Years | | 65 + Years | | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | |
| Snake Bite | 0 | 0 | 0 | 2 | 9 | 8 | 75 | 60 | 13 | 12 | 10 | 2 | 191 |
| Contact with Venomous animals (excluding Snake bite) | 1 | 0 | 10 | 7 | 12 | 6 | 21 | 28 | 6 | 6 | 2 | 4 | 103 |
| Intentional Self Harm | 0 | 0 | 7 | 6 | 40 | 36 | 312 | 205 | 39 | 20 | 14 | 3 | 682 |
| Work Related Injuries | 17 | 17 | 407 | 293 | 3,397 | 1,699 | 13,231 | 5,783 | 2,284 | 1,024 | 775 | 376 | 29,303 |
| Others (injuries other than above & unknown cause of injury) | 63 | 64 | 906 | 634 | 3,850 | 1,868 | 7,623 | 4,232 | 1,300 | 668 | 480 | 304 | 21,992 |
| Other Conditions | | | | | | | | | | | | | |
| Complications of Health Care | 5 | 12 | 17 | 12 | 75 | 66 | 211 | 408 | 42 | 34 | 30 | 20 | 932 |
| ANC, Immunisation & Other counseling | 1,094 | 1,226 | 1,580 | 1,647 | 1,148 | 1,365 | 16,132 | 17,636 | 701 | 600 | 203 | 179 | 43,511 |
| Total | 28,000 | 27,181 | 64,665 | 61,980 | 125,174 | 122,795 | 345,705 | 416,422 | 77,729 | 77,143 | 43,601 | 39,524 | 1,429,919 |
| Total Old Cases all causes (Includes total Old & repeated visit/episode cases) | | | | | | | | | | | | | 568,740 |

Source: Annual Health Bulletin 2014, MoH, Thimphu.

## Table 2.7: Inpatient Cases in all Hospitals, Bhutan 2013

(Numbers)

| Indicators | Under 1 Year | | 1 – 4 Years | | 5 – 14 Years | | 15 – 49 Years | | 50 - 64 Years | | 65 + Years | | Total | Death |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | | |
| Infections | | | | | | | | | | | | | | |
| Diarrhoea | 104 | 66 | 217 | 176 | 126 | 97 | 270 | 292 | 70 | 93 | 39 | 79 | 1,629 | 1 |
| Dysentery | 6 | 7 | 40 | 27 | 17 | 18 | 58 | 47 | 10 | 8 | 6 | 8 | 252 | 1 |
| Tuberculosis | 0 | 0 | 0 | 2 | 6 | 5 | 282 | 222 | 39 | 39 | 25 | 20 | 640 | 13 |
| Genital Ulcer/Bubo | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 0 | 0 | 0 | 0 | 11 | 0 |
| Urethal/Vaginal Discharges | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 9 | 1 | 0 | 0 | 0 | 22 | 0 |
| Other Sexually Transmitted Disease, excluding HIV/AIDS | 0 | 1 | 0 | 2 | 1 | 2 | 22 | 18 | 5 | 3 | 2 | 1 | 57 | 1 |
| Rickettsial Disease | 2 | 1 | 17 | 15 | 18 | 13 | 40 | 53 | 3 | 4 | 0 | 3 | 169 | 0 |
| Viral, Protozoal & Helminthic disease | | | | | | | | | | | | | | |
| Chicken Pox | 0 | 1 | 2 | 1 | 11 | 11 | 8 | 13 | 0 | 0 | 0 | 0 | 47 | 0 |
| Viral Hepatitis | 6 | 1 | 7 | 11 | 27 | 27 | 45 | 34 | 11 | 5 | 7 | 5 | 186 | 1 |
| Plasmodium falciparum malaria | 0 | 0 | 0 | 0 | 1 | 1 | 13 | 1 | 3 | 0 | 0 | 0 | 19 | 0 |
| Other Malaria | 0 | 0 | 0 | 0 | 2 | 0 | 8 | 3 | 0 | 0 | 0 | 0 | 13 | 0 |
| Visceral Leishmaniasis (Kala-azar) | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 3 | 0 | 2 | 1 | 10 | 1 |
| Intestinal Worms | 1 | 0 | 1 | 0 | 2 | 0 | 1 | 6 | 1 | 1 | 0 | 0 | 13 | 0 |
| Scabies | 4 | 3 | 4 | 1 | 9 | 5 | 7 | 2 | 0 | 0 | 0 | 0 | 35 | 0 |

*(continued on next page)*

**Table 2.7: Inpatient Cases in all Hospitals, Bhutan 2013** *(continued)*

(Numbers)

| Indicators | Under 1 Year | | 1 – 4 Years | | 5 – 14 Years | | 15 – 49 Years | | 50 - 64 Years | | 65 + Years | | Total | Death |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | | |
| Streptococcus Group A | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Other Infections (excluding ear, brain, STI) | 123 | 99 | 136 | 117 | 168 | 120 | 375 | 503 | 84 | 80 | 53 | 45 | 1,903 | 58 |
| Neoplasm | | | | | | | | | | | | | | |
| Cervical Cancer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 9 | 0 | 0 | 16 | 3 |
| Other Cancers | 0 | 0 | 1 | 1 | 0 | 3 | 16 | 22 | 34 | 26 | 42 | 21 | 166 | 32 |
| Blood diseases | | | | | | | | | | | | | | |
| Neoplasm (benign + CIS) | 0 | 0 | 1 | 0 | 1 | 0 | 7 | 19 | 5 | 5 | 5 | 0 | 43 | 2 |
| Nutritional Anaemia | 9 | 5 | 23 | 16 | 15 | 22 | 95 | 249 | 37 | 31 | 53 | 51 | 606 | 8 |
| Blood & Immune Disorders | 4 | 2 | 3 | 4 | 5 | 4 | 27 | 30 | 7 | 5 | 8 | 2 | 101 | 2 |
| Endocrine, Metabolic & Nutritional | | | | | | | | | | | | | | |
| Diabetes | 0 | 0 | 0 | 0 | 0 | 1 | 107 | 67 | 94 | 100 | 73 | 88 | 530 | 18 |
| Malnutrition (exclude child clinic attendance) | 7 | 9 | 9 | 14 | 3 | 3 | 3 | 1 | 1 | 0 | 2 | 1 | 53 | 1 |
| Other Nutritional & Metabolic Disorders | | | | | | | | | | | | | | |
| | 7 | 6 | 7 | 4 | 2 | 6 | 25 | 28 | 10 | 9 | 8 | 9 | 121 | 5 |
| Mental disorders | | | | | | | | | | | | | | |

*(continued on next page)*

**Table 2.7: Inpatient Cases in all Hospitals, Bhutan 2013** *(continued)*

(Numbers)

| Indicators | Under 1 Year | | 1 – 4 Years | | 5 – 14 Years | | 15 – 49 Years | | 50 - 64 Years | | 65 + Years | | Total | Death |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | | |
| Mental and behavioral disorder due to alcohol | 0 | 0 | 0 | 0 | 0 | 0 | 169 | 56 | 35 | 14 | 8 | 3 | 285 | 1 |
| Mental and behavioral disorder due to multiple drug use & other use of psychoactive substances | 0 | 0 | 0 | 0 | 0 | 0 | 35 | 7 | 2 | 1 | 1 | 0 | 46 | 0 |
| Psychosis | 0 | 0 | 0 | 0 | 0 | 1 | 16 | 9 | 5 | 2 | 1 | 2 | 36 | 0 |
| Depression | 0 | 0 | 0 | 0 | 0 | 1 | 36 | 39 | 4 | 6 | 2 | 4 | 92 | 0 |
| Anxiety | 0 | 0 | 0 | 0 | 0 | 8 | 31 | 38 | 1 | 6 | 0 | 1 | 85 | 0 |
| Other Mental Disorders | 1 | 0 | 0 | 1 | 4 | 10 | 41 | 57 | 4 | 8 | 3 | 6 | 135 | 0 |
| Disease of Nervous system | | | | | | | | | | | | | | |
| Meningitis/Encephalitis | 32 | 21 | 10 | 11 | 19 | 6 | 23 | 16 | 3 | 1 | 0 | 3 | 145 | 10 |
| Epilepsy | 4 | 6 | 13 | 5 | 16 | 10 | 62 | 47 | 5 | 6 | 7 | 5 | 186 | 4 |
| Other Nervous including Peripheral Disorders | 9 | 7 | 11 | 9 | 36 | 24 | 304 | 356 | 61 | 49 | 24 | 25 | 915 | 15 |
| Eye & Ear Diseases | | | | | | | | | | | | | | |
| Conjunctivitis | 5 | 6 | 5 | 4 | 12 | 5 | 32 | 25 | 3 | 2 | 1 | 5 | 105 | 0 |
| Cataract | 0 | 0 | 1 | 0 | 1 | 4 | 10 | 8 | 12 | 19 | 37 | 41 | 133 | 0 |
| Other Eye Disorders | 10 | 8 | 23 | 24 | 23 | 18 | 124 | 65 | 31 | 32 | 34 | 28 | 420 | 0 |

*(continued on next page)*

**Table 2.7: Inpatient Cases in all Hospitals, Bhutan 2013** *(continued)*

(Numbers)

| Indicators | Under 1 Year | | 1 – 4 Years | | 5 – 14 Years | | 15 – 49 Years | | 50 - 64 Years | | 65 + Years | | Total | Death |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | | |
| Otitis Media | 9 | 9 | 7 | 8 | 16 | 12 | 33 | 22 | 2 | 1 | 1 | 1 | 121 | 0 |
| Other Ear Disorders | 4 | 9 | 6 | 22 | 20 | 17 | 54 | 53 | 1 | 3 | 1 | 4 | 194 | 0 |
| Diseases of Circulatory System | | | | | | | | | | | | | | |
| Rheumatic Heart Disease | 1 | 0 | 1 | 3 | 2 | 2 | 33 | 59 | 13 | 16 | 17 | 8 | 155 | 4 |
| Hypertension | 0 | 0 | 0 | 0 | 4 | 0 | 270 | 242 | 216 | 203 | 278 | 248 | 1,461 | 15 |
| Ischaemic Heart Diseases | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 7 | 8 | 4 | 14 | 8 | 50 | 7 |
| Cerebro-vascular Diseases | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 8 | 28 | 33 | 68 | 44 | 202 | 24 |
| Other Circulatory Diseases | 31 | 17 | 10 | 13 | 14 | 19 | 114 | 122 | 59 | 76 | 163 | 207 | 845 | 95 |
| Respiratory diseases | | | | | | | | | | | | | | |
| Common Cold | 124 | 96 | 270 | 194 | 144 | 112 | 338 | 320 | 55 | 63 | 38 | 47 | 1,801 | 2 |
| Acute Pharyngitis/Tonsilitis | 22 | 28 | 64 | 73 | 108 | 114 | 284 | 310 | 43 | 25 | 15 | 17 | 1,103 | 1 |
| Pneumonia | 383 | 328 | 413 | 327 | 97 | 94 | 114 | 81 | 55 | 50 | 100 | 73 | 2,115 | 53 |
| Other Respiratory & Nose Diseases | 412 | 242 | 372 | 298 | 154 | 99 | 381 | 421 | 210 | 255 | 424 | 380 | 3,648 | 81 |
| Diseases of the Digestive system | | | | | | | | | | | | | | |
| Diseases of Teeth & Gums | 4 | 5 | 15 | 8 | 21 | 14 | 67 | 49 | 16 | 6 | 3 | 3 | 211 | 0 |
| Dental Caries | 0 | 0 | 9 | 12 | 24 | 10 | 44 | 29 | 10 | 4 | 1 | 0 | 143 | 0 |

*(continued on next page)*

**Table 2.7: Inpatient Cases in all Hospitals, Bhutan 2013** *(continued)*

(Numbers)

| Indicators | Under 1 Year | | 1 – 4 Years | | 5 – 14 Years | | 15 – 49 Years | | 50 - 64 Years | | 65 + Years | | Total | Death |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | | |
| Peptic Ulcer Syndrome | 0 | 0 | 3 | 2 | 22 | 35 | 428 | 633 | 114 | 109 | 60 | 90 | 1,496 | 3 |
| Acute Appendicitis | 0 | 1 | 1 | 0 | 28 | 20 | 113 | 69 | 18 | 8 | 4 | 5 | 267 | 1 |
| Alcohol Liver Diseases | 0 | 0 | 0 | 0 | 0 | 0 | 406 | 244 | 205 | 149 | 83 | 59 | 1,146 | 102 |
| Gall Bladder Diseases | 0 | 0 | 1 | 2 | 2 | 3 | 90 | 330 | 35 | 87 | 17 | 35 | 602 | 2 |
| Other Diseases of the Digestive System | 66 | 73 | 148 | 140 | 156 | 138 | 831 | 887 | 214 | 211 | 173 | 162 | 3,199 | 42 |
| Skin Diseases | | | | | | | | | | | | | | |
| Skin Infections | 68 | 64 | 79 | 71 | 104 | 57 | 226 | 192 | 51 | 29 | 40 | 27 | 1,008 | 2 |
| Other Disorders of Skin & Subcutaneous-tissues | 51 | 49 | 73 | 66 | 129 | 74 | 287 | 224 | 88 | 66 | 65 | 44 | 1,216 | 0 |
| Diseases of Musculo-skeletal system & Co-genital Deformities | | | | | | | | | | | | | | |
| Arthritis & Arthrosis | 0 | 0 | 2 | 3 | 12 | 8 | 66 | 64 | 39 | 27 | 27 | 12 | 260 | 0 |
| Other Musculo-skeletal disorders | 3 | 4 | 20 | 21 | 123 | 40 | 488 | 362 | 116 | 73 | 82 | 69 | 1,401 | 1 |
| Genito-Urinary diseases | | | | | | | | | | | | | | |
| Cystitis | 2 | 2 | 6 | 8 | 6 | 9 | 93 | 263 | 17 | 29 | 27 | 27 | 489 | 0 |
| Infection of the Breasts, including Puerperium | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 68 | 0 | 1 | 0 | 2 | 73 | 1 |
| Other Disease of the Breast | 1 | 0 | 0 | 1 | 2 | 3 | 5 | 62 | 2 | 2 | 0 | 1 | 79 | 0 |

*(continued on next page)*

**Table 2.7: Inpatient Cases in all Hospitals, Bhutan 2013** *(continued)*

(Numbers)

| Indicators | Under 1 Year | | 1 – 4 Years | | 5 – 14 Years | | 15 – 49 Years | | 50 - 64 Years | | 65 + Years | | Total | Death |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | | |
| Pelvic Inflammatory Disease | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 62 | 0 | 6 | 0 | 2 | 70 | 1 |
| Menstrual Disturbances | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 147 | 0 | 17 | 0 | 5 | 171 | 0 |
| Other Kidney, UT/ Genital Disorders | 13 | 7 | 46 | 34 | 101 | 70 | 536 | 1,150 | 125 | 185 | 138 | 151 | 2,556 | 1 |
| Pregnancy, Childbirth and Puerperium | | | | | | | | | | | | | | |
| Abortions | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 897 | 0 | 0 | 0 | 0 | 897 | 1 |
| Pregnancy Induced Hypertension | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 288 | 0 | 0 | 0 | 0 | 288 | 0 |
| Ante-Partum Haemorrhage & Placenta Previa | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 68 | 0 | 0 | 0 | 0 | 69 | 0 |
| Malpresentation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 78 | 0 | 0 | 0 | 0 | 78 | 0 |
| Prolonged Labour | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 500 | 0 | 0 | 0 | 0 | 501 | 0 |
| Obstructed Labour | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 177 | 0 | 0 | 0 | 0 | 177 | 0 |
| Post Partum Haemorrhage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 64 | 0 | 0 | 0 | 0 | 64 | 0 |
| Retained Placenta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 121 | 0 | 0 | 0 | 0 | 121 | 0 |
| Puerperal Sepsis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 0 | 0 | 0 | 0 | 46 | 0 |
| Other complications of pregnancy | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 5,069 | 0 | 0 | 0 | 0 | 5,084 | 1 |
| Perinatal Conditions | | | | | | | | | | | | | | |
| Low Birth Weight | 84 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 144 | 8 |

*(continued on next page)*

**Table 2.7: Inpatient Cases in all Hospitals, Bhutan 2013** *(continued)*

(Numbers)

| Indicators | Under 1 Year | | 1 – 4 Years | | 5 – 14 Years | | 15 – 49 Years | | 50 - 64 Years | | 65 + Years | | Total | Death |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | | |
| Foetal Death & Stillbirth | 9 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 14 |
| Neonatal Death | 15 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 28 |
| Conditions Originating in the Perinatal Period | 548 | 446 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 994 | 23 |
| Malformations | | | | | | | | | | | | | | |
| Malformations | 34 | 29 | 12 | 5 | 7 | 7 | 11 | 11 | 1 | 1 | 0 | 0 | 118 | 7 |
| Injuries & Trauma | | | | | | | | | | | | | | |
| Mushroom Poisoning (Toxic effect of other unspecified substances) | 1 | 0 | 7 | 6 | 12 | 6 | 39 | 47 | 9 | 7 | 4 | 3 | 141 | 4 |
| Transport Accidents | 0 | 2 | 9 | 12 | 29 | 16 | 370 | 134 | 50 | 19 | 13 | 7 | 661 | 7 |
| Accidental Falls | 16 | 5 | 63 | 34 | 124 | 52 | 265 | 156 | 91 | 64 | 63 | 38 | 971 | 8 |
| Other Bites & Stings (excluding dog bite) | 1 | 2 | 4 | 1 | 12 | 14 | 51 | 35 | 16 | 4 | 1 | 3 | 144 | 0 |
| Dog Bite | 0 | 0 | 38 | 26 | 85 | 81 | 196 | 121 | 36 | 18 | 19 | 14 | 634 | 0 |
| Drowning & Submersion | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| Exposure to Electric Current | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 3 | 1 | 0 | 0 | 17 | 0 |
| Contact with Heat & Hot substances & exposure to smoke, fire, flames | 7 | 4 | 32 | 29 | 16 | 18 | 67 | 71 | 13 | 11 | 12 | 6 | 286 | 0 |
| Snake Bite | 0 | 0 | 0 | 1 | 3 | 6 | 31 | 26 | 4 | 7 | 3 | 2 | 83 | 0 |

*(continued on next page)*

**Table 2.7: Inpatient Cases in all Hospitals, Bhutan 2013** *(continued)*

(Numbers)

| Indicators | Under 1 Year | | 1 – 4 Years | | 5 – 14 Years | | 15 – 49 Years | | 50 - 64 Years | | 65 + Years | | Total | Death |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | | |
| Contact with Venomous animals (excluding Snake bite) | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 3 | 2 | 1 | 1 | 2 | 13 | 0 |
| Intentional Self Harm | 0 | 0 | 0 | 0 | 0 | 1 | 34 | 58 | 2 | 2 | 0 | 0 | 97 | 2 |
| Work Related Injuries | 0 | 0 | 2 | 2 | 11 | 5 | 360 | 133 | 45 | 19 | 24 | 13 | 614 | 1 |
| Others (injuries other than above & unknown cause of injury) | 13 | 8 | 68 | 46 | 280 | 110 | 835 | 403 | 140 | 78 | 76 | 57 | 2,114 | 9 |
| Other Conditions | | | | | | | | | | | | | | |
| Complications of Health Care | 2 | 1 | 1 | 0 | 3 | 2 | 7 | 28 | 3 | 2 | 1 | 0 | 50 | 0 |
| ANC, Immunization & Other counseling | 0 | 0 | 0 | 0 | 3 | 3 | 18 | 376 | 14 | 0 | 3 | 3 | 420 | 0 |
| Total | 2,258 | 1,760 | 2,315 | 1,913 | 2,400 | 1,717 | 9,940 | 17,749 | 2,753 | 2,536 | 2,502 | 2,336 | 50,179 | 775 |
| Total Old Cases all causes (Includes total Old & repeated visit/episode cases) | | | | | | | | | | | | | 8,186 | |

Inpatient = Those patients admitted to bed overnight (records deaths related to particular disease) in hospitals & BHU-I.
Source: Annual Health Bulletin 2014, MoH, Thimphu.

## Table 2.8: Outpatient Cases in all Hospitals, Bhutan 2013

(Numbers)

| Name of Diseases | Under 1 Year | | 1 – 4 Years | | 5 – 14 Years | | 15 – 49 Years | | 50 - 64 Years | | 65 + Years | | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | |
| Infections | | | | | | | | | | | | | |
| Diarrhoea | 1,632 | 1,399 | 3,313 | 2,869 | 2,961 | 2,660 | 5,047 | 4,525 | 809 | 728 | 400 | 335 | 26,678 |
| Dysentery | 203 | 175 | 555 | 499 | 594 | 475 | 1,456 | 1,152 | 244 | 208 | 132 | 115 | 5,808 |
| Tuberculosis | 0 | 0 | 0 | 4 | 5 | 12 | 101 | 132 | 21 | 14 | 10 | 15 | 314 |
| Genital Ulcer/Bubo | 1 | 0 | 1 | 0 | 0 | 4 | 72 | 99 | 8 | 7 | 0 | 0 | 192 |
| Urethal/Vaginal Discharges | 0 | 1 | 6 | 1 | 4 | 11 | 916 | 1,139 | 42 | 48 | 7 | 2 | 2,177 |
| Other Sexually Transmitted Disease, excluding HIV/AIDS | 0 | 1 | 2 | 1 | 1 | 2 | 356 | 262 | 20 | 10 | 4 | 1 | 660 |
| Rickettsial Disease | 1 | 0 | 4 | 5 | 8 | 15 | 71 | 63 | 6 | 5 | 1 | 3 | 182 |
| Viral, Protozoal & Helminthic disease | | | | | | | | | | | | | |
| Chicken Pox | 30 | 31 | 128 | 121 | 368 | 327 | 185 | 143 | 6 | 9 | 2 | 1 | 1,351 |
| Viral Hepatitis | 4 | 4 | 8 | 8 | 33 | 30 | 69 | 65 | 3 | 4 | 3 | 0 | 231 |
| Plasmodium falciparum malaria | 0 | 1 | 1 | 0 | 1 | 0 | 5 | 10 | 1 | 3 | 2 | 2 | 26 |
| Other Malaria | 0 | 0 | 1 | 0 | 0 | 1 | 13 | 5 | 0 | 1 | 0 | 0 | 21 |
| Visceral Leishmaniasis | 0 | 0 | 8 | 2 | 6 | 6 | 5 | 9 | 4 | 1 | 1 | 0 | 42 |
| Intestinal Worms | 20 | 23 | 261 | 246 | 351 | 355 | 627 | 646 | 132 | 100 | 58 | 43 | 2,862 |
| Scabies | 56 | 67 | 250 | 278 | 722 | 436 | 1,062 | 735 | 180 | 104 | 72 | 51 | 4,013 |
| Streptococcus Group A | 0 | 1 | 1 | 2 | 4 | 8 | 18 | 4 | 0 | 0 | 0 | 0 | 38 |

(continued on next page)

**Table 2.8: Outpatient Cases in all Hospitals, Bhutan 2013** *(continued)*

(Numbers)

| Name of Diseases | Under 1 Year | | 1 – 4 Years | | 5 – 14 Years | | 15 – 49 Years | | 50 - 64 Years | | 65 + Years | | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | |
| Other Infections (excluding ear, brain, STI) | 209 | 178 | 505 | 475 | 805 | 792 | 2,294 | 2,435 | 387 | 321 | 160 | 116 | 8,677 |
| Neoplasm | | | | | | | | | | | | | |
| Cervical Cancer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 27 | 0 | 0 | 36 |
| Other Cancers | 0 | 2 | 1 | 0 | 3 | 3 | 46 | 76 | 65 | 81 | 98 | 62 | 437 |
| Blood diseases | | | | | | | | | | | | | |
| Neoplasm (benign + CIS) | 5 | 2 | 5 | 3 | 3 | 6 | 33 | 89 | 17 | 25 | 34 | 3 | 225 |
| Nutritional Anaemia | 15 | 8 | 99 | 115 | 311 | 594 | 1,327 | 3,488 | 293 | 494 | 222 | 220 | 7,186 |
| Blood & Immune Disorders | 1 | 1 | 2 | 4 | 6 | 7 | 49 | 145 | 45 | 52 | 25 | 28 | 365 |
| Endocrine, Metabolic & Nutritional | | | | | | | | | | | | | |
| Diabetes | 0 | 0 | 2 | 2 | 1 | 4 | 872 | 946 | 1,056 | 1,114 | 696 | 667 | 5,360 |
| Malnutrition (exclude child clinic attendance) | 4 | 0 | 9 | 14 | 8 | 6 | 16 | 25 | 5 | 6 | 3 | 0 | 96 |
| Other Nutritional & Metabolic Disorders | 16 | 13 | 65 | 95 | 102 | 107 | 365 | 554 | 63 | 73 | 38 | 50 | 1,541 |
| Mental disorders | | | | | | | | | | | | | |
| Mental and behavioral disorder due to alcohol | 0 | 0 | 0 | 0 | 0 | 0 | 217 | 133 | 44 | 17 | 14 | 12 | 437 |
| Mental and behavioral disorder due to multiple drug use & other use of psychoactive substances | 0 | 0 | 0 | 0 | 1 | 0 | 56 | 21 | 5 | 0 | 1 | 0 | 84 |

*(continued on next page)*

**Table 2.8: Outpatient Cases in all Hospitals, Bhutan 2013** *(continued)*

(Numbers)

| Name of Diseases | Under 1 Year | | 1 – 4 Years | | 5 – 14 Years | | 15 – 49 Years | | 50 - 64 Years | | 65 + Years | | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | |
| Psychosis | 0 | 0 | 1 | 0 | 0 | 0 | 25 | 44 | 11 | 9 | 4 | 2 | 96 |
| Depression | 0 | 1 | 0 | 2 | 2 | 5 | 155 | 275 | 61 | 44 | 9 | 7 | 561 |
| Anxiety | 0 | 4 | 2 | 3 | 7 | 10 | 150 | 283 | 52 | 40 | 9 | 9 | 569 |
| Other Mental Disorders | 6 | 0 | 1 | 2 | 6 | 19 | 231 | 343 | 43 | 32 | 6 | 11 | 700 |
| Disease of Nervous system | | | | | | | | | | | | | |
| Meningitis/Encephalitis | 12 | 10 | 0 | 5 | 3 | 3 | 21 | 17 | 8 | 2 | 3 | 0 | 84 |
| Epilepsy | 3 | 7 | 39 | 31 | 61 | 69 | 333 | 353 | 48 | 31 | 19 | 9 | 1,003 |
| Other Nervous inlcuding Peripheral Disorders | 57 | 82 | 189 | 197 | 688 | 753 | 4,646 | 7,162 | 988 | 1,060 | 410 | 403 | 16,635 |
| Eye & Ear Diseases | | | | | | | | | | | | | |
| Conjunctivitis | 718 | 700 | 1,140 | 979 | 2,105 | 2,218 | 6,647 | 7,247 | 1,166 | 1,061 | 610 | 509 | 25,100 |
| Cataract | 11 | 7 | 9 | 13 | 71 | 57 | 192 | 254 | 313 | 289 | 265 | 244 | 1,725 |
| Other Eye Disorders | 317 | 320 | 714 | 692 | 1,842 | 2,121 | 7,661 | 9,372 | 1,548 | 1,753 | 1,241 | 1,147 | 28,728 |
| Otitis Media | 180 | 195 | 550 | 622 | 1,141 | 1,013 | 2,133 | 1,977 | 290 | 224 | 131 | 111 | 8,567 |
| Other Ear Disorders | 164 | 171 | 495 | 578 | 1,367 | 1,224 | 3,116 | 3,485 | 548 | 509 | 315 | 297 | 12,269 |
| Diseases of Circulatory System | | | | | | | | | | | | | |
| Rheumatic Heart Disease | 0 | 2 | 3 | 4 | 19 | 14 | 86 | 117 | 85 | 59 | 64 | 56 | 509 |
| Hypertension | 0 | 0 | 0 | 0 | 50 | 274 | 3,859 | 5,373 | 3,653 | 4,119 | 2,449 | 2,455 | 22,232 |

*(continued on next page)*

**Table 2.8: Outpatient Cases in all Hospitals, Bhutan 2013** *(continued)*

(Numbers)

| Name of Diseases | Under 1 Year | | 1 – 4 Years | | 5 – 14 Years | | 15 – 49 Years | | 50 - 64 Years | | 65 + Years | | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | |
| Ischaemic Heart Diseases | 0 | 0 | 0 | 0 | 8 | 0 | 34 | 49 | 33 | 40 | 38 | 38 | 240 |
| Cerebro-vascular Diseases | 0 | 0 | 0 | 0 | 0 | 1 | 17 | 18 | 20 | 72 | 42 | 30 | 200 |
| Other Circulatory Diseases | 21 | 31 | 72 | 59 | 139 | 134 | 726 | 984 | 299 | 269 | 236 | 289 | 3,259 |
| Respiratory diseases | | | | | | | | | | | | | |
| Common Cold | 6,427 | 6,172 | 12,459 | 11,981 | 13,342 | 13,375 | 29,195 | 28,990 | 4,327 | 3,928 | 2,149 | 1,826 | 134,171 |
| Acute Pharyngitis/Tonsilitis | 699 | 731 | 1,981 | 1,984 | 3,878 | 4,128 | 10,101 | 11,022 | 1,356 | 1,243 | 617 | 458 | 38,198 |
| Pneumonia | 559 | 502 | 872 | 797 | 376 | 330 | 314 | 282 | 76 | 108 | 80 | 69 | 4,365 |
| Other Respiratory & Nose Diseases | 1,063 | 1,046 | 1,749 | 1,740 | 2,281 | 2,358 | 7,114 | 7,980 | 1,621 | 1,538 | 1,298 | 1,087 | 30,875 |
| Diseases of the Digestive system | | | | | | | | | | | | | |
| Diseases of Teeth & Gums | 31 | 15 | 286 | 249 | 1,332 | 1,335 | 2,952 | 3,159 | 667 | 493 | 306 | 221 | 11,046 |
| Dental Caries | 44 | 72 | 722 | 788 | 3,551 | 3,883 | 8,223 | 9,975 | 1,994 | 1,556 | 752 | 541 | 32,101 |
| Peptic Ulcer Syndrome | 68 | 69 | 208 | 163 | 935 | 1,180 | 12,036 | 15,151 | 3,406 | 3,507 | 1,324 | 1,259 | 39,306 |
| Acute Appendicitis | 3 | 0 | 2 | 0 | 26 | 26 | 198 | 210 | 64 | 126 | 21 | 18 | 694 |
| Alcohol Liver Diseases | 0 | 0 | 0 | 0 | 0 | 0 | 422 | 339 | 225 | 165 | 69 | 22 | 1,242 |
| Gall Bladder Diseases | 0 | 0 | 2 | 0 | 3 | 1 | 66 | 187 | 24 | 52 | 17 | 33 | 385 |
| Other Diseases of the Digestive System | 575 | 579 | 1,666 | 1,768 | 3,071 | 3,495 | 12,497 | 15,422 | 2,392 | 2,224 | 1,472 | 1,132 | 46,293 |
| Skin Diseases | | | | | | | | | | | | | |

*(continued on next page)*

**Table 2.8: Outpatient Cases in all Hospitals, Bhutan 2013** *(continued)*

(Numbers)

| Name of Diseases | Under 1 Year | | 1 – 4 Years | | 5 – 14 Years | | 15 – 49 Years | | 50 - 64 Years | | 65 + Years | | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | |
| Skin Infections | 1,260 | 1,212 | 3,788 | 3,610 | 6,208 | 5,318 | 13,020 | 10,870 | 1,976 | 1,366 | 866 | 654 | 50,148 |
| Other Disorders of Skin & Subcutaneous-tissues | 1,095 | 1,178 | 2,753 | 2,415 | 3,860 | 3,732 | 11,236 | 10,840 | 1,916 | 1,401 | 907 | 634 | 41,967 |
| Diseases of Musculo-skeletal system & Co-genital Deformities | | | | | | | | | | | | | |
| Arthritis & Arthrosis | 7 | 10 | 78 | 32 | 166 | 111 | 1,532 | 1,549 | 519 | 500 | 280 | 243 | 5,027 |
| Other Musculo-skeletal disorders | 63 | 59 | 313 | 314 | 1,654 | 1,580 | 17,047 | 16,236 | 4,774 | 4,092 | 2,386 | 1,920 | 50,438 |
| Genito-Urinary diseases | | | | | | | | | | | | | |
| Cystitis | 14 | 14 | 73 | 74 | 113 | 114 | 742 | 1,704 | 128 | 256 | 95 | 116 | 3,443 |
| Infection of Breasts, including Puerperium | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 368 | 0 | 21 | 0 | 3 | 406 |
| Other Disease of the Breast | 0 | 2 | 1 | 2 | 1 | 12 | 10 | 653 | 2 | 10 | 0 | 1 | 694 |
| Pelvic Inflammatory Disease | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 508 | 0 | 34 | 0 | 1 | 553 |
| Menstrual Disturbances | 0 | 0 | 0 | 0 | 0 | 94 | 0 | 2,656 | 0 | 144 | 0 | 10 | 2,904 |
| Other Kidney, UT/ Genital Disorders | 33 | 30 | 298 | 300 | 624 | 739 | 3,894 | 10,820 | 776 | 1,057 | 320 | 317 | 19,208 |
| Pregnancy, Childbirth and Puerperium | | | | | | | | | | | | | |
| Abortions | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 346 | 0 | 0 | 0 | 0 | 347 |
| Pregnancy Induced Hypertension | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 152 | 0 | 0 | 0 | 0 | 152 |
| Ante-Partum Haemorrhage & Placenta Previa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 0 | 19 |
| Malpresentation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 8 |

*(continued on next page)*

**Table 2.8: Outpatient Cases in all Hospitals, Bhutan 2013** *(continued)*

(Numbers)

| Name of Diseases | Under 1 Year | | 1 – 4 Years | | 5 – 14 Years | | 15 – 49 Years | | 50 - 64 Years | | 65 + Years | | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | |
| Prolonged Labour | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 0 | 0 | 27 |
| Obstructed Labour | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 0 | 0 | 0 | 0 | 33 |
| Post Partum Haemorrhage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 11 |
| Retained Placenta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 10 |
| Puerperal Sepsis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 16 |
| Other complications of pregnancy | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 3,516 | 0 | 0 | 0 | 0 | 3,530 |
| Perinatal Conditions | | | | | | | | | | | | | |
| Low Birth Weight | 29 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 73 |
| Foetal Death & Stillbirth | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Neonatal Death | 18 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36 |
| Conditions Orginating in the Perinatal Period | 393 | 388 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 781 |
| Malformations | | | | | | | | | | | | | |
| Malformations | 37 | 51 | 28 | 21 | 13 | 16 | 9 | 14 | 2 | 4 | 1 | 0 | 196 |
| Injuries & Trauma | | | | | | | | | | | | | |
| Mushroom Poisoning (Toxic effect of other unspecified susbstances) | 1 | 1 | 3 | 7 | 14 | 8 | 32 | 24 | 5 | 1 | 0 | 1 | 97 |
| Transport Accidents | 2 | 2 | 24 | 16 | 70 | 35 | 490 | 205 | 64 | 38 | 12 | 9 | 967 |
| Accidental Falls | 15 | 13 | 185 | 171 | 560 | 339 | 1,434 | 789 | 236 | 184 | 102 | 82 | 4,110 |

*(continued on next page)*

**Table 2.8: Outpatient Cases in all Hospitals, Bhutan 2013** *(continued)*

(Numbers)

| Name of Diseases | Under 1 Year | | 1 – 4 Years | | 5 – 14 Years | | 15 – 49 Years | | 50 - 64 Years | | 65 + Years | | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | |
| Other Bites & Stings | 13 | 6 | 114 | 114 | 283 | 223 | 580 | 525 | 115 | 76 | 29 | 24 | 2,102 |
| Dog Bite | 6 | 6 | 146 | 99 | 532 | 334 | 728 | 524 | 114 | 83 | 59 | 45 | 2,676 |
| Drowning & Submersion | 0 | 0 | 1 | 0 | 0 | 1 | 4 | 6 | 1 | 0 | 2 | 0 | 15 |
| Exposure to Electric Current | 0 | 0 | 2 | 0 | 4 | 0 | 17 | 9 | 3 | 1 | 0 | 0 | 36 |
| Contact with Heat & Hot substances & exposure to smoke, fire, flames | 13 | 9 | 109 | 94 | 102 | 83 | 210 | 188 | 34 | 16 | 11 | 7 | 876 |
| Snake Bite | 0 | 0 | 0 | 0 | 5 | 0 | 20 | 17 | 5 | 1 | 3 | 0 | 51 |
| Contact with Venomous animals (excluding Snake bite) | 0 | 0 | 4 | 6 | 6 | 3 | 11 | 14 | 2 | 2 | 0 | 2 | 50 |
| Intentional Self Harm | 0 | 0 | 5 | 4 | 24 | 20 | 141 | 73 | 11 | 5 | 3 | 0 | 286 |
| Work Related Injuries | 11 | 5 | 204 | 123 | 1,000 | 570 | 5,126 | 2,265 | 723 | 322 | 201 | 114 | 10,664 |
| Others (injuries other than above & unknown cause of injury) | 39 | 38 | 509 | 366 | 1,674 | 913 | 4,266 | 2,330 | 615 | 311 | 215 | 147 | 11,423 |
| Other Conditions | | | | | | | | | | | | | |
| Complications of Health Care | 2 | 4 | 9 | 8 | 28 | 23 | 86 | 124 | 22 | 14 | 7 | 5 | 332 |
| ANC, Immunisation & Other counseling | 206 | 238 | 345 | 379 | 132 | 95 | 14,403 | 6,539 | 116 | 181 | 27 | 30 | 22,691 |
| Total | 16,412 | 15,952 | 37,381 | 35,556 | 59,675 | 58,289 | 203,466 | 220,968 | 40,933 | 38,125 | 21,465 | 18,374 | 766,596 |
| Total Old Cases all causes (Includes total Old & repeated visit/episode cases) | | | | | | | | | | | | | 406,082 |

Outpatient = Those patients who receives treatment at hospitals & BHU-I without staying overnight.
Source: Annual Health Bulletin 2014, MoH, Thimphu.

**Table 2.9: Number of Patient Admissions & Average Length of Stay in Dzongkhag Hospitals, Bhutan (2009-2013)**

| Dzongkhag | 2009 | | 2010 | | 2011 | | 2012 | | 2013 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Total Admissions | Patient Days | Total Admissions | Patient Days | Total Admissions | Patient Days | Total Admissions | Patient Days | Total Admissions | Patient Days |
| Bumthang | 767 | 2,178 | 697 | 2,789 | 591 | 1,970 | 858 | 3,187 | 730 | 2,010 |
| Chhukha | 5,763 | 10,350 | 5,223 | 9,266 | 4,682 | 17,025 | 4,724 | 18,055 | 4,460 | 20,649 |
| Dagana | 169 | 449 | 593 | 982 | 763 | 2,107 | 1,192 | 3,492 | 1,059 | 2,918 |
| Gasa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 4 |
| Haa | 540 | 1,290 | 407 | 1,337 | 382 | 1,021 | 387 | 1,415 | 315 | 1,011 |
| Lhuentse | 813 | 4,011 | 1,137 | 4,423 | 612 | 2,361 | 966 | 3,586 | 878 | 2,602 |
| Monggar | 3,392 | 23,253 | 3,758 | 23,518 | 4,536 | 26,226 | 4,727 | 27,684 | 3,917 | 24,743 |
| Paro | 2,932 | 8,098 | 3,195 | 8,144 | 2,962 | 7,532 | 2,200 | 5,550 | 2,524 | 6,606 |
| P/ Gatshel | 999 | 3,389 | 970 | 3,186 | 1,325 | 4,354 | 1,818 | 5,596 | 1,700 | 5,440 |
| Punakha | 2,036 | 8,034 | 1,878 | 8,670 | 2,346 | 5,632 | 2,166 | 5,244 | 1,609 | 3,491 |
| S/ Jongkhar | 1,915 | 11,159 | 1,479 | 9,081 | 2,908 | 13,804 | 3,079 | 14,061 | 2,966 | 10,226 |
| Samtse | 3,213 | 16,076 | 3,304 | 13,434 | 3,429 | 15,225 | 3,054 | 12,889 | 3,117 | 13,825 |
| Sarpang | 4,208 | 17,853 | 4,135 | 18,165 | 4,093 | 16,955 | 4,147 | 17,097 | 3,747 | 16,583 |
| Thimphu | 12,522 | 88,269 | 14,532 | 113,358 | 15,538 | 103,965 | 15,811 | 100,466 | 17,354 | 106,765 |
| Trashigang | 3,524 | 15,232 | 3,508 | 15,257 | 3,373 | 14,514 | 3,138 | 12,946 | 3,023 | 12,380 |
| T/ Yangtse | 664 | 3,572 | 699 | 3,319 | 657 | 2,452 | 731 | 3,114 | 867 | 3,378 |
| Trongsa | 526 | 1,728 | 541 | 1,768 | 626 | 2,070 | 736 | 2,295 | 805 | 2,086 |
| Tsirang | 873 | 2,434 | 1,021 | 2,016 | 1,177 | 3,715 | 1,229 | 5,739 | 1,528 | 6,273 |
| W/Phodrang | 1,344 | 4,640 | 1,485 | 4,258 | 1,760 | 5,131 | 2,500 | 7,455 | 2,351 | 9,037 |
| Zhemgang | 1,350 | 5,273 | 1,269 | 4,443 | 1,334 | 4,072 | 1,282 | 3,495 | 1,855 | 4,552 |
| Bhutan | 47,550 | 227,288 | 49,831 | 247,414 | 53,094 | 250,131 | 54,745 | 253,366 | 54,811 | 254,579 |

Source: Annual Health Bulletin 2014, MoH, Thimphu.

**Table 2.10: Immunization Status by Dzongkhag, Bhutan 2013**

(Numbers)

| Dzongkhag | Antigen | | | | |
|---|---|---|---|---|---|
| | BCG | Measles | OPV3 | DPT-Hep B3 | OPV 0 |
| Bumthang | 227 | 327 | 316 | 299 | 189 |
| Chhukha | 1,290 | 1,361 | 1,323 | 1,323 | 1,222 |
| Dagana | 224 | 436 | 402 | 402 | 205 |
| Gasa | 21 | 41 | 52 | 52 | 9 |
| Haa | 136 | 204 | 222 | 222 | 126 |
| Lhuentse | 224 | 318 | 318 | 316 | 194 |
| Monggar | 1,113 | 801 | 801 | 794 | 1,070 |
| Paro | 479 | 777 | 704 | 704 | 453 |
| Pema Gatshel | 364 | 414 | 426 | 426 | 319 |
| Punakha | 356 | 459 | 479 | 479 | 343 |
| Samdrup Jongkhar | 530 | 697 | 706 | 699 | 460 |
| Samtse | 758 | 1,118 | 1,071 | 1,071 | 714 |
| Sarpang | 725 | 620 | 606 | 604 | 709 |
| Thimphu | 4,257 | 2,613 | 2,555 | 2,554 | 4,240 |
| Trashigang | 683 | 822 | 798 | 798 | 651 |
| Trashi Yangtse | 303 | 356 | 367 | 367 | 240 |
| Trongsa | 187 | 306 | 315 | 315 | 157 |
| Tsirang | 252 | 376 | 353 | 352 | 243 |
| Wangdue Phodrang | 542 | 863 | 821 | 821 | 471 |
| Zhemgang | 250 | 340 | 344 | 346 | 197 |
| Bhutan | 12,921 | 13,249 | 12,979 | 12,944 | 12,212 |

Source: Annual Health Bulletin 2014, MoH, Thimphu.

**Table 2.11: Nutritional and Vitamin A Status of Children Attending Clinics, Bhutan (2008-2013)**

(Numbers)

| Details | 2008 | | 2009 | | 2010 | | 2011 | | 2012 | | 2013 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Child Attendances | New | Old | New | Old | New | Old | New | Old | New | Old | New | Old |
| Infants: <1 Year | 13,836 | 94,626 | 14,298 | 104,580 | 13,808 | 108,871 | 13,670 | 112,069 | 14,356 | 116,535 | 13,792 | 117,807 |
| Child: 1 to <5 Years | 739 | 78,141 | 1,257 | 85,617 | 1,058 | 99,387 | 869 | 108,667 | 1,324 | 119,849 | 1,918 | 135,164 |
| Total | 14,575 | 172,767 | 15,555 | 190,197 | 14,866 | 208,258 | 14,539 | 220,736 | 15,680 | 236,384 | 15,710 | 252,971 |
| Weight | | | | | | | | | | | | |
| Over Weight | 28,905 | | 15,149 | | 12,443 | | 5,584 | | 4,607 | | 4,522 | |
| Normal Weight | 138,003 | | 171,461 | | 196,455 | | 217,904 | | 236,251 | | 253,775 | |
| Under Weight | 17,342 | | 16,156 | | 12,951 | | 10,243 | | 9,259 | | 8,939 | |
| All malnourished [1] | 46,247 | | 31,305 | | 25,394 | | 15,827 | | 13,866 | | 13,461 | |
| Vitamin A Supplements | | | | | | | | | | | | |
| Infants: <1 Year | 15,762 | | 18,189 | | 15,676 | | 17,089 | | 18,092 | | 17,065 | |
| Child: 1 to <5 Years | | | | | 36,820 | | 41,276 | | 46,014 | | 52,665 | |
| PP Mother [2] | … | | … | | 12,220 | | 12,655 | | 13,161 | | 12,518 | |

[1]All malnourished included over weight and under weight after 2008

[2] Post-partum mother

Source: Annual Health Bulletin 2014, MoH, Thimphu.

## Table 2.12: Details of Maternal & Child Health Care Activities, Bhutan (2008-2013)

(Numbers)

| Type of care | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|
| Antenatal care attendence | 53,352 | 55,586 | 61,282 | 65,528 | 72,384 | 71,464 |
| 1st visit | 13,734 | 13,461 | 13,123 | 12,953 | 13,376 | 12,500 |
| 2nd visit | 12,363 | 12,554 | 12,791 | 12,589 | 12,981 | 12,549 |
| 3rd visit | 11,403 | 11,556 | 11,605 | 11,637 | 12,212 | 11,955 |
| 4th visit | 15,852 [1] | 18,015 [1] | 9,803 | 10,056 | 10,726 | 10,843 |
| 5+ visit | | | 13,960 | 18,293 | 23,089 | 23,617 |
| Deliveries attended by trained health personnel | 8,621 | 9,011 | 9,230 | 8,934 | 10,792 | 11,158 |
| Home | 927 | 878 | 710 | 662 | 623 | 1,010 |
| Facility | 7,694 | 8,133 | 8,520 | 8,272 | 10,169 | 10,148 |
| Post-natal care attendance | … | … | 11,474 | 14,174 | 17,924 | 20,942 |
| 1st visit | … | … | 7,227 | 7,740 | 8,966 | 9,462 |
| 2+ visit | … | … | 4,247 | 6,434 | 8,958 | 11,480 |

[1] 4th and 5th Visits combined

Source: Annual Health Bulletin 2014, MoH, Thimphu.

## Table 2.13: Family Planning Methods by Type, Bhutan (2008-2013)

(Numbers)

| Method | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|
| Female Sterilisation | 2,733 | 3,219 | 3,642 | 3,825 | 4,292 | 4,751 |
| Male Sterilisation | 9,433 | 9,730 | 9,436 | 9,601 | 9,531 | 9,607 |
| Intra uterine device (IUD) inserted [1] | 1,970 | 2,343 | 2,631 | 1,427 | 1,445 | 2,492 |
| Pills (OCP) [2] | 40,274 | 44,643 | 52,234 | 70,929 | 81,673 | 92,730 |
| Condoms [3] | 1,462,467 | 1,426,426 | 1,050,891 | 1,117,983 | 1,427,260 | 1,474,942 |
| Injection DMPA [4] | 71,738 | 75,999 | 89,797 | 89,250 | 88,009 | 77,524 |

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

Source: Annual Health Bulletin 2014, MoH, Thimphu.

**Table 2.14: Details of Maternal & Child Health Care Activities by Dzongkhag, Bhutan (2008-2013)**

(Numbers)

| Dzongkhag | Details | 2003 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|---|---|
| Bumthang | Antenatal | 719 | 1,352 | 1,274 | 1,420 | 1,599 | 1,614 | 1,806 |
| | Reported deliveries | 277 | 298 | 298 | 324 | 332 | 338 | 304 |
| | Trained deliveries | 97 | 147 | 172 | 165 | 210 | 196 | 189 |
| Chhukha [1] | Antenatal | 6,850 | 7,669 | 7,048 | 7,770 | 9,245 | 11,419 | 11,148 |
| | Reported deliveries | 1,582 | 825 | 898 | 707 | 693 | 772 | 769 |
| | Trained deliveries | 609 | 1,048 | 1,089 | 1,208 | 1,118 | 1,073 | 1,271 |
| Dagana | Antenatal | 849 | 1,452 | 1,386 | 1,509 | 1,689 | 1,882 | 1,609 |
| | Reported deliveries | 472 | 537 | 450 | 425 | 378 | 449 | 398 |
| | Trained deliveries | 244 | 132 | 254 | 131 | 152 | 175 | 107 |
| Gasa | Antenatal | 155 | 175 | 192 | 152 | 163 | 144 | 190 |
| | Reported deliveries | 45 | 43 | 67 | 62 | 154 | 47 | 84 |
| | Trained deliveries | 9 | 35 | 16 | 15 | 9 | 6 | 7 |
| Haa | Antenatal | 342 | 759 | 896 | 860 | 771 | 994 | 813 |
| | Reported deliveries | 130 | 182 | 215 | 160 | 213 | 209 | 75 |
| | Trained deliveries | 18 | 66 | 136 | 73 | 38 | 110 | 189 |
| Lhuentse | Antenatal | 821 | 1,189 | 968 | 1,148 | 1,307 | 1,463 | 1,379 |
| | Reported deliveries | 364 | 320 | 380 | 282 | 258 | 305 | 310 |
| | Trained deliveries | 136 | 171 | 194 | 78 | 100 | 156 | 203 |
| Monggar | Antenatal | 2,094 | 3,401 | 3,307 | 3,362 | 3,675 | 4,030 | 4,125 |
| | Reported deliveries | 846 | 797 | 880 | 879 | 808 | 741 | 877 |
| | Trained deliveries | 468 | 763 | 768 | 799 | 950 | 929 | 994 |
| Paro | Antenatal | 2,117 | 2,701 | 3,384 | 3,961 | 3,611 | 3,973 | 4,292 |
| | Reported deliveries | 375 | 531 | 588 | 772 | 828 | 782 | 935 |
| | Trained deliveries | 233 | 543 | 521 | 491 | 486 | 442 | 393 |
| Pema Gat-shel | Antenatal | 699 | 1,364 | 1,597 | 1,816 | 1,727 | 1,829 | 1,705 |
| | Reported deliveries | 278 | 402 | 365 | 419 | 380 | 355 | 418 |
| | Trained deliveries | 47 | 144 | 164 | 167 | 167 | 230 | 270 |
| Punakha | Antenatal | 1,326 | 1,393 | 2,442 | 2,610 | 2,263 | 2,261 | 2,532 |
| | Reported deliveries | 386 | 339 | 343 | 370 | 410 | 447 | 446 |
| | Trained deliveries | 65 | 299 | 358 | 358 | 476 | 666 | 317 |
| Samdrup Jongkhar | Antenatal | 2,869 | 2,532 | 2,514 | 2,741 | 3,088 | 3,143 | 2,906 |
| | Reported deliveries | 740 | 710 | 465 | 785 | 785 | 615 | 682 |
| | Trained deliveries | 351 | 330 | 428 | 456 | 369 | 450 | 296 |

*(continued on next page)*

**Table 2.14: Details of Maternal & Child Health Care Activities by Dzongkhag, Bhutan (2008-2013)** *(continued)*

(Numbers)

| Dzongkhag | Details | 2003 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|---|---|
| Samtse | Antenatal | 342 | 4,950 | 5,218 | 5,382 | 5,964 | 6,136 | 5,844 |
| | Reported deliveries | 1,318 | 1,208 | 1,154 | 986 | 1,048 | 982 | 1,124 |
| | Trained deliveries | 18 | 495 | 438 | 475 | 399 | 491 | 491 |
| Sarpang | Antenatal | 3,714 | 3,359 | 3,399 | 3,621 | 4,543 | 4,405 | 4,107 |
| | Reported deliveries | 993 | 833 | 658 | 1,187 | 634 | 634 | 595 |
| | Trained deliveries | 580 | 632 | 714 | 686 | 683 | 951 | 944 |
| Thimphu [1] | Antenatal | 14,358 | 10,708 | 11,738 | 13,168 | 12,935 | 14,597 | 14,508 |
| | Reported deliveries | 437 | 3,324 | 3,791 | 307 | 303 | 257 | 392 |
| | Trained deliveries | 1,737 | 2,549 | 2,659 | 3,082 | 2,396 | 3,418 | 3,932 |
| Trashigang | Antenatal | 2,830 | 3,725 | 3,145 | 3,428 | 3,671 | 3,649 | 3,694 |
| | Reported deliveries | 974 | 776 | 869 | 861 | 884 | 911 | 909 |
| | Trained deliveries | 346 | 591 | 498 | 430 | 453 | 567 | 539 |
| Trashi Yang-tse | Antenatal | 765 | 1,240 | 1,437 | 1,441 | 1,480 | 1,576 | 1,740 |
| | Reported deliveries | 480 | 404 | 399 | 386 | 425 | 403 | 382 |
| | Trained deliveries | 92 | 118 | 107 | 125 | 103 | 109 | 135 |
| Trongsa | Antenatal | 873 | 771 | 886 | 989 | 1,250 | 1,444 | 1,573 |
| | Reported deliveries | 275 | 226 | 244 | 309 | 265 | 217 | 282 |
| | Trained deliveries | 126 | 68 | 87 | 106 | 94 | 113 | 128 |
| Tsirang | Antenatal | 1,129 | 1,213 | 1,107 | 1,338 | 1,413 | 1,783 | 1,754 |
| | Reported deliveries | 417 | 323 | 268 | 269 | 409 | 319 | 309 |
| | Trained deliveries | 162 | 104 | 229 | 94 | 233 | 217 | 229 |
| Wangdue Phodrang | Antenatal | 1,993 | 2,148 | 2,263 | 3,323 | 3,837 | 4,532 | 4,149 |
| | Reported deliveries | 635 | 509 | 653 | 506 | 640 | 640 | 662 |
| | Trained deliveries | 220 | 230 | 309 | 395 | 351 | 336 | 376 |
| Zhemgang | Antenatal | 669 | 1,251 | 1,284 | 1,243 | 1,297 | 1,510 | 1,509 |
| | Reported deliveries | 340 | 409 | 377 | 378 | 344 | 369 | 354 |
| | Trained deliveries | 189 | 156 | 145 | 130 | 147 | 156 | 148 |

[1] Phuntsholing & Thimphu urban areas are not covered by Annual Household Survey.

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

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

Source: Annual Health Bulletin 2014, MoH, Thimphu.

**Table 2.15: Number of Users of Family Planning Methods by Type, by Dzongkhag, Bhutan 2013**

| Dzongkhag | Family planning methods | | | | | |
|---|---|---|---|---|---|---|
| | New IUD Inserted | Oral pills [1] (No. of Cycles issued) | DMPA [2] (No. Injected) | Vasectomy [3] | Tubectomy [3] | No. of Condom issued ( In pieces) |
| Bumthang | 20 | 2,810 | 2,478 | 82 | 84 | 71,804 |
| Chhukha | 206 | 10,258 | 7,895 | 800 | 367 | 86,332 |
| Dagana | 64 | 8,359 | 3,275 | 500 | 116 | 38,120 |
| Gasa | 9 | 248 | 539 | 21 | 18 | 8,267 |
| Haa | 13 | 1,486 | 1,424 | 158 | 131 | 28,221 |
| Lhuentse | 32 | 1,661 | 1,902 | 230 | 107 | 40,602 |
| Monggar | 365 | 6,018 | 5,579 | 520 | 416 | 211,252 |
| Paro | 57 | 5,051 | 3,997 | 669 | 788 | 78,653 |
| P/ Gatshel | 16 | 2,131 | 2,466 | 452 | 83 | 50,031 |
| Punakha | 88 | 3,489 | 3,477 | 377 | 368 | 52,047 |
| S/ Jongkhar | 20 | 5,664 | 3,836 | 398 | 216 | 61,296 |
| Samtse | 60 | 10,869 | 6,984 | 2,597 | 637 | 86,895 |
| Sarpang | 87 | 4,581 | 5,859 | 516 | 341 | 88,100 |
| Thimphu | 848 | 9,984 | 8,307 | 287 | 210 | 207,089 |
| Trashigang | 296 | 7,570 | 5,103 | 672 | 186 | 106,535 |
| T/ Yangtse | 30 | 1,611 | 1,617 | 164 | 93 | 49,422 |
| Trongsa | 42 | 2,429 | 2,263 | 158 | 99 | 45,610 |
| Tsirang | 46 | 4,359 | 3,419 | 292 | 115 | 26,048 |
| W/ Phodrang | 68 | 3,075 | 4,194 | 571 | 283 | 89,826 |
| Zhemgang | 125 | 1,077 | 2,910 | 143 | 93 | 48,792 |
| Bhutan | 2,492 | 92,730 | 77,524 | 9,607 | 4,751 | 1,474,942 |

[1] Oral pills = 1 user is equal to12 cycles or 13 cycles.
[2] DMPA = 1 user is equal to 4 injections.
[3] Cumulative figures, collected from Annual Household Survey.
Source: Annual Health Bulletin 2014, MoH, Thimphu.

**Table 2.16: Number of Malaria Cases by Type and Deaths, Bhutan (2009-2013)**

(Numbers)

| Details | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|
| Plasmodium vivax | 394 | 255 | 91 | 47 | 31 |
| Plasmodium falciparum | 473 | 139 | 88 | 33 | 13 |
| Mixed infections | 84 | 32 | 15 | 2 | 1 |
| Deaths due to malaria (numbers) | 4 | 1 | 1 | 1 | 0 |

Source: Annual Health Bulletin 2014, MoH, Thimphu.

**Table 2.17: Number of Tuberculosis Cases by Type and Deaths, Bhutan (2008-2013)**

(Numbers)

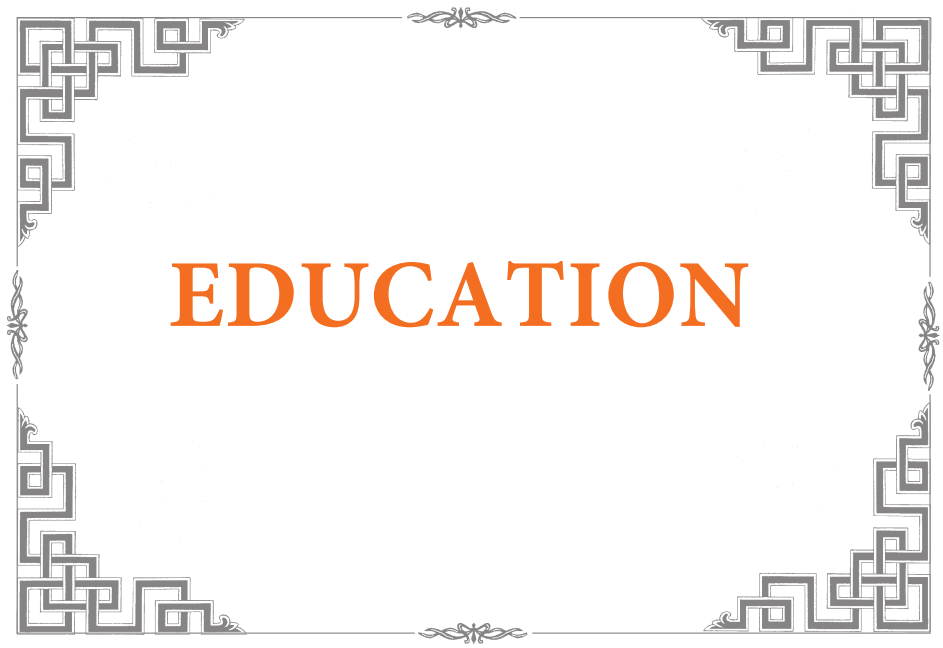
| Year | Type of TB cases | | | Total cases | Total deaths |
|---|---|---|---|---|---|
| | Pulmonary Positive | Pulmonary Negative | Extra Pulmonary | | |
| 2008 | 421 | 146 | 418 | 985 | 20 |
| 2009 | 510 | 287 | 357 | 1,154 | 31 |
| 2010 | 539 | 275 | 518 | 1,332 | 38 |
| 2011 | 452 | 225 | 573 | 1,250 | 17 |
| 2012 | 499 | 130 | 527 | 1,156 | 32 |
| 2013 | 524 | 120 | 471 | 1,115 | 13 |

Source: Annual Health Bulletin 2014, MoH, Thimphu.

**Table 2.18: Types of Water and Sanitation Facility by Dzongkhag, Bhutan 2013**

| Dzongkhag | Percentage Coverage | | | | | | |
|---|---|---|---|---|---|---|---|
| | Latrine | Water Supply | House-hold with Function-al Piped water | Drainage & Foot-path | House-hold with Animal Shed | House-hold with Vege-table Garden | House-hold with Garbage Pit |
| Bumthang | 100.0 | 99.7 | 99.7 | 86.8 | 36.0 | 94.2 | 91.2 |
| Chhukha | 92.4 | 92.0 | 89.4 | 75.2 | 39.7 | 63.6 | 82.7 |
| Dagana | 96.1 | 94.7 | 87.6 | 72.8 | 64.3 | 83.0 | 82.3 |
| Gasa | 84.4 | 97.8 | 97.4 | 41.7 | 55.4 | 74.9 | 75.6 |
| Haa | 102.8 | 96.4 | 95.9 | 85.5 | 35.7 | 69.8 | 62.3 |
| Lhuentse | 99.4 | 99.7 | 99.5 | 83.8 | 72.6 | 85.6 | 93.1 |
| Monggar | 94.8 | 96.7 | 95.0 | 77.3 | 60.9 | 75.7 | 89.0 |
| Paro | 97.0 | 96.5 | 93.2 | 76.7 | 25.5 | 72.5 | 75.9 |
| Pema Gatshel | 96.9 | 96.0 | 83.7 | 50.5 | 41.8 | 82.3 | 58.9 |
| Punakha | 97.2 | 91.2 | 87.9 | 78.4 | 39.8 | 65.2 | 82.9 |
| Samdrup Jongkhar | 93.7 | 97.1 | 95.5 | 72.2 | 44.5 | 71.1 | 73.3 |
| Samtse | 99.6 | 99.1 | 98.2 | 54.3 | 66.5 | 73.4 | 110.1 |
| Sarpang | 98.4 | 96.2 | 95.8 | 77.8 | 54.2 | 68.6 | 87.6 |
| Thimphu | 97.0 | 96.8 | 95.7 | 65.2 | 24.0 | 70.9 | 51.0 |
| Trashigang | 91.7 | 96.7 | 94.2 | 53.6 | 49.0 | 77.6 | 65.4 |
| Trashi Yangtse | 98.2 | 96.4 | 85.6 | 69.1 | 60.9 | 83.4 | 86.0 |
| Trongsa | 88.6 | 97.6 | 96.6 | 47.6 | 30.5 | 64.8 | 54.1 |
| Tsirang | 96.0 | 92.9 | 89.6 | 34.8 | 61.9 | 83.0 | 70.4 |
| Wangdue Phodrang | 95.0 | 79.7 | 76.1 | 74.5 | 40.9 | 56.6 | 84.0 |
| Zhemgang | 98.2 | 98.6 | 96.9 | 65.9 | 47.6 | 88.7 | 71.3 |
| Bhutan | 96.1 | 95.5 | 92.6 | 67.2 | 48.5 | 74.0 | 80.4 |

Source: Annual Health Bulletin 2014, MoH, Thimphu.



# EDUCATION

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

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

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

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

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

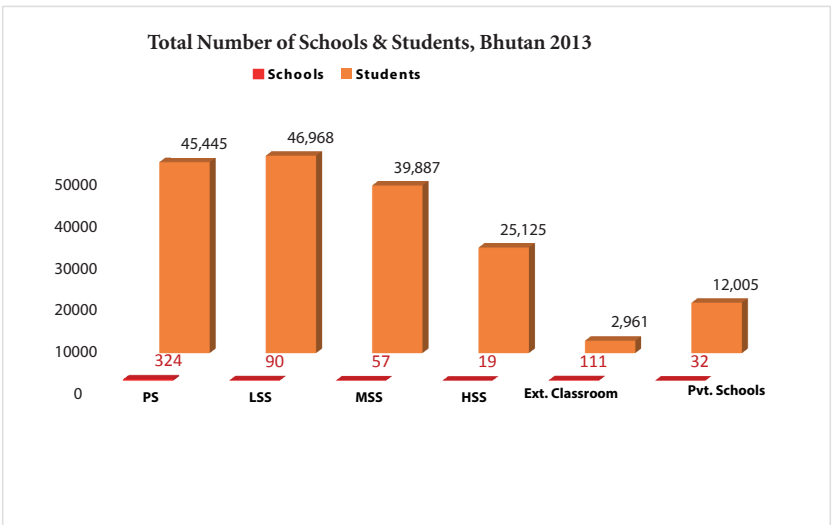


**Table 3.1: Number of Schools, Institutes & Centres, Bhutan 2013**

(Numbers)

| School/ Institutes/ Centres | Government | Private | Total |
|---|---|---|---|
| ECCD Centre | 82 | 83 | 165 |
| Primary School | 336 | 12 | 348 |
| Lower Secondary School | 91 | 1 | 92 |
| Middle Secondary School | 59 | 2 | 61 |
| Higher Secondary School | 36 | 17 | 53 |
| Extended Classroom | 111 | … | 111 |
| Special Institute [1] | 8 | … | 8 |
| Tertiary Institute under RUB | 10 | 1 | 11 |
| Vocational Institute | 8 | … | 8 |
| Sanskrit Patshala | 1 | … | 1 |
| Monastic Education (Lobdra, Shedra, etc) [2] | 388 | … | 388 |
| Continuing Education Centres | 11 | 10 | 21 |
| Non-Formal Centres | 885 | … | 885 |

[1] Muenselling Institute, Drugyel LSS Deaf Unit, and six regular schools offering special education.
[2] The monastic Institutes reflected under Government is based on 2011 data.
Source: Annual Education Statistics 2013, MoE.

**Table 3.2: Number of Students, Learners, Trainees and Novitiates, Bhutan 2013**

(Numbers)

| Details | Government | | | Private | | | Total | | |
|---|---|---|---|---|---|---|---|---|---|
| | Boys | Girls | Total | Boys | Girls | Total | Boys | Girls | Total |
| Early Childhood Development | | | | | | | | | |
| ECCD Centres | 1,064 | 1,024 | 2,088 | 894 | 853 | 1,747 | 1,958 | 1,877 | 3,835 |
| School Education | | | | | | | | | |
| Primary Schools | 22,518 | 22,927 | 45,445 | 1,086 | 980 | 2,066 | 23,604 | 23,907 | 47,511 |
| Lower Secondary Schools | 23,508 | 23,460 | 46,968 | 138 | 140 | 278 | 23,646 | 23,600 | 47,246 |
| Middle Secondary Schools | 20,296 | 19,591 | 39,887 | 663 | 603 | 1,266 | 20,959 | 20,194 | 41,153 |
| Higher Secondary Schools | 12,643 | 12,482 | 25,125 | 4,041 | 4,354 | 8,395 | 16,684 | 16,836 | 33,520 |
| Extended Classroom | 1,440 | 1,521 | 2,961 | … | … | … | 1,440 | 1,521 | 2,961 |
| Sub-Total | 80,405 | 79,981 | 160,386 | 5,928 | 6,077 | 12,005 | 86,333 | 86,058 | 172,391 |
| Bhutanese students studying in India [1] | … | … | … | 222 | 128 | 350 | 222 | 128 | 350 |
| Sub-Total | 80,405 | 79,981 | 160,386 | 6,150 | 6,205 | 12,355 | 86,555 | 86,186 | 172,741 |
| Special Institutes [2] | 249 | 175 | 424 | … | … | … | 249 | 175 | 424 |
| Continuing Education | 240 | 227 | 467 | 773 | 837 | 1,610 | 1,013 | 1,064 | 2,077 |
| Tertiary Education | | | | | | | | | |
| Tertiary Institutes under RUB [3] | 4,859 | 3,430 | 8,289 | 479 | 489 | 968 | 5,338 | 3,919 | 9,257 |
| Tertiary Students in India | 340 | 114 | 454 | 1,770 | 1,391 | 3,161 | 2,110 | 1,505 | 3,615 |
| Tertiary Students abroad | 167 | 114 | 281 | 24 | 60 | 84 | 191 | 174 | 365 |
| Sub-Total | 5,606 | 3,885 | 9,491 | 3,046 | 2,777 | 5,823 | 8,652 | 6,662 | 15,314 |
| Vocational institutes | 655 | 447 | 1,102 | … | … | … | 655 | 447 | 1,102 |
| Monastic Education (Lobdra, Shredra,etc) | 7,240 | … | 7,240 | 5,149 | … | 5,149 | 12,389 | … | 12,389 |
| Non-Formal Centres | 2,435 | 7,193 | 9,628 | … | … | … | 2,435 | 7,193 | 9,628 |
| Sanskrit Patshala | 5 | 2 | 7 | … | … | … | 5 | 2 | 7 |
| Total | 97,410 | 92,532 | 189,942 | 15,239 | 9,835 | 25,074 | 112,649 | 102,367 | 215,016 |

[1] Bhutanese Student studying in India in class PP-XII based on 2012 figures.
[2] All special needs children enrolled in Muenseling Institute as well as in formal school included under this category.
[3] Including Private Tertiary enrolment in Royal Thimphu College.
Source: Annual Education Statistics 2013, MoE.

**Table 3.3: Summary of Teachers, Lecturers, Instructors, Trainers and Caregivers, Bhutan 2013**

(Numbers)

| Details | Government | | | Private | | | Total | | |
|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Early Childhood Development | | | | | | | | | |
| ECCD Centres | 1 | 115 | 116 | 11 | 203 | 214 | 12 | 318 | 330 |
| School Education | | | | | | | | | |
| Primary Schools | 1,525 | 814 | 2,339 | 49 | 107 | 156 | 1,574 | 921 | 2,495 |
| Lower Secondary Schools | 1,106 | 987 | 2,093 | 10 | 11 | 21 | 1,116 | 998 | 2,114 |
| Middle Secondary Schools | 1,075 | 822 | 1,897 | 40 | 68 | 108 | 1,115 | 890 | 2,005 |
| Higher Secondary Schools | 869 | 478 | 1,347 | 300 | 132 | 432 | 1,169 | 610 | 1,779 |
| Extended Classroom | 114 | 23 | 137 | … | … | … | 114 | 23 | 137 |
| Muenselling Institute | 9 | 3 | 12 | … | … | … | 9 | 3 | 12 |
| Sub-Total | 4,698 | 3,127 | 7,825 | 399 | 318 | 717 | 5,097 | 3,445 | 8,542 |
| Special Education Schools [1] | 92 | 83 | 175 | … | … | … | 92 | 83 | 175 |
| Tertiary Institutes under RUB | 383 | 112 | 495 | 44 | 22 | 66 | 427 | 134 | 561 |
| Vocational institutes | 111 | 25 | 136 | … | … | … | 111 | 25 | 136 |
| Sanskirt Patshala | 2 | … | 2 | … | … | … | 2 | … | 2 |
| Sub-Total | 496 | 137 | 633 | 44 | 22 | 66 | 540 | 159 | 699 |
| Non-Formal Centres | 244 | 631 | 875 | … | … | … | 244 | 631 | 875 |
| Total | 5,606 | 3,906 | 9,512 | 387 | 397 | 784 | 5,993 | 4,303 | 10,296 |

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

Source: Annual Education Statistics 2013, MoE.

**Table 3.4: Number of Schools by Type and Dzongkhag, Bhutan 2013**

(Numbers)

| Dzongkhag | ECR | Private HSS | Public HSS | Private LSS | Public LSS | Private MSS | Public MSS | Private PS | Public PS | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| Bumthang | 1 | 1 | 1 | ... | 2 | ... | 3 | ... | 12 | 20 |
| Phuentsholing Thromde | ... | 1 | 1 | 1 | 1 | ... | 1 | ... | ... | 5 |
| Chhukha | 8 | ... | 2 | ... | 3 | ... | 6 | ... | 26 | 45 |
| Dagana | 7 | ... | 2 | ... | 5 | ... | 3 | ... | 13 | 30 |
| Gasa | 2 | ... | ... | ... | 1 | ... | 1 | ... | 2 | 6 |
| Haa | 3 | 1 | 1 | ... | 3 | ... | ... | ... | 5 | 13 |
| Lhuentse | 10 | ... | 1 | ... | 3 | ... | 2 | ... | 14 | 30 |
| Monggar | 6 | 1 | 3 | ... | 7 | ... | 2 | ... | 37 | 56 |
| Paro | 2 | 4 | 2 | ... | 6 | ... | 4 | 3 | 6 | 27 |
| Pema Gatshel | 7 | ... | 2 | ... | 6 | ... | 1 | ... | 19 | 35 |
| Punakha | 8 | 1 | 1 | ... | 3 | ... | 5 | ... | 10 | 28 |
| Samdrup Jongkhar Thromde | ... | 1 | | ... | ... | ... | 1 | 1 | 2 | 5 |
| Samdrup Jongkhar | 7 | ... | 2 | ... | 4 | ... | 4 | ... | 15 | 32 |
| Samtse | 23 | ... | 3 | ... | 7 | ... | 3 | ... | 19 | 55 |
| Gelephu Thromde | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... | 3 |
| Sarpang | 4 | 1 | 1 | ... | 6 | ... | 2 | ... | 11 | 25 |
| Thimphu Thromde | ... | 4 | 2 | ... | 5 | 2 | 5 | 7 | 7 | 32 |
| Thimphu | 2 | 1 | 0 | ... | 2 | ... | 2 | 1 | 5 | 13 |
| Trashigang | 7 | ... | 4 | ... | 10 | ... | 5 | ... | 41 | 67 |
| Trashi Yangtse | 1 | ... | 1 | ... | 6 | ... | 2 | ... | 20 | 30 |
| Trongsa | 1 | ... | 2 | ... | 2 | ... | 1 | ... | 19 | 25 |
| Tsirang | 3 | ... | 1 | ... | 2 | ... | 1 | ... | 11 | 18 |
| Wangdue Pho-drang | 8 | ... | 2 | ... | 3 | ... | 2 | ... | 19 | 34 |
| Zhemgang | 1 | ... | 1 | ... | 3 | ... | 3 | ... | 23 | 31 |
| Total | 111 | 17 | 36 | 1 | 91 | 2 | 59 | 12 | 336 | 665 |

Source: Annual Education Statistics 2013, MoE.

## Table 3.5: Number of Teachers in Schools by Sex, Bhutan (2009-2013)

(Numbers)

| Details | 2009 | | | 2010 | | | 2011 | | | 2012 | | | 2013 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Community Primary Schools [1] | 991 | 290 | 1,281 | 991 | 386 | 1,377 | 1,072 | 299 | 1,371 | ... | ... | ... | ... | ... | ... |
| Pvt Community Primary School | 5 | 2 | 7 | 4 | 3 | 7 | 6 | 3 | 9 | ... | ... | ... | ... | ... | ... |
| Primary Schools | 500 | 431 | 931 | 435 | 461 | 896 | 460 | 437 | 897 | 1,548 | 787 | 2,335 | 1,525 | 814 | 2,339 |
| Pvt Primary Schools | 36 | 86 | 122 | 43 | 82 | 125 | 34 | 68 | 102 | 44 | 88 | 132 | 49 | 107 | 156 |
| Lower Secondary Schools | 904 | 881 | 1,785 | 919 | 938 | 1,857 | 1,005 | 944 | 1,949 | 1,032 | 944 | 1,976 | 1,106 | 987 | 2,093 |
| Pvt Lower Secondary Schools | 18 | 32 | 50 | 19 | 23 | 42 | 18 | 35 | 53 | 8 | 13 | 21 | 10 | 11 | 21 |
| Middle Secondary Schools | 734 | 540 | 1,274 | 797 | 636 | 1,433 | 924 | 696 | 1,620 | 954 | 731 | 1,685 | 1,075 | 822 | 1,897 |
| Pvt Middle Secondary School | 12 | 15 | 27 | ... | ... | ... | 14 | 20 | 34 | 35 | 54 | 89 | 40 | 68 | 108 |
| Higher Secondary Schools | 598 | 314 | 912 | 659 | 387 | 1,046 | 699 | 374 | 1,073 | 772 | 421 | 1,193 | 869 | 478 | 1,347 |
| Pvt Higher Secondary schools | 202 | 77 | 279 | 173 | 111 | 284 | 244 | 85 | 329 | 257 | 98 | 355 | 300 | 132 | 432 |
| Extended Classroom | ... | ... | ... | ... | ... | ... | 101 | 15 | 116 | 125 | 21 | 146 | 114 | 23 | 137 |
| Special Institute (Muenseling) | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 9 | 3 | 12 |
| Total | 4,000 | 2,668 | 6,668 | 4,040 | 3,027 | 7,067 | 4,577 | 2,976 | 7,553 | 4,775 | 3,157 | 7,932 | 5,097 | 3,445 | 8,542 |

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

Source: Annual Education Statistics 2013, MoE.

**Table 3.6: Enrolment in Schools and Institutions, Bhutan (2009-2013)**

(Numbers)

| Institutions | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|
| Schools | 164,262 | 170,405 | 173,947 | 176,647 | 172,391 |
| Community Primary Schools [1] | 31,090 | 30,232 | 29,569 | ... | ... |
| Primary Schools | 23,565 | 24,586 | 22,510 | 50,733 | 47,511 |
| Lower Secondary Schools | 48,153 | 49,375 | 50,102 | 49,998 | 47,246 |
| Middle Secondary Schools | 33,891 | 37,871 | 40,097 | 39,963 | 41,153 |
| Higher Secondary Schools | 18,880 | 28,341 | 28,799 | 32,702 | 33,520 |
| Extended Classroom | ... | ... | 2,870 | 3,251 | 2,961 |
| Tertiary Education Institutes (RUB) [2] | 4,715 | 5,243 | 6,315 | 7,400 | 9,350 |
| College of Natural Resources, Lobesa | 147 | 151 | 151 | 369 | 416 |
| College of Science and Technology, Rinchending | 292 | 384 | 477 | 641 | 730 |
| Institute of Language and Culutural Studies, Simtokha | 339 | 345 | 418 | 550 | 841 |
| Jigme Namgyal Polytechnic, Dewathang | 345 | 320 | 413 | 574 | 703 |
| National Institute of Traditional Medicines, Thimphu | 40 | 42 | 51 | 65 | 61 |
| Paro College of Education, Paro | 1,062 | 907 | 849 | 1,239 | 1,416 |
| Royal Institute of Health Sciences, Thimphu | 257 | 314 | 355 | 362 | 385 |
| Samtse College of Education, Samtse | 966 | 664 | 657 | 1,190 | 1,173 |
| Sherubtse College, Kanglung | 772 | 938 | 1,068 | 1,229 | 1,336 |
| Gaeddu College of Business Studies | 495 | 861 | 995 | 1,181 | 1,228 |
| Royal Thimphu College (Pvt) | ... | 317 | 881 | ... | 1,061 |
| Vocational Institutes | ... | ... | ... | ... | 1,102 |
| TTI-Chumey | ... | ... | ... | ... | 164 |
| TTI Khuruthang | ... | ... | ... | ... | 98 |
| TTI- Rangjung | ... | ... | ... | ... | 234 |
| TTI- Samthang | ... | ... | ... | ... | 66 |
| TTI- Serzhong | ... | ... | ... | ... | 94 |
| TTI-Thimphu | ... | ... | ... | ... | 51 |
| IZC- Thimphu | ... | ... | ... | ... | 223 |
| IZC- Tyangtse | ... | ... | ... | ... | 172 |
| Special Education Institutes/ School | 66 | 283 | ... | 343 | 431 |
| Special Education | 48 | n.a | ... | ... | 424 |
| Sanskrit patshala | 18 | n.a | 5 | ... | 7 |
| Others | 13,523 | 13,171 | 26,877 | 28,335 | 25,852 |
| ECCD Centres | 363 | 659 | 1,520 | 2,586 | 3,835 |
| Non-formal Education Centres | 13,160 | 12,901 | 12,968 | 13,360 | 9,628 |
| Monastic education (Lobdra,Shedra etc.) | ... | 12,512 | 12,389 | 12,389 | 12,389 |

[1] Community Primary Schools merged with Primary School after 2011.
[2] RUB has been delinked from MoE in 2011.
Source: Annual Education Statistics 2013, MoE.

**Table 3.7: Number and Percent Share of Students per Dzongkhag by Type of Schools, Bhutan 2013**

| Dzongkhag | ECR | | PS | | LSS | | MSS | | HSS | | Grand Total | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Total | % | Total | % | Total | % | Total | % | Total | % | Total | % |
| Bumthang | 20 | 0.7 | 1,062 | 2.2 | 1,046 | 2.2 | 1,113 | 2.7 | 710 | 2.1 | 3,951 | 2.3 |
| Phuentsholing Thromde | … | … | … | … | 2,569 | 5.4 | 895 | 2.2 | 1,541 | 4.6 | 5,005 | 2.9 |
| Chhukha | 196 | 6.6 | 3,745 | 7.9 | 1,320 | 2.8 | 4,704 | 11.4 | 1,661 | 5.0 | 11,626 | 6.7 |
| Dagana | 224 | 7.6 | 2,029 | 4.3 | 1,652 | 3.5 | 2,423 | 5.9 | 1,206 | 3.6 | 7,534 | 4.4 |
| Gasa | 48 | 1.6 | 136 | 0.3 | 155 | 0.3 | 400 | 1.0 | … | … | 739 | 0.4 |
| Haa | 123 | 4.2 | 705 | 1.5 | 1,486 | 3.1 | … | … | 847 | 2.5 | 3,161 | 1.8 |
| Lhuentse | 155 | 5.2 | 1,568 | 3.3 | 778 | 1.6 | 854 | 2.1 | 483 | 1.4 | 3,838 | 2.2 |
| Monggar | 108 | 3.6 | 3,366 | 7.1 | 3,010 | 6.4 | 1,094 | 2.7 | 2,535 | 7.6 | 10,113 | 5.9 |
| Paro | 62 | 2.1 | 1,780 | 3.7 | 3,240 | 6.9 | 2,594 | 6.3 | 2,965 | 8.8 | 10,641 | 6.2 |
| P/ Gatshel | 169 | 5.7 | 1,644 | 3.5 | 2,540 | 5.4 | 696 | 1.7 | 1,041 | 3.1 | 6,090 | 3.5 |
| Punakha | 215 | 7.3 | 1,594 | 3.4 | 1,361 | 2.9 | 2,706 | 6.6 | 1,761 | 5.3 | 7,637 | 4.4 |
| S/Jongkhar Thromde | … | … | 1,369 | 2.9 | … | … | 649 | 1.6 | 111 | 0.3 | 2,129 | 1.2 |
| S/ Jongkhar | 162 | 5.5 | 2,009 | 4.2 | 1,607 | 3.4 | 2,280 | 5.5 | 659 | 2.0 | 6,717 | 3.9 |
| Samtse | 874 | 29.5 | 3,435 | 7.2 | 4,240 | 9.0 | 3,646 | 8.9 | 3,677 | 11.0 | 15,872 | 9.2 |
| Gelephu Thromde | … | … | … | … | 1,838 | 3.9 | … | … | 1,528 | 4.6 | 3,366 | 2.0 |
| Sarpang | 124 | 4.2 | 1,843 | 3.9 | 3,071 | 6.5 | 2,407 | 5.8 | 792 | 2.4 | 8,237 | 4.8 |
| Thimphu Thromde | … | … | 5518 | 11.6 | 5,442 | 11.5 | 6,783 | 16.5 | 5,556 | 16.6 | 23,299 | 13.5 |
| Thimphu | 28 | 0.9 | 766 | 1.6 | 566 | 1.2 | 1,253 | 3.0 | 252 | 0.8 | 2,865 | 1.7 |
| Trashigang | 105 | 3.5 | 3,909 | 8.2 | 3,422 | 7.2 | 2,163 | 5.3 | 2,175 | 6.5 | 11,774 | 6.8 |
| T/ Yangtse | 11 | 0.4 | 1,318 | 2.8 | 2,191 | 4.6 | 1,001 | 2.4 | 520 | 1.6 | 5,041 | 2.9 |
| Trongsa | 11 | 0.4 | 1,768 | 3.7 | 567 | 1.2 | 335 | 0.8 | 976 | 2.9 | 3,657 | 2.1 |
| Tsirang | 74 | 2.5 | 2,423 | 5.1 | 1,932 | 4.1 | 668 | 1.6 | 848 | 2.5 | 5,945 | 3.4 |
| W/Phodrang | 240 | 8.1 | 3,550 | 7.5 | 2,186 | 4.6 | 965 | 2.3 | 1,273 | 3.8 | 8,214 | 4.8 |
| Zhemgang | 12 | 0.4 | 1,974 | 4.2 | 1,027 | 2.2 | 1,524 | 3.7 | 403 | 1.2 | 4,940 | 2.9 |
| Total | 2,961 | 100 | 47,511 | 100 | 47,246 | 100 | 41,153 | 100 | 33,520 | 100 | 172,391 | 100 |

Source: Annual Education Statistics 2013, MoE.

## Table 3.8: Comparative Enrolment by Grade and Type of Schools, Bhutan (2012-2013)

| Class | Private Schools | | | | Extended Classroom | | | | Primary School | | | | Lower & Middle Secondary Schools | | | | Higher Secondary Schools | | | | Total | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2012 | 2013 | +or- | % | 2012 | 2013 | +or- | % | 2012 | 2013 | +or- | % | 2012 | 2013 | +or- | % | 2012 | 2013 | +or- | % | 2012 | 2013 | +or- | % |
| PP | 853 | 885 | 32 | 3.8 | 856 | 754 | (102) | (11.9) | 6,014 | 5,479 | (535) | (8.9) | 5,491 | 5,067 | (424) | (7.7) | 338 | 248 | (90) | (26.6) | 13,552 | 12,433 | (1,119) | (8.3) |
| I | 607 | 607 | 0 | 0.0 | 1,028 | 771 | (257) | (25.0) | 7,193 | 5,794 | (1,399) | (19.4) | 6,465 | 5,937 | (528) | (8.2) | 501 | 240 | (261) | (52.1) | 15,794 | 13,349 | (2,445) | (15.5) |
| II | 497 | 528 | 31 | 6.2 | 804 | 916 | 112 | 13.9 | 7,481 | 6,983 | (498) | (6.7) | 7,608 | 6,787 | (821) | (10.8) | 571 | 323 | (248) | (43.4) | 16,961 | 15,537 | (1,424) | (8.4) |
| III | 389 | 457 | 68 | 17.5 | 531 | 520 | (11) | (2.1) | 7,631 | 6,854 | (777) | (10.2) | 7,655 | 7,564 | (91) | (1.2) | 511 | 485 | (26) | (5.1) | 16,717 | 15,880 | (837) | (5.0) |
| IV | 304 | 383 | 79 | 26.0 | 13 | 0 | (13) | (100.0) | 7,675 | 7,876 | 201 | 2.6 | 8,294 | 8,332 | 38 | 0.5 | 453 | 505 | 52 | 11.5 | 16,739 | 17,096 | 357 | 2.1 |
| V | 258 | 285 | 27 | 10.5 | 19 | 0 | (19) | 0.0 | 6,852 | 6,648 | (204) | (3.0) | 8,110 | 8,153 | 43 | 0.5 | 518 | 420 | (98) | (18.9) | 15,757 | 15,506 | (251) | (1.6) |
| VI | 217 | 261 | 44 | 20.3 | 0 | 0 | 0 | 0.0 | 5,959 | 5,811 | (148) | (2.5) | 8,331 | 7,963 | (368) | (4.4) | 512 | 487 | (25) | (4.9) | 15,019 | 14,522 | (497) | (3.3) |
| Sub-Total | 3,125 | 3,406 | 281 | 9.0 | 3,251 | 2,961 | (290) | (8.9) | 48,805 | 45,445 | (3,360) | (6.9) | 51,954 | 49,803 | (2,151) | (4.1) | 3,404 | 2,708 | (696) | (20.4) | 110,539 | 104,323 | (6,216) | (5.6) |
| VII | 112 | 114 | 2 | 1.8 | … | … | … | … | … | … | … | … | 13,168 | 13,560 | 392 | 3.0 | 1,053 | 1,299 | 246 | 23.4 | 14,333 | 14,973 | 640 | 4.5 |
| VIII | 113 | 146 | 33 | 29.2 | … | … | … | … | … | … | … | … | 12,246 | 11,846 | (400) | (3.3) | 1,171 | 1,053 | (118) | (10.1) | 13,530 | 13,045 | (485) | (3.6) |
| Sub-Total | 225 | 260 | 35 | 15.6 | … | … | … | … | … | … | … | … | 25,414 | 25,406 | (8) | (0.0) | 2,224 | 2,352 | 128 | 5.8 | 27,863 | 28,018 | 155 | 0.6 |
| IX | 65 | 103 | 38 | 58.5 | … | … | … | … | … | … | … | … | 6,269 | 6,431 | 162 | 2.6 | 6,038 | 6,282 | 244 | 4.0 | 12,372 | 12,816 | 444 | 3.6 |
| X | 92 | 138 | 14 | 15.2 | … | … | … | … | … | … | … | … | 4,917 | 5,215 | 298 | 6.1 | 5,506 | 5,412 | (94) | (1.7) | 10,515 | 10,765 | 250 | 2.4 |
| Sub-Total | 157 | 241 | 52 | 33.1 | … | … | … | … | … | … | … | … | 11,186 | 11,646 | 460 | 4.1 | 11,544 | 11,694 | 150 | 1.3 | 22,887 | 23,581 | 694 | 3.0 |
| XI | 3,123 | 3,471 | 348 | 11.1 | … | … | … | … | … | … | … | … | … | … | … | … | 4,669 | 4,399 | (270) | (5.8) | 7,792 | 7,870 | 78 | 1.0 |
| XII | 3,586 | 4,627 | 28 | 0.8 | … | … | … | … | … | … | … | … | … | … | … | … | 4,268 | 3,972 | (296) | (6.9) | 7,854 | 8,599 | 745 | 9.5 |
| Sub-Total | 6,709 | 8,098 | 376 | 5.6 | … | … | … | … | … | … | … | … | … | … | … | … | 8,937 | 8,371 | (566) | (6.3) | 15,646 | 16,469 | 823 | 5.3 |
| VII-X | 382 | 501 | 87 | 22.8 | … | … | … | … | … | … | … | … | 36,600 | 37,052 | 452 | 1.2 | 13,768 | 14,046 | 278 | 2.0 | 50,750 | 51,599 | 849 | 1.7 |
| Total | 10,216 | 12,005 | 744 | 7.3 | 3,251 | 2,961 | (290) | (8.9) | 48,805 | 45,445 | (3,360) | (6.9) | 88,554 | 86,855 | (1,699) | (1.9) | 26,109 | 25,125 | (984) | (3.8) | 176,935 | 172,391 | (4,544) | (2.6) |

Source: Annual Education Statistics 2013, MoE.

**Table 3.9: Number of Students by Grade, Bhutan (2009-2013)**

(Numbers)

| Grade | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|
| Primary grade | 107,700 | 110,369 | 111,173 | 110,575 | 104,323 |
| Pre-primary/PP | 17,108 | 17,165 | 15,581 | 13,464 | 12,433 |
| I | 16,316 | 16,732 | 16,746 | 15,843 | 13,349 |
| II | 15,921 | 16,246 | 17,082 | 16,967 | 15,537 |
| III | 15,900 | 15,808 | 16,020 | 16,721 | 15,880 |
| IV | 15,194 | 16,363 | 16,569 | 16,750 | 17,096 |
| V | 14,362 | 14,225 | 15,369 | 15,773 | 15,506 |
| VI | 12,899 | 13,830 | 13,806 | 15,057 | 14,522 |
| Lower Secondary grade | 24,297 | 24,904 | 26,568 | 27,887 | 28,018 |
| VII | 12,850 | 13,088 | 14,150 | 14,359 | 14,973 |
| VIII | 11,447 | 11,816 | 12,418 | 13,528 | 13,045 |
| Middle Secondary grade | 19,308 | 21,818 | 22,266 | 22,941 | 23,581 |
| IX | 10,551 | 11,525 | 11,876 | 12,408 | 12816 |
| X | 8,757 | 10,293 | 10,390 | 10,533 | 10765 |
| Higher Secondary school | 11,815 | 13,314 | 13,940 | 15,244 | 16,469 |
| XI | 5,990 | 6,446 | 6,687 | 7,386 | 7,870 |
| XII | 5,825 | 6,868 | 7,253 | 7,858 | 8,599 |
| Total | 164,262 | 170,405 | 173,947 | 176,647 | 172,391 |

Source: Annual Education Statistics 2013, MoE.

**Table 3.10: Coefficient of Internal Efficiency in percentage by Grade & Sex, Bhutan 2012**

| Both Sexes, 2013 | Grade | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | PP | I | II | III | IV | V | VI | VII | VIII | IX | X | Graduates |
| Promotion rate | 93.6% | 91.8% | 89.3% | 93.2% | 86.7% | 88.8% | 93.0% | 87.4% | 91.3% | 86.2% | 95.6% | |
| Repetition rate | 4.6% | 4.7% | 5.9% | 4.3% | 9.0% | 6.3% | 3.4% | 6.8% | 3.7% | 3.8% | 0.6% | |
| Dropout rate | 1.8% | 3.5% | 4.8% | 2.5% | 4.3% | 4.9% | 3.6% | 5.8% | 5.1% | 10.0% | 3.7% | |
| Adjusted promotion rate | 93.58% | 91.79% | 89.32% | 93.20% | 86.65% | 88.80% | 92.99% | 87.39% | 91.26% | 86.23% | 95.64% | |
| Survivors to the Grade | 1,000.0 | 980.9 | 945.1 | 896.8 | 873.7 | 832.2 | 788.6 | 759.3 | 711.7 | 674.2 | 604.3 | 581.6 |
| Average study time at Grade | 1.0 | 1.0 | 1.1 | 1.0 | 1.1 | 1.1 | 1.0 | 1.1 | 1.0 | 1.0 | 1.0 | 11.6 |
| Pupil-years invested per Graduate | | | | | | | | | | | | 16.4 |
| Coefficient of Internal Efficiency | | | | | | | | | | | | 67.0% |
| Boys | Grade | | | | | | | | | | | |
| | PP | I | II | III | IV | V | VI | VII | VIII | IX | X | Graduates |
| Promotion rate | 93.34% | 91.16% | 88.35% | 92.73% | 84.81% | 87.61% | 91.77% | 86.80% | 90.68% | 87.32% | 95.79% | |
| Repetition rate | 5.12% | 5.71% | 6.53% | 4.89% | 10.26% | 7.29% | 4.05% | 6.81% | 3.65% | 3.36% | 0.78% | |
| Dropout rate | 1.54% | 3.13% | 5.12% | 2.38% | 4.93% | 5.10% | 4.18% | 6.39% | 5.67% | 9.32% | 3.43% | |
| Adjusted promotion rate | 93.34% | 91.16% | 88.35% | 92.73% | 84.81% | 87.61% | 91.77% | 86.80% | 90.68% | 87.32% | 95.79% | |
| Survivors to the Grade | 1,000.0 | 983.8 | 951.1 | 898.9 | 876.5 | 828.3 | 782.7 | 748.6 | 697.2 | 656.2 | 592.9 | 572.4 |
| Average study time at Grade | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.0 | 1.1 | 1.0 | 1.0 | 1.0 | 11.6 |
| Pupil-years invested per Graduate | | | | | | | | | | | | 16.7 |

*(continued on next page)*

**Table 3.10: Coefficient of Internal Efficiency in percentage by Grade & Sex, Bhutan 2012** *(continued)*

| Both Sexes, 2013 | Grade | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | PP | I | II | III | IV | V | VI | VII | VIII | IX | X | Graduates |
| Coefficient of Internal Efficiency | | | | | | | | | | | | 65.9% |
| Girls | Grade | | | | | | | | | | | |
| | PP | I | II | III | IV | V | VI | VII | VIII | IX | X | Graduates |
| Promotion rate | 93.83% | 92.43% | 90.32% | 93.67% | 88.45% | 90.01% | 94.20% | 87.96% | 91.77% | 85.24% | 95.50% | |
| Repetition rate | 4.05% | 3.74% | 5.18% | 3.79% | 7.81% | 5.28% | 2.80% | 6.72% | 3.68% | 4.19% | 0.45% | |
| Dropout rate | 2.12% | 3.83% | 4.50% | 2.54% | 3.73% | 4.71% | 3.00% | 5.32% | 4.56% | 10.57% | 4.05% | |
| Adjusted promotion rate | 93.83% | 92.43% | 90.32% | 93.67% | 88.45% | 90.01% | 94.20% | 87.96% | 91.77% | 85.24% | 95.50% | |
| Survivors to the Grade | 1,000.0 | 977.9 | 939.0 | 894.5 | 870.9 | 835.6 | 794.1 | 769.6 | 725.7 | 691.4 | 615.1 | 590.1 |
| Average study time at Grade | 1.0 | 1.0 | 1.1 | 1.0 | 1.1 | 1.1 | 1.0 | 1.1 | 1.0 | 1.0 | 1.0 | 11.5 |
| Pupil-years invested per Graduate | | | | | | | | | | | | 16.2 |
| Coefficient of Internal Efficiency | | | | | | | | | | | | 68.0% |

Source: Annual Education Statistics 2013, MoE.

# 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 is also a good deal of small cottage industry often undertaken in the home. The number of person working for wages is relatively small.

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

The National Statistics Bureau (NSB) conducted two consecutive Labour Force Surveys in 1998 and 2000. At present the Labour Market Information and Research Division (LMIRD) of the Department of Employment (DoE) under the Ministry of Labour and Human Resources (MoLHR) is conducting the Labour Force Surveys. Labour statistics presented in this chapter are mostly from Labour Force Survey (LFS) Report 2013 and Civil Service Statistics, December 2013, published by Royal Civil Service Commission (RCSC).

As per the findings from Labour Force Survey 2013, agriculture sector employs over 55 percent of the total employed persons. The employed persons comprise of all those who had performed some work, paid in cash or kind, during the reference period (past one week) for at least one hour or the person has a job or business formally attached but temporally absent from the work.

A total of 335,870 were employed and 9,916 were found to be unemployed out of total projected population of 745,939 in 2013, making unemployment rate at the national level by 2.9 percent as per the Labour Force Survey 2013.

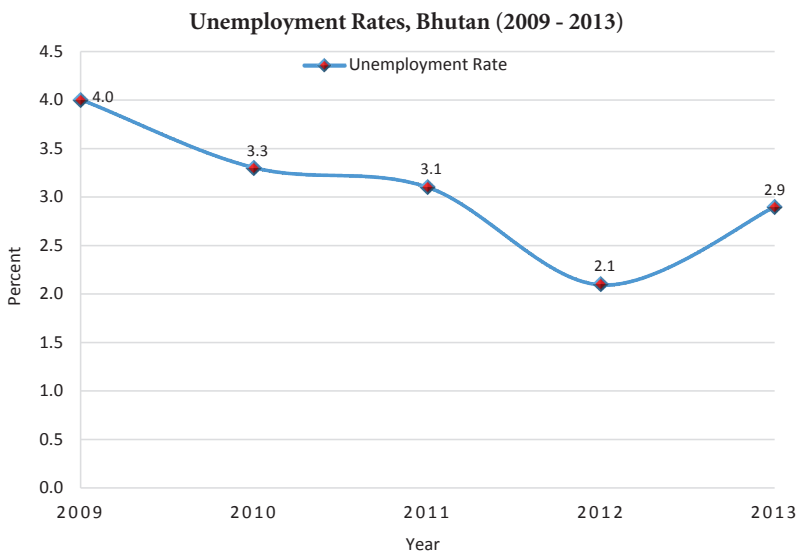


**Table 4.1: Type of Employment in Civil Servants by Position Category, Bhutan (2009-2013)**

| Position Category & Position Level | 2009 | | | 2010 | | | 2011 | | | 2012 | | | 2013 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Regular | Contract | Total | Regular | Contract | Total | Regular | Contract | Total | Regular | Contract | Total | Regular | Contract | Total |
| Executive Position Category | | | | | | | | | | | | | | | |
| Constitutional Offices [1] | 15 | 0 | 15 | 9 | 0 | 9 | 9 | 0 | 9 | 5 | 0 | 5 | 5 | 0 | 5 |
| EX1 | 26 | | 26 | 26 | | 26 | 27 | | 27 | 28 | | 28 | 27 | 0 | 27 |
| EX2 | 26 | 0 | 26 | 26 | 1 | 27 | 23 | 1 | 24 | 34 | 1 | 35 | 37 | 1 | 38 |
| EX3 | 133 | | 133 | 120 | | 120 | 112 | | 112 | 89 | | 89 | 82 | 0 | 82 |
| Total | 200 | 0 | 200 | 181 | 1 | 182 | 171 | 1 | 172 | 156 | 1 | 157 | 151 | 1 | 152 |
| Specialist Position Category | | | | | | | | | | | | | | | |
| ES1 | 2 | 0 | 2 | 4 | 0 | 4 | 3 | 0 | 3 | 2 | 0 | 2 | 3 | 0 | 3 |
| ES2 | 5 | | 5 | 5 | | 5 | 5 | | 5 | 11 | 1 | 12 | 11 | 1 | 12 |
| ES3 | 57 | 5 | 62 | 68 | 10 | 78 | 70 | 1 | 71 | 74 | 1 | 75 | 73 | 1 | 74 |
| Total | 64 | 5 | 69 | 77 | 10 | 87 | 78 | 1 | 79 | 87 | 2 | 89 | 87 | 2 | 89 |
| Professional & Management Position Category | | | | | | | | | | | | | | | |
| P1 | 402 | 35 | 437 | 399 | 39 | 438 | 368 | 6 | 374 | 364 | 7 | 371 | 413 | 7 | 420 |
| P2 | 463 | 41 | 504 | 604 | 44 | 648 | 688 | 13 | 701 | 820 | 9 | 829 | 976 | 12 | 988 |
| P3 | 1,600 | 82 | 1,682 | 1,694 | 93 | 1,787 | 1,733 | 111 | 1,844 | 1,698 | 82 | 1,780 | 1,825 | 69 | 1,894 |
| P4 | 1,976 | 317 | 2,293 | 2,186 | 321 | 2,507 | 2,378 | 325 | 2,703 | 2,963 | 278 | 3,241 | 3,411 | 235 | 3,646 |
| P5 | 5,187 | 247 | 5,434 | 5,490 | 235 | 5,725 | 5,480 | 213 | 5,693 | 5,559 | 217 | 5,776 | 5,583 | 188 | 5,771 |
| Total | 9,628 | 722 | 10,350 | 10,373 | 732 | 11,105 | 10,647 | 668 | 11,315 | 11,404 | 593 | 11,997 | 12,208 | 511 | 12,719 |

*(continued on next page)*

**Table 4.1: Type of Employment in Civil Servants by Position Category, Bhutan (2009-2013)** *(continued)*

| Position Category & Position Level | 2009 | | | 2010 | | | 2011 | | | 2012 | | | 2013 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Regular | Contract | Total | Regular | Contract | Total | Regular | Contract | Total | Regular | Contract | Total | Regular | Contract | Total |
| Supervisory &Support Position Category | | | | | | | | | | | | | | | |
| S1 | 1,515 | 10 | 1,525 | 1,718 | 22 | 1,740 | 1,885 | 31 | 1,916 | 2,006 | 32 | 2,038 | 2,117 | 37 | 2,154 |
| S2 | 2,178 | 4 | 2,182 | 2,264 | 8 | 2,272 | 2,290 | 11 | 2,301 | 2,317 | 13 | 2,330 | 2,367 | 16 | 2,383 |
| S3 | 1,479 | 7 | 1,486 | 1,490 | 7 | 1,497 | 1,544 | 7 | 1,551 | 1,675 | 7 | 1,682 | 1,653 | 6 | 1,659 |
| S4 | 1,247 | 7 | 1,254 | 1,387 | 12 | 1,399 | 1,470 | 16 | 1,486 | 1,677 | 47 | 1,724 | 1,756 | 42 | 1,798 |
| S5 | 2,107 | 7 | 2,114 | 2,131 | 55 | 2,186 | 2,020 | 158 | 2,178 | 1,889 | 151 | 2,040 | 1,885 | 214 | 2,099 |
| Total | 8,526 | 35 | 8,561 | 8,990 | 104 | 9,094 | 9,209 | 223 | 9,432 | 9,564 | 250 | 9,814 | 9,778 | 315 | 10,093 |
| Operational Positon Category | | | | | | | | | | | | | | | |
| O1 | 587 | | 587 | 645 | 2 | 647 | 683 | 2 | 685 | 677 | 2 | 679 | 723 | 2 | 725 |
| O2 | 422 | 0 | 422 | 440 | 0 | 440 | 428 | 43 | 471 | 459 | 27 | 486 | 442 | 33 | 475 |
| O3 | 457 | | 457 | 457 | | 457 | 420 | | 420 | 390 | | 390 | 349 | 0 | 349 |
| O4 | 453 | 14 | 467 | 476 | 24 | 500 | 534 | 43 | 577 | 612 | 51 | 663 | 650 | 54 | 704 |
| Total | 1,919 | 14 | 1,933 | 2,018 | 26 | 2,044 | 2,065 | 88 | 2,153 | 2,138 | 80 | 2,218 | 2,164 | 89 | 2,253 |
| Grand Total | 20,337 | 776 | 21,113 | 21,639 | 873 | 22,512 | 22,170 | 981 | 23,151 | 23,349 | 926 | 24,275 | 24,388 | 918 | 25,306 |

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

Source: Civil Service Statistics, December 2013, RCSC.

**Table 4.2: Employment in Civil Servants by Working Agency, Bhutan 2013**

| Agency | Regular | | | Contract | | | Grand Total | % Against Grand Total |
|---|---|---|---|---|---|---|---|---|
| | Bhutanese | Non-Bhutanese | Total | Bhutanese | Non-Bhutanese | Total | | |
| His Majesty's Secretariat | 80 | | 80 | 9 | | 9 | 89 | 0.35% |
| His Majesty the 4th King's Secretariat | 23 | | 23 | 3 | | 3 | 26 | 0.10% |
| Judiciary | | | | | | | | |
| Royal Court of Justice | 429 | | 429 | 2 | | 2 | 431 | 1.70% |
| Legislative | | | | | | | | |
| National Assembly | 52 | | 52 | | | 0 | 52 | 0.21% |
| National Council | 41 | | 41 | 1 | | 1 | 42 | 0.17% |
| Constitutional | | | | | | | | |
| Royal Audit Authority | 212 | | 212 | | | 0 | 212 | 0.84% |
| Royal Civil Service Commission | 73 | | 73 | 2 | | 2 | 75 | 0.30% |
| Anti-Corruption Commission | 72 | | 72 | | | 0 | 72 | 0.28% |
| Election Commission1 | 30 | | 30 | | | 0 | 30 | 0.12% |
| Ministries | | | | | | | | |
| Ministry of Agriculture & Forests | 2,568 | 3 | 2,571 | 43 | 1 | 44 | 2,615 | 10.33% |
| Ministry of Health | 1,786 | 2 | 1,788 | 31 | 22 | 53 | 1,841 | 7.27% |
| Ministry of Finance | 860 | | 860 | 8 | | 8 | 868 | 3.43% |
| Ministry of Education | 713 | | 713 | 59 | 24 | 83 | 796 | 3.15% |
| Ministry of Works & Human Settlement | 752 | 7 | 759 | | 5 | 5 | 764 | 3.02% |
| Ministry of Economic Affairs | 606 | 1 | 607 | 2 | | 2 | 609 | 2.41% |
| Ministry of Home & Cultural Affairs | 525 | | 525 | 6 | 2 | 8 | 533 | 2.11% |
| Ministry of Information & Communications | 474 | | 474 | | | 0 | 474 | 1.87% |
| Ministry of Labour & Human Resources | 371 | 2 | 373 | 1 | | 1 | 374 | 1.48% |

*(continued on next page)*

**Table 4.2: Employment in Civil Servants by Working Agency, Bhutan 2013** *(continued)*

| Agency | Regular | | | Contract | | | Grand Total | % Against Grand Total |
|---|---|---|---|---|---|---|---|---|
| | Bhutanese | Non-Bhutanese | Total | Bhutanese | Non-Bhutanese | Total | | |
| Ministry of Foreign Affairs | 193 | 3 | 196 | 11 | | 11 | 207 | 0.82% |
| Autonomous & Other Agencies | | | | | | | | |
| National Land Commission | 250 | | 250 | 62 | | 62 | 312 | 1.23% |
| Gross National Happiness Commission | 76 | | 76 | | | 0 | 76 | 0.30% |
| Royal Institute of Management | 67 | | 67 | 2 | 1 | 3 | 70 | 0.28% |
| Dratshang Lhentshog | 58 | | 58 | 2 | | 2 | 60 | 0.24% |
| Tourism Council of Bhutan | 60 | | 60 | | | 0 | 60 | 0.24% |
| National Enviroment Commission | 54 | | 54 | | | 0 | 54 | 0.21% |
| Office of Attorney General | 47 | | 47 | | | 0 | 47 | 0.19% |
| Bhutan Standards Bureau | 46 | | 46 | | | 0 | 46 | 0.18% |
| National Statistical Bureau | 46 | | 46 | | | 0 | 46 | 0.18% |
| Cabinet Secretariat | 36 | | 36 | 2 | | 2 | 38 | 0.15% |
| Bhutan Infocomm & Media Authority | 33 | | 33 | 1 | | 1 | 34 | 0.13% |
| Bhutan Council for School Examination and Assessment | 33 | | 33 | | | 0 | 33 | 0.13% |
| Dzongkha Development Commission | 27 | | 27 | 1 | | 1 | 28 | 0.11% |
| Center for Bhutan Studies & GNH Research | 24 | | 24 | 1 | | 1 | 25 | 0.10% |
| Drug Regulatory Authority | 24 | | 24 | | | 0 | 24 | 0.09% |
| Bhutan Narcotic Control Agency | 20 | | 20 | | | 0 | 20 | 0.08% |
| Bhutan National Legal Institute | 15 | | 15 | | | 0 | 15 | 0.06% |

*(continued on next page)*

**Table 4.2: Employment in Civil Servants by Working Agency, Bhutan 2013** *(continued)*

| Agency | Regular | | | Contract | | | Grand Total | % Against Grand Total |
|---|---|---|---|---|---|---|---|---|
| | Bhutanese | Non-Bhutanese | Total | Bhutanese | Non-Bhutanese | Total | | |
| National Commission for Women & Children | 15 | | 15 | | | 0 | 15 | 0.06% |
| Royal Privy Council | 9 | | 9 | 1 | | 1 | 10 | 0.04% |
| Bhutan Olympic Committee | 8 | | 8 | | | 0 | 8 | 0.03% |
| Royal Institute of Law | 7 | | 7 | | | 0 | 7 | 0.03% |
| Civil Society Organization Authority | 5 | | 5 | | | 0 | 5 | 0.02% |
| Dzongkhags | | | | | | | | |
| Bumthang | 538 | | 538 | 3 | 1 | 4 | 542 | 2.14% |
| Chhukha | 959 | 3 | 962 | 20 | 43 | 63 | 1,025 | 4.05% |
| Dagana | 567 | | 567 | 19 | 8 | 27 | 594 | 2.35% |
| Gasa | 176 | | 176 | 5 | | 5 | 181 | 0.72% |
| Haa | 339 | | 339 | 5 | 5 | 10 | 349 | 1.38% |
| Lhuentse | 444 | | 444 | 5 | 1 | 6 | 450 | 1.78% |
| Monggar | 749 | | 749 | 8 | 11 | 19 | 768 | 3.03% |
| Paro | 767 | 1 | 768 | 12 | 16 | 28 | 796 | 3.15% |
| Pema Gatshel | 559 | | 559 | 19 | 23 | 42 | 601 | 2.37% |
| Punakha | 619 | | 619 | 13 | 23 | 36 | 655 | 2.59% |
| Samdrup Jongkhar | 627 | 2 | 629 | 19 | 21 | 40 | 669 | 2.64% |
| Samtse | 864 | 1 | 865 | 15 | 49 | 64 | 929 | 3.67% |
| Sarpang | 687 | 2 | 689 | 4 | 17 | 21 | 710 | 2.81% |
| Thimphu | 407 | | 407 | 4 | 6 | 10 | 417 | 1.65% |
| Trashi Yangtse | 435 | 1 | 436 | 6 | 9 | 15 | 451 | 1.78% |
| Trashigang | 1,103 | | 1,103 | 12 | 37 | 49 | 1,152 | 4.55% |
| Trongsa | 416 | | 416 | 5 | 5 | 10 | 426 | 1.68% |
| Tsirang | 509 | | 509 | 6 | 7 | 13 | 522 | 2.06% |
| Wangdue Phodrang | 687 | | 687 | 9 | 11 | 20 | 707 | 2.79% |
| Zhemgang | 487 | | 487 | 9 | 10 | 19 | 506 | 2.00% |

*(continued on next page)*

**Table 4.2: Employment in Civil Servants by Working Agency, Bhutan 2013** *(continued)*

| Agency | Regular | | | Contract | | | Grand Total | % Against Grand Total |
|---|---|---|---|---|---|---|---|---|
| | Bhutanese | Non-Bhutanese | Total | Bhutanese | Non-Bhutanese | Total | | |
| Thromdes | | | | | | | | |
| Thimphu | 1,052 | | 1,052 | 9 | 54 | 63 | 1,115 | 4.41% |
| Phuentsholing | 213 | 2 | 215 | 3 | 28 | 31 | 246 | 0.97% |
| Gelephu | 171 | | 171 | | 10 | 10 | 181 | 0.72% |
| Samdrup Jongkhar | 112 | | 112 | | 8 | 8 | 120 | 0.47% |
| Non- Civil Service Agencies | | | | | | | | |
| Defence 2 | 18 | | 18 | | | 0 | 18 | 0.07% |
| Corporations/Govt. Projects | 16 | | 16 | | | 0 | 16 | 0.06% |
| Non-Government Organizations | 6 | | 6 | | | 0 | 6 | 0.02% |
| Royal Education Council | 6 | | 6 | | | 0 | 6 | 0.02% |
| International Organizations | 5 | | 5 | | | 0 | 5 | 0.02% |
| Grand Total | 24,358 | 30 | 24,388 | 460 | 458 | 918 | 25,306 | 100.00% |

[1] Figures on ECB are based on information available with RCSC.
[2] Finance and Accounts staff placed in RBG/RBA/RBP.
Source: Civil Service Statistics, December 2013, RCSC.

**Table 4.3: Employment in Civil Servants by Type, Position Category & Sex, Bhutan 2013**

| Position Category | Regular | | | | | | Total Regular | Contract | | | | | | Total Contract | Total Male | Total Female | Grand Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Bhutanese | | | Non-Bhutanese | | | | Bhutanese | | | Non-Bhutanese | | | | | | |
| | Male | Female | Total | Male | Female | Total | | Male | Female | Total | Male | Female | Total | | | | |
| Executive Position Category | | | | | | | | | | | | | | | | | |
| Constitutional Offices [1] | 3 | 2 | 5 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 5 |
| EX1 | 26 | 1 | 27 | | | 0 | 27 | | | 0 | | 0 | 0 | 0 | 26 | 1 | 27 |
| EX2 | 35 | 2 | 37 | 0 | 0 | 0 | 37 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 36 | 2 | 38 |
| EX3 | 77 | 5 | 82 | | | 0 | 82 | | 0 | 0 | 0 | 0 | 0 | 0 | 77 | 5 | 82 |
| Total | 141 | 10 | 151 | 0 | 0 | 0 | 151 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 142 | 10 | 152 |
| Specialist Position Category | | | | | | | | | | | | | | | | | |
| ES1 | 3 | 0 | 3 | 0 | 0 | 0 | 3 | | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 |
| ES2 | 10 | 1 | 11 | | | 0 | 11 | 1 | 0 | 1 | | | 0 | 1 | 11 | 1 | 12 |
| ES3 | 64 | 9 | 73 | 0 | 0 | 0 | 73 | | 0 | 0 | 1 | 0 | 1 | 1 | 65 | 9 | 74 |
| Total | 77 | 10 | 87 | 0 | 0 | 0 | 87 | 1 | 0 | 1 | 1 | 0 | 1 | 2 | 79 | 10 | 89 |
| Professional & Management Position Category | | | | | | | | | | | | | | | | | |
| P1 | 354 | 58 | 412 | 1 | 0 | 1 | 413 | 4 | 0 | 4 | 2 | 1 | 3 | 7 | 361 | 59 | 420 |
| P2 | 711 | 264 | 975 | 1 | 0 | 1 | 976 | 3 | 0 | 3 | 8 | 1 | 9 | 12 | 723 | 265 | 988 |
| P3 | 1,309 | 511 | 1,820 | 5 | | 5 | 1,825 | 4 | 1 | 5 | 48 | 16 | 64 | 69 | 1,366 | 528 | 1,894 |
| P4 | 2,158 | 1,252 | 3,410 | 1 | 0 | 1 | 3,411 | 7 | 5 | 12 | 164 | 59 | 223 | 235 | 2,330 | 1,316 | 3,646 |

*(continued on next page)*

**Table 4.3: Employment in Civil Servants by Type, Position Category & Sex, Bhutan 2013** *(continued)*

| Position Category | Regular | | | | | | Total Regular | Contract | | | | | | Total Contract | Total Male | Total Female | Grand Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Bhutanese | | | Non-Bhutanese | | | | Bhutanese | | | Non-Bhutanese | | | | | | |
| | Male | Female | Total | Male | Female | Total | | Male | Female | Total | Male | Female | Total | | | | |
| P5 | 3,639 | 1,938 | 5,577 | 3 | 3 | 6 | 5,583 | 25 | 21 | 46 | 84 | 58 | 142 | 188 | 3,751 | 2,020 | 5,771 |
| Total | 8,171 | 4,023 | 12,194 | 11 | 3 | 14 | 12,208 | 43 | 27 | 70 | 306 | 135 | 441 | 511 | 8,531 | 4,188 | 12,719 |
| Supervisory & Support Position Category | | | | | | | | | | | | | | | | | |
| S1 | 1,444 | 669 | 2,113 | 3 | 1 | 4 | 2,117 | 16 | 12 | 28 | 3 | 6 | 9 | 37 | 1,466 | 688 | 2,154 |
| S2 | 1,592 | 773 | 2,365 | 1 | 1 | 2 | 2,367 | 14 | 1 | 15 | | 1 | 1 | 16 | 1,607 | 776 | 2,383 |
| S3 | 1,029 | 622 | 1,651 | 1 | 1 | 2 | 1,653 | 3 | 3 | 6 | 0 | 0 | 0 | 6 | 1,033 | 626 | 1,659 |
| S4 | 1,079 | 673 | 1,752 | 4 | | 4 | 1,756 | 36 | 4 | 40 | | 2 | 2 | 42 | 1,119 | 679 | 1,798 |
| S5 | 913 | 970 | 1,883 | 1 | 1 | 2 | 1,885 | 142 | 70 | 212 | 2 | | 2 | 214 | 1,058 | 1,041 | 2,099 |
| Total | 6,057 | 3,707 | 9,764 | 10 | 4 | 14 | 9,778 | 211 | 90 | 301 | 5 | 9 | 14 | 315 | 6,283 | 3,810 | 10,093 |
| Operational Position Category | | | | | | | | | | | | | | | | | |
| O1 | 486 | 236 | 722 | 1 | 0 | 1 | 723 | 1 | 1 | 2 | 0 | 0 | 0 | 2 | 488 | 237 | 725 |
| O2 | 399 | 42 | 441 | 1 | 0 | 1 | 442 | 14 | 19 | 33 | 0 | 0 | 0 | 33 | 414 | 61 | 475 |
| O3 | 271 | 78 | 349 | 0 | 0 | 0 | 349 | | | 0 | | | 0 | 0 | 271 | 78 | 349 |
| O4 | 603 | 47 | 650 | 0 | 0 | 0 | 650 | 49 | 3 | 52 | 2 | 0 | 2 | 54 | 654 | 50 | 704 |
| Total | 1,759 | 403 | 2,162 | 2 | 0 | 2 | 2,164 | 64 | 23 | 87 | 2 | 0 | 2 | 89 | 1,827 | 426 | 2,253 |
| Grand Total | 16,205 | 8,153 | 24,358 | 23 | 7 | 30 | 24,388 | 320 | 140 | 460 | 314 | 144 | 458 | 918 | 16,862 | 8,444 | 25,306 |

[1] 5 Eminent members of the Parliament & Attorney General are summed up with Executive Position Category.

Source: Civil Service Statistics, December 2013, RCSC.

**Table 4.4: Percentage Distribution of Employed Persons by Major Economic Activity and Sex, Bhutan 2013**

| Major Economic Activity | Male | Female | Total |
|---|---|---|---|
| Agriculture & forestry | 26.3 | 30.0 | 56.3 |
| Mining & Quarrying | 0.4 | 0.0 | 0.4 |
| Manufacturing | 2.4 | 3.8 | 6.1 |
| Electricity, gas & water supply | 0.9 | 0.3 | 1.2 |
| Construction | 2.6 | 0.5 | 3.2 |
| Wholesale & retail trade | 3.4 | 4.3 | 7.7 |
| Hotels & restaurants | 1.5 | 1.6 | 3.1 |
| Transport, storage & communications | 3.2 | 0.5 | 3.6 |
| Financial intermediation | 0.6 | 0.3 | 0.9 |
| Real estate, renting & business activities | 0.8 | 0.4 | 1.2 |
| Public Administration & defence | 7.1 | 1.5 | 8.5 |
| Education | 2.5 | 1.4 | 3.9 |
| Health & social work | 2.5 | 1.0 | 3.5 |
| Private households with employed persons | 0.1 | 0.1 | 0.2 |
| Total | 54 | 46 | 100 |

Source: Labour Force Survey Report 2013, MoLHR.

**Table 4.5: Percentage Distribution of Employed Persons by Major Occupation and Sex, Bhutan 2013**

| Major Occupation | Male | Female | Total |
|---|---|---|---|
| Legislators, senior officials & managers | 1.6 | 0.3 | 1.9 |
| Professionals | 7 | 3.5 | 10.5 |
| Technicians & associate professionals | 2.9 | 1.2 | 4 |
| Clerks | 1.4 | 1.2 | 2.6 |
| Service workers & shop & market sales workers | 3.2 | 4.6 | 7.9 |
| Skilled agricultural & fishery workers | 26.3 | 30 | 56.3 |
| Craft & related workers | 1.9 | 3.5 | 5.4 |
| Plant & machine operators & assemblers | 4.6 | 0.2 | 4.8 |
| Elementary occupations | 2.3 | 1 | 3.3 |
| Armed Forces | 3 | 0.2 | 3.2 |
| Total | 54.3 | 45.7 | 100 |

Source: Labour Force Survey Report 2013, MoLHR.

**Table 4.6: Percentage Distribution of Employed Persons by Nature of Employment and Sex, Bhutan 2013**

| Nature of Employment | Male | Female | Total |
|---|---|---|---|
| Regular paid employee | 19.2 | 6.6 | 25.7 |
| Casual paid employee | 1.4 | 1.1 | 2.4 |
| Contract/Piece paid employee | 1.4 | 0.6 | 2 |
| Own account worker (Non agriculture) | 6.4 | 6.8 | 13.2 |
| Own account worker (Agriculture) | 13.9 | 12.3 | 26.2 |
| Family worker (Non-agriculture) | 0.6 | 1.8 | 2.4 |
| Family worker (Agriculture) | 11.5 | 16.6 | 28.1 |
| Total | 54.3 | 45.7 | 100 |

Source: Labour Force Survey Report 2013, MoLHR.

**Table 4.7: Percentage Distribution of Labour Force Participation, Employment Status by Age Group and Sex, Bhutan 2013**

| Age | Labour Force participation rate | | | Unemployment rate | | | Employment rate | | |
|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| 15-19 | 10.6 | 9.9 | 10.2 | 2.6 | 6.5 | 4.5 | 97.4 | 93.5 | 95.5 |
| 20-24 | 52.9 | 53.6 | 53.3 | 10.7 | 10.5 | 10.6 | 89.3 | 89.5 | 89.4 |
| 25-29 | 86.8 | 73.5 | 79.7 | 5.3 | 7.5 | 6.4 | 94.7 | 92.5 | 93.6 |
| 30-34 | 96.0 | 73.2 | 84.0 | 0.6 | 2.7 | 1.6 | 99.4 | 97.3 | 98.4 |
| 35-39 | 96.5 | 74.0 | 84.6 | 0.5 | 1.8 | 1.1 | 99.5 | 98.2 | 98.9 |
| 40-44 | 96.8 | 77.3 | 87.6 | 0.3 | 1.4 | 0.8 | 99.7 | 98.6 | 99.2 |
| 45-49 | 95.0 | 80.1 | 87.5 | 0.1 | 0.4 | 0.2 | 99.9 | 99.6 | 99.8 |
| 50-54 | 91.7 | 75.3 | 83.5 | 0.2 | 0.1 | 0.1 | 99.8 | 99.9 | 99.9 |
| 55-59 | 86.1 | 71.0 | 78.7 | 1.1 | 0.0 | 0.6 | 98.9 | 100.0 | 99.4 |
| 60-64 | 79.2 | 59.0 | 70.1 | 0.3 | 0.0 | 0.2 | 99.7 | 100.0 | 99.8 |
| 65-69 | 68.1 | 51.8 | 60.0 | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 100.0 |
| 70-74 | 45.0 | 25.4 | 36.6 | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 100.0 |
| 75-79 | 46.3 | 17.8 | 34.1 | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 100.0 |
| 80-84 | 25.9 | 11.6 | 19.6 | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 100.0 |
| 85+ | 34.0 | 0.4 | 15.2 | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 100.0 |
| Total | 72.1 | 58.9 | 65.3 | 2.2 | 3.7 | 2.9 | 97.8 | 96.3 | 97.1 |

Source: Labour Force Survey Report 2013, MoLHR.

**Table 4.8: Number of Persons Employed by Age Group and Type of Enterprise, Bhutan 2013**

| Age | Civil Service | | Other Government Agencies | | Public/ Government Owned Companies | | Private Companies | | Armed Forces | | Private Business | | Agri. Farming | | NGO/INGO | | Total | | Grand total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | |
| 15-19 | 14 | 0 | 102 | 93 | 35 | 69 | 336 | 121 | 54 | 0 | 392 | 805 | 2,818 | 2,465 | 0 | 0 | 3,751 | 3,553 | 7,304 |
| 20-24 | 1,347 | 1,270 | 442 | 418 | 910 | 810 | 1,870 | 487 | 346 | 274 | 2,404 | 4,037 | 7,624 | 10,994 | 11 | 34 | 14,954 | 18,324 | 33,278 |
| 25-29 | 3,895 | 3,134 | 1,030 | 716 | 2,807 | 1,497 | 2,796 | 1,091 | 1,920 | 205 | 6,747 | 8,065 | 9,532 | 12,446 | 57 | 103 | 28,784 | 27,257 | 56,041 |
| 30-34 | 4,652 | 1,961 | 1,662 | 507 | 2,158 | 936 | 2,077 | 461 | 2,938 | 139 | 5,609 | 5,898 | 8,854 | 13,083 | 80 | 68 | 28,030 | 23,053 | 51,083 |
| 35-39 | 3,045 | 1,052 | 1,830 | 634 | 2,073 | 505 | 981 | 184 | 2,316 | 58 | 4,588 | 5,926 | 9,026 | 11,845 | 44 | 23 | 23,903 | 20,227 | 44,130 |
| 40-44 | 2,524 | 499 | 1,730 | 423 | 1,545 | 272 | 687 | 58 | 1,822 | 0 | 3,768 | 3,388 | 8,425 | 10,020 | 23 | 12 | 20,524 | 14,672 | 35,196 |
| 45-49 | 1,877 | 157 | 1,181 | 204 | 1,438 | 303 | 483 | 61 | 931 | 23 | 2,716 | 2,061 | 7,925 | 11,289 | 46 | 23 | 16,597 | 14,121 | 30,718 |
| 50-54 | 1,243 | 228 | 429 | 55 | 845 | 29 | 416 | 35 | 403 | 11 | 2,665 | 1,580 | 9,547 | 10,954 | 45 | 11 | 15,593 | 12,903 | 28,496 |
| 55-59 | 479 | 58 | 348 | 0 | 178 | 0 | 127 | 0 | 122 | 0 | 1,401 | 705 | 7,628 | 7,456 | 0 | 0 | 10,283 | 8,219 | 18,502 |
| 60-64 | 11 | 0 | 154 | 0 | 34 | 0 | 92 | 0 | 6 | 0 | 1,550 | 803 | 7,174 | 4,683 | 0 | 0 | 9,021 | 5,486 | 14,507 |
| 65-69 | 0 | 0 | 14 | 0 | 77 | 0 | 23 | 0 | 0 | 0 | 313 | 106 | 4,294 | 3,389 | 0 | 0 | 4,721 | 3,495 | 8,216 |
| 70-74 | 0 | 0 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 427 | 49 | 2,835 | 1,343 | 0 | 0 | 3,296 | 1,392 | 4,688 |
| 75-79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 411 | 14 | 1,448 | 518 | 0 | 0 | 1,859 | 532 | 2,391 |
| 80-84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 101 | 0 | 596 | 245 | 0 | 0 | 697 | 245 | 942 |
| 85+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 373 | 0 | 0 | 0 | 373 | 6 | 379 |
| Total | 19,087 | 8,359 | 8,956 | 3,050 | 12,100 | 4,421 | 9,888 | 2,498 | 10,858 | 710 | 33,092 | 33,443 | 88,099 | 100,730 | 306 | 274 | 182,387 | 153,483 | 335,870 |

Source: Labour Force Survey Report 2013, MoLHR.

**Table 4.9: Total Employed Persons by Age Group and Completed Level of Education, Bhutan 2013**

| Age | Level of Education | | | | | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Illiterate | Nursery | Primary | Lower Secondary | Middle Secondary | Higher Secondary | Under-graduate | Bach-elors Degree | Masters & Above | NFE | Reli-gious Profes-sionals | |
| 15-19 | 2,843 | 74 | 1,942 | 904 | 468 | 315 | 0 | 0 | 0 | 619 | 139 | 7,304 |
| 20-24 | 10,789 | 0 | 4,926 | 3,609 | 5,300 | 4,372 | 23 | 1,212 | 34 | 2,698 | 315 | 33,278 |
| 25-29 | 18,408 | 0 | 6,705 | 3,309 | 8,215 | 8,597 | 311 | 5,511 | 397 | 3,638 | 950 | 56,041 |
| 30-34 | 22,301 | 100 | 7,058 | 3,805 | 5,796 | 4,958 | 114 | 2,782 | 882 | 2,630 | 659 | 51,085 |
| 35-39 | 24,005 | 54 | 5,695 | 3,276 | 3,612 | 1,739 | 62 | 1,359 | 661 | 2,768 | 896 | 44,127 |
| 40-44 | 21,253 | 34 | 5,215 | 2,339 | 1,972 | 1,308 | 69 | 1,102 | 473 | 645 | 785 | 35,195 |
| 45-49 | 20,945 | 0 | 3,444 | 976 | 1,670 | 273 | 231 | 977 | 296 | 984 | 922 | 30,718 |
| 50-54 | 21,585 | 6 | 2,357 | 800 | 962 | 341 | 0 | 361 | 223 | 1,099 | 763 | 28,497 |
| 55-59 | 16,034 | 0 | 710 | 187 | 329 | 240 | 34 | 114 | 168 | 368 | 317 | 18,501 |
| 60-64 | 12,341 | 0 | 1,072 | 387 | 263 | 124 | 0 | 59 | 46 | 172 | 43 | 14,507 |
| 65-69 | 7,818 | 0 | 252 | 97 | 0 | 0 | 0 | 24 | 0 | 0 | 24 | 8,215 |
| 70-74 | 4,484 | 0 | 0 | 13 | 82 | 0 | 0 | 11 | 0 | 0 | 99 | 4,689 |
| 75-79 | 2,017 | 0 | 176 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 97 | 2,390 |
| 80-84 | 919 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 941 |
| 85+ | 302 | 0 | 76 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 378 |
| Total | 186,045 | 269 | 39,641 | 19,702 | 28,769 | 22,269 | 844 | 13,513 | 3,180 | 15,621 | 6,017 | 335,870 |

Source: Labour Force Survey Report 2013, MoLHR.

**Table 4.10: Total Employed Persons by Level of Education and Dzongkhag, Bhutan 2013**

| Dzongkhag | Level of Education | | | | | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Illiterate | Nursery | Primary | Lower Secondary | Middle Secondary | Higher Secondary | Undergraduate | Bachelors Degree | Masters & Above | NFE | Religious Professionals | |
| Bumthang | 4,026 | 0 | 758 | 341 | 1,031 | 483 | 0 | 93 | 93 | 126 | 166 | 7,117 |
| Chhukha | 17,349 | 23 | 3,437 | 3,523 | 6,243 | 5,313 | 498 | 2,809 | 254 | 0 | 0 | 39,449 |
| Dagana | 7,640 | 0 | 1,748 | 373 | 638 | 745 | 15 | 296 | 88 | 161 | 73 | 11,777 |
| Gasa | 894 | 0 | 165 | 100 | 327 | 559 | 0 | 465 | 165 | 0 | 0 | 2,675 |
| Haa | 3,188 | 0 | 571 | 339 | 322 | 142 | 0 | 21 | 60 | 458 | 438 | 5,539 |
| Lhuentse | 3,906 | 0 | 542 | 170 | 172 | 237 | 0 | 83 | 72 | 947 | 148 | 6,277 |
| Monggar | 15,089 | 0 | 1,991 | 1,157 | 1,083 | 783 | 13 | 425 | 89 | 2,614 | 0 | 23,244 |
| Paro | 8,233 | 0 | 2,842 | 1,334 | 1,717 | 1,510 | 0 | 924 | 14 | 290 | 245 | 17,109 |
| P/ Gatshel | 11,185 | 0 | 1,853 | 415 | 497 | 441 | 0 | 110 | 14 | 715 | 0 | 15,230 |
| Punakha | 11,364 | 74 | 1,926 | 870 | 850 | 616 | 64 | 96 | 11 | 624 | 402 | 16,897 |
| S/ Jongkhar | 12,086 | 0 | 1,757 | 702 | 1,147 | 595 | 0 | 504 | 52 | 1,833 | 759 | 19,435 |
| Samtse | 18,713 | 100 | 5,439 | 1,985 | 2,815 | 1,725 | 169 | 563 | 216 | 23 | 0 | 31,748 |
| Sarpang | 11,668 | 0 | 2,983 | 1,724 | 2,187 | 1,189 | 0 | 492 | 50 | 254 | 153 | 20,700 |
| Thimphu | 12,483 | 11 | 4,823 | 3,504 | 6,500 | 5,382 | 80 | 5,571 | 1,806 | 784 | 857 | 41,801 |
| Trashigang | 10,006 | 6 | 1,769 | 668 | 600 | 567 | 0 | 159 | 88 | 2,244 | 780 | 16,887 |
| T/ Yangtse | 4,904 | 54 | 333 | 259 | 197 | 224 | 0 | 135 | 12 | 295 | 174 | 6,587 |
| Trongsa | 5,412 | 0 | 613 | 369 | 751 | 598 | 0 | 184 | 32 | 626 | 538 | 9,123 |
| Tsirang | 5,681 | 0 | 1,788 | 535 | 632 | 161 | 0 | 72 | 24 | 125 | 63 | 9,081 |
| W/ Phodrang | 14,832 | 0 | 2,926 | 874 | 665 | 375 | 6 | 221 | 41 | 2,242 | 974 | 23,156 |
| Zhemgang | 7,386 | 0 | 1,377 | 460 | 396 | 622 | 0 | 289 | 0 | 1,260 | 250 | 12,040 |
| Total | 186,045 | 269 | 39,641 | 19,702 | 28,769 | 22,269 | 844 | 13,513 | 3,180 | 15,621 | 6,017 | 335,870 |

Source: Labour Force Survey Report 2013, MoLHR.

**Table 4.11: Total Employed Persons by Major Economic Activity and Nature of Employment, Bhutan 2013**

| Major Economic Activity | Nature of Employment | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|
| | Regular paid employee | Casual paid employee | Contract/ piece paid worker | Own-account workers (Non-agriculture) | Own-account workers (Agriculture) | Family workers (Non-agriculture) | Family workers (Agriculture) | |
| Agriculture and forestry | 513 | 2,463 | 190 | 4,049 | 87,549 | 105 | 94,376 | 189,245 |
| Mining and quarrying | 1,274 | 100 | 0 | 0 | 0 | 0 | 0 | 1,374 |
| Manufacturing | 6,629 | 1,631 | 1,732 | 8,152 | 119 | 2,385 | 0 | 20,648 |
| Electricity, gas and water supply | 3,981 | 24 | 23 | 0 | 11 | 0 | 0 | 4,039 |
| Construction | 6,557 | 674 | 1,779 | 1,603 | 77 | 54 | 0 | 10,744 |
| Wholesale and retail trade | 4,263 | 633 | 276 | 16,925 | 0 | 3,820 | 0 | 25,917 |
| Hotels and restaurants | 2,754 | 390 | 33 | 5,892 | 0 | 1,472 | 0 | 10,541 |
| Transport and communications | 5,080 | 1,074 | 661 | 5,202 | 0 | 177 | 0 | 12,194 |
| Financial intermediation | 2,782 | 23 | 50 | 11 | 0 | 0 | 0 | 2,866 |
| Real estate, renting & business activities | 2,847 | 88 | 224 | 868 | 0 | 60 | 0 | 4,087 |
| Public administration & defense | 28,067 | 92 | 303 | 156 | 75 | 0 | 0 | 28,693 |
| Education | 12,199 | 191 | 645 | 153 | 0 | 0 | 0 | 13,188 |
| Health & social work | 9,182 | 728 | 690 | 1,059 | 119 | 23 | 0 | 11,801 |
| Private households with employed persons | 251 | 48 | 11 | 119 | 0 | 106 | 0 | 535 |
| Total | 86,379 | 8,159 | 6,617 | 44,189 | 87,950 | 8,202 | 94,376 | 335,870 |

Source: Labour Force Survey Report 2013, MoLHR.

**Table 4.12: Employed Persons by Dzongkhag, Sex and Area of Residence, Bhutan 2013**

| Dzongkhag | Urban | | | Rural | | | Bhutan | | |
|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Bumthang | 1,301 | 1,240 | 2,541 | 1,998 | 2,577 | 4,575 | 3,299 | 3,817 | 7,116 |
| Chhukha | 12,757 | 6,817 | 19,574 | 11,768 | 8,109 | 19,877 | 24,525 | 14,926 | 39,451 |
| Dagana | 891 | 522 | 1,413 | 5,473 | 4,890 | 10,363 | 6,364 | 5,412 | 11,776 |
| Gasa | 713 | 162 | 875 | 1,000 | 800 | 1,800 | 1,713 | 962 | 2,675 |
| Haa | 472 | 359 | 831 | 2,264 | 2,443 | 4,707 | 2,736 | 2,802 | 5,538 |
| Lhuentse | 325 | 190 | 515 | 2,757 | 3,004 | 5,761 | 3,082 | 3,194 | 6,276 |
| Monggar | 1,809 | 1,414 | 3,223 | 8,322 | 11,698 | 20,020 | 10,131 | 13,112 | 23,243 |
| Paro | 963 | 716 | 1,679 | 8,186 | 7,244 | 15,430 | 9,149 | 7,960 | 17,109 |
| P/ Gatshel | 701 | 645 | 1,346 | 6,654 | 7,229 | 13,883 | 7,355 | 7,874 | 15,229 |
| Punakha | 921 | 953 | 1,874 | 7,771 | 7,253 | 15,024 | 8,692 | 8,206 | 16,898 |
| S/ Jongkhar | 2,500 | 1,641 | 4,141 | 7,537 | 7,760 | 15,297 | 10,037 | 9,401 | 19,438 |
| Samtse | 5,100 | 1,623 | 6,723 | 15,055 | 9,970 | 25,025 | 20,155 | 11,593 | 31,748 |
| Sarpang | 3,233 | 1,962 | 5,195 | 8,707 | 6,798 | 15,505 | 11,940 | 8,760 | 20,700 |
| Thimphu | 20,244 | 12,678 | 32,922 | 4,834 | 4,045 | 8,879 | 25,078 | 16,723 | 41,801 |
| Trashigang | 613 | 587 | 1,200 | 7,779 | 7,908 | 15,687 | 8,392 | 8,495 | 16,887 |
| T/ Yangtse | 613 | 763 | 1,376 | 2,551 | 2,660 | 5,211 | 3,164 | 3,423 | 6,587 |
| Trongsa | 534 | 672 | 1,206 | 3,766 | 4,150 | 7,916 | 4,300 | 4,822 | 9,122 |
| Tsirang | 398 | 290 | 688 | 4,134 | 4,260 | 8,394 | 4,532 | 4,550 | 9,082 |
| W/ Phodrang | 1,193 | 925 | 2,118 | 10,518 | 10,518 | 21,036 | 11,711 | 11,443 | 23,154 |
| Zhemgang | 615 | 508 | 1,123 | 5,417 | 5,500 | 10,917 | 6,032 | 6,008 | 12,040 |
| Total | 55,893 | 34,667 | 90,560 | 126,494 | 118,816 | 245,310 | 182,387 | 153,483 | 335,870 |

Source: Labour Force Survey Report 2013, MoLHR.

**Table 4.13: Employed Persons who Worked During the past one Week Prior to the Survey Period by Major Economic Activity and Hours of Work, Bhutan 2013**

| Major Economic Activity | Total Hours Worked | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|
| | <30 hrs | 30-39 hrs | 40-49 hrs | 50-59 hrs | 60-69 hrs | 70-79 hrs | 80+hrs | |
| Agriculture and forestry | 12,412 | 13,433 | 39,549 | 48,579 | 36,701 | 27,024 | 11,546 | 189,244 |
| Mining and quarrying | 0 | 0 | 479 | 69 | 14 | 0 | 812 | 1,374 |
| Manufacturing | 4,914 | 2,257 | 8,126 | 1,825 | 1,031 | 1,300 | 1,195 | 20,648 |
| Electricity, gas and water supply | 10 | 24 | 3,029 | 669 | 44 | 77 | 185 | 4,038 |
| Construction | 190 | 285 | 4,489 | 2,688 | 1,180 | 648 | 1,264 | 10,744 |
| Wholesale and retail trade | 1,077 | 848 | 5,334 | 3,790 | 2,452 | 5,347 | 7,070 | 25,918 |
| Hotels and restaurants | 653 | 421 | 2,287 | 1,283 | 1,330 | 1,741 | 2,827 | 10,542 |
| Transport and communications | 319 | 306 | 4,526 | 2,712 | 906 | 1,918 | 1,508 | 12,195 |
| Financial intermediation | 41 | 32 | 2,081 | 571 | 24 | 46 | 71 | 2,866 |
| Real estate, renting & business activities | 138 | 24 | 2,522 | 754 | 276 | 298 | 77 | 4,089 |
| Public administration & defense | 201 | 1,600 | 16,535 | 4,602 | 2,229 | 1,875 | 1,652 | 28,694 |
| Education | 124 | 214 | 8,970 | 2,968 | 363 | 262 | 288 | 13,189 |
| Health & social work | 527 | 1,147 | 6,442 | 1,928 | 507 | 684 | 566 | 11,801 |
| Private households with employed persons | 71 | 34 | 181 | 71 | 45 | 25 | 107 | 534 |
| Total | 20,677 | 20,625 | 104,550 | 72,509 | 47,102 | 41,245 | 29,168 | 335,870 |

Source: Labour Force Survey Report 2013, MoLHR.

**Table 4.14: Employed Persons who Worked During The Past One Week Prior to the Survey Period by Nature of Employment and Hours of Work, Bhutan 2013**

| Nature of Employment | Total Hours Worked | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|
| | <30 hrs | 30-39 hrs | 40-49 hrs | 50-59 hrs | 60-69 hrs | 70-79 hrs | 80+hrs | |
| Regular paid employee | 1,258 | 3,306 | 51,506 | 15,183 | 4,858 | 4,841 | 5,426 | 86,378 |
| Casual paid employee | 741 | 678 | 1,406 | 1,196 | 1,678 | 1,606 | 851 | 8,156 |
| Contract/piece paid worker | 783 | 376 | 1,958 | 1,460 | 562 | 669 | 809 | 6,617 |
| Own-account workers (Non-agriculture) | 4,214 | 2,868 | 9,540 | 6,205 | 5,054 | 6,826 | 9,482 | 44,189 |
| Own-account workers (Agriculture) | 6,536 | 6,588 | 20,306 | 20,985 | 15,506 | 12,586 | 5,443 | 87,950 |
| Family workers (Non-agriculture) | 1,491 | 704 | 1,502 | 821 | 577 | 1,343 | 1,764 | 8,202 |
| Family workers (Agriculture) | 5,652 | 6,103 | 18,333 | 26,657 | 18,867 | 13,374 | 5,391 | 94,377 |
| Total | 20,675 | 20,623 | 104,551 | 72,507 | 47,102 | 41,245 | 29,166 | 335,870 |

Source: Labour Force Survey Report 2013, MoLHR.

**Table 4.15: Employed Persons by Major Economic Activity and Level of Education, Bhutan 2013**

| Major Economic Activity | Completed Level of Education | | | | | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Illiterate | Nursery | Primary | Lower Secondary | Middle Secondary | Higher Secondary | Undergraduate | Bachelors Degree | Masters Degree & Above | NFE | Religious Professionals | |
| Agriculture and forestry | 140,344 | 228 | 21,344 | 5,912 | 3,942 | 1,092 | 0 | 221 | 111 | 12,545 | 3,506 | 189,245 |
| Mining and Quarrying | 763 | 0 | 345 | 164 | 64 | 37 | 0 | 0 | 0 | 0 | 0 | 1,373 |
| Manufacturing | 10,868 | 0 | 2,229 | 1,481 | 2,789 | 1,031 | 0 | 409 | 69 | 1,419 | 352 | 20,647 |
| Electricity, gas & water supply | 520 | 11 | 744 | 360 | 1,525 | 405 | 167 | 239 | 47 | 0 | 20 | 4,038 |
| Construction | 3,240 | 0 | 1,602 | 1,266 | 1,660 | 1,643 | 163 | 684 | 134 | 170 | 182 | 10,744 |
| Wholesale and retail trade | 10,365 | 0 | 3,648 | 2,545 | 4,230 | 3,018 | 46 | 970 | 120 | 667 | 307 | 25,916 |
| Hotels & restaurants | 4,785 | 0 | 1,410 | 712 | 1,736 | 1,306 | 34 | 374 | 24 | 26 | 134 | 10,541 |
| Transport communications | 3,912 | 0 | 1,447 | 1,390 | 2,044 | 1,621 | 34 | 1,237 | 91 | 159 | 260 | 12,195 |
| Fincancial intermediation | 162 | 0 | 210 | 159 | 492 | 628 | 0 | 1,128 | 75 | 0 | 11 | 2,865 |
| Real estate, renting & business activities | 716 | 0 | 289 | 465 | 1,095 | 626 | 57 | 583 | 125 | 0 | 133 | 4,089 |
| Public Administration and defence | 6,513 | 30 | 4,365 | 3,395 | 5,163 | 4,493 | 160 | 2,984 | 1,022 | 272 | 295 | 28,692 |
| Education | 1,018 | 0 | 491 | 255 | 1,974 | 4,472 | 99 | 3,691 | 952 | 199 | 36 | 13,187 |
| Health and social work | 2,363 | 0 | 1,494 | 1,574 | 2,052 | 1,883 | 84 | 993 | 411 | 164 | 783 | 11,801 |
| Private households with employed persons | 477 | 0 | 23 | 22 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 535 |
| Total | 186,046 | 269 | 39,641 | 19,700 | 28,766 | 22,268 | 844 | 13,513 | 3,181 | 15,621 | 6,019 | 335,870 |

Source: Labour Force Survey Report 2013, MoLHR.

**Table 4.16: Unemployed Persons by Age Group, Sex and Area of Residence, Bhutan 2013**

| Age | Rural | | | Urban | | | Total | | |
|---|---|---|---|---|---|---|---|---|---|
| | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| 15-19 | 73 | 99 | 172 | 28 | 149 | 177 | 101 | 248 | 349 |
| 20-24 | 776 | 325 | 1,101 | 1,010 | 1,824 | 2,834 | 1,786 | 2,149 | 3,935 |
| 25-29 | 824 | 936 | 1,760 | 782 | 1,266 | 2,048 | 1,606 | 2,202 | 3,808 |
| 30-34 | 97 | 251 | 348 | 74 | 388 | 462 | 171 | 639 | 810 |
| 35-39 | 53 | 97 | 150 | 58 | 282 | 340 | 111 | 379 | 490 |
| 40-44 | 0 | 198 | 198 | 69 | 17 | 86 | 69 | 215 | 284 |
| 45-49 | 0 | 0 | 0 | 12 | 59 | 71 | 12 | 59 | 71 |
| 50-54 | 0 | 0 | 0 | 24 | 11 | 35 | 24 | 11 | 35 |
| 55-59 | 100 | 0 | 100 | 13 | 0 | 13 | 113 | 0 | 113 |
| 60-64 | 0 | 0 | 0 | 23 | 0 | 23 | 23 | 0 | 23 |
| 65-69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 70-74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 75-79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80-84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 85+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 1,923 | 1,905 | 3,828 | 2,093 | 3,995 | 6,088 | 4,016 | 5,900 | 9,916 |

Source: Labour Force Survey Report 2013, MoLHR.

# AGRICULTURE

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

The Ministry of Agriculture and Forests with the accumulated experiences having accomplished one five year plan to the other, maintains the three basic objectives that are to i) conserve the environment, ii) enhance the rural income and iii) attain self reliance in cereals and essential oil crops. In 2013, Agriculture contributed 16.18 Percent to the total economy i.e. as measured by the Gross Domestic Product. It was also the single largest sector that provides livelihood over 55 percent of the population as per Labour Force Survey 2013.

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

Owing to the improved communication facilities in the country, there is an increasing tendency to go for cash crops like apples in the temperate north; oranges, areca nut and cardamom in the subtropical south. Other cash crops that are exported include ginger, chilies and vegetables. Strategies to increase livestock and cereal production include the propagation and practice of double cropping of the paddy production and distribution of high yield varieties. In the livestock sector the artificial insemination covers not only for the Jersey breeds that are high yielding but also for the production of Jatsa and Jatsam that are local high yielding varieties. As a result, increasing number of farms is mechanized with sizable investment on the machinery and other inputs that are subsidized by the government.

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

Back in 1988/89, the National Agronomic Survey was carried out in collaboration with the then Department of Agriculture. Though the Ministry of Agriculture and Forests conducted nation-wide sample surveys called RNR Census in 2009, but the major source of data presented in this chapter are from the Bhutan RNR Statistics 2012 and administrative records maintained by different departments under the Ministry of Agriculture and Forests.

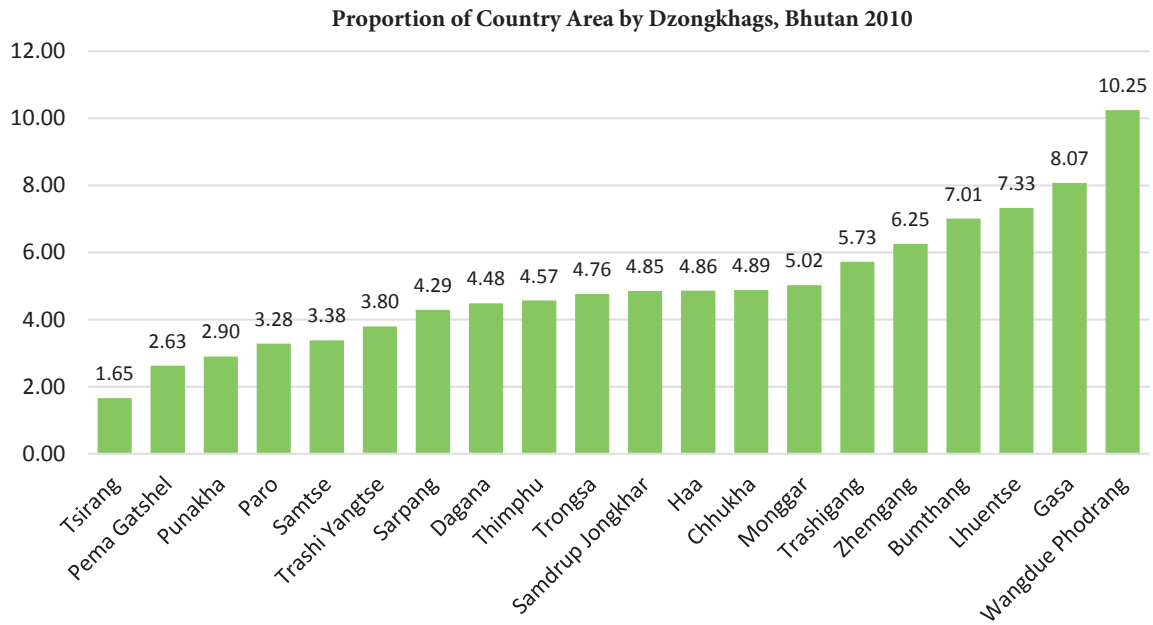

Proportion of Country Area by Dzongkhags, Bhutan 2010
12.00
10.00
8.00
6.00
4.00
2.00
0.00
1.65
2.63
2.90
3.28
3.38
3.80
4.29
4.48
4.57
4.76
4.85
4.86
4.89
5.02
5.73
6.25
7.01
7.33
8.07
10.25
Tsirang
Pema Gatshel
Punakha
Paro
Samtse
Trashi Yangtse
Sarpang
Dagana
Thimphu
Trongsa
Samdrup Jongkhar
Haa
Chhukha
Monggar
Trashigang
Zhemgang
Bumthang
Lhuentse
Gasa
Wangdue Phodrang

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

(Numbers)

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

Source: Policy & Planning Division, MoAF, Thimphu.

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

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

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

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

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

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

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

Kg/Ltr

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

Source: Bhutan RNR Statistics 2012, MoAF

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

(Hectares)

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

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

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

| Dzongkhag | Wheat | | | Barley | | | Paddy | | |
|---|---|---|---|---|---|---|---|---|---|
| | Area | Production | Yield | Area | Production | Yield | Area | Production | Yield |
| | (Acres) | (MT) | (Kg/ Acre) | (Acres) | (MT) | (Kg/ Acre) | (Acres) | (MT) | (Kg/ Acre) |
| Bumthang | 382 | 366 | 960 | 315 | 205 | 650 | 91 | 119 | 1,315 |
| Chhukha | 314 | 236 | 750 | 72 | 46 | 645 | 1,888 | 2,503 | 1,326 |
| Dagana | 67 | 57 | 850 | 95 | 79 | 830 | 3,864 | 5,669 | 1,467 |
| Gasa | 45 | 48 | 1,060 | 265 | 195 | 734 | 189 | 285 | 1,510 |
| Haa | 938 | 1,004 | 1,070 | 78 | 62 | 792 | 147 | 223 | 1,517 |
| Lhuentse | 67 | 43 | 645 | ... | ... | ... | 3,827 | 5,066 | 1,324 |
| Monggar | 133 | 104 | 783 | 940 | 611 | 650 | 2,025 | 2,671 | 1,319 |
| Paro | 645 | 665 | 1,031 | 48 | 48 | 993 | 3,950 | 7,764 | 1,965 |
| P/Gatshel | 102 | 96 | 940 | 56 | 35 | 627 | 213 | 255 | 1,195 |
| Punakha | 405 | 439 | 1,084 | 52 | 51 | 964 | 5,095 | 9,351 | 1,835 |
| S /Jongkhar | 39 | 29 | 736 | 298 | 221 | 742 | 2,468 | 3,677 | 1,490 |
| Samtse | 254 | 198 | 780 | 66 | 44 | 668 | 7,179 | 9,844 | 1,371 |
| Sarpang | 13 | 7 | 557 | 4 | 3 | 798 | 5,054 | 6,874 | 1,360 |
| Thimphu | 151 | 165 | 1,091 | 16 | 11 | 703 | 1,078 | 1,833 | 1,700 |
| Trashigang | 146 | 121 | 831 | 203 | 156 | 771 | 2,786 | 3,851 | 1,382 |
| T/ Yangtse | 18 | 15 | 830 | 2 | 2 | 920 | 2,007 | 2,484 | 1,238 |
| Trongsa | 348 | 252 | 724 | 317 | 248 | 782 | 1,334 | 1,906 | 1,428 |
| Tsirang | 92 | 58 | 634 | 34 | 33 | 975 | 3,533 | 5,191 | 1,469 |
| W/Phodrang | 1,057 | 939 | 888 | 350 | 268 | 766 | 4,208 | 6,641 | 1,578 |
| Zhemgang | 323 | 196 | 606 | 63 | 39 | 620 | 1,317 | 1,809 | 1,373 |
| Bhutan | 5,539 | 5,038 | 910 | 3,274 | 2,357 | 720 | 52,253 | 78,016 | 1,493 |

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

Source: Department of Agriculture, MoAF

**Table 5.7: Number of Livestock by Type and Dzongkhag, Bhutan 2013**

| Dzongkhag | Local Cattle | Mithun[1] | Yak[2] | Zo-Zom[3] | Buffalo | Horse | Pig | Poultry | Sheep | Goat | Cat | Dog |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bumthang | 11,023 | 1 | 2,974 | ... | ... | 1,213 | 1 | 995 | 268 | 36 | 614 | 722 |
| Chhukha | 21,633 | 30 | ... | ... | 6 | 592 | 1,774 | 35,650 | 556 | 6,279 | 1,916 | 1,584 |
| Dagana | 16,619 | 3 | ... | ... | 101 | 283 | 1,775 | 19,897 | 374 | 5,821 | 2,683 | 2,010 |
| Gasa | 804 | 1 | 5,787 | ... | ... | 1,515 | ... | 786 | 2 | ... | 278 | 239 |
| Haa | 9,702 | 1 | 5,857 | ... | ... | 1,937 | 311 | 6,065 | 1 | 42 | 46 | 744 |
| Lhuentse | 14,133 | 13 | 234 | ... | ... | 1,725 | 216 | 13,666 | 101 | 76 | 1,580 | 751 |
| Monggar | 25,316 | 25 | ... | ... | ... | 1,706 | 1,021 | 28,248 | 23 | 88 | 2,926 | 911 |
| Paro | 13,052 | 7 | 2,632 | ... | ... | 1,293 | 510 | 24,669 | 12 | 118 | 1,429 | 1,895 |
| P/Gatshel | 7,825 | 4 | ... | ... | ... | 1,048 | 625 | 12,449 | 1 | 21 | 1,258 | 513 |
| Punakha | 11,042 | 2 | ... | ... | ... | 486 | 378 | 6,710 | 15 | 115 | 1,280 | 908 |
| S/Jongkhar | 18,139 | 165 | 28 | ... | 10 | 1,307 | 523 | 15,645 | 23 | 1,579 | 2,300 | 1,600 |
| Samtse | 33,411 | 25 | ... | ... | 332 | 468 | 2,133 | 59,091 | 3,583 | 14,492 | 3,841 | 3,618 |
| Sarpang | 19,813 | 12 | ... | ... | 89 | 573 | 1,585 | 151,691 | 562 | 3,905 | 2,143 | 1,598 |
| Thimphu | 3,908 | 5 | 10,984 | ... | ... | 1,303 | 412 | 28,648 | 9 | 41 | 691 | 1,000 |
| Trashigang | 26,908 | 92 | 7,153 | 6,297 | ... | 3,687 | 660 | 24,211 | 2,078 | 189 | 2,672 | 2,352 |
| T/Yangtse | 10,422 | 57 | 541 | ... | ... | 1,300 | 448 | 8,652 | 17 | 108 | 1,197 | 877 |
| Trongsa | 11,093 | 2 | 80 | ... | ... | 428 | 33 | 5,463 | 328 | 8 | 988 | 529 |
| Tsirang | 10,912 | 2 | ... | ... | 153 | 108 | 970 | 88,999 | 161 | 5,839 | 2,001 | 1,928 |
| W/Phodrang | 25,534 | 21 | 3,273 | ... | ... | 872 | 1,106 | 7,511 | 1,797 | 430 | 1,628 | 1,045 |
| Zhemgang | 11,237 | 156 | ... | ... | ... | 1,496 | 892 | 12,139 | 6 | 77 | 1,276 | 463 |
| Bhutan | 302,526 | 624 | 39,543 | 6,297 | 691 | 23,340 | 15,373 | 551,185 | 9,917 | 39,264 | 32,747 | 25,287 |

[1] Mithun: A domesticated free range bovine species (Bos frontails).
[2] Yak: A (Poephagus Grunniens) domesticated highland animal used for milk and draft.
[3] Zo-zom: Hybrid male and female progeny of yak bull and cattle.
Source: Department of Livestock, MoAF.

**Table 5.8: Livestock Production, Bhutan (2007-2013)**

(Metric Tones)

| Details | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|---|
| Beef | 638 | 776 | 645 | 547 | 470 | 513 | 430 |
| Pork | 507 | 500 | 333 | 427 | 312 | 317 | 485 |
| Yak Meat | 117 | 143 | 125 | 202 | 125 | 106 | 101 |
| Chicken | 515 | 190 | 155 | 256 | 359 | 909 | 789 |
| Mutton | 239 | 128 | 76 | 78 | 74 | 63 | 90 |
| Fish | 1 | 13 | 32 | 23 | 54 | 65 | 55 |
| Wool | 33 | 10 | 14 | 25 | 12 | 51 | 10 |
| Eggs (000'Doz) | 802 | 681 | 1,082 | 1,845 | 3,506 | 310 | 5,531 |
| Milk | 20,059 | 22,883 | 25,692 | 25,720 | 27,396 | 29,625 | 30,920 |
| Butter | 1,394 | 1,348 | 1,227 | 1,262 | 1,358 | 1,027 | 1,322 |
| Cheese | 6,146 | 1,163 | 2,613 | 2,222 | 2,185 | 2,300 | 2,382 |

Source: Department of Livestock & Bhutan RNR Statistics 2012, MoAF

**Table 5.9: Fruit Production and Yield, Bhutan (2007-2012)**

| Fruits | Production (MT) | | | | | | Yield (Kgs/Bearing Tree) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
| Apple | 7,077 | 5,034 | 6,931 | 17,366 | 20,752 | 7666 | 25 | 22 | 20 | 30 | 37 | 31 |
| Mandarin | 72,319 | 38,775 | 44,295 | 52,624 | 60,993 | 4951 | 36 | 31 | 28 | 34 | 35 | 45 |
| Banana | 3,980 | 1,648 | 2,155 | 2,208 | 2,439 | 1547 | 15 | 11 | 11 | 14 | 14 | |
| Mango | 665 | 610 | 321 | 398 | 451 | 743 | 23 | 33 | 24 | 30 | 28 | 58 |
| Guava | 2,276 | 792 | 942 | 864 | 950 | 732 | 28 | 20 | 24 | 23 | 24 | 30 |
| Peach | 3,130 | 2,134 | 1,233 | 779 | 1,649 | 1614 | 42 | 39 | 37 | 33 | 39 | 51 |
| Pear | 2,210 | 1,205 | 1,109 | 758 | 1,354 | 2166 | 45 | 65 | 63 | 47 | 49 | 109 |
| Plum | 1,040 | 405 | 549 | 357 | 565 | 695 | 39 | 45 | 45 | 40 | 39 | 64 |
| Walnut | 817 | 345 | 244 | 213 | 474 | 414 | 29 | 25 | 16 | 22 | 24 | 31 |
| Arecanut | 6,569 | 3,842 | 6,373 | 7,280 | 9,781 | 7788 | 13 | 7 | 11 | 10 | 12 | 12 |

Source: Department of Agriculture & Bhutan RNR Statistics 2012, MoAF.

**Table 5.10: Vegetables, Oilseeds, Spices and Pulses Production, Bhutan (2007-2012)**

(Metric Tones)

| Details | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|---|---|---|---|---|---|---|
| Potato | 61,743 | 54,600 | 45,476 | 44,014 | 52,116 | 4,300 |
| Chili | 8,432 | 7,640 | 9,144 | 6,696 | 8,121 | 7,726 |
| Tomato | 950 | 514 | 753 | 221 | 559 | 337 |
| Cabbage | 3,623 | 1,575 | 1,782 | 1,299 | 2,130 | 3,413 |
| Cauliflower | 660 | 382 | 355 | 328 | 2,130 | 829 |
| Broccoli | 469 | 405 | 175 | 122 | 304 | 363 |
| Asparagus | 201 | 170 | 328 | 74 | 280 | 149 |
| Carrot | 669 | 373 | 329 | 205 | 458 | 585 |
| Pumpkin | 4,479 | 2,626 | 5,319 | 3,670 | 5,368 | 4,796 |
| Radish | 10,453 | 6,192 | 5,617 | 3,882 | 4,865 | 5,245 |
| Turnip | 12,624 | 5,003 | 6,238 | 2,638 | 7,823 | 7,994 |
| Beans | 6,746 | 4,964 | 3,048 | 2,400 | 2,690 | 2,479 |
| Rajma Beans | 1,988 | 756 | 473 | 471 | 873 | … |
| Peas | 1,626 | 824 | 695 | 355 | 770 | 779 |
| Other Vegetables | 9,460 | 9,381 | 8,282 | 7,168 | 5,558 | … |
| Cardamom | 2,122 | 1,055 | 442 | 1,163 | 650 | 643 |
| Garlic | 620 | 2,226 | 629 | 485 | 584 | 644 |
| Ginger | 9,882 | 3,182 | 3,766 | 4,074 | 4,533 | 5,014 |
| Onion | 194 | 1,816 | 388 | 243 | 285 | 264 |
| Mustard | 3,392 | 3,669 | 1,951 | 1,332 | 2,344 | 790 |
| Soybean | 1,415 | 817 | 372 | 401 | 826 | 294 |

Source: Department of Agriculture & Bhutan RNR Statistics 2012, MoAF

**Table 5.11: Volume and Value of Exports by Major Commodities, Bhutan (2008-2011)**

| Commodity | Volume (Tones) | | | | Value (Nu.Million) | | | |
|---|---|---|---|---|---|---|---|---|
| | 2008 | 2009 | 2010 | 2011 | 2008 | 2009 | 2010 | 2011 |
| Rice | 89.5 | 118.9 | 376.0 | 116.2 | 7.050 | 8.520 | 15.190 | 8.962 |
| Wheat / Barley | 128.4 | … | … | 1,857.1 | 1.660 | … | … | 118.181 |
| Other Cereals | 30.6 | 29.6 | 7.0 | 46.9 | 0.210 | 0.300 | 0.060 | 0.657 |
| Apples | 14,982.0 | 7,015.5 | 7,060.6 | 5,764.1 | 60.420 | 93.850 | 116.900 | 102.924 |
| Oranges | 20,346.2 | 28,129.7 | 22,484.1 | 18,928.3 | 246.370 | 386.980 | 332.320 | 327.782 |
| Other Fruits | 18.8 | 123.4 | 144.6 | 115.4 | 0.200 | 4.420 | 5.830 | 4.220 |
| Betel Nuts | 801.9 | 513.7 | 1,287.6 | 654.6 | 13.950 | 10.710 | 23.490 | 21.663 |
| Potatoes | 14,950.4 | 24,583.8 | 18,747.5 | 24,454.0 | 119.780 | 401.870 | 197.540 | 250.259 |
| Chilies | 25.7 | 23.8 | 7.9 | 14.3 | 0.300 | 0.350 | 0.180 | 0.439 |
| Vegetables | 1,532.3 | 1,727.9 | 1,962.7 | 2,157.9 | 26.970 | 26.110 | 34.000 | 30.048 |
| Pulses | 211.8 | 2.3 | 4.2 | 1.4 | 6.870 | 4.020 | 6.430 | 3.122 |
| Mushrooms | 211.8 | 2.3 | 4.2 | 1.4 | 6.870 | 4.020 | 6.430 | 3.122 |
| Cardamom | 694.9 | 547.9 | 476.2 | 427.0 | 93.250 | 89.530 | 222.200 | 384.284 |
| Cordyceps | 0.5 | 0.6 | 0.3 | 0.3 | 117.920 | 75.050 | 45.270 | 86.465 |
| Lemon Grass Oil | 128.4 | 0.0 | 0.0 | 1,857.1 | 7.05 | 8.520 | 15.190 | 8.962 |
| Total | 53,819 | 65,015 | 53,146 | 53,291 | 695 | 1,102 | 999 | 1,351 |

Source: Bhutan RNR Statistics 2012, MoAF

**Table 5.12: Volume and Value of Imports by Major Commodities, Bhutan (2008-2011)**

| Commodity | Volume (Tones) | | | | Value (Nu.Million) | | | |
|---|---|---|---|---|---|---|---|---|
| | 2008 | 2009 | 2010 | 2011 | 2008 | 2009 | 2010 | 2011 |
| Rice | 52180 | 53473 | 52010 | 54056 | 694 | 722 | 848 | 854 |
| Wheat/Barley | 9777 | 13941 | 8513 | 16047 | 125 | 169 | 103 | 188 |
| Other Cereals | 4922 | 5317 | 4272 | 4855 | 40 | 50 | 85 | 72 |
| Apples | 39 | 39 | 51 | 24 | 2 | 2 | 2 | 1 |
| Oranges | 19 | 33 | 31 | 50 | 1 | 1 | 1 | 2 |
| Other Fruits | 2291 | 2148 | 1707 | 1699 | 24 | 27 | 21 | 23 |
| Betel Nuts | 0 | 282 | 296 | 132 | 0 | 14 | 19 | 9 |
| Potatoes | 3673 | 2841 | 183 | 5208 | 18 | 43 | 24 | 40 |
| Chilies | 1380 | 1362 | 1317 | 324 | 18 | 18 | 24 | 26 |
| Vegetables | 5837 | 5632 | 8182 | 6739 | 44 | 51 | 65 | 80 |
| Pulses | 200 | 2162 | 1585 | 3530 | 2 | 62 | 21 | 27 |
| Mushrooms | 21 | 5 | 11 | 4 | … | 1 | 1 | … |
| Oils & Fats | 6625 | 6860 | 6478 | 9772 | 418 | 348 | 374 | 561 |
| Eggs (000' Doz) | 374 | 920 | 476 | 172 | 12 | 37 | 22 | 7 |
| Milk | 1084 | 2798 | 3048 | 3191 | 267 | 293 | 359 | 391 |
| Butter | 267 | 209 | 651 | 0 | 39 | 34 | 50 | 0 |
| Cheese | 546 | 674 | 944 | 877 | 103 | 138 | 171 | 219 |
| Sugar | 7193 | 8536 | 7095 | 8262 | 186 | 253 | 169 | 210 |
| Pork | 1183 | 1172 | 1423 | 1385 | 107 | 127 | 153 | 155 |
| Beef | 2340 | 2720 | 2964 | 2658 | 141 | 200 | 242 | 252 |
| Chicken | 81 | 321 | 384 | 567 | 8 | 30 | 36 | 54 |
| Fish | 1632 | 1759 | 1874 | 2079 | 94 | 116 | 135 | 160 |
| Mutton | 98 | 28 | 24 | 22 | 5 | 5 | 5 | 5 |

Source: Bhutan RNR Statistics 2012, MoAF

**Table 5.13: Annual Average Price of Agricultural Commodities by Type, Bhutan (2003-2012)**

| Commodities | Nu./ Kg | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
| Wheat | 9 | 8 | 8 | 10 | 9 | 13 | 13 | 17 | 19 | 20 |
| Rice (Local) | 21 | 26 | 25 | 28 | 30 | 35 | 43 | 41 | 52 | 55 |
| Potatoes | 9 | 10 | 9 | 11 | 11 | 12 | 15 | 18 | 20 | 20 |
| Tomatoes | 23 | 23 | 16 | 24 | 24 | 27 | 29 | 40 | 45 | 42 |
| Onions | 36 | 29 | 30 | 27 | 27 | 22 | 27 | 37 | 35 | 48 |
| Garlic | 48 | 50 | 51 | 54 | 54 | 60 | 77 | 73 | 77 | 81 |
| Carrots | 54 | 46 | 39 | 41 | 41 | 42 | 40 | 32 | 37 | 40 |
| Cauliflower | 15 | 13 | 14 | 15 | 15 | 23 | 32 | 36 | 43 | 41 |
| Cabbages | 15 | 13 | 14 | 15 | 15 | 16 | 20 | 24 | 23 | 24 |
| Peas (Green) | 26 | 31 | 29 | 27 | 27 | 33 | 35 | 37 | 28 | 34 |
| Beans (Green) | 21 | 22 | 24 | 21 | 21 | 30 | 31 | 40 | 41 | 41 |
| Asparagus | 23 | 26 | 19 | 40 | 40 | 42 | 33 | 40 | 47 | 48 |
| Eggplants | 14 | 15 | 15 | 15 | 15 | 16 | 22 | 33 | 37 | 34 |
| Mushrooms | 37 | 55 | 42 | 45 | 45 | 47 | 50 | 53 | 56 | 60 |
| Chilies | 27 | 31 | 35 | 37 | 37 | 38 | 47 | 57 | 62 | 70 |
| Spinach | 15 | 15 | 15 | 15 | 15 | 20 | 18 | 17 | 31 | 35 |
| Bananas | 24 | 18 | 12 | 13 | 13 | 15 | 24 | 32 | 55 | 39 |
| Pineapples | 33 | 35 | 31 | 31 | 31 | 32 | 22 | 29 | 33 | 41 |
| Mangoes | 52 | 58 | 61 | 48 | 48 | 49 | 53 | 69 | 46 | 53 |
| Oranges | 36 | 30 | 29 | 28 | 25 | 26 | 27 | 46 | 39 | 45 |
| Apples | 45 | 49 | 48 | 46 | 47 | 50 | 52 | 55 | 81 | 87 |
| Pears | 36 | 34 | 34 | 34 | 34 | 34 | 34 | 35 | 37 | 35 |
| Peaches | 30 | 26 | 20 | 20 | 20 | 22 | 23 | 47 | 47 | 50 |
| Plums | 30 | 29 | 30 | 26 | 26 | 26 | 28 | 24 | 38 | 30 |
| Ginger | 27 | 37 | 37 | 30 | 30 | 33 | 41 | 80 | 91 | 92 |
| Beef | 65 | 53 | 65 | 65 | 70 | 90 | 95 | 108 | 118 | 120 |
| Pork | 80 | 88 | 90 | 100 | 84 | 100 | 120 | 128 | 130 | 137 |
| Mutton | 120 | 120 | 120 | 120 | 140 | 140 | 143 | 158 | 172 | 180 |
| Chicken | 70 | 80 | 80 | 90 | 80 | 100 | 111 | 123 | 127 | 136 |
| Eggs (Per Doz) | 68 | 72 | 70 | 91 | 81 | 122 | 133 | 138 | 117 | 145 |
| Price Index | 37 | 38 | 37 | 39 | 39 | 44 | 48 | 55 | 59 | 63 |

Source: Bhutan RNR Statistics 2012, MoAF

**Table 5.14: Imports and Sales of Food Items by Food Corporation of Bhutan (2006-2013)**

(Metric tones)

| Commodity | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|---|---|
| Imports | | | | | | | | |
| Rice | 8,293.7 | 7,414.3 | 9,416.6 | 6,718.7 | 5,812.0 | 5,708.7 | 7,565.0 | 7,435.22 |
| Wheat | … | … | 49.0 | 80.3 | 79.4 | 65.0 | 159.9 | 55.00 |
| Sugar | 3,706.4 | 1,231.8 | 1,820.4 | 3,589.0 | 3,948.9 | 4,155.9 | 4,033.8 | 2,633.99 |
| Salt | 215.4 | 200.0 | 310.0 | 351.4 | 508.4 | 532.6 | 462.2 | 732.78 |
| Edible Oil | 643.9 | 671.6 | 818.9 | 666.5 | 939.6 | 913.3 | 1,841.9 | 1,573.18 |
| Pulses | 289.6 | 309.7 | 331.7 | 295.6 | 569.6 | 4,445.7 | 520.5 | 511.09 |
| Maida | 327.8 | 249.9 | 294.5 | 280.2 | 193.1 | 220.2 | 276.3 | 373.27 |
| Atta | 327.8 | 160.2 | 183.8 | 167.0 | 111.4 | 143.4 | 372.3 | 299.30 |
| Sales | | | | | | | | |
| Rice | 7,949.0 | 8,078.8 | 8,250.8 | 6,373.0 | 6,570.7 | 10,117.7 | 6,973.8 | 7,798.15 |
| Wheat | 0.0 | 0.0 | 20.5 | 82.5 | 83.5 | 159.4 | 153.2 | 69.38 |
| Sugar | 3,028.9 | 1,829.6 | 1,914.3 | 3,646.3 | 4,074.0 | 6,089.0 | 4,049.9 | 2,002.40 |
| Salt | 207.8 | 204.2 | 274.4 | 395.1 | 504.1 | 808.8 | 643.4 | 722.08 |
| Edible Oil | 648.9 | 667.2 | 785.9 | 708.2 | 896.1 | 1,759.7 | 245.1 | 1,458.03 |
| Pulses | 261.7 | 304.6 | 359.4 | 278.1 | 472.5 | 848.2 | 511.6 | 432.99 |
| Maida | 332.7 | 263.1 | 266.1 | 283.0 | 220.9 | 339.9 | 268.9 | 383.48 |
| Atta | 299.0 | 199.3 | 177.8 | 141.9 | 169.6 | 269.9 | 352.6 | 281.13 |

Source: Food Corporation of Bhutan, Phuentsholing.

**Table 5.15: Quantity of Agricultural Produce Handled by Food Corporation of Bhutan (2006-2013)**

(Metric tones)

| Commodity | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|---|---|
| Potatoes | 20,645.2 | 21,611.9 | 21,109.1 | 30,998.6 | 24,439.4 | 23,117.1 | 22,906.9 | 26,028.18 |
| Vegetables | 1,488.0 | 1,432.6 | 1,592.7 | 1,310.4 | 1,672.0 | 1,736.2 | 2,097.0 | 2,930.86 |
| Apples | 452.5 | 202.3 | 121.6 | 107.8 | 83.8 | 43.5 | 58.7 | 51.69 |
| Oranges | 1,863.6 | 2,876.8 | 2,340.0 | 2,767.1 | 1,923.8 | 1,433.6 | 1,141.6 | 3,176.11 |
| Cardamom | ... | ... | ... | ... | ... | ... | ... | 0.08 |
| Ginger | 459.9 | ... | 463.0 | 724.5 | 484.3 | 697.0 | 692.6 | 412.46 |
| Garlic | ... | ... | ... | ... | 0.1 | 3.2 | ... | 0.07 |
| Arecanut | 153.9 | 233.3 | 545.1 | 418.4 | 661.9 | 456.3 | 356.3 | 213.28 |
| Supari(dried doma) | ... | ... | ... | ... | ... | ... | ... | ... |
| Dry chili | 6.4 | ... | 0.9 | 0.6 | 0.1 | ... | ... | ... |
| Kidney bean/ rajma | 69.5 | ... | 51.3 | 48.3 | 63.5 | 41.7 | 11.4 | 9.55 |
| Soya bean | 47.9 | ... | 17.1 | 56.3 | 24.6 | 13.1 | 1.6 | 14.42 |
| Pulses | ... | 100.4 | 68.4 | 0.3 | 0.4 | 0.2 | 12.9 | ... |
| Mustard | ... | ... | ... | ... | ... | ... | ... | ... |
| Pipla (wild) | ... | ... | ... | ... | ... | ... | ... | 0.01 |
| Lechi | ... | ... | ... | ... | ... | ... | ... | ... |
| Lemon | ... | ... | ... | 0.3 | 0.3 | 0.3 | 0.2 | 1.13 |
| Apricot | ... | ... | ... | ... | ... | ... | ... | ... |
| Peach | 0.2 | ... | 1.1 | 0.7 | 0.5 | 0.4 | 0.5 | 0.18 |
| Plum | ... | ... | 0.3 | 0.8 | 1.4 | 0.4 | 1.0 | 5.11 |
| Pear | 0.1 | ... | 0.4 | 1.1 | 0.4 | ... | ... | 0.14 |
| Dry bean | ... | ... | ... | ... | ... | ... | ... | ... |

Source: Food Corporation of Bhutan, Phuentsholing.

# 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 constant effort in protecting the environment and the priority has been in the sustainable use of natural resources in all its policies, plans and programs.

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

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

Percentage of Total Area by Land Cover, Bhutan 2010

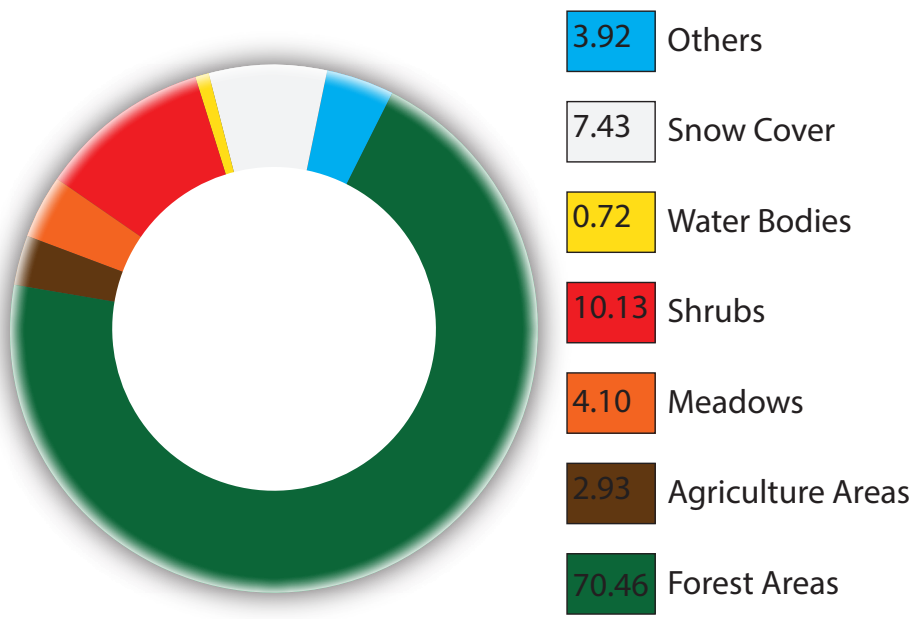


**Table 6.1: Area of Land-Use and Vegetation by Types, Bhutan 2010**

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

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

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

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

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

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

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

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

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

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

Source: Bhutan RNR Statistics 2012, MoAF

**Table 6.5: Monthly Maximum and Minimum Average Temperature by Dzongkhag, Bhutan 2013**

(Degree Celsius)

| Dzongkhag | Temperature | Month | | | | | | | | | | | | Average |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| Bumthang | max | 12.00 | 15.30 | 16.40 | 17.10 | 19.80 | 23.10 | 23.00 | 23.70 | 22.30 | 19.10 | 16.70 | 12.60 | 18.43 |
| | min | (6.60) | (2.20) | 2.30 | 6.20 | 9.10 | 13.30 | 14.30 | 13.00 | 12.20 | 6.90 | (1.60) | (1.80) | 5.43 |
| | Ave | 2.70 | 6.55 | 9.35 | 11.65 | 14.45 | 18.20 | 18.65 | 18.35 | 17.25 | 13.00 | 7.55 | 5.40 | 11.93 |
| Chhukha | max | 25.00 | 28.70 | 33.30 | 34.10 | 34.20 | 33.90 | 34.70 | 34.20 | 34.60 | 31.60 | 27.40 | 25.40 | 31.43 |
| | min | 10.10 | 15.20 | 18.90 | 20.40 | 21.70 | 23.10 | 23.20 | 23.00 | 23.20 | 20.80 | 15.60 | 13.00 | 19.02 |
| | Ave | 17.55 | 21.95 | 26.10 | 27.25 | 27.95 | 28.50 | 28.95 | 28.60 | 28.90 | 26.20 | 21.50 | 19.20 | 25.22 |
| Dagana | max | 11.70 | 15.20 | 17.20 | 17.90 | 19.50 | 21.70 | 21.90 | 23.00 | 22.20 | 19.50 | 16.70 | 12.70 | 18.27 |
| | min | 4.60 | 8.10 | 11.40 | 12.70 | 15.00 | 18.30 | 15.00 | 14.20 | 13.60 | 10.10 | 5.70 | 2.80 | 10.96 |
| | Ave | 8.15 | 11.65 | 14.30 | 15.30 | 17.25 | 20.00 | 18.45 | 18.60 | 17.90 | 14.80 | 11.20 | 7.75 | 14.61 |
| Gasa | max | 11.30 | 12.70 | 13.90 | 15.30 | 17.50 | 20.50 | 20.40 | 21.40 | 20.70 | 17.00 | 13.20 | 10.80 | 16.23 |
| | min | (0.90) | (0.90) | (1.30) | 4.60 | 8.10 | 11.70 | 11.30 | 11.10 | 10.80 | 9.70 | 0.80 | (3.10) | 5.16 |
| | Ave | 5.20 | 5.90 | 6.30 | 9.95 | 12.80 | 16.10 | 15.85 | 16.25 | 15.75 | 13.35 | 7.00 | 3.85 | 10.69 |
| Haa Namjayling | max | 11.00 | 13.90 | 15.60 | 15.40 | 18.90 | 21.50 | 22.40 | 21.70 | 20.70 | 16.90 | 15.50 | 12.90 | 17.20 |
| | min | (7.20) | (4.80) | 0.20 | 3.90 | 8.80 | 12.10 | 13.90 | 11.20 | 9.20 | 4.60 | (3.70) | (5.40) | 3.57 |
| | Ave | 1.90 | 4.55 | 7.90 | 9.65 | 13.85 | 16.80 | 18.15 | 16.45 | 14.95 | 10.75 | 5.90 | 3.75 | 10.38 |
| Khoma, Lhuentse | max | 23.00 | 27.50 | 27.00 | 27.70 | 27.80 | 32.80 | 31.70 | 33.20 | 30.50 | 27.40 | 25.10 | 21.40 | 27.93 |
| | min | 4.40 | 7.80 | 11.00 | 13.90 | 16.30 | 19.30 | 19.90 | 19.40 | 18.80 | 14.60 | 9.60 | 7.70 | 13.56 |
| | Ave | 13.70 | 17.65 | 19.00 | 20.80 | 22.05 | 26.05 | 25.80 | 26.30 | 24.65 | 21.00 | 17.35 | 14.55 | 20.74 |
| Monggar | max | 16.90 | 22.20 | 22.20 | 22.90 | 24.70 | 26.90 | 25.80 | 26.50 | 26.20 | 23.60 | 21.40 | 16.80 | 23.01 |
| | min | 5.10 | 7.90 | 10.70 | 12.40 | 15.30 | 18.10 | 18.20 | 17.70 | 17.00 | 13.70 | 9.20 | 6.90 | 12.68 |
| | Ave | 11.00 | 15.05 | 16.45 | 17.65 | 20.00 | 22.50 | 22.00 | 22.10 | 21.60 | 18.65 | 15.30 | 11.85 | 17.85 |
| Punakha | max | 24.10 | 25.20 | 29.40 | 30.40 | 31.60 | 32.80 | 32.40 | 33.10 | 32.40 | 29.80 | 26.30 | 21.80 | 29.11 |
| | min | 4.00 | 6.60 | 13.70 | 15.70 | 19.90 | 22.30 | 22.20 | 22.10 | 21.70 | 17.40 | 9.30 | 8.50 | 15.28 |
| | | 14.05 | 15.90 | 21.55 | 23.05 | 25.75 | 27.55 | 27.30 | 27.60 | 27.05 | 23.60 | 17.80 | 15.15 | 22.20 |
| Paro | max | 12.50 | 16.10 | 18.60 | 18.70 | 22.60 | 24.10 | 25.40 | 24.50 | 23.60 | 20.20 | 17.30 | 13.60 | 19.77 |
| | min | (4.40) | (1.10) | 3.00 | 6.40 | 10.20 | 13.80 | 14.40 | 13.50 | 12.70 | 8.20 | 0.60 | (2.10) | 6.27 |
| | Ave | 4.05 | 7.50 | 10.80 | 12.55 | 16.40 | 18.95 | 19.90 | 19.00 | 18.15 | 14.20 | 8.95 | 5.75 | 13.02 |

*(continued on next page)*

**Table 6.5: Monthly Maximum and Minimum Average Temperature by Dzongkhag, Bhutan 2013** *(continued)*

(Degree Celsius)

| Dzongkhag | Temperature | Month | | | | | | | | | | | | Average |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| Pema Gatshel | max | 14.80 | 18.10 | 20.60 | 20.10 | 22.30 | 24.50 | 23.50 | 24.00 | 24.90 | 22.90 | 20.30 | 16.10 | 21.01 |
| | min | 3.20 | 6.60 | 9.40 | 11.60 | 14.60 | 17.50 | 17.80 | 17.60 | 16.30 | 12.90 | 7.40 | 4.30 | 11.60 |
| | Ave | 9.00 | 12.35 | 15.00 | 15.85 | 18.45 | 21.00 | 20.65 | 20.80 | 20.60 | 17.90 | 13.85 | 10.20 | 16.30 |
| Samdrup Jongkhar | max | 19.70 | 22.00 | 24.70 | 23.80 | 25.00 | 28.20 | 28.10 | 28.10 | 27.30 | 26.00 | 22.90 | 18.80 | 24.55 |
| | min | 9.50 | 13.50 | 16.30 | 17.80 | 19.80 | 21.70 | 21.60 | 21.50 | 20.30 | 17.80 | 13.60 | 8.70 | 16.84 |
| | Ave | 14.60 | 17.75 | 20.50 | 20.80 | 22.40 | 24.95 | 24.85 | 24.80 | 23.80 | 21.90 | 18.25 | 13.75 | 20.70 |
| Sipsu, Samtse | max | 19.40 | 25.30 | 30.20 | 29.70 | 29.80 | 31.20 | 31.00 | 31.60 | 31.40 | 30.00 | 26.50 | 22.30 | 28.20 |
| | min | 9.00 | 13.80 | 18.60 | 19.80 | 19.80 | 22.20 | 22.80 | 23.50 | 23.00 | 20.90 | 15.40 | 11.60 | 18.37 |
| | Ave | 14.20 | 19.55 | 24.40 | 24.75 | 24.80 | 26.70 | 26.90 | 27.55 | 27.20 | 25.45 | 20.95 | 16.95 | 23.28 |
| Bhur, Sarpang | max | 21.80 | 25.20 | 27.60 | 26.20 | 27.30 | 30.40 | 29.80 | 31.60 | 31.70 | 29.20 | 28.00 | 24.30 | 27.76 |
| | min | 13.10 | 17.30 | 18.40 | 19.70 | 21.10 | 22.10 | 22.20 | 21.50 | 24.30 | 22.10 | 16.80 | 13.20 | 19.32 |
| | Ave | 17.45 | 21.25 | 23.00 | 22.95 | 24.20 | 26.25 | 26.00 | 26.55 | 28.00 | 25.65 | 22.40 | 18.75 | 23.54 |
| Simtokha, Thimphu | max | 15.40 | 19.00 | 21.60 | 21.60 | 25.20 | 27.50 | 27.50 | 27.30 | 26.50 | 22.90 | 20.60 | 16.60 | 22.64 |
| | min | (3.80) | (0.50) | 4.90 | 8.00 | 12.10 | 15.40 | 16.20 | 15.20 | 14.10 | 9.10 | 1.10 | (1.10) | 7.56 |
| | Ave | 5.80 | 9.25 | 13.25 | 14.80 | 18.65 | 21.45 | 21.85 | 21.25 | 20.30 | 16.00 | 10.85 | 7.75 | 15.10 |
| Kanglung, Trashigang | max | 17.50 | 21.50 | 23.90 | 24.10 | 26.20 | 28.60 | 28.00 | 27.90 | 27.90 | 24.90 | 22.00 | 17.80 | 24.19 |
| | min | 2.40 | 5.60 | 8.10 | 10.00 | 12.70 | 15.50 | 15.90 | 15.50 | 14.90 | 11.20 | 7.20 | 4.40 | 10.28 |
| | Ave | 9.95 | 13.55 | 16.00 | 17.05 | 19.45 | 22.05 | 21.95 | 21.70 | 21.40 | 18.05 | 14.60 | 11.10 | 17.24 |
| Trashi Yangtse | max | 15.30 | 19.80 | 21.30 | 21.40 | 23.30 | 25.70 | 25.50 | 26.40 | 25.20 | 22.70 | 19.70 | 16.60 | 21.91 |
| | min | 0.50 | 2.10 | 6.30 | 9.00 | 12.00 | 16.80 | 17.50 | 15.70 | 15.00 | 9.90 | 4.50 | 2.80 | 9.34 |
| | Ave | 7.90 | 10.95 | 13.80 | 15.20 | 17.65 | 21.25 | 21.50 | 21.05 | 20.10 | 16.30 | 12.10 | 9.70 | 15.63 |
| Trongsa | max | 14.30 | 18.00 | 18.50 | 18.30 | 20.10 | 22.60 | 21.60 | 22.70 | 22.00 | 19.70 | 17.70 | 13.00 | 19.04 |
| | min | 1.50 | 3.30 | 6.80 | 8.90 | 12.10 | 15.40 | 16.10 | 15.00 | 14.50 | 10.40 | 5.10 | 3.60 | 9.39 |
| | Ave | 7.90 | 10.65 | 12.65 | 13.60 | 16.10 | 19.00 | 18.85 | 18.85 | 18.25 | 15.05 | 11.40 | 8.30 | 14.22 |
| Tsirang | max | 13.80 | 17.80 | 19.20 | 20.40 | 21.60 | 23.60 | 23.30 | 23.40 | 23.20 | 21.30 | 18.40 | 14.50 | 20.04 |
| | min | 3.70 | 7.60 | 11.00 | 13.10 | 17.30 | 19.10 | 19.90 | 19.80 | 18.60 | 14.70 | 9.30 | 6.00 | 13.34 |
| | Ave | 8.75 | 12.70 | 15.10 | 16.75 | 19.45 | 21.35 | 21.60 | 21.60 | 20.90 | 18.00 | 13.85 | 10.25 | 16.69 |
| Wangdue Phodrang | max | 21.80 | 24.40 | 25.90 | 27.60 | 29.20 | 30.50 | 30.40 | 30.50 | 30.70 | 27.80 | 25.20 | 21.20 | 27.10 |
| | min | 3.30 | 6.10 | 11.60 | 14.60 | 18.20 | 20.60 | 21.10 | 20.60 | 19.60 | 15.90 | 7.50 | 7.20 | 13.86 |
| | Ave | 12.55 | 15.25 | 18.75 | 21.10 | 23.70 | 25.55 | 25.75 | 25.55 | 25.15 | 21.85 | 16.35 | 14.20 | 20.48 |
| Zhemgang | max | 13.60 | 17.10 | 19.20 | 19.50 | 22.20 | 24.70 | 24.70 | 24.80 | 24.30 | 21.80 | 18.60 | 14.60 | 20.43 |
| | min | 3.00 | 6.00 | 9.00 | 11.20 | 13.90 | 17.00 | 17.50 | 17.00 | 15.90 | 12.30 | 7.70 | 4.60 | 11.26 |
| | Ave | 8.30 | 11.55 | 14.10 | 15.35 | 18.05 | 20.85 | 21.10 | 20.90 | 20.10 | 17.05 | 13.15 | 9.60 | 15.84 |

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

**Table 6.6: Total Monthly Rainfall at Existing Stations in each Dzongkhag, Bhutan 2013**

(Millimeter)

| Dzongkhag | Station | Month | | | | | | | | | | | | Annual total rainfall |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| Bumthang | Chamkher | 0.7 | 34.7 | 55.8 | 145.5 | 175.7 | 50.6 | 175.6 | 144.0 | 51.1 | 84.2 | 2.6 | 0.0 | 920.5 |
| | Gyetsa | 0.0 | 105.1 | 47.6 | 73.3 | 169.2 | ... | 184.3 | 197.4 | 62.2 | 92.0 | 3.0 | 0.0 | 934.1 |
| Chhukha | Chhukha | 18.4 | 59.6 | 111.2 | 118.6 | 214.7 | 150.6 | 199.0 | ... | ... | ... | ... | ... | 872.1 |
| | Gedu | 8.2 | 85.8 | 62.0 | 165.6 | ... | ... | ... | 410.0 | 417.6 | 199.0 | 2.4 | 17.6 | 1368.2 |
| | Phuentsholing | 2.8 | 3.0 | 79.8 | 115.2 | 270.3 | 574.9 | 934.5 | 641.1 | 278.9 | 113.0 | 14.5 | 13.5 | 3041.5 |
| Dagana | Dagana Dzong | 6.0 | 46.4 | 64.4 | 50.1 | 302.7 | 200.5 | 262.3 | 224.6 | 104.4 | 140.6 | 0.0 | 0.0 | 1402.0 |
| | Drujeygang | ... | ... | 24.6 | ... | 239.2 | 176.2 | ... | ... | ... | 317.4 | ... | 0.0 | 757.4 |
| | Sunkosh | 1.8 | 43.9 | 16.7 | 64.9 | 208.4 | 121.7 | 316.3 | 236.5 | 111.1 | 74.0 | 0.0 | | 1195.3 |
| Gasa | Tashithang | ... | ... | ... | ... | ... | ... | 309.1 | ... | ... | ... | ... | 0.0 | 309.1 |
| | Gasa Katey | 14.0 | 15.0 | 113.2 | 77.0 | 209.5 | 226.4 | 318.9 | 373.2 | 255.9 | 149.0 | 58.0 | 32.0 | 1842.1 |
| Haa | Haa Namjeyling | 0.0 | 3.8 | 32.7 | 48.4 | 103.8 | 82.5 | 146.1 | 189.0 | 59.8 | 148.4 | 0.0 | 0.0 | 814.5 |
| Lhuentse | Khomachu | 0.0 | 17.0 | 85.6 | 18.8 | ... | ... | ... | ... | ... | ... | ... | ... | 121.4 |
| | Autsho | 0.2 | 45.2 | 57.2 | 41.8 | 179.0 | 188.4 | 115.2 | 220.0 | 143.8 | 70.4 | 1.0 | 0.8 | 1063.0 |
| | Dungkhar | 0.0 | 0.0 | 92.0 | 138.0 | 177.0 | 27.0 | 217.9 | ... | 231.1 | 122.2 | 0.0 | 1.5 | 1006.7 |
| Monggar | Monggar (A) | 2.8 | 39.6 | 51.0 | 103.6 | 222.4 | 156.0 | 108.6 | 224.8 | 174.8 | 95.0 | 3.2 | 3.6 | 1185.4 |
| | Lingmethang | 0.0 | 49.0 | 48.8 | 117.9 | 206.0 | 179.7 | 86.3 | 133.4 | 117.6 | 51.5 | 4.6 | 0.2 | 995.0 |
| | Yadi | 0.0 | 60.0 | ... | ... | 196.0 | ... | ... | ... | ... | ... | ... | ... | 256.0 |
| Paro | Paro | 13.8 | 42.8 | 23.2 | 38.0 | 81.6 | 46.0 | 47.8 | 96.4 | 57.6 | 43.6 | 0.0 | 0.0 | 490.8 |
| | Betikha | 0.0 | 17.0 | 374.0 | 335.0 | 357.0 | 251.0 | 246.0 | 513.0 | 199.0 | 222.5 | 8.0 | 0.0 | 2522.5 |
| | Drukgyel Dzong | 0.0 | 0.0 | 0.0 | 40.0 | 98.0 | 137.0 | 127.0 | 187.0 | 39.0 | 159.0 | 0.0 | ... | 787.0 |

*(continued on next page)*

**Table 6.6: Total Monthly Rainfall at Existing Stations in each Dzongkhag, Bhutan 2013**

*(continued)*

(Millimeter)

| Dzongkhag | Station | Month | | | | | | | | | | | | Annual total rainfall |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| Pema Gatshel | Pemagatshel | 0.0 | 49.0 | 89.6 | 85.1 | 226.1 | 272.0 | 326.2 | 170.4 | 192.6 | 47.1 | 3.8 | 1.6 | 1463.5 |
| | Dungmain | 0.0 | 45.0 | 55.0 | 50.0 | 635.0 | 104.0 | ... | 150.0 | 102.5 | 75.0 | 0.0 | 0.0 | 1216.5 |
| | Yurung | 0.0 | 90.9 | 163.4 | 153.3 | 216.4 | 382.0 | 562.8 | 118.5 | 277.7 | 34.0 | 0.0 | 0.0 | 1999.0 |
| | Dechenling | 0.0 | 23.0 | 100.0 | 145.5 | 330.0 | 428.5 | 799.0 | 272.5 | 482.5 | 125.0 | 0.0 | 0.0 | 2706.0 |
| Punakha | Punakha Dzong | 0.8 | 41.8 | 1.6 | 51.6 | 176.3 | 75.0 | 74.8 | 144.6 | 85.1 | 63.8 | 0.2 | 0.0 | 715.6 |
| | Shelgana | 3.0 | 2.5 | 47.7 | 14.6 | 108.0 | 128.0 | 154.0 | 204.0 | 79.0 | 49.0 | 14.0 | 3.0 | 806.8 |
| Samdrup Jongkhar | Airong | 0.0 | 0.0 | 160.0 | 324.6 | 165.2 | 389.9 | ... | ... | ... | ... | ... | ... | 1039.7 |
| | Deothang | 0.0 | 22.8 | 103.2 | 143.5 | 263.2 | 568.2 | 514.5 | 430.0 | 508.1 | 243.2 | 2.3 | 5.5 | 2804.5 |
| Samtse | Tendu | 6.6 | 39.6 | 74.2 | 146.6 | 224.1 | 354.4 | 345.8 | 599.8 | 136.6 | 167.2 | 14.2 | 2.4 | 2111.5 |
| | Samtse (NIE) | 4.2 | 15.0 | 23.2 | 139.1 | 456.6 | 920.9 | 1081.7 | 759.2 | 639.6 | 168.2 | 0.0 | 3.0 | 4210.7 |
| | Sipsu | 7.2 | 32.2 | 32.4 | 214.5 | 983.1 | 748.8 | 904.2 | 872.8 | 297.0 | 212.2 | 42.5 | 0.0 | 4346.9 |
| Thimphu | Gidakom | 0.0 | 53.6 | 28.8 | 30.9 | 47.2 | 39.7 | ... | 105.9 | 76.6 | 122.5 | 0.0 | ... | 505.2 |
| | Simtokha | 6.9 | 24.4 | 17.3 | 39.0 | 76.6 | 111.6 | 85.9 | 128.2 | 24.0 | 95.2 | 0.0 | 0.0 | 609.1 |
| Sarpang | Surey | 0.0 | 66.4 | 70.2 | 167.0 | 415.6 | 942.1 | 1335.7 | 407.5 | 876.2 | 228.4 | 21.6 | 0.0 | 4530.7 |
| | Bhur | 0.0 | 46.2 | 95.0 | 316.8 | 242.4 | 929.0 | 1384.1 | 1146.0 | 759.1 | 169.0 | 7.7 | 0.0 | 5095.3 |
| | Sarpang | 0.0 | 0.0 | 17.0 | 93.0 | 582.7 | 195.2 | 709.1 | 480.0 | 692.0 | 130.0 | 7.3 | 0.0 | 2906.3 |

*(continued on next page)*

**Table 6.6: Total Monthly Rainfall at Existing Stations in each Dzongkhag, Bhutan 2013**

*(continued)*

(Millimeter)

| Dzongkhag | Station | Month | | | | | | | | | | | | Annual total rainfall |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| Trashigang | Chazam | 0.0 | 39.8 | 26.4 | 94.5 | 133.0 | 103.0 | 103.9 | 122.7 | 78.2 | 14.0 | 8.0 | 0.0 | 723.5 |
| | Kanglung | 0.0 | 59.4 | 60.8 | 119.6 | 235.4 | 179.6 | 214.8 | 214.5 | 150.2 | 116.6 | 5.0 | 6.6 | 1362.5 |
| | Khaling | 4.0 | 336.0 | 516.0 | 970.0 | 1261.0 | 178.0 | 1519.0 | 204.4 | 955.0 | 333.0 | 20.0 | 10.0 | 6306.4 |
| | Radhi | 0.0 | 57.7 | 0.0 | 44.6 | 37.4 | 0.0 | 183.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 323.4 |
| | Thrimshing | 0.0 | 18.4 | 65.4 | 32.8 | 144.7 | 211.0 | 214.2 | 168.4 | 131.1 | 42.8 | 4.2 | | 1033.0 |
| | Wamrong | 26.0 | 10.0 | 14.5 | 128.5 | ... | 111.5 | 731.5 | 786.5 | 346.0 | ... | ... | ... | 2154.5 |
| Trashi Yangtse | Tashi Yangtse | 0.0 | 11.5 | 78.8 | 92.3 | 210.7 | 79.1 | 198.2 | 195.8 | 144.9 | 97.1 | 9.4 | 0.0 | 1117.8 |
| | Yalang | 0.0 | 52.2 | 58.0 | 226.9 | 205.4 | 123.5 | 241.6 | 298.7 | 84.5 | 95.6 | 0.0 | 0.0 | 1386.4 |
| Trongsa | Bjizam | ... | ... | ... | ... | ... | 153.6 | 155.8 | 174.6 | 95.4 | 112.0 | 3.2 | 2.6 | 697.2 |
| | Langthel | 0.0 | 37.0 | 30.5 | 81.0 | 125.5 | 152.0 | 120.5 | 196.5 | 160.0 | 68.0 | 7.5 | 0.0 | 978.5 |
| | Chendebji | 0.0 | 13.6 | 10.2 | 32.5 | 169.0 | 228.7 | 114.2 | 219.9 | 2.0 | 0.0 | 20.0 | 0.0 | 810.1 |
| | Trongsa | 1.0 | 41.1 | 88.4 | 146.4 | 226.6 | 157.8 | 221.3 | 178.4 | 174.0 | 111.4 | 4.4 | 0.7 | 1351.5 |
| Tsirang | Tsirang | 1.2 | 54.8 | 18.5 | 70.4 | 252.6 | 194.6 | 304.6 | 262.8 | 158.4 | 154.6 | 0.0 | 0.0 | 1472.5 |
| Wangdue Phodrang | Wangdue (RNRRC) | 3.2 | 33.0 | 33.3 | 53.4 | 203.8 | 65.1 | 109.0 | 92.9 | 101.7 | 97.4 | 0.0 | 0.0 | 792.8 |
| | Phobjikha | 0.0 | 0.0 | 405.0 | 195.0 | 2360.0 | 308.0 | 534.0 | 497.0 | 544.0 | 172.5 | 0.0 | ... | 5015.5 |
| | Samtengang | 0.0 | 32.0 | 19.5 | 70.2 | 211.0 | 124.0 | 198.5 | 137.0 | 97.0 | 130.0 | 0.0 | 0.0 | 1019.2 |
| Zhemgang | Buli | 0.0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Yebilaptsa | ... | ... | 53.1 | 82.6 | ... | ... | ... | ... | ... | ... | ... | ... | 135.7 |
| | Zhemgang | 0.4 | 50.7 | 34.5 | 87.3 | 188.3 | 239.1 | 283.2 | 329.5 | 181.5 | 92.9 | 0.8 | 0 | 1488.2 |

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

**Table 6.7: Details of Protected Areas in Bhutan, by Year of Establishment and Area, Bhutan 2013**

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

Source: Policy & Planning Division, MoAF, Thimphu.

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

| Item | Units | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 |
|---|---|---|---|---|---|---|---|
| Logwood | | | | | | | |
| Logwood (Urban/ Commercial/Auction) | cft | 1,925,871 | 1,791,035 | 1,853,056 | 1,559,657 | 2,068,852 | 1,999,407 |
| Logwood (Rural) | cft | 285,035 | 304,699 | 227,261 | 152,526 | 180,326 | 248,115 |
| Firewood | M3 | ... | 26,826 | 36,826 | 33,831 | 470795 | 529915 |
| Woodchips | M3 | ... | ... | ... | 10,510 | 21,539 | 16,641 |
| Sand | Truck Load | ... | ... | 2,470 | 27,374 | 17,329 | 28,646 |
| Stone/ Stonechips/ Gravels | Truck Load | ... | ... | ... | 6,457 | 21,539 | 16,641 |
| Poles | Numbers | ... | 12,780 | 18,080 | 36,710 | | |
| Total | | 2,210,905 | 2,135,341 | 2,137,693 | 1,827,066 | 2,309,585 | 2,309,450 |

Source: Policy & Planning Division, MoAF, Thimphu.

**Table 6.9: Supply of Timber at Commercial, Concessional and Free by Royalties, Bhutan 2011 & 2012**

(000' M3)

| Product Type | 2011 | | | | | | | 2012 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Com-mercial | Nu. in Millions | Conces-sional | Nu. in Millions | Free | Total | Total Nu. in Millions | Com-mercial | Nu. in Millions | Conces-sional | Nu. in Millions | Free | Total | Total Nu. in Millions |
| Cham | 0.05 | 0.03 | 5.39 | 1.20 | 0.16 | 5.60 | 1.23 | 0.01 | 0.01 | 2.66 | 0.51 | 0.30 | 2.97 | 0.51 |
| Dangchung | 0.33 | 0.01 | 1.05 | 0.02 | 0.01 | 1.40 | 0.04 | 0.03 | 0.00 | 0.38 | 0.01 | 0.01 | 0.41 | 0.01 |
| Drashing | 7.50 | 2.32 | 52.77 | 1.32 | 0.25 | 60.52 | 3.63 | 4.67 | 2.34 | 29.40 | 0.60 | 0.28 | 34.35 | 2.94 |
| Tsim | 0.25 | 0.02 | 3.18 | 0.21 | 0.00 | 3.43 | 0.23 | 0.17 | 0.01 | 2.32 | 0.12 | 0.00 | 2.49 | 0.13 |
| Shinglep | 0.10 | 0.028 | 0.65 | 0.01 | 0.00 | 0.75 | 0.04 | 0.07 | 0.003 | 0.31 | 0.01 | 0.01 | 0.38 | 0.01 |
| Sawn Timber | 1.16 | 0.49 | 0.56 | 0.22 | 0.00 | 1.72 | 0.70 | 0.54 | 0.22 | 0.23 | 0.04 | 0.00 | 0.77 | 0.25 |
| Firewood | 32.29 | 0.71 | 57.62 | 0.56 | 1.36 | 91.27 | 1.27 | 22.74 | 0.48 | 20.68 | 0.30 | 0.23 | 43.65 | 0.78 |
| Flag Poles | 1.18 | 0.06 | 3.84 | 0.08 | 0.00 | 5.02 | 0.13 | 0.25 | 0.01 | 0.67 | 0.01 | 0.00 | 0.92 | 0.02 |
| Fencing Posts | 5.64 | 0.18 | 9.07 | 0.20 | 0.35 | 15.07 | 0.38 | 0.92 | 0.04 | 0.17 | 0.01 | 0.01 | 1.10 | 0.04 |
| Other Poles/ Posts | 6.00 | 0.57 | 15.02 | 0.21 | 0.01 | 21.02 | 0.78 | 11.22 | 0.88 | 8.99 | 0.22 | 0.01 | 20.21 | 1.10 |
| Logs | 12.63 | 21.43 | 3.32 | 0.11 | 0.00 | 15.95 | 21.53 | 19.93 | 17.03 | 0.01 | 0.00 | 0.04 | 19.97 | 17.03 |
| Woodchips | 14.62 | 0.71 | 0.00 | 0.00 | 0.00 | 14.62 | 0.71 | 7.01 | 0.38 | 0.02 | 0.00 | 0.00 | 7.02 | 0.39 |
| Others | 2.49 | 0.31 | 0.29 | 0.01 | 0.42 | 3.20 | 0.31 | 3.32 | 0.13 | 0.78 | 0.01 | 2.16 | 6.26 | 0.14 |
| Total | 84.26 | 26.84 | 152.75 | 4.15 | 2.55 | 239.56 | 30.99 | 70.87 | 21.53 | 66.61 | 1.83 | 3.03 | 140.52 | 23.36 |

Source: Bhutan RNR Statistics 2012, MoAF

**Table 6.10: Quantity of Timber Supplied and Royalties Realized by Dzongkhag, Bhutan (2010-2012)**

| Dzongkhag | Quantity of Timber Supplied (M3) | | | | | |
|---|---|---|---|---|---|---|
| | 2010 | Nu. in Millions | 2011 | Nu. in Millions | 2012 | Nu. in Millions |
| Bumthang | 18,458 | 2.95 | 23,090 | 2.02 | 10,583 | 1.06 |
| Chhukha | 3,322 | 0.12 | 10,850 | 0.44 | 15,848 | 2.30 |
| Dagana | 1,514 | 0.09 | 4,772 | 0.25 | 5,072 | 0.23 |
| Gasa | 489 | 0.03 | 3,589 | 0.35 | 1,159 | 0.73 |
| Haa | 1,514 | 0.03 | 2,148 | 0.14 | 1,338 | 0.07 |
| Lhuentse | 4,918 | 0.15 | 12,837 | 0.83 | 8,899 | 0.90 |
| Monggar | 15,033 | 1.05 | 19,140 | 1.22 | 16,095 | 0.88 |
| Paro | 25,338 | 0.25 | 24,246 | 1.35 | 6,818 | 0.23 |
| Pema Gatshel | 9,692 | 0.23 | 4,818 | 0.30 | 3,295 | 0.07 |
| Punakha | 7,612 | 0.26 | 35,974 | 0.98 | 4,101 | 0.14 |
| Samdrup Jongkhar | 2,168 | 0.05 | 3,615 | 0.16 | 1,413 | 0.05 |
| Samtse | 3,804 | 0.14 | 14,340 | 0.58 | 7,905 | 0.37 |
| Sarpang | 1,075 | 0.07 | 3,155 | 0.31 | 5,052 | 0.09 |
| Thimphu | 9,660 | 0.72 | 14,749 | 0.69 | 8,233 | 1.13 |
| Trashigang | 4,557 | 0.22 | 13,437 | 0.51 | 10,255 | 0.47 |
| Trashi Yangtse | 6,853 | 0.20 | 21,310 | 0.99 | 7,529 | 0.36 |
| Trongsa | 2,245 | 0.17 | 6,288 | 0.60 | 2,417 | 0.12 |
| Tsirang | 3,101 | 0.05 | 6,325 | 0.11 | 4,737 | 0.13 |
| Wangdue Phodrang | 1,837 | 0.07 | 7,664 | 18.80 | 12,603 | 13.75 |
| Zhemgang | 2,398 | 0.08 | 7,218 | 0.35 | 7,169 | 0.29 |
| Total | 125,588 | 6.93 | 239,563 | 31.00 | 140,521 | 23.36 |

Source: Bhutan RNR Statistics 2012, MoAF

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

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

Source: Bhutan RNR Statistics 2012, MoAF

**Table 6.12: Mineral Production by Type, Bhutan (2008-2013)**

| Minerals | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|
| Dolomite (metric tonnes) | 1,247,568.11 | 1,028,992.60 | 1,214,619.93 | 1,082,300.76 | 1,499,534.68 | 1,740,015.95 |
| Lime stone (metric tonnes) | 583,706.63 | 649,951.70 | 704,911.60 | 649,291.20 | 677,128.94 | 1,006,234.63 |
| Gypsum (metric tonnes) | 248,444.70 | 299,735.67 | 344,034.49 | 352,233.95 | 313,172.96 | 351,420.64 |
| Coal (metric tonnes) | 123,704.23 | 48,545.01 | 87,815.42 | 108,904.47 | 98,731.18 | 77,743.58 |
| Marble (square feet) | 12,301.06 | 13,074.00 | 71,277.95 | 71,582.49 | 59,541.68 | 60,708.49 |
| Slate (square feet) | 8,226.89 | 18,998.00 | … | … | … | … |
| Quartzite (metric tonnes) | 94,687.65 | 82,578.00 | 111,370.67 | 95,015.79 | 88,630.78 | 90,909.28 |
| Talc (metric tonnes) | 56,077.39 | 64,949.00 | 40,204.18 | 8,562.14 | 16,062.59 | 9,584.24 |
| Stone (metric tonnes) | 408,943.11 | 511,780.54 | 6,649,977.80 | 1,842,678.84 | 1,494,467.05 | 38,542.28 |
| Granite ( metric tonnes) | 8,226.89 | 19,905.00 | 9,396.44 | 462.80 | 1,806.78 | 6,463.81 |
| Phyllite (metric tonnes) | … | … | 11,699.98 | 8,208.18 | 1,016.52 | 13,818.40 |
| Calc Tufa (metric tonnes) | … | … | … | 19,897.32 | 8,872.62 | … |
| Iron Ore (metric tonnes) | … | … | … | … | 3,741.77 | 20,505.81 |
| Clay | … | … | … | … | 7,353.40 | 15,165.66 |

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

**Table 6.13: Mineral Production by Type and Use, Bhutan (2010-2013)**

| Minerals | 2010 | | | 2011 | | | 2012 | | | 2013 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Export | Domestic Use | Total | Export | Domestic Use | Total | Export | Domestic Use | Total | Export | Domestic Use | Total |
| Dolomite (metric tonnes) | 1,214,620 | … | 1,214,620 | 1,071,433 | 8,981 | 1,080,414 | 1,498,105 | 1,429 | 1,499,535 | 1,730,644 | 9,372 | 1,740,016 |
| Lime stone (metric tonnes) | 34,522 | 670,389 | 704,912 | 39,860 | 585,675 | 625,535 | 47,074 | 630,054 | 677,128 | 49,527 | 956,707 | 1,006,235 |
| Gypsum (metric tonnes) | 306,536 | 37,499 | 344,034 | 312,371 | 41,435 | 353,806 | 278,203 | 34,970 | 313,173 | 311,492 | 39,929 | 351,421 |
| Coal mines (metric tonnes) | 58,819 | 28,997 | 87,815 | 73,354 | 33,551 | 106,904 | 46,608 | 52,123 | 98,731 | 5,202 | 72,542 | 77,744 |
| Marble (square feet) [1] | 70,701 | 187 | 70,888 | 700,013 | … | 700,013 | 5,523 | 54,019 | 59,542 | 59,623 | 1,086 | 60,708 |
| Slate ( square feet) [1] | … | … | … | … | … | … | … | … | … | … | … | … |
| Quartzite (metric tonnes) | 2,305 | 109,065 | 111,371 | 90,468 | 45 | 90,513 | 2,264 | 86,367 | 88,631 | 3,091 | 87,818 | 90,909 |
| Talc (metric tonnes) | 36,442 | … | 36,442 | 8,230 | … | 8,230 | 1,606 | 5 | 1,611 | 9,503 | 81 | 9,584 |
| Stone (metric tonnes | 80,871 | 6,569,107 | 6,649,978 | 182,761 | 1,674,460 | 1,857,221 | 45,866 | 1,448,601 | 1,494,467 | 11,235 | 27,308 | 38,542 |
| Granite ( square feet) [1] | … | 9,396 | 9,396 | … | 427 | 427 | … | 1,807 | 1,807 | … | 6,464 | 6,464 |
| Phyllite (metric tonnes) | … | 11,700 | 11,700 | 1,667 | 6,541 | 8,208 | 364 | 652 | 1,017 | … | 13,818 | 13,818 |
| Calc Tufa (metric tonnes) | … | … | … | … | 19,897 | 19,897 | … | 8,873 | 8,873 | … | … | … |
| Iron Ore (metric tonnes) | … | … | … | … | … | ... | … | 3,742 | 3,742 | 20,506 | … | 20,506 |
| Clay | … | … | … | … | … | … | … | 7,353 | 7,353 | 15,166 | … | 15,166 |

[1] The unit for the Marble, Slate & Granite is in Metric tonnes for the year 2010.
Source: Department of Geology and Mines, MoEA, Thimphu.

**Table 6.14: Length of Roads by Type, Bhutan (2008-2013)**

(Length in Km)

| Type of Road | Ex-press-way | Primary National Highway | Secondary National Highway | Dzong-khag Road | Feeder Road | Urban Road | Farm Road | Access Road [1] | All road |
|---|---|---|---|---|---|---|---|---|---|
| 2008 | 6.2 | … | … | 482.0 | 820.8 | 163.1 | 1,045.6 | 1,223.8 | 3,741.5 |
| Black topped | 6.2 | … | … | 449.5 | 160.9 | 150.0 | 0.0 | 304.6 | 1,071.2 |
| Non-black topped | 0.0 | … | … | 32.5 | 659.9 | 13.1 | 1,045.6 | 919.2 | 2,670.3 |
| 2009 | 6.2 | … | … | 490.7 | 910.8 | 206.7 | 1,361.6 | 1,296.5 | 4,272.5 |
| Black topped | 6.2 | … | … | 454.2 | 174.1 | 190.0 | 2.7 | 301.0 | 1,128.2 |
| Non-black topped | 0.0 | … | … | 36.5 | 736.7 | 16.7 | 1,358.9 | 995.5 | 3,144.3 |
| 2010 | 6.2 | … | … | 1,066.1 | … | 295.0 | 1,980.3 | 1,313.2 | 4,660.7 |
| Black topped | 6.2 | … | … | 196.5 | … | 265.8 | 0.2 | 291.2 | 759.9 |
| Non-black topped | 0.0 | … | … | 869.6 | … | 29.2 | 1,980.1 | 1,022.0 | 3,900.8 |
| 2011 | 6.2 | 1,757.2 | 516.4 | 1,112.9 | … | 303.6 | 3,289.7 | 1,380.3 | 8,366.2 |
| Black topped | 6.2 | 1,604.2 | 473.9 | 203.1 | … | 272.8 | 0.7 | 296.6 | 2,857.4 |
| Non-black topped | 0.0 | 153.0 | 42.5 | 909.8 | … | 30.8 | 3,289.0 | 1,083.7 | 5,508.8 |
| 2012 | 6.2 | 1,768.6 | 521.2 | 1,050.9 | … | 326.9 | 4,380.9 | 1,436.7 | 9,491.5 |
| Black topped | 6.2 | 1,627.3 | 473.9 | 203.1 | … | 295.8 | 0.0 | 296.7 | 2,902.9 |
| Non-black topped | 0.0 | 141.4 | 47.3 | 847.8 | … | 31.2 | 4,380.9 | 1,140.0 | 6,588.5 |
| 2013 | 6.2 | 1,860.1 | 578.2 | 1,178.3 | … | 349.7 | 5,255.2 | 1,350.5 | 10,578.2 |
| Black topped | 6.2 | 1,662.4 | 510.9 | 202.1 | … | 324.5 | 2.5 | 266.7 | 2,975.3 |
| Non-black topped | 0.0 | 197.7 | 67.3 | 976.2 | … | 25.2 | 5,252.7 | 1,083.8 | 7,602.9 |

[1] Access road includes Forest road and Power tiller road.

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

Source: Department of Roads, MoWHS, Thimphu.

**Table 6.15: Length of Roads by Type and Dzongkhag, Bhutan 2013**

(Length in Km)

| Dzongkhag | Expressway | Primary National Highway | Secondary National Highway | Dzongkhag Road | Urban Road | Farm Road | Access Road | Total | % |
|---|---|---|---|---|---|---|---|---|---|
| Bumthang | 0.0 | 151.3 | 0.0 | 50.0 | 1.7 | 169.1 | 69.2 | 441.2 | 4.2 |
| Chhukha | 0.0 | 272.0 | 0.0 | 58.6 | 28.6 | 334.6 | 231.5 | 925.3 | 8.7 |
| Dagana | 0.0 | 11.0 | 87.0 | 62.3 | 1.5 | 231.1 | 48.8 | 441.6 | 4.2 |
| Gasa | 0.0 | 0.0 | 48.7 | 7.0 | 0.0 | 11.0 | 3.2 | 69.8 | 0.7 |
| Haa | 0.0 | 16.0 | 25.6 | 34.0 | 7.9 | 108.7 | 54.0 | 246.2 | 2.3 |
| Lhuentse | 0.0 | 0.0 | 45.0 | 69.4 | 0.8 | 376.9 | 16.3 | 508.3 | 4.8 |
| Monggar | 0.0 | 213.4 | 20.0 | 71.4 | 11.4 | 687.2 | 77.6 | 1,081.1 | 10.2 |
| Paro | 0.0 | 103.0 | 64.6 | 41.1 | 5.2 | 353.7 | 32.8 | 600.4 | 5.7 |
| Pema Gatshel | 0.0 | 66.6 | 36.0 | 94.8 | 0.0 | 330.8 | 23.4 | 551.5 | 5.2 |
| Punakha | 0.0 | 52.0 | 35.2 | 40.3 | 4.4 | 312.6 | 91.1 | 535.7 | 5.1 |
| Samdrup Jongkhar | 0.0 | 73.8 | 48.0 | 41.0 | 7.3 | 242.6 | 33.4 | 446.1 | 4.2 |
| Samtse | 0.0 | 50.0 | 49.0 | 60.4 | 8.3 | 213.2 | 15.3 | 396.2 | 3.7 |
| Sarpang | 0.0 | 112.6 | 0.0 | 40.3 | 14.6 | 203.8 | 125.2 | 496.5 | 4.7 |
| Thimphu | 6.2 | 74.0 | 23.5 | 57.9 | 216.2 | 58.0 | 124.4 | 560.1 | 5.3 |
| Trashigang | 0.0 | 121.5 | 5.0 | 168.3 | 6.6 | 610.3 | 73.2 | 985.0 | 9.3 |
| Trashi Yangtse | 0.0 | 0.0 | 40.0 | 40.7 | 8.7 | 178.6 | 24.9 | 292.8 | 2.8 |
| Trongsa | 0.0 | 174.7 | 0.0 | 23.9 | 0.6 | 178.0 | 14.8 | 391.9 | 3.7 |
| Tsirang | 0.0 | 77.0 | 0.0 | 25.0 | 3.3 | 169.3 | 18.9 | 293.5 | 2.8 |
| Wangdue Phodrang | 0.0 | 132.0 | 0.0 | 110.8 | 8.5 | 257.5 | 238.1 | 746.9 | 7.1 |
| Zhemgang | 0.0 | 159.3 | 50.7 | 81.1 | 14.1 | 228.5 | 34.6 | 568.4 | 5.4 |
| Bhutan | 6.2 | 1,860.1 | 578.3 | 1,178.3 | 349.7 | 5,255.2 | 1,350.5 | 10,578.3 | 100 |

Source: Department of Roads,MoWHS, Thimphu.

**Table 6.16: Number of Registered Vehicles by Type and Region 2012 & 2013**

| Year | | 2012 | | | | | 2013 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Region / Type | | Thimphu | Phuntsholing | Gelephu | Samdrup Jongkhar | Total | Thimphu | Phuntsholing | Gelephu | Samdrup Jongkhar | Total |
| Government | Heavy | 546 | 481 | 57 | 48 | 1,132 | 550 | 517 | 60 | 49 | 1,176 |
| | Medium | 39 | 131 | 18 | 38 | 226 | 35 | 135 | 18 | 38 | 226 |
| | Light | 1,503 | 641 | 161 | 226 | 2,531 | 1,480 | 642 | 163 | 225 | 2,510 |
| | Two-Wheeler | 531 | 581 | 113 | 235 | 1,460 | 523 | 586 | 114 | 240 | 1,463 |
| | Power Tiller | 12 | 0 | 0 | 9 | 21 | 49 | 0 | 0 | 9 | 58 |
| | TR | 20 | 17 | 6 | 15 | 58 | 47 | 17 | 5 | 20 | 89 |
| | Earth Mover [1] | 115 | 51 | 35 | 40 | 241 | 116 | 57 | 37 | 40 | 250 |
| | Total | 2,766 | 1,902 | 390 | 611 | 5,669 | 2,800 | 1,954 | 397 | 621 | 5,772 |
| Private | Heavy | 2,165 | 4,534 | 264 | 348 | 7,311 | 2,169 | 4,577 | 265 | 357 | 7,368 |
| | Medium | 257 | 733 | 74 | 40 | 1,104 | 269 | 736 | 76 | 40 | 1,121 |
| | Light | 22,173 | 11,874 | 1,170 | 1,441 | 36,658 | 22,319 | 11,934 | 1,226 | 1,494 | 36,973 |
| | Two-Wheeler | 3,656 | 2,580 | 886 | 1,152 | 8,274 | 3,636 | 2,587 | 895 | 1,164 | 8,282 |
| | Taxi | 3,617 | 1,514 | 160 | 63 | 5,354 | 3,508 | 1,475 | 149 | 59 | 5,191 |
| | Power Tiller | 697 | 66 | 103 | 241 | 1,107 | 740 | 66 | 103 | 242 | 1,151 |
| | TR | 68 | 123 | 8 | 26 | 225 | 68 | 124 | 11 | 26 | 229 |
| | Earth Mover [1] | 496 | 1,090 | 47 | 44 | 1,677 | 503 | 1,125 | 50 | 43 | 1,721 |
| | Total | 33,129 | 22,514 | 2,712 | 3,355 | 61,710 | 33,212 | 22,624 | 2,775 | 3,425 | 62,036 |
| BHT | Light | 70 | 0 | 0 | 0 | 70 | 56 | 0 | 0 | 0 | 56 |
| | Total | 70 | 0 | 0 | 0 | 70 | 56 | 0 | 0 | 0 | 56 |
| Diplomats/ CD | Light | 65 | 0 | 0 | 0 | 65 | 57 | 0 | 0 | 0 | 57 |
| | Two-Wheeler | 5 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 5 |
| | Total | 70 | 0 | 0 | 0 | 70 | 62 | 0 | 0 | 0 | 62 |
| All Types | | 36,035 | 24,416 | 3,102 | 3,966 | 67,519 | 36,130 | 24,578 | 3,172 | 4,046 | 67,926 |

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

a. Excludes vehicles of armed forces.

b. The figures are in cumulative.

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

**Table 6.17: Total Electricity Generation and Supply, Bhutan (2007/08-2013)**

| Details | 2007/08 | 2008/09 | 2009/10 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|
| Installed capacity (MW) | 1,497.36 | 1,497.29 | 1,497.29 | 1,497.29 | 1,497.29 | 1,498.83 |
| Chhukha hydro power | 336.00 | 336.00 | 336.00 | 336.00 | 336.00 | 336.00 |
| Kurichu hydro power | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| Basochu - I hydro power | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 | 24.00 |
| Basochu - II hydro power | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 | 40.00 |
| THPA | 1,020.00 | 1,020.00 | 1,020.00 | 1,020.00 | 1,020.00 | 1,020.00 |
| Other hydro power | 8.17 | 8.10 | 8.10 | 8.10 | 8.10 | 8.10 |
| All diesel generators | 9.19 | 9.19 | 9.19 | 9.19 | 9.19 | 10.73 |
| Electricity generation (MU) | 6,562.40 | 6,960.64 | 6,997.59 | 7,066.53 | 6,823.71 | 7,550.04 |
| Chhukha hydro power | 1,774.37 | 1,767.70 | 1,839.91 | 1,774.13 | 1,742.10 | 1,907.44 |
| Kurichu hydro power | 379.11 | 375.92 | 368.35 | 361.80 | 360.93 | 378.60 |
| Basochu - I hydro power | 115.59 | 115.72 | 114.39 | 114.17 | 105.82 | 117.74 |
| Basochu - II hydro power | 210.57 | 206.29 | 207.82 | 208.12 | 194.00 | 212.65 |
| THPA | 4,056.13 | 4,473.07 | 4,441.24 | 4,587.99 | 4,405.48 | 4,914.59 |
| Other hydro power | 24.81 | 21.78 | 25.58 | 20.01 | 15.21 | 18.48 |
| All diesel generators | 1.82 | 0.17 | 0.30 | 0.31 | 0.18 | 0.54 |
| Exports (MU) | 5,429.12 | 5,609.37 | 5,352.51 | 5,283.90 | 4,924.00 | 5,624.59 |
| Imports (MU) | 7.25 | 16.72 | 19.55 | 19.87 | 36.75 | 36.75 |
| Total energy requirement (MU) | 1,140.49 | 1,368.17 | 1,665.00 | 1,713.93 | 1,853.76 | 1,924.24 |
| Total energy sales (MU) | 989.80 | 1,202.71 | 1,498.01 | 1,619.95 | 1,769.59 | 3,346.60 |
| Energy losses (MU) | 150.69 | 165.47 | 166.99 | 93.98 | 84.17 | 82.77 |
| Percentage losses (%) | 13.00 | 12.00 | 10.00 | 5.48 | 4.54 | 4.00 |
| Peak system demand (MW) | 194.00 | 211.00 | 237.17 | 276.24 | 282.44 | 313.94 |
| Length of HT lines (33/11 KV) | | | | | | |
| Overhead lines (km) | 2,643.71 | 2,734.95 | 2,906.79 | 3,785.99 | 4,090.35 | 5,021.27 |
| Underground lines (km) | 57.53 | 60.79 | 63.53 | 71.21 | 81.45 | 104.41 |
| Length of LT lines | | | | | | |
| Overhead lines (km) | 3,351.49 | 3,570.93 | 3,724.52 | 5,278.72 | 5,969.28 | 6,620.85 |
| Underground lines (km) | 165.77 | 173.30 | 187.48 | 189.31 | 193.35 | 314.74 |

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

**Table 6.18: Consumption of Electricity by Type of Consumer 2013**

| Type of Consumer | Energy Sold (MU) | % of Total Sales | No. of Consumers |
|---|---|---|---|
| Total consumption (MU) | 1,841.46 | 100.00 | 146,497.00 |
| Domestic rural | 73.44 | 3.99 | 74,441.00 |
| Domestic urban | 119.63 | 6.50 | 45,197.00 |
| Commercial | 46.59 | 2.53 | 10,752.00 |
| Industrial | 10.41 | 0.57 | 1,200.00 |
| Agriculture | 1.87 | 0.10 | 793.00 |
| Institutions | 52.98 | 2.88 | 8,929.00 |
| Street lighting | 3.42 | 0.19 | 321.00 |
| Power house auxiliaries | 1.31 | 0.07 | 34.00 |
| Temporary connections | 22.86 | 1.24 | 4,057.00 |
| LV Bulk | 69.49 | 3.77 | 710.00 |
| MV Industries | 111.49 | 6.05 | 47.00 |
| HV Industries | 1,327.97 | 72.12 | 16.00 |

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

**Table 6.19: Percentage of Major Attraction to Bhutan 2012 & 2013**

| Attractions | Percent | |
|---|---|---|
| | 2012 | 2013 |
| Unique Culture | 66.5 | 72.7 |
| Pristine Nature | 43 | 51.6 |
| Buddhism | 25.6 | 27.9 |
| Trekking | 12.7 | 13.6 |
| Undiscovered | 31.7 | 29.3 |
| Gross National Happiness | 33.4 | 32.9 |
| Flora/Fauna | 2.7 | 12.6 |
| Work/Business | 1.3 | 4.3 |
| Others | 4 | 4.8 |

Source: Tourism Council of Bhutan, Thimphu.

**Table 6.20: Import of Petroleum Products by Volumn and Value (2008-2013)**

| PoL Products | 2008 | | 2009 | | 2010 | | 2011 | | 2012 | | 2013 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Volume in KL/MT | Value in Nu. Million | Volume in KL/MT | Value in Nu. Million | Volume in KL/MT | Value in Nu.Million | Volume in KL/MT | Value in Nu. Million | Volume in KL/MT | Value in Nu. Million | Volume in KL/MT | Value in Nu. Million |
| Diesel (HSD) | 62,207.36 | 1,807.66 | 68,577.45 | 1,910.59 | 88,788.31 | 2,803.87 | 105,872.06 | 3,644.70 | 124,209.22 | 4,695.27 | 126,120.29 | 5,655.31 |
| Petrol(KL) | 0.00 | 703.35 | 20,554.78 | 724.34 | 23,934.81 | 969.20 | 26,877.82 | 1,369.43 | 29,316.90 | 1,636.28 | 30,272.20 | 1,750.31 |
| Kerosene(S.K oil) | 5,339.01 | 43.47 | 5,763.05 | 49.09 | 5,588.03 | 53.62 | 5,658.81 | 70.41 | 5,567.01 | 73.86 | 4,966.01 | 67.38 |
| SKO(Industrial) | 389.00 | 11.18 | 84.10 | 2.60 | 240.16 | 8.06 | 120.15 | 5.74 | 0.00 | 0.00 | 48.00 | 0.62 |
| Kerosene type jet fuel(ATF) | 837.23 | 37.19 | 98.70 | 30.72 | 1,342.87 | 48.69 | 1,455.00 | 71.96 | 2,082.02 | 120.46 | 3,168.00 | 197.09 |
| LPG | 5,726.48 | 114.82 | 10,410.52 | 121.21 | 24,217.66 | 145.08 | 7,458.61 | 181.45 | 7,480.71 | 194.96 | 6719.48 | 181.77 |
| Lubricating Oil | 1,164.41 | 124.86 | 2,780.67 | 155.20 | 1,564.64 | 194.34 | 1,929.99 | 275.70 | 2,380.92 | 365.25 | 2,573.47 | 404.56 |
| Furnance Oil | 1,880.00 | 56.58 | 4,907.11 | 121.36 | 3,352.04 | 103.71 | 13,985.34 | 95.40 | 1,363.36 | 64.97 | 721.58 | 34.03 |
| LDO | 171.00 | 5.95 | 368.84 | 13.31 | 243.00 | 10.41 | 322.00 | 17.09 | 189.11 | 11.43 | 204.00 | 13.49 |
| Petroleum Bitumen | 37,884.36 | 363.85 | 9,227.94 | 279.59 | 3,858.07 | 128.02 | 4,956.24 | 187.91 | 12,471.37 | 588.29 | 5,594.84 | 260.75 |
| Others (waste oils) | 40.55 | 3.88 | 156.11 | 9.02 | 44.35 | 4.93 | 235.48 | 17.38 | 225.17 | 17.51 | 218.28 | 21.66 |
| Others (containing biodiesel other than waste oils) | 0.99 | 0.39 | 4.84 | 0.40 | 5.30 | 0.29 | 3.05 | 0.19 | 19.33 | 2.07 | 58.29 | 1.70 |

Source: Bhutan Trade Statistics ,DRC, MoF, Thimphu

**Table 6.21: Total Ghg Emissions in Bhutan 2000**

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

Source: Second National Communication to the UNFCCC, NEC

**Table 6.22: PM 10 Concentration (Microgram/m3) for Thimphu Dzongkhag (2009 -2013)**

| Month | 2009 | 2010 | 2011 | 2012 | 2013 | |
|---|---|---|---|---|---|---|
| | NEC office top | NEC office top | NEC office top | NEC office top | City RBP Office roof top | NEC office top |
| January | … | 46.667 | 57.625 | 57.595 | 84.46 | 66.33 |
| Febuary | 42.118 | 65.366 | 50.338 | 50.831 | 100.92 | 54.47 |
| March | 82.280 | 80.442 | 54.859 | 76.033 | 98.07 | 64.87 |
| April | 50.207 | 25.934 | 40.863 | 41.374 | 76.51 | 49.56 |
| May | 27.942 | 59.350 | 19.243 | 38.820 | 51.27 | 33.84 |
| June | 27.917 | 10.038 | 21.044 | 31.073 | 39.73 | 16.06 |
| July | 12.854 | 7.880 | 12.008 | 22.510 | 27.39 | 7.56 |
| August | … | 44.673 | … | 15.683 | 33.01 | 7.95 |
| September | … | 44.923 | … | 17.253 | 64.18 | 18.65 |
| October | … | 31.795 | 26.992 | 39.831 | 47.28 | 21.75 |
| November | 24.303 | 188.680 | 33.598 | 54.787 | 97.24 | 51.10 |
| December | … | 70.957 | 41.765 | 68.862 | 105.49 | 57.55 |

Source: National Environment Commission, Thimphu.

# INDUSTRIES

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

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

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

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

The number of industrial license holders increased from 2,177in 2012 to 2,485 in 2013, with more than 90 percent of the establishments operated by the private sectors. Most of the existing industrial establishments are small scale or cottage industries.

**Number of Industries by Type 2008 & 2013**

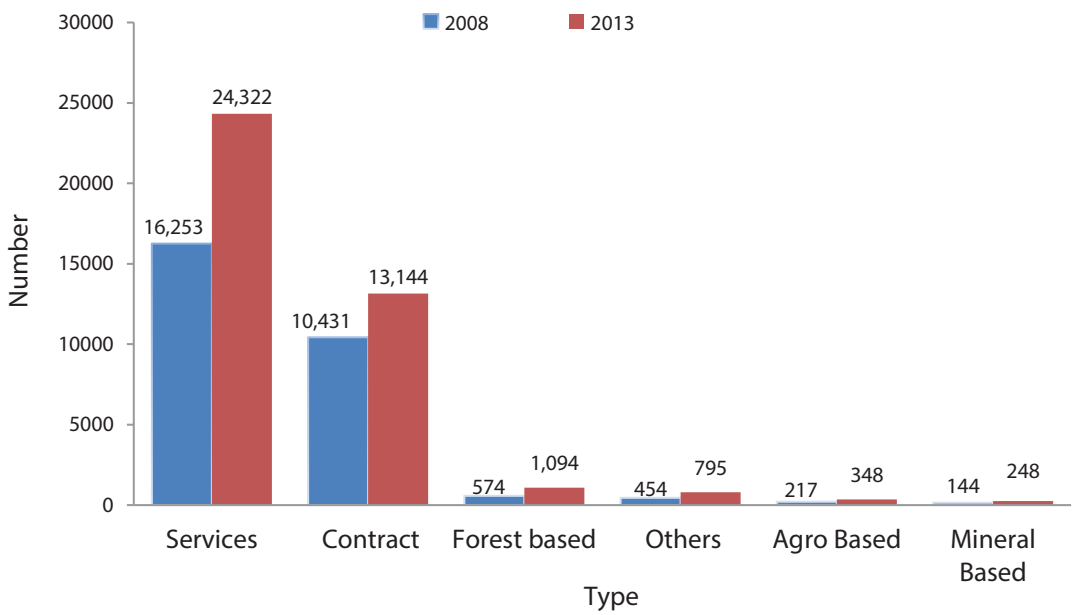


**Table 7.1: Number of Industrial Establishments by Sector, Bhutan (2008-2013)**

| Sector | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|
| Production & manufacturing | 1,389 | 1,565 | 1,777 | 1,977 | 2,240 | 2,485 |
| New registration | 133 | 173 | 237 | 221 | 256 | 242 |
| Existing establishments | 1,256 | 1,392 | 1,540 | 1,756 | 1,984 | 2,243 |
| Services | 16,253 | 17,907 | 19,231 | 20,799 | 22,365 | 24,322 |
| New registration | 1,331 | 1,626 | 1,437 | 1,632 | 1,583 | 1,906 |
| Existing establishments | 14,922 | 16,281 | 17,794 | 19,167 | 20,782 | 22,416 |
| Contract | 10,431 | 10,845 | 11,352 | 11,916 | 12,677 | 13,144 |
| New registration | 347 | 410 | 503 | 594 | 756 | 467 |
| Existing establishments | 10,084 | 10,435 | 10,849 | 11,322 | 11,921 | 12,677 |
| Trade | 13,769 | 16,089 | 18,892 | 20,373 | 19,423 | 22,331 |
| New registration | 2,429 | 3,349 | 3,371 | 3,603 | 3,632 | 4,801 |
| Existing establishments | 11,340 | 12,740 | 15,521 | 16,770 | 15,791 | 17,530 |
| All sectors | 41,842 | 46,406 | 51,252 | 55,065 | 56,705 | 62,282 |

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

**Table 7.2: Number of Licencesed Firms in Manufacturing and Mining Industries by Sub Sector and Ownership, Bhutan (2010-2013)**

| Industry | 2010 | | | | 2011 | | | | 2012 | | | | 2013 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Public | Joint | Private | Total | Public | Joint | Private | Total | Public | Joint | Private | Total | Public | Joint | Private | Total |
| Mining | 11 | 3 | 69 | 83 | 15 | 3 | 71 | 89 | 19 | 3 | 72 | 94 | 19 | 3 | 69 | 91 |
| Manufacturing | 42 | 23 | 1,659 | 1,724 | 42 | 23 | 1,912 | 1,977 | 27 | 9 | 2,141 | 2,177 | 26 | 10 | 2,449 | 2,485 |
| Food processing/ milling | 3 | 2 | 215 | 220 | 3 | 2 | 250 | 255 | 7 | 2 | 316 | 325 | 7 | 2 | 339 | 348 |
| Textiles and Clothing | 1 | 2 | 33 | 36 | 1 | 2 | 33 | 36 | 0 | 0 | 26 | 26 | 0 | 0 | 23 | 23 |
| Wood and Paper Products | 2 | 6 | 707 | 715 | 2 | 6 | 823 | 831 | 3 | 3 | 948 | 954 | 3 | 2 | 1089 | 1094 |
| Mineral Products | 20 | 5 | 152 | 177 | 20 | 5 | 184 | 209 | 6 | 3 | 164 | 173 | 6 | 3 | 172 | 181 |
| Others | 16 | 8 | 552 | 576 | 16 | 8 | 622 | 646 | 11 | 1 | 687 | 699 | 10 | 3 | 759 | 772 |
| Total | 53 | 26 | 1,728 | 1,807 | 57 | 26 | 1,983 | 2,066 | 46 | 12 | 2,213 | 2,271 | 45 | 13 | 2,518 | 2,576 |

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

**Table 7.3: Number of Industries by Ownership, Size and Type, Bhutan (2007-2013)**

| Industrial Establishments | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|---|
| Ownership | 26,261 | 28,073 | 30,317 | 32,360 | 34,692 | 37,282 | 39,951 |
| Private | 26,163 | 27,972 | 30,207 | 32,218 | 34,550 | 37,155 | 39,814 |
| Joint | 11 | 14 | 14 | 46 | 46 | 27 | 29 |
| Public | 87 | 87 | 96 | 96 | 96 | 100 | 108 |
| Size | 26,261 | 28,073 | 30,317 | 32,360 | 34,692 | 37,282 | 39,951 |
| Large scale | 85 | 91 | 103 | 114 | 133 | 141 | 162 |
| Medium scale | 112 | 128 | 156 | 201 | 220 | 240 | 268 |
| Small scale | 1,815 | 2,064 | 2,330 | 2,878 | 2,649 | 3,014 | 3,053 |
| Cottage scale | 14,165 | 15,359 | 16,883 | 17,815 | 19,774 | 21,210 | 23,324 |
| Other (Contract) | 10,084 | 10,431 | 10,845 | 11,352 | 11,916 | 12,677 | 13,144 |
| Type | 26,261 | 28,073 | 30,317 | 32,360 | 34,692 | 37,282 | 39,951 |
| Production & Manufacturing | 1,254 | 1,389 | 1,565 | 1,777 | 1,977 | 2,240 | 2,485 |
| Agro based | 207 | 217 | 252 | 287 | 291 | 325 | 348 |
| Forest based | 517 | 574 | 651 | 733 | 831 | 954 | 1,094 |
| Mineral based | 110 | 144 | 163 | 178 | 209 | 236 | 248 |
| Others | 420 | 454 | 499 | 579 | 646 | 725 | 795 |
| Contract | 10,084 | 10,431 | 10,845 | 11,352 | 11,916 | 12,677 | 13,144 |
| Services | 14,923 | 16,253 | 17,907 | 19,231 | 20,799 | 22,365 | 24,322 |

Source: Department of Industry, MoEA, Thimphu.

**Table 7.4: Number of Contract Firms by Size,by Dzongkhag, Bhutan 2013**

| Dzongkhag | Size of Contract Firm | | | Total |
|---|---|---|---|---|
| | Small | Medium | Large | |
| Bumthang | 315 | 11 | 1 | 327 |
| Chhukha | 810 | 161 | 45 | 1,016 |
| Dagana | 350 | 15 | … | 365 |
| Gasa | 46 | … | … | 46 |
| Haa | 275 | 48 | 2 | 325 |
| Lhuentse | 172 | 25 | … | 197 |
| Monggar | 454 | 70 | 3 | 527 |
| Paro | 605 | 81 | 1 | 687 |
| Pema Gatshel | 331 | 37 | 2 | 370 |
| Punakha | 371 | 11 | 1 | 383 |
| Samdrup Jongkhar | 326 | 87 | 20 | 433 |
| Samtse | 388 | 45 | 1 | 434 |
| Sarpang | 607 | 53 | 12 | 672 |
| Thimphu | 4,038 | 640 | 143 | 4,821 |
| Trashi Yangtse | 215 | 37 | 2 | 254 |
| Trashigang | 568 | 105 | 7 | 680 |
| Trongsa | 263 | 13 | … | 276 |
| Tsirang | 197 | 6 | … | 203 |
| Wangdue Phodrang | 774 | 22 | … | 796 |
| Zhemgang | 321 | 10 | 1 | 332 |
| Bhutan | 11,426 | 1,477 | 241 | 13,144 |

Source: Department of Industry, MoEA, Thimphu.

**Table 7.5: Number of Industrial Firms, by Type, by Dzongkhag, Bhutan 2013**

| Dzongkhag | Scale of Industry | | | | Total |
|---|---|---|---|---|---|
| | Small | Medium | Large | Cottage | |
| Bumthang | 59 | 15 | 5 | 780 | 859 |
| Chhukha | 334 | 63 | 57 | 3,093 | 3,547 |
| Dagana | 16 | 2 | 1 | 475 | 494 |
| Gasa | … | … | … | 80 | 80 |
| Haa | 45 | 1 | … | 262 | 308 |
| Lhuentse | 10 | … | … | 213 | 223 |
| Monggar | 45 | 7 | 2 | 1,011 | 1,065 |
| Paro | 217 | 30 | 7 | 1,668 | 1,922 |
| Pema Gatshel | 62 | 7 | 6 | 612 | 687 |
| Punakha | 43 | 8 | 5 | 704 | 760 |
| Samdrup Jongkhar | 51 | 5 | 9 | 945 | 1,010 |
| Samtse | 98 | 13 | 8 | 829 | 948 |
| Sarpang | 96 | 6 | 9 | 1,490 | 1,601 |
| Thimphu | 1,766 | 89 | 44 | 7,632 | 9,531 |
| Trashi Yangtse | 29 | … | … | 313 | 342 |
| Trashigang | 52 | 2 | 1 | 891 | 946 |
| Trongsa | 24 | 3 | 1 | 518 | 546 |
| Tsirang | 11 | 2 | … | 402 | 415 |
| Wangdue Phodrang | 90 | 14 | 7 | 974 | 1,085 |
| Zhemgang | 5 | 1 | … | 432 | 438 |
| Bhutan | 3,053 | 268 | 162 | 23,324 | 26,807 |

Source: Department of Industry, MoEA, Thimphu.

**Table 7.6: Number of Industries by Type, by Dzongkhag, Bhutan 2013**

| Dzongkhag | Agro Based | Forest Based based | Mineral Based | Services | Contract | Others | All Types types |
|---|---|---|---|---|---|---|---|
| Bumthang | 18 | 74 | 4 | 756 | 327 | 7 | 1,186 |
| Chhukha | 63 | 65 | 37 | 3,261 | 1,016 | 121 | 4,563 |
| Dagana | 8 | 5 | 7 | 472 | 365 | 2 | 859 |
| Gasa | 1 | 1 | 0 | 78 | 46 | 0 | 126 |
| Haa | 2 | 53 | 1 | 249 | 325 | 3 | 633 |
| Lhuentse | 3 | 10 | 1 | 208 | 197 | 1 | 420 |
| Monggar | 14 | 79 | 6 | 952 | 527 | 14 | 1,592 |
| Paro | 17 | 175 | 24 | 1,662 | 687 | 44 | 2,609 |
| Pema Gatshel | 12 | 44 | 19 | 599 | 370 | 13 | 1,057 |
| Punakha | 5 | 23 | 2 | 724 | 383 | 6 | 1,143 |
| Samdrup Jongkhar | 16 | 38 | 9 | 926 | 433 | 21 | 1,443 |
| Samtse | 27 | 32 | 49 | 824 | 434 | 16 | 1,382 |
| Sarpang | 54 | 52 | 16 | 1,461 | 672 | 18 | 2,273 |
| Thimphu | 62 | 190 | 34 | 8,754 | 4,821 | 491 | 14,352 |
| Trashi Yangtse | 4 | 108 | 1 | 227 | 254 | 2 | 596 |
| Trashigang | 11 | 55 | 8 | 848 | 680 | 24 | 1,626 |
| Trongsa | 7 | 14 | 3 | 522 | 276 | 0 | 822 |
| Tsirang | 12 | 12 | 6 | 385 | 203 | 0 | 618 |
| Wangdue Phodrang | 5 | 31 | 20 | 1,020 | 796 | 9 | 1,881 |
| Zhemgang | 7 | 33 | 1 | 394 | 332 | 3 | 770 |
| Bhutan | 348 | 1,094 | 248 | 24,322 | 13,144 | 795 | 39,951 |

Source: Department of Industry, MoEA, Thimphu.

**Table 7.7: Number of Establishment by Nature of Major Economic Activity, Bhutan 2010**

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

No Establishment Census has been conducted in the year 2011, therefore the data is of the year 2010 only.
Source: Establishment Census 2010, MoLHR.

## Table 7.8: Establishments by Major Economic Activity by Dzongkhag, Bhutan 2010

(Numbers)

| Dzongkhag | Type of Establishment | | | | | | | | | | | | | Total | Percent |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Agriculture,Hunting & Forestry | Mining & Quarring | Manufacturing | Electricity,-Gasand Water Supply | Construction | Wholesale & Retail trade,Repair of Motor Vehicles & Personal &Household Goods | Hotels & Restuarents | Financial Intermediation | Real estate, Renting & Business Activities | Public Adm& Defence,Compulsory Social Security | Education | Health & Social Work | Other community,Social & Personal Service Activities | | |
| Bumthang | 1 | 0 | 15 | 1 | 1 | 118 | 59 | 2 | 3 | 0 | 1 | 1 | 10 | 212 | 2.8 |
| Chhukha | 0 | 3 | 61 | 4 | 16 | 481 | 265 | 5 | 70 | 3 | 3 | 2 | 52 | 965 | 12.9 |
| Dagana | 0 | 0 | 5 | 4 | 1 | 111 | 54 | 0 | 4 | 0 | 1 | 0 | 0 | 180 | 2.4 |
| Gasa | 0 | 0 | 0 | 0 | 0 | 14 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 17 | 0.2 |
| Haa | 0 | 0 | 21 | 3 | 0 | 71 | 14 | 3 | 2 | 0 | 0 | 0 | 1 | 115 | 1.5 |
| Lhuentse | 0 | 0 | 7 | 2 | 0 | 56 | 7 | 2 | 0 | 0 | 0 | 0 | 1 | 75 | 1.0 |
| Monggar | 1 | 0 | 23 | 2 | 4 | 173 | 43 | 5 | 4 | 0 | 1 | 0 | 5 | 261 | 3.5 |
| Paro | 1 | 1 | 56 | 1 | 1 | 339 | 143 | 1 | 27 | 1 | 2 | 1 | 28 | 602 | 8.1 |
| P/ Gatshel | 0 | 1 | 9 | 0 | 0 | 83 | 40 | 5 | 2 | 0 | 0 | 0 | 4 | 144 | 1.9 |
| Punakha | 1 | 1 | 19 | 1 | 0 | 90 | 33 | 3 | 3 | 0 | 0 | 0 | 3 | 154 | 2.1 |
| S/Jongkhar | 10 | 2 | 29 | 1 | 9 | 223 | 83 | 6 | 37 | 0 | 2 | 2 | 18 | 422 | 5.6 |
| Samtse | 1 | 3 | 20 | 3 | 14 | 204 | 119 | 1 | 4 | 1 | 0 | 2 | 10 | 382 | 5.1 |
| Sarpang | 1 | 1 | 48 | 3 | 4 | 347 | 168 | 2 | 34 | 0 | 2 | 1 | 21 | 632 | 8.5 |
| Thimphu | 6 | 7 | 200 | 5 | 11 | 1,282 | 469 | 5 | 94 | 7 | 4 | 7 | 127 | 2224 | 29.8 |

*(continued on next page)*

**Table 7.8: Establishments by Major Economic Activity by Dzongkhag, Bhutan 2010** *(continued)*

(Numbers)

| Dzongkhag | Type of Establishment | | | | | | | | | | | | | Total | Percent |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Agriculture,Hunting & Forestry | Mining & Quarring | Manufacturing | Electricity,-Gasand Water Supply | Construction | Wholesale & Retail trade,Repair of Motor Vehicles & Personal &Household Goods | Hotels & Restuarents | Financial Intermediation | Real estate, Renting & Business Activities | Public Adm& Defence,Compulsory Social Security | Education | Health & Social Work | Other community,Social & Personal Service Activities | | |
| Trashigang | 2 | 0 | 9 | 3 | 5 | 164 | 41 | 5 | 7 | 0 | 0 | 0 | 5 | 241 | 3.2 |
| T/Yangtse | 0 | 0 | 8 | 2 | 0 | 31 | 21 | 3 | 1 | 0 | 0 | 0 | 1 | 67 | 0.9 |
| Trongsa | 0 | 1 | 6 | 1 | 9 | 62 | 63 | 2 | 4 | 0 | 0 | 1 | 4 | 153 | 2.0 |
| Tsirang | 0 | 0 | 15 | 2 | 0 | 73 | 33 | 3 | 15 | 0 | 2 | 0 | 2 | 145 | 1.9 |
| W/Phodrang | 1 | 2 | 39 | 1 | 5 | 225 | 75 | 5 | 3 | 0 | 0 | 0 | 1 | 357 | 4.8 |
| Zhemgang | 1 | 0 | 8 | 1 | 2 | 69 | 37 | 4 | 0 | 0 | 1 | 0 | 3 | 126 | 1.7 |
| Bhutan | 26 | 22 | 598 | 40 | 82 | 4,216 | 1,768 | 63 | 315 | 12 | 19 | 17 | 296 | 7474 | 100 |

Source: Establishment Census 2010, MoLHR.

**Table 7.9: Establishments by Major Economic Activity and Ownership, Bhutan 2010**

(Numbers)

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

Source: Establishment Census 2010, MoLHR.

**Table 7.10: Establishments by Ownership, by Dzongkhag 2010**

(Numbers)

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

Source: Establishment Census 2010, MoLHR.

**Table 7.11: Establishments by Legal Organization, by Dzongkhag 2010**

(Numbers)

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

Source: Establishment Census 2010, MoLHR.

**Table 7.12: Establishments by Kind of Raw Materials Used and Ownership 2010**

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

Source: Establishment Census 2010, MoLHR.

**Table 7.13: Equipment and Machineries Used in Major Economic Activity, Bhutan 2010**

(Numbers)

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

Source: Establishment Census - 2010, MoLHR.

# TRANSPORT AND COMMUNICATION

An efficient road system for a landlocked country assumes paramount importance as it plays a crucial role in supporting all development activities and in stimulating domestic and international trade. The first appearance of motor vehicle was in 1962 and surface transport continues to be the main means of transport. The Bhutan Government Transport Service (BGTS) originally entrusted with goods transportation was restructured to concentrate on passenger transport. The gradual privatization of the passenger transport services began in 1985 on pilot basis and was achieved fully by October 1991 with 21 operators managing a fleet of more than 100 buses on 73 routes. As of December 2013, there were 67,926 registered vehicles in Bhutan.

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

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

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

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

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

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

Today, the Post's network consists of 89 outlets, including 2 General Post Offices and 17 Post Offices. Its portfolio of services also developed and improved over time and an International Express Mail Service (EMS) was introduced in July 1993. Express mail services were introduced into the domestic sector in 1966. Money order services were improved with the introduction of Facsimile Money Order for Bhutan and Express Money Order (EMO) for exchange with India. In 1997, Bhutan Post set up a transport network for the purpose of carrying both passenger and mail. This network presently covers between Thimphu and Phuentsholing and between Phuentsholing and Calcutta. There are now 128 postal infrastructures in Bhutan.

**Number of Registered Vehicles by Type 2008 & 2013**

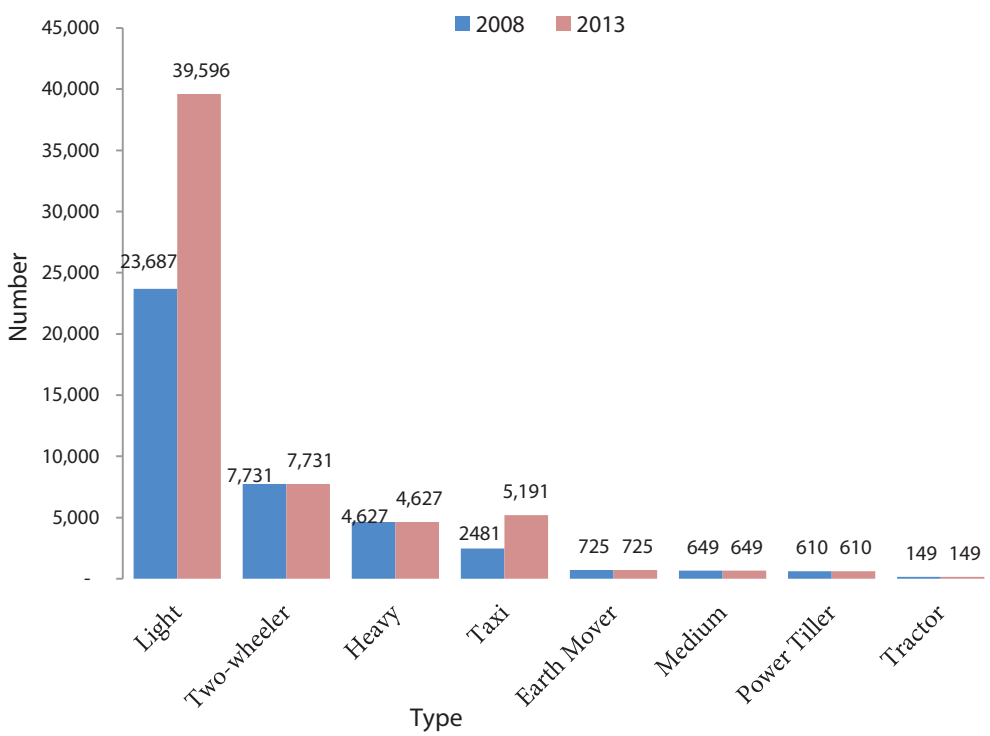


**Table 8.1: Number and Length of Motorable Bridges by Type, Bhutan 2013**

(Length in m)

| Type of Bridges | Number | Percent | Length | Percent |
|---|---|---|---|---|
| Permanent bridges | 186 | 55.4 | 5,513.76 | 52.0 |
| RCT Beam / T-Girder | 70 | 20.8 | 1,391.30 | 13.1 |
| RC Slab | 29 | 8.6 | 521.25 | 4.9 |
| Pre-Stressed Concrete | 14 | 4.2 | 721.00 | 6.8 |
| Rc Arch | 3 | 0.9 | 265.00 | 2.5 |
| Composite | 20 | 5.9 | 376.06 | 3.6 |
| Steel Pony Truss | 4 | 1.2 | 190.00 | 1.8 |
| Steel Langar Arch | 6 | 1.8 | 494.45 | 4.7 |
| Steel Hamilton | 10 | 3.0 | 313.60 | 3.0 |
| Steel Truss / Girder | 13 | 3.9 | 774.60 | 7.3 |
| M-Cell Box Culvert | 5 | 1.5 | 216.00 | 2.0 |
| Submersible | 7 | 2.1 | 193.50 | 1.8 |
| RCC bridges on GC Roads | 5 | 1.5 | 57.00 | 0.5 |
| Temporary (semi-permanent)bridges | 118 | 35.1 | 3,869.59 | 36.5 |
| Bailey | 92 | 27.3 | 2,750.69 | 26.0 |
| Bailey SN | 1 | 0.3 | 310.98 | 2.9 |
| Bailey bridges on Farm Roads | 14 | 4.2 | 374.99 | 3.5 |
| Bailey bridges on GC & Farm Roads | 11 | 3.3 | 432.93 | 4.1 |
| All bridges | 304 | 90.5 | 9,383.35 | 88.5 |

Source: Bridge Division, DoR , MoWHS, Thimphu.

**Table 8.2: Number of Driving Licenses Issued by Region, Bhutan (2008-2013)**

| Region | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|
| Thimphu | 27,696 | 31,190 | 35,385 | 39,194 | 43,789 | 46,588 |
| Phuentsholing | 5,553 | 6,183 | 7,353 | 8,113 | 9,084 | 9,902 |
| Gelephu | 4,652 | 5,219 | 6,821 | 8,020 | 9,607 | 11,002 |
| Samdrup Jongkhar | 3,550 | 4,158 | 5,820 | 6,478 | 7,632 | 8,496 |
| PDL (Professional Driving Licence) | 5,958 | 6,788 | 7,557 | 11,006 | 13,455 | 15,022 |
| Total | 47,409 | 53,538 | 62,936 | 72,811 | 83,567 | 91,010 |

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

**Table 8.3: Number of Pedestrian Bridges Constructed Since 5Th Five Year Plan by Dzongkhag, 2013**

| Dzongkhag | Five Year Plans | | | | | | | Total Con-structed (I -X) | Percent (I -X) | Existing Bridge as of Dec 2013 |
|---|---|---|---|---|---|---|---|---|---|---|
| | IV & Before | V | VI | VII | VIII | IX | X | | | |
| Bumthang | 1 | 7 | 3 | 4 | 2 | 2 | 1 | 20 | 3.85 | 17 |
| Chhukha | 3 | 5 | 1 | 3 | 4 | 2 | 4 | 22 | 4.23 | 15 |
| Dagana | 3 | 4 | 2 | 5 | 4 | 4 | 6 | 28 | 5.38 | 23 |
| Gasa | 0 | 0 | 2 | 2 | 2 | 1 | 0 | 7 | 1.35 | 3 |
| Haa | 3 | 6 | 1 | 4 | 2 | 0 | 1 | 17 | 3.27 | 14 |
| Lhuentse | 3 | 4 | 2 | 4 | 4 | 6 | 5 | 28 | 5.38 | 24 |
| Monggar | 9 | 5 | 2 | 5 | 6 | 7 | 7 | 41 | 7.88 | 33 |
| Paro | 3 | 8 | 3 | 2 | 2 | 2 | 3 | 23 | 4.42 | 20 |
| P/ Gatshel | 5 | 11 | 2 | 4 | 6 | 4 | 5 | 37 | 7.12 | 28 |
| Punakha | 3 | 4 | 1 | 1 | 1 | 3 | 3 | 16 | 3.08 | 13 |
| S/ Jongkhar | 7 | 11 | 6 | 3 | 3 | 3 | 7 | 40 | 7.69 | 23 |
| Samtse | 9 | 15 | 2 | 1 | 4 | 2 | 4 | 37 | 7.12 | 29 |
| Sarpang | 6 | 8 | 5 | 0 | 5 | 3 | 1 | 28 | 5.38 | 21 |
| Thimphu | 1 | 1 | 3 | 3 | 0 | 4 | 2 | 14 | 2.69 | 11 |
| Trashigang | 7 | 10 | 2 | 4 | 7 | 7 | 2 | 39 | 7.50 | 29 |
| T/ Yangtse | 3 | 6 | 4 | 3 | 3 | 3 | 7 | 29 | 5.58 | 25 |
| Trongsa | 4 | 6 | 3 | 4 | 1 | 2 | 2 | 22 | 4.23 | 16 |
| Tsirang | 5 | 4 | 1 | 2 | 2 | 1 | 1 | 16 | 3.08 | 13 |
| W/ Phodrang | 2 | 10 | 5 | 3 | 2 | 3 | 2 | 27 | 5.19 | 23 |
| Zhemgang | 1 | 5 | 4 | 4 | 5 | 6 | 4 | 29 | 5.58 | 22 |
| Bhutan | 78 | 130 | 54 | 61 | 65 | 65 | 67 | 520 | 100.00 | 402 |

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

**Table 8.4: Number of Passengers Carried & Revenue Earned by Druk Air Flights by Area of Operation (2007-2013)**

| Area of Operation | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|---|
| International | 121,711 | 119,105 | 118,084 | 132,615 | 166,264 | 193,405 | 208,125 |
| Paro to Kolkata | 7,305 | 8,557 | 7,956 | 11,261 | 12,647 | 11,508 | 11,484 |
| Kolkata to Paro | 6,470 | 6,932 | 7,452 | 10,156 | 11,305 | 10,627 | 10,846 |
| Paro to Bangkok | 17,996 | 20,700 | 21,786 | 23,606 | 29,935 | 36,123 | 33,471 |
| Bangkok to Paro | 17,656 | 20,508 | 21,159 | 22,924 | 28,841 | 34,244 | 32,059 |
| Paro to Dhaka | 642 | 910 | 1,514 | 2,910 | 3,524 | 3,827 | 3,495 |
| Dhaka to Paro | 899 | 966 | 1,383 | 2,923 | 3,568 | 3,522 | 3,539 |
| Paro to Delhi | 8,325 | 10,619 | 10,080 | 11,288 | 16,273 | 18,431 | 18,667 |
| Delhi to Paro | 8,180 | 9,620 | 9,738 | 11,855 | 15,888 | 17,615 | 17,840 |
| Paro to Kathmandu | 6,251 | 8,015 | 8,539 | 10,386 | 13,377 | 16,273 | 18,721 |
| Kathmandu to Paro | 6,378 | 8,192 | 8,750 | 10,590 | 14,194 | 16,793 | 19,133 |
| Kathmandu to Delhi | 9,281 | 2,277 | 2,017 | 0 | 108 | 555 | 2,657 |
| Delhi to Kathmandu | 6,727 | 1,530 | 1,073 | 0 | 30 | 132 | 1,390 |
| Kolkata to Bangkok | 6,849 | 4,735 | 1,640 | 0 | 0 | 0 | 0 |
| Bangkok to Kolkata | 7,414 | 5,033 | 1,568 | 3 | 0 | 0 | 0 |
| Dhaka to Bangkok | 2,666 | 2,352 | 2,689 | 2,229 | 2,238 | 3,227 | 2,627 |
| Bangkok to Dhaka | 1,759 | 2,020 | 2,375 | 1,816 | 1,710 | 2,355 | 2,266 |
| Gaya to Bangkok | 2,748 | 2,256 | 1,444 | 685 | 202 | 658 | 551 |
| Bangkok to Gaya | 2,776 | 2,546 | 1,372 | 606 | 243 | 555 | 549 |
| Paro to Gaya | 852 | 650 | 988 | 718 | 1,180 | 558 | 507 |
| Gaya to Paro | 537 | 687 | 891 | 812 | 699 | 652 | 468 |
| Paro to Bagdora | … | … | 1,294 | 1,982 | 1,493 | 1,729 | 2,143 |
| Bagdora to Paro | … | … | 1,264 | 1,920 | 1,637 | 1,808 | 2,161 |
| Bagdora to Bangkok | … | … | 649 | 1,806 | 1,883 | 2,145 | 2,284 |
| Bangkok to Bagdora | … | … | 463 | 1,670 | 1,863 | 1,933 | 1,902 |
| Paro to Guwahati | … | … | … | 107 | 913 | 880 | 1,072 |
| Guwahati to Paro | … | … | … | 99 | 479 | 563 | 797 |
| Guwahati to Bangkok | … | … | … | 180 | 1,122 | 1,736 | 1,511 |

*(continued on next page)*

**Table 8.4: Number of Passengers Carried & Revenue Earned by Druk Air Flights by Area of Operation (2007-2013)** *(continued)*

| Area of Operation | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|---|
| Bangkok to Guwahati | … | … | … | 83 | 912 | 1,507 | 1,446 |
| Paro to Singapore | … | … | … | ... | … | 1,409 | 3,831 |
| Singapore to Paro | … | … | … | ... | … | 1,505 | 3,772 |
| Kolkata to Singapore | … | … | … | ... | … | 190 | 3,213 |
| Singapore to Kolkata | … | … | … | ... | … | 345 | 3,295 |
| Kolkata to Dhaka | … | … | … | ... | … | … | 183 |
| Dhaka to Kolkata | … | … | … | ... | … | … | 245 |
| Domestic | … | … | … | ... | 60 | 878 | 2,766 |
| Paro to Bumthang | … | … | … | ... | 23 | 271 | 990 |
| Bumthang to Paro | … | … | … | ... | 21 | 388 | 1,410 |
| Paro to Gelephu | … | … | … | ... | … | … | 21 |
| Gelephu to Paro | … | … | … | ... | … | … | 20 |
| Paro to Younphula | … | … | … | ... | 6 | 120 | 175 |
| Younphula to Paro | … | … | … | ... | 10 | 99 | 150 |
| Total Passengers | 121,711 | 119,105 | 118,084 | 132,615 | 166,324 | 194,283 | 210,891 |
| Revenue (Nu.in millions) | 1,256 | 1,267 | 1,344 | 1,495 | 2,021 | 2,488 | 2,584 |

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

**Table 8.5: Number of Flights Made by Druk Air by International and Domestic by Area of Operation (2007-2013)**

| Area of Operation | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|---|
| International | 3,443 | 3,224 | 3,142 | 2,954 | 3,810 | 4,382 | 4,683 |
| Paro to Kolkata | 239 | 199 | 175 | 218 | 269 | 285 | 279 |
| Kolkata to Paro | 240 | 199 | 172 | 224 | 234 | 276 | 277 |
| Paro to Bangkok | 376 | 376 | 369 | 353 | 406 | 476 | 446 |
| Bangkok to Paro | 375 | 384 | 371 | 353 | 406 | 478 | 448 |
| Paro to Dhaka | 87 | 89 | 106 | 121 | 131 | 149 | 132 |
| Dhaka to Paro | 83 | 79 | 105 | 112 | 122 | 146 | 126 |
| Paro to Delhi | 180 | 184 | 175 | 156 | 235 | 254 | 254 |
| Delhi to Paro | 185 | 185 | 180 | 159 | 233 | 243 | 253 |
| Paro to Kathmandu | 191 | 198 | 184 | 228 | 305 | 357 | 339 |
| Kathmandu to Paro | 188 | 186 | 183 | 230 | 300 | 357 | 336 |
| Paro to Gaya | 70 | 70 | 46 | 32 | 21 | 19 | 17 |
| Gaya to Paro | 72 | 75 | 46 | 32 | 20 | 19 | 18 |
| Delhi to katmandu | 178 | 160 | 132 | 0 | 38 | 23 | 84 |
| kathmandu to Delhi | 171 | 158 | 134 | 0 | 54 | 32 | 85 |
| Bangkok to kolkata | 233 | 181 | 135 | 0 | 0 | 0 | 0 |
| Kolkata to Bangkok | 234 | 187 | 133 | 0 | 1 | 1 | 0 |
| Gaya to Bangkok | 69 | 70 | 46 | 24 | 9 | 17 | 17 |
| Bangkok to Gaya | 73 | 76 | 46 | 24 | 8 | 17 | 17 |
| Gaya to Dhaka | 14 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dhaka to Gaya | 14 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dhaka to Bangkok | 88 | 90 | 91 | 105 | 109 | 129 | 96 |
| Bangkok to Dhaka | 83 | 78 | 89 | 93 | 99 | 127 | 96 |
| Paro to Bagdora | … | … | 56 | 105 | 107 | 111 | 135 |
| Bagdora to Paro | … | … | 58 | 104 | 102 | 111 | 133 |
| Bagdora to Bangkok | … | … | 55 | 105 | 102 | 104 | 125 |
| Bangkok to Bagdora | … | … | 55 | 102 | 100 | 104 | 126 |
| Paro to Guwahati | … | … | … | 17 | 103 | 105 | 94 |

*(continued on next page)*

**Table 8.5: Number of Flights Made by Druk Air by International and Domestic by Area of Operation (2007-2013)** *(continued)*

| Area of Operation | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|---|
| Guwahati to Paro | … | … | … | 18 | 104 | 103 | 96 |
| Guwahati to Bangkok | … | … | … | 17 | 104 | 105 | 95 |
| Bangkok to Guwahati | … | … | … | 18 | 88 | 103 | 96 |
| Paro to Singapore | … | … | … | … | … | 35 | 107 |
| Singapore to Paro | … | … | … | … | … | 35 | 107 |
| Kolkata to Singapore | … | … | … | … | … | 35 | 107 |
| Singapore to Kolkata | … | … | … | … | … | 26 | 102 |
| Kolkata to Dhaka | … | … | … | … | … | 0 | 20 |
| Dhaka to Kolkata | … | … | … | … | … | 0 | 20 |
| Domestic | … | … | … | … | 8 | 148 | 284 |
| Paro to Bumthang | … | … | … | … | 3 | 56 | 118 |
| Bumthang to Paro | … | … | … | … | 3 | 56 | 118 |
| Paro to Gelephu | … | … | … | … | … | … | 1 |
| Gelephu to Paro | … | … | … | … | … | … | 1 |
| Paro to Younphula | … | … | … | … | 1 | 18 | 23 |
| Younphula to Paro | … | … | … | … | 1 | 18 | 23 |
| All sectors | 3,443 | 3,224 | 3,142 | 2,954 | 3,818 | 4,530 | 4,967 |

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

**Table 8.6: Number of Telephone Connection Capacity by Dzongkhag (2011-2013)**

| Dzongkhag | 2011 | 2012 | 2013 |
|---|---|---|---|
| Bumthang | 755 | 734 | 712 |
| Chhukha | 3,997 | 3,797 | 3,662 |
| Dagana | 185 | 208 | 208 |
| Gasa | 17 | 32 | 50 |
| Haa | 385 | 400 | 403 |
| Lhuentse | 103 | 111 | 108 |
| Monggar | 854 | 868 | 793 |
| Paro | 1,835 | 1,921 | 1,910 |
| Pema Gatshel | 298 | 290 | 265 |
| Punakha | 594 | 619 | 650 |
| Samdrup Jongkhar | 1,197 | 1,251 | 1,112 |
| Samtse | 822 | 815 | 764 |
| Sarpang | 1,198 | 1,311 | 1,294 |
| Thimphu | 11,121 | 10,637 | 10,745 |
| Trashigang | 918 | 1,020 | 824 |
| Trashi Yangtse | 156 | 147 | 140 |
| Trongsa | 778 | 674 | 644 |
| Tsirang | 672 | 367 | 347 |
| Wangdue Phodrang | 1,092 | 1,355 | 1,501 |
| Zhemgang | 513 | 448 | 353 |
| Bhutan | 27,490 | 27,005 | 26,485 |

Source: Bhutan Infocom Media Authority, Thimphu.

**Table 8.7: Number of Telephone Trunk Circuits, Bhutan 2013**

| Sector | Type of Connection | No. of Circuits |
|---|---|---|
| Thimphu Softswitch-Bangladesh (MIRT) | Bothway | 29 |
| Thimphu Softswitch-India (Airtel Chennai) | Bothway | 91 |
| Thimphu Softswitch-India (Airtel Delhi) | Bothway | 62 |
| Thimphu Softswitch-India (Airtel Mumbai) | Bothway | 60 |
| Thimphu Softswitch-India (BSNL Chennai) | Bothway | 61 |
| Thimphu Softswitch-India (BSNL Delhi) | Bothway | 61 |
| Thimphu Softswitch-India (BSNL Kolkata) | Bothway | 123 |
| Thimphu Softswitch-India (BSNL Delhi) | Bothway | 121 |
| Thimphu Softswitch-India (RELIANCE) | Bothway | 61 |
| Thimphu Softswitch-Japan(KDDi) | Bothway | 88 |
| Thimphu Softswitch-Kanglung (E10) | Bothway | 121 |
| Thimphu Softswitch-London (British Telecom) | Bothway | 19 |
| Thimphu Softswitch-Nepal (NTC) | Bothway | 37 |
| Thimphu Softswitch-Paro (NEC) | Bothway | 60 |
| Thimphu Softswitch-Paro Drukair (PRA) | Bothway | 30 |
| Thimphu Softswitch-Phuentsholing (NEC) | Bothway | 184 |
| Thimphu Softswitch-Samtse (NEC) | Bothway | 61 |
| Thimphu Softswitch-Singapore (SINGTEL) | Bothway | 26 |
| Thimphu Softswitch-Thailand (CAT Telecom) | Bothway | 30 |
| Thimphu Softswitch-Thimphu (cor VAN) | Bothway | 30 |
| Thimphu Softswitch-Thimphu Bmobile | Bothway | 678 |
| Thimphu Softswitch-Thimphu BOB (PRA) | Bothway | 30 |
| Thimphu Softswitch-Thimphu BPC (PRA) | Bothway | 30 |
| Thimphu Softswitch-Thimphu BT EPBAX (PRA) | Bothway | 30 |
| Thimphu Softswitch-Thimphu BTL (PRA) | Bothway | 30 |
| Thimphu Softswitch-Thimphu NRDCL (PRA) | Bothway | 30 |
| Thimphu Softswitch-Thimphu RBP (PRA) | Bothway | 30 |
| Thimphu Softswitch-Thimphu Tashicell | Bothway | 246 |
| Thimphu Softswitch-Thimphu Tashicell International | Bothway | 61 |

*(continued on next page)*

**Table 8.7: Number of Telephone Trunk Circuits, Bhutan 2013** *(continued)*

| Sector | Type of Connection | No. of Circuits |
|---|---|---|
| Thimphu Softswitch-USA (TELCO) | Bothway | 123 |
| Thimphu Softswitch-VoIP (KDDi, CAT Telecom) | Bothway | … |
| Thimphu Softswitch-Wangdue (E10) | Bothway | 91 |
| Trongsa - Gelephu | Bothway | 60 |
| Trongsa - Kanglung | Bothway | 60 |
| Trongsa - Trongsa (corVAN) | Bothway | 60 |
| Trongsa - Zhemgang (corDECT) | Bothway | 30 |
| Trongsa - Zhemgang (corVAN) | Bothway | 30 |
| Wangdue - Tsirang (corVAN) | Bothway | 61 |
| Wangdue - Wangdue (corVAN) | Bothway | 60 |
| Gelephu - Kanglung (E10) | Bothway | 60 |
| Kanglung - Kanglung (corVAN) | Bothway | 60 |
| Kanglung - Monggar (corVAN) | Bothway | 60 |
| Kanglung - S/Jongkhar (corVAN) | Bothway | 60 |
| Paro - Paro (corVAN) | Bothway | 60 |
| Phuentsholing - Paro | Bothway | 60 |
| Phuentsholing - Samtse | Bothway | 58 |
| Total trunk lines (National, International and DAMA) | | 3,392 |

Source: Bhutan Infocom Media Authority, Thimphu.

**Table 8.8: Number of Trunk Lines, Connection Capacities, Sets in Use & Mobile Subscribers (2007-2013)**

| Details | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|---|
| Trunk lines | 3,358 | 4,015 | 3,868 | 3,498 | 3,677 | 3,465 | 3,392 |
| Satellite Communications | 205 | 402 | 662 | 677 | 762 | 823 | 871 |
| International Lines | 205 | 402 | 662 | 677 | 762 | 823 | 871 |
| Digital Microwave | 480 | 480 | 480 | 2,250 | 2,250 | 2,250 | … |
| Digital Radio Concentrator System | 15 | 15 | … | … | … | … | … |
| DRMASS | 120 | 120 | 120 | 120 | 120 | … | … |
| VOIP | 30 | 3 | … | … | … | … | … |
| SDH | 11,340 | 11,340 | 11,340 | 120,960 | 120,960 | … | … |
| Connection capacity | 56,702 | 55,750 | 54,482 | 55,188 | 51,428 | 49,826 | 48,534 |
| Telephone sets in use | 30,279 | 27,937 | 26,384 | 26,361 | 27,488 | 27,005 | 26,485 |
| B-Mobile Subscribers | 1,48,179 | 1,78,346 | 2,62,052 | 3,05,215 | 3,83,089 | 4,21,715 | 406,353 |
| Internet (B-mobile) | … | … | … | … | … | 109,526 | 197,458 |
| 3 G | … | … | … | … | … | 18,686 | 112,119 |
| GPRS/EDGE | … | … | … | … | … | 90,840 | 85,339 |
| Internet (Druknet) | … | … | … | 8,841 | 13,311 | 16,893 | 20,630 |
| Broadband | … | … | … | 8,675 | 13,113 | 16,666 | 20,391 |
| Leased Line | … | … | … | 166 | 198 | 227 | 239 |

a. Digital Radio Concentrator System, DRMASS, VOIP and SDH systems has been removed therefore no figures on these.
b. The source also cannot provide data on Digital Microwave due to system migration(SAP) at BTL.
Source: Bhutan Infocom Media Authority, Thimphu.

**Table 8.9: Number of Telephone Trunk Calls and Revenue Earnings, Bhutan (2007-2013)**

| Type of Call | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|---|
| Domestic calls | 24,421,096 | 19,324,867 | 17,462,920 | 19,085,989 | 23,976,142 | 20,762,924 | 27,790,081 |
| International calls | 1,899,478 | 1,266,838 | 979,362 | 957,168 | 882,272 | 802,764 | 918,797 |
| India | 1,660,127 | 1,247,812 | 819,727 | 784,701 | 723,032 | 666,529 | 779,853 |
| Other | 239,351 | 19,026 | 159,635 | 172,467 | 159,240 | 136,235 | 138,944 |
| All calls | 26,320,574 | 20,591,705 | 18,442,282 | 20,043,157 | 24,858,414 | 21,565,688 | 28,708,878 |

Source: Bhutan Infocom Media Authority, Thimphu.

**Table 8.10: Number of B-Mobile Trunk Calls and Revenue Earnings, Bhutan 2012 & 2013**

| Type of Call | 2012 | 2013 |
|---|---|---|
| Total no. of subcribers | 421,715 | 406,353 |
| Domestic calls | … | … |
| International calls | … | … |
| India | … | … |
| Other | … | … |
| Mobile/GPRS subscribers | 90,840 | 85,339 |
| Mobile 3G | 18,686 | 112,119 |
| Revenue earnings (Nu.in Million) | 2,209 | 2,328 |

Source: Bhutan Infocom Media Authority, Thimphu.

**Table 8.11: Number of Tashicell Trunk Calls and Revenue Earnings, Bhutan (2009-2013)**

| Type of Call | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|
| Total no. of subcribers | 60,777 | 83,903 | 96,428 | 136,077 | 139,589 |
| Domestic calls | … | 26,725,740 | 383,117,819 | 55,516,712 | 65,016,115 |
| International calls | 2,221,560 | 3,580,560 | 5,051,474 | 7,096,986 | 8,186,128 |
| India | 1,999,440 | 3,222,360 | 4,546,327 | 6,742,137 | 7,776,822 |
| Others | 222,120 | 358,200 | 505,147 | 354,849 | 409,306 |
| Mobile/GPRS subscribers | 1,229 | 2,356 | 6,567 | 10,115 | 21,022 |
| Revenue earnings (Nu. In Million) | 189.05 | 280.98 | 400.01 | 422.24 | 482.70 |

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

**Table 8.12: Number of Postal Infractructures (2007-2013)**

| Postal Infrastructure | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|---|
| General Post Offices | 2 | 2 | 2 | 4 | 4 | 4 | 4 |
| Post Offices | 41 | 41 | 41 | 40 | 40 | 39 | 39 |
| Community Mail Offices | 47 | 47 | 32 | 30 | 30 | 41 | 41 |
| Fax Offices | 37 | 37 | 37 | 40 | 40 | 44 | 44 |
| Total | 127 | 127 | 112 | 114 | 114 | 128 | 128 |

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

**Table 8.13: Volume of Mail, by Type of Article (2007-2013)**

| Type of Service | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|---|
| Domestic Mail | | | | | | | |
| Ordinary Mail | 574,661 | 662,204 | 594,295 | 323,680 | 315,907 | 316,763 | 362,529 |
| Registered | 96,147 | 86,925 | 54,073 | 57,905 | 50,439 | 92,586 | 95,436 |
| Parcel | 2,614 | 1,428 | 1,742 | 1,108 | 1,615 | 1,869 | 1,668 |
| Facsimile message | 28,391 | 25,219 | 24,742 | 9,997 | 2,751 | 1,827 | 1,724 |
| Newspapers | 360,039 | 12,758 | 12,514 | 12,616 | 12,308 | 12,054 | 10,179 |
| Local Urgent Mail (LUM) | 88,816 | 123,093 | 138,775 | 132,241 | 159,674 | 197,445 | 176,278 |
| Express mail service (EMS) | 33,341 | 26,556 | 10,536 | 8,367 | 8,201 | 9,779 | 9,812 |
| International Mail Dispatch | | | | | | | |
| Ordinary Mail | 113,573 | 95,509 | 102,330 | 52,252 | 34,302 | 33,616 | 39,097 |
| Registered | 14,120 | 11,829 | 9,110 | 7,353 | 7,278 | 5,390 | 7,371 |
| Parcel | 227 | 294 | 333 | 325 | 191 | 238 | 69 |
| FedEx | n.a | 98 | 120 | 178 | 267 | 216 | 558 |
| Facsimile message | 916 | 644 | 600 | 433 | 343 | 209 | 164 |
| Post Overnight Courier (POC) | 5,318 | 3,449 | 4,525 | 2,677 | 3,156 | 5,736 | 2,816 |
| Express mail service (EMS) | 4,260 | 3,918 | 4,258 | 4,209 | 4,084 | 4,336 | 6,113 |
| International Mail Receipt | | | | | | | |
| Ordinary Mail | 609,700 | 604,469 | 411,909 | 185,428 | 228,708 | 224,133 | 283,732 |
| Registered | 20,246 | 11,694 | 9,377 | 9,700 | 8,651 | 8,408 | 6,773 |
| Parcel | 1,722 | 1,287 | 1,852 | 2,071 | 2,254 | 2,009 | 1,002 |
| FedEx | n.a | 162 | 1,030 | 1,588 | 1,306 | 2,316 | 1,635 |
| Facsimile message | 1,485 | 439 | 661 | 233 | 237 | 205 | 192 |
| Post Overnight Courier (POC) | 3,305 | 3,537 | 3,671 | 2,083 | 1,212 | 2,678 | 1,101 |
| Express mail service (EMS) | 6,271 | 5,426 | 6,364 | 7,360 | 7,520 | 7,356 | 5,033 |
| Revenue Earnings (Nu. in million) | … | 88.59 | 90.04 | 99.86 | 111.47 | 102.19 | 125.53 |
| Total mail items | 1,390,491 | 1,680,938 | 1,392,817 | 821,804 | 850,404 | 929,169 | 1,013,282 |

a. Data for facsimile message was collected from 2007 onwards only.
b. FedEx was started in late 2007 therfore the data for 2007 is clubbed with the year 2008.
Source:Bhutan Postal Corp. Ltd, Thimphu.

**Table 8.14: Financial Services, Number and Value of Money Order by Type, Bhutan (2007-2013)**

| Type | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|---|
| Total money orders | | | | | | | |
| Number of orders | 69,403 | 76,139 | 102,119 | 104,514 | 49,289 | 46,873 | 49,531 |
| Amount of orders ( Million Nu.) | 160.5 | 174.7 | 237.1 | 278.0 | 134.0 | 3.0 | 21.1 |
| Domestic money order | | | | | | | |
| Number of orders | 62,033 | 71,201 | 98,809 | 102,967 | 48,579 | 46,150 | 48,917 |
| Amount of orders ( Million Nu.) | 139.6 | 160.5 | 227.5 | 274.0 | 131.7 | 125.1 | 131.0 |
| International money order | | | | | | | |
| Dispatched | | | | | | | |
| Number of orders | 7,331 | 4,773 | 3,285 | 1,517 | 707 | 721 | 614 |
| Amount of orders ( Million Nu.) | 20.5 | 13.7 | 9.4 | 3.8 | 2.2 | 2.3 | 21.1 |
| Receipts | | | | | | | |
| Number of orders | 39 | 165 | 25 | 30 | 3 | 2 | … |
| Amount of orders ( Million Nu.) | 0.5 | 0.5 | 0.7 | 0.08 | 0.008 | 0.001 | … |
| Others | | | | | | | |
| Number of pensioners | 323 | 528 | 732 | 1,006 | 1,229 | 1,438 | 18,610 |
| Amount of pensioners | 7.6 | 13.1 | 18.6 | 26.8 | 32.9 | 38.8 | 47.1 |

Source:Bhutan Postal Corp. Ltd, Thimphu.

**Table 8.15: Volume of Mail, by Type of Article, Tamu worldwide Shipping Private Ltd. Thimphu (2009-2013)**

| Type of Service | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|
| Domestic Mail | | | | | |
| Documents | 20,000 | 25,000 | 29,000 | 31,536 | 67,000 |
| Non-Documents | 2,500 | 3,000 | 6,500 | 5,200 | 518,400 |
| Local | 1,900 | 2,500 | 3,900 | 4,120 | 65,000 |
| Inbound (India & International) | | | | | |
| Documents | 80 | 120 | 99 | 120 | 54,000 |
| Non-Documents | 50 | 70 | 60 | 50 | 35,000 |
| Outbound (India & International) | | | | | |
| Documents | 1,500 | 1,700 | 1,950 | 2,100 | 190,000 |
| Non-Documents | 500 | 750 | 800 | 900 | 25,000 |
| Newspapers (Numbers) | | | | | |
| Kuensel | 700,050 | 735,000 | 745,000 | 745,992 | 540,000 |
| Bhutan Today | 90,000 | 100,000 | 100,000 | 108,000 | 0 |
| Bhutan Times | 1,500 | 2,000 | 4,700 | 4,800 | 0 |
| Business Bhutan | 50,000 | 55,000 | 54,500 | 54,000 | 0 |
| The Bhutanese | 50,000 | 55,000 | 54,500 | 54,000 | 0 |
| Revenue Earnings (Nu. In million) | 8.00 | 10.00 | 13.00 | 14.00 | 15.00 |
| Total Mail Items | 918,030 | 980,140 | 1,001,009 | 1,010,818 | 1,494,400 |

Source: Tamu Worldwide Shipping Private Ltd. Thimphu Bhutan.

**Table 8.16: Volume of Mail, by Type of Article, DHL (2008-2013)**

| Type of Service | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|
| Inbound | | | | | | |
| Documents (DOX) | 1,812 | 2,121 | 3,117 | 4,490 | 5,173 | 6,214 |
| World wide Express (WPX) | 780 | 810 | 878 | 932 | 1,028 | 1,716 |
| Outbound | | | | | | |
| Documents (DOX) | 981 | 1,179 | 1,063 | 1,158 | 1,357 | 2,909 |
| World wide Express (WPX) | 280 | 352 | 421 | 671 | 823 | 539 |
| Revenue Earnings (Nu. In million) | 3.51 | 3.78 | 3.64 | 5.26 | 5.97 | 6.53 |
| Total mail items | 3,857 | 4,462 | 5,479 | 7,251 | 8,381 | 11,378 |

Source: DHL Courier Service, Thimphu.

# ENERGY

Electricity is the main energy source of lighting in 88 percent of households in Bhutan as per the Bhutan Living Standard Survey (BLSS) 2012. It is also the most widely used sources of energy for cooking amounting to 84 percent of the households. Electricity generation, though still relatively small in comparison with the rest of the world is growing in importance. Up until recently, electricity generation was based on small diesel generating and micro hydro stations, providing limited supply of electricity, which was supplemented by imports from India. The economy of the country is largely dependent on the development of Hydropower generations. Hydropower plants contribute significantly to the overall GDP growth and economy, both during constructions and operation phases. With the commissioning of the first two units of Chhukha Hydro Projects in 1986 and the other two units in 1998, Bhutan substantially increased its electricity generation and became a significant exporter of electricity to India. The revenue earned from the export of electricity is a significant contributor to the overall revenues of the kingdom.

The Chhukha Hydro power with the installed capacity of 336 MW, the Kurichu Hydro power with 60 MW and Basochu Hydro Power with 64 MW generated 1,907.44 MU, 378.60 MU and 330.39 MU respectively in 2013. With the commissioning of mega Tala Hydro Power Project with the installed capacity of 1,020 MW, there is a substantial increase in the energy generation of the country. During the year 2013 it has generated 4,914.59 Million Unit of electricity. In 2013, the total electricity generation was 7550.04 Million Unit (MU).Domestic consumption of electricity has been marginal but should increase with the ongoing emphasis on Rural Electrification Programs. Other forms of energy such as the solar, wind and biomass energy are being explored.

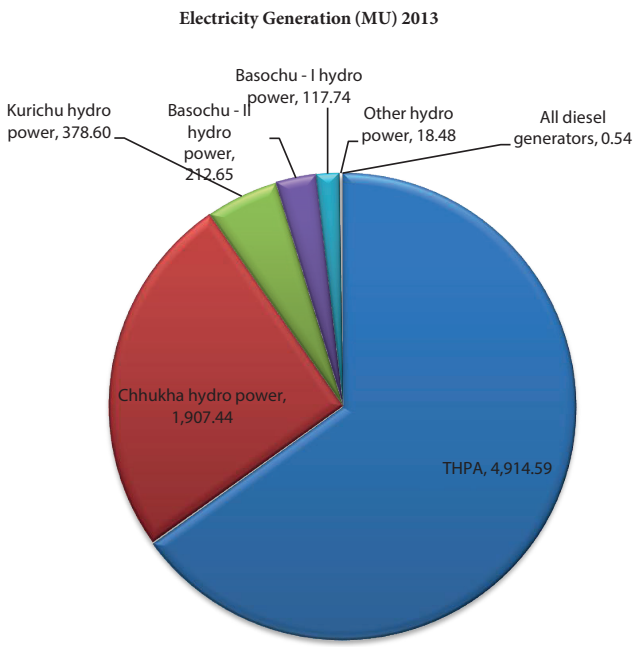


**Table 9.1: Hydro Generating Stations and Their Capacities, Bhutan (2011-2013)**

| Generating Stations | 2011 | | | | | 2012 | | | | | 2013 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Installed Capacity (No. x MW) | Generating Capacity (MW) | Peak Generation (MW) | Energy Generation (GWh) | Year of Commissioning | Installed Capacity (No. x MW) | Generating Capacity (MW) | Peak Generation (MW) | Energy Generation (GWh) | Year of Commissioning | Installed Capacity (No. x MW) | Generating Capacity (MW) | Peak Generation (MW) | Energy Generation (GWh) | Year of Commissioning |
| Large Hydroelectric plants | | | | | | | | | | | | | | | |
| Chhukha | 4 x 84 | 360 | 360 | 1774.13 | 1986-88 | 4 x 84 | 360 | 360 | 1742.10 | 1986-88 | 4 x 84 | 360 | 360.00 | 1907.44 | 1986-88 |
| Kurichu (Mongar) | 4 x 15 | 60 | 64 | 361.80 | 2001 | 4 x 15 | 60 | 64 | 360.93 | 2001 | 4 x 15 | 60 | 64.24 | 378.60 | 2001 |
| Basochu..I (W/phodrang) | 2 x 12 | 24 | 24 | 114.17 | 2002 | 2 x 12 | 24 | 24 | 105.82 | 2002 | 2 x 12 | 24 | 24.00 | 117.74 | 2002 |
| Basochu..II (W/phodrang) | 2 x 20 | 40 | 40 | 208.12 | 2004 | 2 x 20 | 40 | 40 | 194.00 | 2004 | 2 x 20 | 40 | 40.00 | 212.65 | 2004 |
| Tala (Chukha) | 6 x 170 | 1020 | 1122 | 4587.99 | 2006-07 | 6 x 170 | 1020 | 1122 | 4405.48 | 2006-07 | 6 x 170 | 1020 | 1122.00 | 4914.59 | 2006-07 |
| Total | 1,480 | 1504 | | 7046.21 | | 1,480 | 1504 | | 6808.33 | | 1,480 | 1504 | | 7531.02 | |
| Mini and Micro Hydels | (No. x KW) | (KW) | (MW) | (GWh) | | (No. x KW) | (KW) | (MW) | (GWh) | | (No. x KW) | (KW) | (MW) | (GWh) | |
| Jushina (Thimphu) | 4 x 90 | 270 | 0.26 | 1.47 | 1967 | 4 x 90 | 270 | 0.26 | 1.33 | 1967 | 4 x 90 | 270 | 0.26 | 1.21 | 1967 |
| Hesothangkha (Wangdue) | 3 x 100 | 200 | 0.09 | 0.48 | 1972 | 3 x 100 | 200 | 0.09 | 0.38 | 1972 | 3 x 100 | 200 | 0.09 | 0.42 | 1972 |
| Chenari (Tashigang) | 3 x 250 | 0 | 0.00 | 0.00 | 1972 | 3 x 250 | 0 | 0.00 | 0.00 | 1972 | 3 x 250 | 0 | 0.00 | 0.00 | 1972 |
| Gidakom (Thimphu) | 5 x 250 | 816 | 0.97 | 6.22 | 1973 | 5 x 250 | 816 | 0.97 | 5.34 | 1973 | 5 x 250 | 816 | 0.97 | 4.53 | 1973 |

*(continued on next page)*

**Table 9.1: Hydro Generating Stations and Their Capacities, Bhutan (2011-2013)** *(continued)*

| Generating Stations | 2011 | | | | | 2012 | | | | | 2013 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Installed Capacity (No. x MW) | Generating Capacity ( MW ) | Peak Generation (MW) | Energy Generation (GWh) | Year of Commissioning | Installed Capacity (No. x MW) | Generating Capacity ( MW ) | Peak Generation (MW) | Energy Generation (GWh) | Year of Commissioning | Installed Capacity (No. x MW) | Generating Capacity ( MW ) | Peak Generation (MW) | Energy Generation (GWh) | Year of Commissioning |
| Khalanzi (Mongar) | 3 x 130 | 260 | 0.17 | 0.04 | 1976 | 3 x 130 | 0 | 0.00 | 0.00 | 1976 | 3 x 130 | 0 | 0.00 | 0.00 | 1976 |
| Chumey (Bumthang) | 3 x 500 | 1000 | 0.89 | 2.68 | 1988 | 3 x 500 | 1000 | 0.89 | 3.14 | 1988 | 3 x 500 | 1000 | 0.89 | 2.25 | 1988 |
| Gangzur (Lhuentse) | 2 x 60 | 120 | 0.05 | 0.11 | 2000 | 2 x 60 | 120 | 0.05 | 0.05 | 2000 | 2 x 60 | 120 | 0.05 | 0.02 | 2000 |
| Rukubji (Wangdue) | 1 x 40 | 40 | 0.01 | 0.07 | 1986-87 | 1 x 40 | 40 | 0.01 | 0.08 | 1986-87 | 1 x 40 | 40 | 0.01 | 0.08 | 1986-87 |
| Tangsibji (Trongsa) | 1 x 30 | 30 | 0.02 | 0.05 | 1986-87 | 1 x 30 | 30 | 0.02 | 0.02 | 1986-87 | 1 x 30 | 30 | 0.02 | 0.05 | 1986-87 |
| Sherabling (Trongsa) | 1 x 50 | 50 | 0.03 | 0.05 | 1986-87 | 1 x 50 | 50 | 0.03 | 0.04 | 1986-87 | 1 x 50 | 50 | 0.00 | 0.00 | 1986-87 |
| Bubja (Trongsa) | 1 x 30 | 30 | 0.02 | 0.06 | 1986-87 | 1 x 30 | 30 | 0.02 | 0.01 | 1986-87 | 1 x 30 | 30 | 0.00 | 0.00 | 1986-87 |
| Tamzhing (Bumthang) | 1 x 30 | 30 | 0.00 | 0.00 | 1986-87 | 1 x 30 | 0 | 0.00 | 0.00 | 1986-87 | 1 x 30 | 0 | … | 0.00 | 1986-87 |
| Ura (Bumthang) | 1 x 50 | 50 | 0.00 | 0.00 | 1986-87 | 1 x 50 | 50 | 0.00 | 0.05 | 1986-87 | 1 x 50 | 50 | … | 0.07 | 1986-87 |
| Surey (Sarpang) | Dismantled | 0 | 0.00 | 0.00 | 1986-87 | Dismantled | 0.00 | 0.00 | 0.00 | 1986-87 | Dismantled | 0 | … | … | 1986-87 |
| Changchey (Tsirang) | 2 x 100 | 200 | 0.04 | 0.27 | 1991 | 2 x 100 | 200 | 0.04 | 0.11 | 1991 | 2 x 100 | 200 | 0.04 | 0.10 | 1991 |
| Tingtibi (Zhemgang) | 2 x 100 | 200 | 0.02 | 0.26 | 1992 | 2 x 100 | 200 | 0.02 | 0.03 | 1992 | 2 x 100 | 200 | 0.02 | 0.15 | 1992 |

*(continued on next page)*

**Table 9.1: Hydro Generating Stations and Their Capacities, Bhutan (2011-2013)** *(continued)*

| Generating Stations | 2011 | | | | | 2012 | | | | | 2013 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Installed Capacity | Generating Capacity | Peak Generation | Energy Generation | Year of Commissioning | Installed Capacity | Generating Capacity | Peak Generation | Energy Generation | Year of Commissioning | Installed Capacity | Generating Capacity | Peak Generation | Energy Generation | Year of Commissioning |
| | (No. x MW) | ( MW ) | (MW) | (GWh) | | (No. x MW) | ( MW ) | (MW) | (GWh) | | (No. x MW) | ( MW ) | (MW) | (GWh) | |
| Darachhu ( Dagana) | 2 x 100 | 0 | 0.00 | 0.00 | 1992 | 2 x 100 | 0 | 0.00 | 0.00 | 1992 | 2 x 100 | 200 | … | 0.04 | 1992 |
| Lingzhi (Thimphu) | 1 x 8 | 8 | 0.00 | 0.00 | 1999 | 1 x 8 | 8 | 0.00 | 0.00 | 1999 | 1 x 8 | 8 | … | … | 1999 |
| Rangjung (Tashigang) | 2 x 1100 | 2200 | 1.74 | 7.76 | 1996 | 2 x 1100 | 2200 | 1.74 | 3.85 | 1996 | 2 x 1100 | 2200 | 1.74 | 9.11 | 1996 |
| Rongchu (Lhuentse) | 2 x 100 | 200 | 0.15 | 0.43 | 2001 | 2 x 100 | 200 | 0.15 | 0.53 | 2001 | 2 x 100 | 200 | 0.15 | 0.34 | 2001 |
| Chendebji (Trongsa) | 1 x 70 | 70 | 0.00 | 0.04 | 2005 | 1 x 70 | 70 | 0.00 | 0.04 | 2005 | 1 x 70 | 70 | … | 0.11 | 2005 |
| Sengor (Mongar) | 1 x 100 | 100 | 0.00 | 0.03 | 2007 | 1 x 100 | 100 | 0.00 | 0.03 | 2007 | 1 x 100 | 100 | … | … | 2007 |
| Total | 8,098 | 5894 | | 20.01 | | 8,098 | 5584 | | 15.03 | | 8,098 | 5784 | | 18.48 | |

a. Since the Bhutan Power Corporation(BPC) has started compiling the Power Data Book on Power Sector for every calender year from 2010 onwards, the Department of Hydropower & Power Systems has also stopped the compilation of the Power Databook for the fiscal years from 2010-11 onwards, therefore the power data here also reflects the calender year starting from the year 2011.

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

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

**Table 9.2: Details of Diesel Generator Sets, Bhutan 2013**

| Generating stations/ Locations | 2013 | | | | |
|---|---|---|---|---|---|
| | No of Machines | No. & Capacity of Machines (No.X MW) | Total Capacity (MW) | Energy Generated (KWh) | Year of Commissioning |
| | | (No.X MW) | ( MW ) | (MU) | |
| Thimphu | 7 | 1X625 | 4204.0 | … | 1978 |
| | | 2X318 | | … | 1980 |
| | | 1X1188 | | 3305.0 | 1982 |
| | | 1X1250 | | 3000.0 | 1984/85 |
| | | 1X380 | | 2173.0 | … |
| | | 1X125 | | … | 1999-00 |
| Paro | 1 | 1X110 | 110.0 | … | 1977 |
| Chhukha | 2 | 1X380 | 505.0 | 33,420.0 | 1966 |
| | | 1X125 | | … | 1979 |
| Tsirang | 3 | 1X380 | 600.0 | … | 1969 |
| | | 1X60 | | … | 1991 |
| | | 1X160 | | … | 1999-00 |
| Trongsa | 1 | 1X380 | 380.0 | … | 1976 |
| Sarpang | 4 | 1X350 | 1246.0 | … | 1991 |
| | | 1X318 | | … | 1991 |
| | | 1X515 | | … | 1991 |
| Monggar | 1 | 1X380 | 380.0 | 2,117.0 | 1999-00 |
| | | 1X63 | | … | 1983 |
| Zhemgang | 2 | 1X380 | 430.0 | … | 1999-00 |
| | | 1X50 | | … | 1983 |
| Dagana | 1 | 1X380 | 380.0 | 4,600.0 | 1991 |
| Trashigang | 2 | 1X100 | 127.0 | … | 1998/99 |
| | | 1X27 | | … | 1999-00 |
| Samdrup Jongkhar | 2 | 1X380 | 410.0 | 1,088.0 | 1999-00 |
| | | 1X30 | | … | 1991 |
| Bumthang | 3 | 1X380 | 1140.0 | 0.0 | 1998 |

*(continued on next page)*

**Table 9.2: Details of Diesel Generator Sets, Bhutan 2013** *(continued)*

| Generating stations/ Locations | 2013 | | | | |
|---|---|---|---|---|---|
| | No of Machines | No. & Capacity of Machines (No.X MW) | Total Capacity (MW) | Energy Generated (KWh) | Year of Commissioning |
| | | (No.X MW) | ( MW ) | (MU) | |
| | | 1X380 | | … | 1999-00 |
| | | 1X380 | | … | 1999-00 |
| Trashi Yangtse | 1 | 1X380 | 380.0 | 3,952.0 | 1999-00 |
| Pema Gatshel | 1 | 1X380 | 380.0 | … | 1999-00 |
| Samtse | 1 | 1X60 | 60.0 | … | 2000-01 |
| Total | | | 10,732.0 | 53,655.0 | |
| Other Diesel sets | | | | | |
| Penden Cement Authority Ltd. | 2 | 2X1000 | 2,000.0 | … | 1981/84 |
| Bhutan Board Products Ltd. | 2 | 1X160 | 160.0 | … | … |
| | | 1X349 | 349.0 | | |
| Chukha Hydro Power Plant | 4 | 2X450 | 900.0 | … | … |
| | | 2X280 | 560.0 | | |
| Bhutan Ferro Alloys Ltd. | 2 | 2X380 | 760.0 | … | 1995 |
| Bhutan Carbide & Chemical Ltd. | 3 | 3X125 | 375.0 | … | 1987 |
| Basochu Hydro Power Plant | 1 | 1X130 | 130.0 | … | 2000 |
| Kurichu Hydro Power Plant | 3 | 2X320 | 640.0 | … | 1998/00 |
| | | 1X500 | 500.0 | | 2007 |
| Tala Hydro Power Plant | 1 | 1X2500 | 2,500.0 | … | 2006/07 |
| S.D.Eastern Bhutan Ferro Silicon Pvt.Ltd. | 2 | 2X125 | 250.0 | … | 2007/08 |
| Total | | | 9,124.0 | … | |

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

**Table 9.3: Major Transmission Lines, 2013**

| Stations | 220 KV | 220 KV | 132 KV | 66 KV | 66 KV | 66 KV | UG | Re-marks |
|---|---|---|---|---|---|---|---|---|
| | Line S/C | Line D/C | Line S/C | Line S/C | Line D/C | Line Q/C | | |
| Tala- Khogla | … | … | … | … | … | … | … | |
| Tala- Malbasse - Pugli | … | … | ... | … | … | … | … | |
| CHP- Gedu- Indian border | … | 35.780 | ... | … | … | … | … | |
| CHP- Gedu- Malbasse | 29.841 | … | ... | … | … | … | … | |
| Malbase- Indian border | 4.075 | … | ... | … | … | … | … | |
| CHP- Semtokha (II) | 54.010 | … | ... | … | … | … | … | |
| Simtokha- Rurichu | 44.900 | … | ... | … | … | … | … | Charged at 66 kV |
| Rurichu - Tsirang | 46.600 | … | ... | … | … | … | … | Charged at 66 kV |
| Malbase- Singhigaon Fdr-I | 1.706 | … | ... | … | … | … | … | |
| Malbase- Singhigaon Fdr-II | 2.607 | … | ... | … | … | … | … | |
| Gyelposhing - Kilikhar | … | … | 10.060 | … | … | … | … | |
| Kilikhar - Kanglung | … | … | 29.705 | … | … | … | … | Realigned at Kilikhar |
| Kilikhar - Tangmachu | … | … | 42.800 | … | … | … | … | Charged at 33 kV |
| Gyleposhing - Nangkor | … | … | 31.080 | … | … | … | … | |
| Nangkor - Deothang | … | … | 23.300 | … | … | … | … | |
| Nangkhor - Nganglam | … | … | 33.793 | … | … | … | … | |
| Nganglam - Tintibi | … | … | 83.330 | … | … | … | … | |
| Tintibi - Gelephu | … | … | 45.740 | … | … | … | … | |
| Gelephu - Indian border | … | … | 0.100 | … | … | … | … | |
| Deothang - Motanga | … | … | 10.500 | … | … | … | … | |
| Montanga - Indian border | … | … | 1.500 | … | … | … | … | |
| Tintibi - Yurmoo | … | … | 32.628 | … | … | … | … | Charged at 33 kV |
| CHPC - Gedu | … | … | … | 20.400 | … | … | … | |
| Gedu - Phuntsholing | … | … | … | 16.700 | … | … | … | |
| Phuntsholing - Malbasse | … | … | … | 8.986 | … | … | … | |
| Phuntsholing - Gomtu | … | … | … | 26.900 | … | … | … | |

*(continued on next page)*

**Table 9.3: Major Transmission Lines, 2013** *(continued)*

| Stations | 220 KV | 220 KV | 132 KV | 66 KV | 66 KV | 66 KV | UG | Re-marks |
|---|---|---|---|---|---|---|---|---|
| | Line S/C | Line D/C | Line S/C | Line S/C | Line D/C | Line Q/C | | |
| CHPC - Chumdo | … | … | … | 36.980 | … | … | … | |
| Chumdo - Khasadrapchu | … | … | … | 4.780 | … | … | … | |
| Khasadrapchu - Olakha | | | | 11.740 | | | 1.000 | UG Cable at IT Park 2013 |
| Chumdo - Haa | … | … | … | 33.400 | … | … | … | |
| Chumdo - Paro | … | … | … | 24.010 | … | … | … | |
| Semtokha - Lobeysa | … | … | … | 24.430 | … | … | … | Realigned at Dochula |
| Semtokha - Olakha | … | … | … | 1.700 | … | … | … | |
| Hebesa - Rurichu | … | … | … | 3.080 | … | … | … | |
| Semtokha - Dechenchholing | … | … | … | 11.450 | … | … | … | |
| Khasadrapchu - Jemina | … | … | … | … | 5.960 | … | … | |
| Lobeysa - Rurichhu | … | … | … | 20.300 | … | … | … | |
| Tie - Line - Watsa | … | … | … | 0.500 | … | … | … | |
| Yurmoo - Trongsa | … | … | … | 20.940 | … | … | … | Charged at 33 kV |
| Yurmoo - Bumthang | … | … | … | 34.856 | … | … | … | Charged at 33 kV |
| Malbase Multi Circuit | … | … | … | … | … | 3.405 | … | |
| Tsirang - Jigmeling | … | 30.565 | … | … | … | … | … | |
| Tsirang - Dagachu Port head yard | … | 20.202 | … | … | … | … | … | |
| Jigmeling - Pelrithang (Lodrai) | … | 10.420 | … | … | … | … | … | Charged at 132 kV |
| Tshendengang - Dagapela (LILO) | … | 4.457 | … | … | … | … | … | |
| Pasakha Industrial Area | | | | | | | 5.018 | UG Cable at Pasakha IA |
| Total | 183.739 | 101.424 | 344.536 | 301.152 | 5.960 | 3.405 | 6.018 | 1015.280 |

D/C stands for double circuit and S/C for single circuit.
Source:Department of Hydropower & Power Systems, MoEA, Thimphu.

## Table 9.4: Monthly Revenue From Sale of Energy from Chhukha Power Plant (2009-2013)

(Nu. in Million)

| Month | 2009 | | | 2010 | | | 2011 | | | 2012 | | | 2013 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Export | Internal | Total | Export | Internal | Total | Export | Internal | Total | Export | Internal | Total | Export | Internal | Total |
| January | 112.47 | 7.17 | 119.64 | 103.53 | 9.34 | 112.87 | 90.69 | 4.66 | 95.35 | 91.95 | 5.29 | 97.24 | 33.91 | 5.72 | 39.64 |
| February | 79.89 | 6.05 | 85.94 | 68.00 | 8.37 | 76.37 | 78.24 | 3.92 | 82.16 | 73.28 | 4.65 | 77.93 | 43.12 | 4.91 | 48.03 |
| March | 83.01 | 7.02 | 90.04 | 94.87 | 8.40 | 103.27 | 76.90 | 4.09 | 80.99 | 89.82 | 4.80 | 94.62 | 75.69 | 4.50 | 80.19 |
| April | 151.47 | 6.31 | 157.77 | 152.02 | 7.05 | 159.07 | 109.97 | 3.12 | 113.08 | 173.57 | 4.13 | 177.71 | 154.44 | 4.33 | 158.77 |
| May | 224.78 | 5.80 | 230.58 | 227.78 | 7.07 | 234.85 | 223.82 | 3.41 | 227.23 | 188.64 | 3.61 | 192.26 | 294.40 | 4.35 | 298.75 |
| June | 392.15 | 5.72 | 397.87 | 399.16 | 6.93 | 406.09 | 394.62 | 3.31 | 397.93 | 323.13 | 3.76 | 326.89 | 503.40 | 4.13 | 507.52 |
| July | 575.94 | 6.31 | 582.25 | 584.95 | 7.74 | 592.70 | 585.17 | 3.66 | 588.84 | 553.33 | 4.04 | 557.37 | 522.35 | 4.17 | 526.53 |
| August | 576.81 | 6.57 | 583.38 | 579.56 | 3.45 | 583.01 | 566.49 | 3.79 | 570.28 | 572.00 | 4.09 | 576.09 | 576.10 | 3.31 | 579.42 |
| September | 546.64 | 6.82 | 553.45 | 556.59 | 3.43 | 560.02 | 480.72 | 3.68 | 484.41 | 551.90 | 4.14 | 556.04 | 533.68 | 3.21 | 536.89 |
| October | 504.96 | 6.96 | 511.92 | 515.30 | 3.73 | 519.03 | 435.68 | 4.07 | 439.75 | 367.13 | 4.78 | 371.92 | 484.96 | 0.00 | 484.96 |
| November | 261.07 | 8.06 | 269.13 | 261.79 | 3.99 | 265.78 | 231.98 | 4.72 | 236.70 | 152.01 | 5.27 | 157.28 | 241.97 | 23.21 | 265.18 |
| December | 157.43 | 9.19 | 166.63 | 143.80 | 4.57 | 148.38 | 144.93 | 5.05 | 149.98 | 78.50 | 5.71 | 84.20 | 133.90 | 38.91 | 172.81 |
| Total | 3666.62 | 81.98 | 3748.60 | 3687.36 | 74.07 | 3761.42 | 3,419.21 | 47.49 | 3466.70 | 3,215.28 | 54.27 | 3269.55 | 3,597.91 | 100.76 | 3698.67 |

Interal refers to the sale of energy by BPC only.

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

## Table 9.5: Monthly Revenue From Sale of Energy From Tala Power Plant (2009-2013)

(Nu. in Million)

| Month | 2009 | | | 2010 | | | 2011 | | | 2012 | | | 2013 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Export | Internal | Total | Export | Internal | Total | Export | Internal | Total | Export | Internal | Total | Export | Internal | Total |
| January | 338.50 | 19.12 | 357.62 | 73.69 | 27.86 | 101.55 | 83.20 | 12.86 | 96.07 | 79.46 | 13.74 | 93.20 | 35.63 | 14.04 | 49.67 |
| February | 340.69 | 38.86 | 379.54 | 22.07 | 26.89 | 48.96 | 44.57 | 11.87 | 56.45 | 41.13 | 12.93 | 54.06 | 22.06 | 12.81 | 34.87 |
| March | 72.10 | 18.58 | 90.68 | 52.76 | 29.34 | 82.1 | 42.24 | 12.25 | 54.49 | 62.18 | 13.71 | 75.88 | 38.34 | 14.78 | 53.12 |
| April | 67.16 | 23.93 | 91.1 | 146.28 | 27.50 | 173.79 | 89.29 | 11.16 | 100.46 | 236.86 | 11.87 | 248.72 | 209.44 | 13.45 | 222.89 |
| May | 173.55 | 0.00 | 173.55 | 277.88 | 28.31 | 306.20 | 301.09 | 11.08 | 312.18 | 248.77 | 12.66 | 261.43 | 505.25 | 14.00 | 519.25 |
| June | 0.00 | 24.39 | 24.39 | 672.27 | 27.57 | 699.83 | 720.65 | 10.72 | 731.36 | 603.94 | 11.82 | 615.76 | 1,076.00 | 13.24 | 1089.24 |
| July | 360.40 | 22.83 | 383.22 | 1,292.99 | 28.03 | 1321.03 | 1,297.12 | 11.06 | 1308.18 | 1,368.53 | 12.08 | 1380.60 | 1,420.89 | 13.59 | 1434.49 |
| August | 1,584.20 | 47.97 | 1632.17 | 1,272.74 | 12.07 | 1284.81 | 1,286.58 | 12.71 | 1299.29 | 1,434.27 | 12.24 | 1446.51 | 1,409.97 | 13.60 | 1423.57 |
| September | 1,282.61 | 49.70 | 1332.31 | 1,238.96 | 11.81 | 1250.77 | 1,140.23 | 12.36 | 1152.59 | 1,241.37 | 12.83 | 1254.20 | 1,015.07 | 13.38 | 1028.45 |
| October | 1,942.73 | 25.64 | 1968.37 | 820.22 | 11.18 | 831.39 | 687.04 | 12.67 | 699.70 | 590.78 | 14.22 | 605.00 | 879.15 | 22.11 | 901.26 |
| November | 329.24 | 25.83 | 355.07 | 362.88 | 11.13 | 374.01 | 289.30 | 13.28 | 302.58 | 219.85 | 13.52 | 233.37 | 350.73 | 85.87 | 436.61 |
| December | 156.77 | 28.22 | 184.99 | 163.97 | 12.99 | 176.96 | 154.60 | 13.16 | 167.76 | 97.81 | 14.27 | 112.08 | 149.58 | 116.47 | 266.05 |
| Total | 6,647.95 | 325.07 | 6973.01 | 6396.71 | 254.68 | 6651.40 | 6135.92 | 145.19 | 6281.11 | 6224.95 | 155.87 | 6380.82 | 7112.11 | 347.34 | 7459.45 |

Interal refers to the sale of energy by BPC only.
Source:Department of Hydropower & Power Systems, MoEA, Thimphu.

**Table 9.6: Monthly Revenue From Sale of Energy From Kurichu Power Plant (2009-2013)**

(Nu. in Million)

| Month | 2009 | | | 2010 | | | 2011 | | | 2012 | | | 2013 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Export | Internal | Total | Export | Internal | Total | Export | Internal | Total | Export | Internal | Total | Export | Internal | Total |
| January | 2.79 | 15.04 | 17.83 | 0.73 | 14.64 | 15.37 | (4.67) | 19.91 | 15.24 | 0.00 | 17.42 | 17.42 | 0.00 | 25.06 | 25.06 |
| February | 4.92 | 10.37 | 15.29 | 4.18 | 8.95 | 13.13 | (2.64) | 15.11 | 12.47 | 0.00 | 15.44 | 15.44 | 0.00 | 17.99 | 17.99 |
| March | 5.14 | 14.51 | 19.64 | 13.50 | 10.54 | 24.04 | (2.83) | 18.46 | 15.63 | 0.00 | 18.88 | 18.88 | 0.00 | 24.83 | 24.83 |
| April | 23.63 | 14.53 | 38.16 | 14.14 | 15.64 | 29.78 | 8.35 | 15.75 | 24.10 | 15.46 | 16.71 | 32.18 | 3.89 | 20.11 | 24.00 |
| May | 28.27 | 14.62 | 42.89 | 29.93 | 16.02 | 45.95 | 32.04 | 15.48 | 47.52 | 32.91 | 17.22 | 50.13 | 44.00 | 14.39 | 58.39 |
| June | 41.68 | 14.22 | 55.89 | 41.86 | 16.89 | 58.75 | 47.51 | 14.12 | 61.63 | 49.82 | 16.07 | 65.89 | 51.21 | 15.16 | 66.37 |
| July | 50.90 | 14.49 | 65.39 | 48.07 | 17.17 | 65.24 | 42.66 | 13.77 | 56.43 | 51.60 | 15.96 | 67.56 | 60.37 | 12.83 | 73.20 |
| August | 52.61 | 14.65 | 67.26 | 51.15 | 13.86 | 65.02 | 47.03 | 15.33 | 62.36 | 51.56 | 16.80 | 68.36 | 56.49 | 15.46 | 71.94 |
| September | 52.03 | 14.40 | 66.42 | 46.82 | 13.23 | 60.04 | 47.47 | 15.57 | 63.04 | 37.38 | 14.64 | 52.02 | 55.27 | 16.04 | 71.31 |
| October | 41.19 | 15.04 | 56.23 | 49.32 | 14.40 | 63.73 | 37.44 | 15.79 | 53.23 | 39.89 | 16.34 | 56.24 | 44.96 | 19.49 | 64.46 |
| November | 15.34 | 15.44 | 30.77 | 23.27 | 15.28 | 38.55 | 15.50 | 15.95 | 31.45 | 6.56 | 18.49 | 25.05 | 13.59 | 21.62 | 35.21 |
| December | 7.72 | 14.55 | 22.27 | 4.44 | 17.29 | 21.73 | 0.11 | 19.41 | 19.52 | 0.00 | 22.87 | 22.87 | 0.00 | 27.94 | 27.94 |
| Total | 326.22 | 171.86 | 498.04 | 327.41 | 173.91 | 501.33 | 267.97 | 194.64 | 462.62 | 285.17 | 206.85 | 492.02 | 329.77 | 230.90 | 560.68 |

Interal refers to the sale of energy by BPC only.

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

**Table 9.7: Details of Domestic Electrical Energy Consumption (2007/08-2013)**

| Details | 2007/08 | 2008/09 | 2009/10 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|
| Towns electrified (numbers) | 71 | 71 | 71 | 51 | 48 | 51 |
| Villages electrified (numbers) | 1,934 | 1,981 | 1,998 | 3,300 | 2,601 | 3,240 |
| Total Consumers (numbers) | 81,200 | 89,100 | 95,500 | 116,400 | 131,700 | 146,500 |
| Sales of energy (Nu.in million) | 989.8 | 1202.7 | 1498.0 | 2830.0 | 3096.9 | 3346.6 |
| Per capita energy consumption (Units) | 1773.0 | 2038.8 | 2392.9 | 2419.9 | 2572.2 | 2625.0 |

Per capita energy consumption for 2013 is based on population of 733,004.
Source: BPC, Thimphu.

# TOURISM

The tourism industry in Bhutan began in 1974. The government agency, erstwhile Bhutan Tourism Corporation, controlled tourism until its privatization in 1991. The potential as far as foreign exchange earnings are concerned is very high. The revenue generation from the tourism sector has increased from over USD 2 million in the late 1980's to over USD 38 million in 2008. The gross earnings from international leisure tourism alone reached USD 63.89 million in 2013 an increase of 0.69 percent comparing to 2012.

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

The total visitor arrivals (international, regional, business, official and FAM visitors) to Bhutan peaked at 116,209 in 2013 which shows a growth rate of +10.25 percent comparing to previous year. The international to regional visitor ratio was at 45:55, with growth rates more significant for the regional segment.

India continues to be the biggest source market for Bhutan. From the International segment, USA surpassed arrivals from Japan to restore its dominance as the biggest source market, with an increase of +15.32 percent over the previous year. This was due to a substantial slump in Japanese arrivals plummeting by -42.37 percent on 2013, thereby allowing China to become the second-biggest market, which recorded at +26.50 percent increase in 2013. There was also significant increase in visitors from other countries.

There is unequal distribution of tourist arrival in Bhutan in terms of time of their visit. Majority of tourist arrivals are in the month of September, October, November, March and April. Paro with 33.70 percent and Thimphu with 24.31 percent recorded maximum bed nights by Dzongkhag. "Culture and Nature" has always been the Unique Selling Proposition (USP) for the tourism industry of Bhutan.

**Tourist Arrivals by Region, 2008 & 2013**

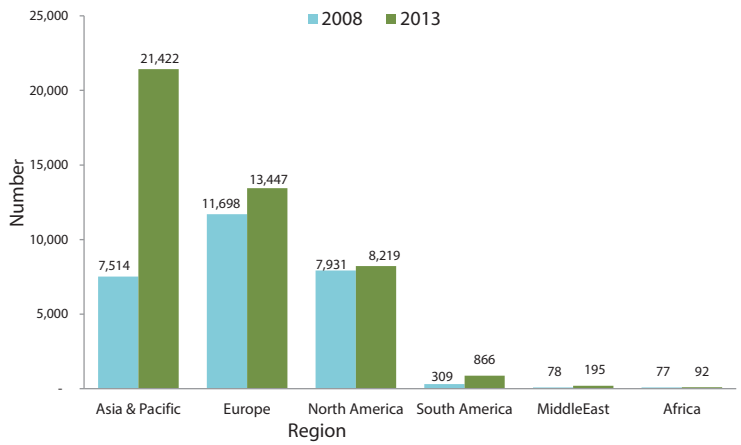


**Table 10.1: Annual International Tourist Arrivals by Country and Region, Bhutan (2007-2013)**

(Numbers)

| Country | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|---|
| Africa | 66 | 77 | 70 | 101 | 92 | 93 | 92 |
| Algeria | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Benin | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| Chad | 0 | 0 | 0 | 1 | 3 | 2 | 0 |
| Egypt | 1 | 0 | 18 | 10 | 0 | 0 | 0 |
| Ethiopia | 0 | | 0 | 0 | 0 | 0 | 1 |
| Ghana | 0 | | 0 | 0 | 0 | 0 | 1 |
| Ivory Coast | 0 | | 0 | 0 | 0 | 0 | 2 |
| Kenya | 0 | 1 | 2 | 4 | 6 | 2 | 5 |
| Liberia | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Lithuania | 0 | 0 | 4 | 6 | 0 | 0 | 0 |
| Madagascar | 0 | | 0 | 0 | 0 | 0 | 1 |
| Mauritania | 0 | | 0 | 0 | 0 | 0 | 1 |
| Mauritius | 1 | 3 | 5 | 1 | 14 | 0 | 4 |
| Morocco | 0 | 0 | 4 | 0 | 0 | 1 | 1 |
| Mozambique | 0 | | 0 | 0 | 0 | 0 | 1 |
| Namibia | 0 | 5 | 0 | 1 | 1 | 5 | 6 |
| Nigeria | 0 | 0 | 0 | 0 | 3 | 4 | 2 |
| Reunion | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Seychelles | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Somalia | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| South Africa | 62 | 65 | 32 | 70 | 62 | 77 | 59 |
| Sudan | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Swaziland | 0 | 1 | 4 | 3 | 0 | 0 | 0 |
| Tanzania | 0 | 0 | 0 | 3 | 1 | 0 | 0 |
| Tunisia | 0 | 0 | 1 | 0 | 0 | 0 | 4 |
| Uganda | 1 | 0 | 0 | 1 | 0 | 0 | 1 |
| Zambia | 0 | 0 | 0 | 0 | 0 | 1 | 0 |

*(continued on next page)*

**Table 10.1: Annual International Tourist Arrivals by Country and Region, Bhutan (2007-2013)** *(continued)*

(Numbers)

| Country | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|---|
| Zimbabwe | 0 | | 0 | 0 | 0 | 0 | 1 |
| Asia & Pacific | 5,257 | 7,514 | 7,800 | 8,692 | 15,119 | 21,528 | 21,422 |
| Afganisthan | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| American Samoa | 0 | 0 | 0 | 70 | 0 | 0 | 0 |
| Australia | 1,181 | 1,524 | 970 | 1,318 | 1,773 | 1,926 | 2,043 |
| Azerbaijan | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Bangladesh | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Brunei Darussalam | 0 | 0 | 0 | 1 | 3 | 1 | 8 |
| Burma | 0 | 5 | 5 | 0 | 0 | 12 | 0 |
| Cambodia | 3 | 1 | 2 | 0 | 0 | 3 | 3 |
| China | 504 | 1,069 | 1,143 | 1,494 | 2,896 | 3,766 | 4,764 |
| Chinese – Macau | 0 | 0 | 1 | 3 | 0 | 0 | 0 |
| Fiji | 1 | 0 | 0 | 0 | 0 | 0 | 6 |
| Indonesia | 46 | 36 | 98 | 110 | 295 | 202 | 579 |
| Japan | 2,008 | 2,743 | 3,136 | 2,963 | 3,943 | 6,967 | 4,015 |
| Kazakhstan | 0 | 1 | 5 | 0 | 15 | 3 | 0 |
| Kyrgyzstan | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| Laos | 0 | 0 | 0 | 0 | 4 | 2 | 11 |
| Malaysia | 94 | 221 | 367 | 356 | 788 | 1,307 | 2,029 |
| Maldives | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Mongolia | 1 | 0 | 0 | 1 | 7 | 3 | 0 |
| Myanmar | 0 | 0 | 0 | 1 | 3 | 12 | 5 |
| Nepal | 31 | 78 | 41 | 60 | 145 | 150 | 168 |
| New Zealand | 127 | 180 | 122 | 105 | 144 | 192 | 211 |
| North Korea | 0 | 43 | 0 | 0 | 3 | 11 | 2 |
| Pakistan | 1 | 1 | 5 | 2 | 2 | 12 | 6 |
| Phillipines | 42 | 72 | 59 | 119 | 128 | 243 | 238 |
| Singapore | 350 | 667 | 708 | 785 | 1,349 | 1,605 | 2,037 |
| South Korea | 0 | 97 | 49 | 182 | 407 | 630 | 596 |
| Sri Lanka | 4 | 26 | 6 | 30 | 6 | 17 | 15 |
| Taiwan | 132 | 114 | 83 | 184 | 891 | 801 | 1102 |
| Thailand | 707 | 627 | 975 | 875 | 2,235 | 3,573 | 3,494 |
| Uzbekistan | 0 | 1 | 0 | 1 | 0 | 2 | 0 |

*(continued on next page)*

**Table 10.1: Annual International Tourist Arrivals by Country and Region, Bhutan (2007-2013)** *(continued)*

(Numbers)

| Country | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|---|
| Vietnam | 25 | 7 | 25 | 31 | 80 | 85 | 95 |
| Europe | 8,777 | 11,698 | 9,697 | 11,751 | 13,886 | 14,234 | 13,447 |
| Albania | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| Andorra | 0 | 0 | 3 | 1 | 1 | 6 | 2 |
| Armenia | 0 | 0 | 0 | 0 | 10 | 1 | 4 |
| Austria | 443 | 472 | 420 | 505 | 528 | 611 | 653 |
| Belarus | 0 | 2 | 2 | 2 | 1 | 11 | 12 |
| Belgium | 291 | 432 | 364 | 404 | 539 | 505 | 514 |
| Bosnia | 0 | 0 | 1 | 0 | 2 | 1 | 0 |
| Bulgaria | 2 | 13 | 12 | 11 | 11 | 14 | 24 |
| Croatia | 0 | 8 | 4 | 1 | 6 | 15 | 14 |
| Cyprus | 0 | 6 | 5 | 5 | 4 | 7 | 3 |
| Czech Republic | 71 | 65 | 77 | 71 | 135 | 148 | 160 |
| Denmark | 170 | 127 | 153 | 412 | 430 | 332 | 202 |
| Estonia | 37 | 54 | 14 | 31 | 2 | 12 | 16 |
| Finland | 76 | 191 | 161 | 174 | 245 | 112 | 144 |
| France | 738 | 1,402 | 1,189 | 1,454 | 1,585 | 1,847 | 1,561 |
| Georgia | 0 | 0 | 0 | 0 | 0 | 5 | 1 |
| Germany | 1,456 | 1,717 | 1,587 | 2,250 | 2,287 | 2,880 | 2,753 |
| Gibraltar | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Greece | 29 | 45 | 107 | 88 | 70 | 60 | 48 |
| Hungary | 112 | 54 | 49 | 65 | 45 | 69 | 108 |
| Iceland | 7 | 13 | 0 | 0 | 7 | 5 | 1 |
| Ireland | 56 | 98 | 59 | 59 | 78 | 72 | 64 |
| Italy | 614 | 751 | 759 | 1,028 | 1,014 | 786 | 750 |
| Latvia | 24 | 9 | 3 | 9 | 44 | 32 | 17 |
| Liechtenstein | 0 | 0 | 2 | 0 | 3 | 5 | 3 |
| Lithuania | 9 | 32 | 4 | 7 | 44 | 3 | 18 |
| Luxembourg | 24 | 14 | 16 | 23 | 33 | 38 | 54 |
| Malta | 0 | 0 | 0 | 5 | 4 | 9 | 0 |
| Moldova | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| Monaco | 0 | 0 | 0 | 0 | 0 | 6 | 1 |
| Montenegro | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| Netherlands | 497 | 915 | 780 | 847 | 933 | 993 | 785 |
| Norway | 116 | 109 | 92 | 136 | 214 | 142 | 219 |
| Poland | 252 | 233 | 184 | 268 | 311 | 240 | 289 |

*(continued on next page)*

**Table 10.1: Annual International Tourist Arrivals by Country and Region, Bhutan (2007-2013)** *(continued)*

(Numbers)

| Country | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|---|
| Portugal | 208 | 91 | 116 | 116 | 214 | 118 | 223 |
| Russia | 204 | 245 | 270 | 275 | 291 | 365 | 392 |
| Romania | 3 | 12 | 19 | 52 | 35 | 19 | 34 |
| Serbia | 0 | 0 | 0 | 2 | 2 | 5 | 2 |
| Slovakia | 18 | 55 | 53 | 32 | 38 | 36 | 37 |
| Slovenia | 21 | 63 | 30 | 64 | 11 | 41 | 28 |
| Spain | 444 | 803 | 485 | 528 | 727 | 789 | 488 |
| Sweden | 166 | 177 | 88 | 137 | 256 | 241 | 267 |
| Switzerland | 396 | 597 | 543 | 789 | 781 | 932 | 1065 |
| Turkey | 94 | 91 | 51 | 100 | 66 | 208 | 167 |
| Ukraine | 5 | 44 | 28 | 27 | 81 | 44 | 33 |
| United Kingdom | 2,193 | 2,758 | 1,968 | 1,772 | 2,795 | 2,466 | 2,291 |
| Yugoslavia | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| Middle East | 152 | 78 | 171 | 145 | 326 | 209 | 195 |
| Bahrain | 0 | 0 | 0 | 0 | 1 | 0 | 3 |
| Iran | 0 | 0 | 2 | 1 | 4 | 1 | 4 |
| Israel | 152 | 78 | 159 | 127 | 278 | 172 | 168 |
| Jordan | 0 | 0 | 0 | 1 | 21 | 3 | 4 |
| Kuwait | 0 | 0 | 4 | 2 | 8 | 8 | 0 |
| Lebanon | 0 | 0 | 1 | 5 | 4 | 5 | 6 |
| Oman | 0 | 0 | 1 | 1 | 2 | 5 | 1 |
| Qatar | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Saudi Arabia | 0 | 0 | 3 | 0 | 2 | 12 | 6 |
| United Arab Emirates | 0 | 0 | 1 | 8 | 5 | 3 | 1 |
| Yemen | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| North America | 6,488 | 7,931 | 5,467 | 6,141 | 7,511 | 7,199 | 8,219 |
| Canada | 588 | 852 | 556 | 786 | 1,061 | 999 | 1055 |
| Mexico | 127 | 138 | 125 | 166 | 224 | 193 | 237 |
| USA | 5,773 | 6,941 | 4,786 | 5,189 | 6,226 | 6,007 | 6,927 |
| South America | 165 | 309 | 276 | 365 | 545 | 680 | 866 |
| Antigua | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Argentina | 43 | 21 | 59 | 40 | 80 | 88 | 113 |
| Bahamas | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| Bolivia | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| Brazil | 79 | 249 | 178 | 229 | 304 | 462 | 556 |
| Belize | 2 | 0 | 0 | 1 | 1 | 0 | 0 |

*(continued on next page)*

**Table 10.1: Annual International Tourist Arrivals by Country and Region, Bhutan (2007-2013)** *(continued)*

(Numbers)

| Country | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|---|
| Chile | 5 | 15 | 8 | 18 | 45 | 40 | 89 |
| Colombia | 11 | 5 | 14 | 27 | 45 | 40 | 41 |
| Costa Rica | 1 | 0 | 0 | 10 | 1 | 5 | 2 |
| Cuba | 1 | 1 | 0 | 0 | 1 | 0 | 0 |
| Dominican Republic | 0 | 0 | 0 | 4 | 0 | 2 | 5 |
| Ecuador | 1 | 0 | 0 | 1 | 0 | 4 | 5 |
| El Salvador | 0 | 0 | 0 | 0 | 2 | 0 | 1 |
| Granada | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Guatemala | 0 | 0 | 2 | 0 | 11 | 0 | 10 |
| Guyana | 0 | | 0 | 0 | 0 | 0 | 2 |
| Haiti | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Hondurus | 0 | 1 | 0 | 2 | 0 | 0 | 1 |
| Jamaica | 0 | 0 | 0 | 3 | 1 | 0 | 4 |
| Nicaragua | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Panama | 0 | 0 | 0 | 0 | 2 | 8 | 3 |
| Paraguay | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Peru | 0 | 7 | 6 | 19 | 12 | 6 | 6 |
| Saint Kitts and Nevis | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Surinam | 0 | 0 | 0 | 0 | 0′ | 0 | 1 |
| Trinidad and Tobago | 0 | 0 | 0 | 4 | 3 | 1 | 0 |
| Uruguay | 0 | 0 | 1 | 1 | 0 | 7 | 1 |
| Venezuela | 22 | 10 | 8 | 3 | 34 | 15 | 21 |
| Virgin Islands U.S | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Total arrivals | 20,905 | 27,607 | 23,481 | 27,195 | 37,479 | 43,943 | 44,241 |

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

**Table 10.2: Tourist Arrivals By Country of Residence and Revenue Receipts, Bhutan (2007-2013)**

(Numbers)

| Region | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|---|
| North America | 6488 | 7,931 | 5,467 | 6,141 | 7,511 | 7,199 | 8,219 |
| South America | 165 | 309 | 276 | 365 | 545 | 680 | 866 |
| Asia and Pacific | 5257 | 7,514 | 7,800 | 8,692 | 15,119 | 21,528 | 21,422 |
| Europe | 8777 | 11,698 | 9,697 | 11,751 | 13,886 | 14,234 | 13,447 |
| Africa | 66 | 77 | 70 | 101 | 92 | 93 | 92 |
| Middle East | 152 | 78 | 171 | 145 | 326 | 209 | 195 |
| All regions (persons) | 20905.0 | 27,607 | 23,481 | 27,195 | 37,479 | 43,943 | 44,241 |
| Tourism revenue receipts [1] | | | | | | | |
| Ngultrums (million) | 1,234.30 | 1,689.49 | 1,402.72 | 1,645.37 | 2,226.66 | 3,355.40 | 3,483.06 |
| US Dollars (million) | 29.85 | 38.83 | 31.88 | 35.98 | 47.68 | 62.80 | 63.49 |

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

**Table 10.3: Percentage of Tourist Arrivals by Purpose of Visit, Bhutan (2012-2013)**

| Purpose | Percent | |
|---|---|---|
| | 2012 | 2013 |
| Holiday | 71.40 | 65.80 |
| Private Business trip | 11.00 | 8.89 |
| Visiting Friends/Family | 4.10 | 3.46 |
| Meeting/Incentives/Conventions/Exhibition | 3.40 | 8.67 |
| Government Guest | 1.80 | 2.49 |
| Coporate Guest | 1.70 | 3.05 |
| Living in Bhutan | 0.20 | 0.78 |
| Working in Bhutan | 3.80 | 4.35 |
| Others | 2.60 | 2.49 |

Source: Tourism Council of Bhutan, Thimphu.

**Table 10.4: Number of Tourist Arrivals by Season and Month, Bhutan (2007-2013)**

| Season & Month | 2007 | 2008 | 2009 | 2010 | 2011 [1] | 2012 | 2013 |
|---|---|---|---|---|---|---|---|
| Winter | 4,265 | 5,848 | 4,291 | 8,375 | … | 14,692 | 24,365 |
| November | 2,733 | 4,126 | 2,607 | 4,432 | … | 7,039 | 10,758 |
| December | 1,091 | 1,190 | 1,017 | 2,277 | … | 4,294 | 9,535 |
| January | 441 | 532 | 667 | 1,666 | … | 3,359 | 4,072 |
| Spring | 6,019 | 7,996 | 7,258 | 10,046 | … | 20,753 | 28,138 |
| February | 814 | 1,311 | 811 | 2,125 | … | 4,086 | 5,753 |
| March | 2,539 | 3,512 | 2,184 | 4,401 | … | 6,977 | 10,704 |
| April | 2,666 | 3,173 | 4,263 | 3,520 | … | 9,690 | 11,681 |
| Summer | 2,213 | 3,816 | 3,365 | 8,009 | … | 20,104 | 26,882 |
| May | 1,045 | 1,862 | 1,743 | 3,559 | … | 9,011 | 12,647 |
| June | 580 | 869 | 764 | 2,618 | … | 7,207 | 9,252 |
| July | 588 | 1,085 | 858 | 1,832 | … | 3,886 | 4,983 |
| Autumn | 8,597 | 9,976 | 8,566 | 14,569 | … | 23,042 | 36,859 |
| August | 1,133 | 1,386 | 1,220 | 2,442 | … | 5,013 | 7,233 |
| September | 2,952 | 2,428 | 3,020 | 4,927 | … | 7,305 | 9,466 |
| October | 4,512 | 6,162 | 4,326 | 7,200 | … | 10,724 | 20,160 |

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

**Table 10.5: Total Number of Tourist Arrivals by Dzongkhag (2010 - 2013)**

| Dzongkhag | No. of Visitors | | | |
|---|---|---|---|---|
| | 2010 | 2011 | 2012 | 2013 |
| Bumthang | 10,169 | 11,362 | 11,538 | 11,762 |
| Chhukha | 4,705 | 5,212 | 5,388 | 4,574 |
| Dagana | 2 | 9 | 1 | 8 |
| Gasa | 1,896 | 409 | 416 | 401 |
| Haa | 1,579 | 2,638 | 2,954 | 2,811 |
| Lhuntse | 155 | 288 | 146 | 144 |
| Monggar | 1,822 | 2,359 | 2,289 | 2,385 |
| Paro | 27,195 | 36,432 | 43,023 | 43,707 |
| Pema Gatshel | 9 | 33 | 105 | 84 |
| Punakha | 13,135 | 12,023 | 32,738 | 30,127 |
| Samdrup Jongkhar | 1,216 | 2,109 | 1,930 | 2,064 |
| Samtse | 0 | 3 | 4 | 5 |
| Sarpang | 33 | 90 | 99 | 155 |
| Thimphu | 26,667 | 35,282 | 41,545 | 41,594 |
| Trashi Yangtse | 189 | 219 | 835 | 937 |
| Trashigang | 1,607 | 2,875 | 2,230 | 2,250 |
| Trongsa | 5,424 | 6,454 | 7,435 | 6,913 |
| Tsirang | 9 | 45 | 38 | 13 |
| Wangdue Phodrang | 18,978 | 28,319 | 13,150 | 16,833 |
| Zhemgang | 157 | 195 | 186 | 165 |

Source: Tourism Council of Bhutan, Thimphu.

**Table 10.6: Top Ten Tour Operators by Number of Tourists, Bhutan 2013**

| Tour Operator | Tourists |
|---|---|
| Norbu Bhutan Travel Private Limited | 3,474 |
| Himalayan Kingdom Tours | 2,375 |
| Bhutan Tourism Corporation Ltd. (including Luxury Division) | 1,405 |
| Druk Aisa Tours and Treks | 1,397 |
| All Bhutan Connection | 1,162 |
| Yangphel Adventure Travel | 878 |
| Etho Metho Tours and Treks Ltd. | 844 |
| International Treks and Tours | 798 |
| Rainbow Tours and Treks | 677 |
| Gangri Tours and Treks | 535 |

Source: Tourism Council of Bhutan, Thimphu.

**Table 10.7: Top Ten Accomodation Providers by Bed Nights, 2013**

| Accomodation Providers | Bed Nights |
|---|---|
| Meri Phensum Resort – Punakha | 11,802 |
| Olathang Hotel – Paro | 10,200 |
| Uma Resort – Paro | 9,669 |
| Phuentsho Pelri Hotel - Thimphu | 8,647 |
| Tashi Namgay Resort - Paro | 8,502 |
| Zhiwaling Hotel - Paro | 7,892 |
| Tenzingling Hotel - Paro | 7,748 |
| Damchen Resort - Punakha | 7,568 |
| Taj Tashi - Thimphu | 7,310 |
| Kisa Hotel - Thimphu | 6,899 |

Source: Tourism Council of Bhutan, Thimphu.

# FOREIGN TRADE AND BALANCE OF PAYMENTS

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

Balance of Payments statistics are designed to show the difference between the total payments made to foreign countries and the total receipts from foreign countries. Thus, it provides systematic summary of economic transaction, for a specific time period, between an economy and the rest of the world.

The transactions included goods, services, income, transfers and financial claims. Balance of payments statistics in Bhutan are compiled by the Royal Monetary Authority based on information from its own accounts and those of the Banks, together with information on imports and exports.

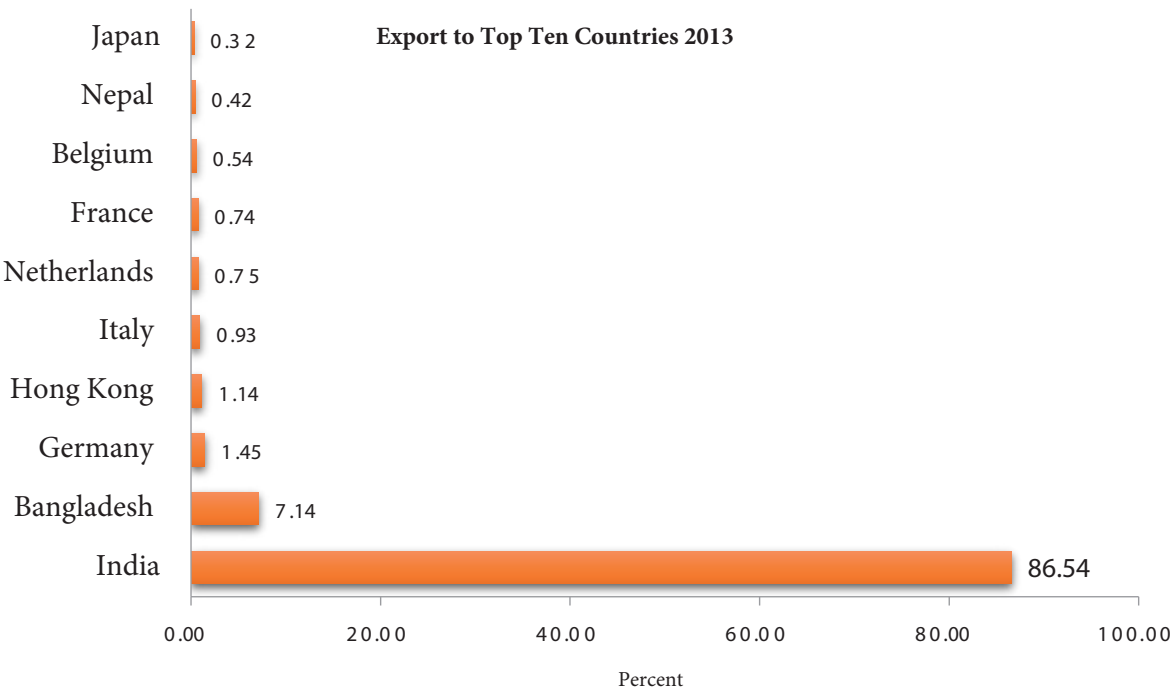


**Table 11.1: Balance of Trade, Bhutan (2007 - 2013)**

(Nu. in Million)

| Trade | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|---|
| Exports | 27,859.06 | 22,590.64 | 23,992.74 | 29,324.39 | 31,485.95 | 28,600.13 | 31,852.98 |
| India | 22,723.72 | 21,480.02 | 22,434.39 | 26,000.89 | 26,377.97 | 26,627.35 | 28,979.16 |
| Third Countries | 5,135.34 | 1,110.62 | 1,558.35 | 3,323.50 | 5,107.98 | 1,972.78 | 2,873.82 |
| Imports | 21,745.44 | 23,495.12 | 25,650.18 | 39,084.09 | 48,697.64 | 53,089.62 | 53,272.99 |
| India | 15,099.54 | 17,339.55 | 19,968.01 | 29,338.00 | 35,201.07 | 41,834.29 | 43,889.37 |
| Third Countries | 6,645.90 | 6,155.57 | 5,682.17 | 9,746.09 | 13,496.57 | 11,255.33 | 9,383.62 |
| Balance of trade | 6,113.62 | (904.48) | (1,657.44) | (9,759.70) | (17,211.69) | (24,673.48) | (21,420.01) |
| India | 7,624.18 | 4,140.47 | 2,466.38 | (3,337.11) | (8,823.10) | (15,210.94) | (14,910.21) |
| Third Countries | (1,510.56) | (5,044.95) | (4,123.82) | (6,422.59) | (8,388.59) | (9,462.54) | (6,509.80) |

Figures within bracket indicate deficit (-).
Source : Bhutan Trade Statistics, Department of Revenue & Customs, Ministry of Finance.

**Table 11.2: Top Ten Commodities of Exports, Bhutan 2013**

| Commodity Description | Value ( Nu. in Million) | Percent share |
|---|---|---|
| Containing by weight more than 55% of Silicon (Ferro-silicon) | 7,672.44 | 50.83 |
| Other, of rectangular (other than square) cross-section | 1,730.51 | 11.46 |
| Of calcium (Carbides of calcium) | 981.38 | 6.50 |
| Portland pozzolana cement | 887.10 | 5.88 |
| Of silicon (Carbides of silicon) | 830.74 | 5.50 |
| Other, of free-cutting steel (bars and rods of iron and non-alloy steel) | 744.34 | 4.93 |
| Neither crushed nor ground | 656.11 | 4.35 |
| Gypsum; anhydrite | 558.83 | 3.70 |
| Oranges | 519.15 | 3.44 |
| Dolomite, not calcined or sintered, chips | 513.41 | 3.40 |
| Total | 15,094.00 | 100.00 |

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

**Table 11.3: Top Ten Commodities of Imports, Bhutan 2013**

| Commodity | Value ( Nu. in Million) | Percent share |
|---|---|---|
| Other light oils and preparations (HSD) | 5,655.31 | 33.60 |
| Ferrous products obtained by direct reduction of iron ore | 1,888.58 | 11.22 |
| Of an output exceeding 75 kw but not exceeding 375 | 1,861.34 | 11.06 |
| Motor spirit (gasolene) including aviation spirit(petrol) | 1,750.31 | 10.40 |
| Husked (brown) rice | 1,061.39 | 6.31 |
| Of a power exceeding 10,000 kw | 1,028.08 | 6.11 |
| Other coal | 1,014.71 | 6.03 |
| Other | 990.70 | 5.89 |
| Portland pozzolana cement | 825.57 | 4.91 |
| Coke and semi-coke | 753.85 | 4.48 |
| Total | 16,829.84 | 100.0 |

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

**Table 11.4: Direction of Trade by Import Ranking Order, Top Ten Country 2013**

| Country | Value (Nu. in Million) | Percent share |
|---|---|---|
| India | 43,666.45 | 88.23 |
| China | 1,089.31 | 2.20 |
| Thailand | 1,080.89 | 2.18 |
| Singapore | 969.73 | 1.96 |
| Sweden | 816.95 | 1.65 |
| Austria | 695.52 | 1.41 |
| Germany | 304.20 | 0.61 |
| Japan | 295.68 | 0.60 |
| Switzerland | 292.23 | 0.59 |
| Korea South | 280.77 | 0.57 |
| Total | 49,491.72 | 100.00 |

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

**Table 11.5: Direction of Trade by Export Ranking Order, Top Ten Country 2013**

| Country | Value (Nu. in Million) | Percent share |
|---|---|---|
| India | 17,751.90 | 86.54 |
| Bangladesh | 1,464.98 | 7.14 |
| Germany | 298.31 | 1.45 |
| Hong Kong | 234.72 | 1.14 |
| Italy | 191.13 | 0.93 |
| Netherlands | 154.71 | 0.75 |
| France | 152.10 | 0.74 |
| Belgium | 111.54 | 0.54 |
| Nepal | 87.09 | 0.42 |
| Japan | 65.67 | 0.32 |
| Total | 20,512.15 | 100.00 |

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

**Table 11.6: Overall Balance of Payments Estimates, Bhutan, FY 2008/09 To 2012/13**

(Nu. in Million)

| Item | 2008/09 | 2009/10 | 2010/11 (r) | 2011/12 (p) | 2012/13 |
|---|---|---|---|---|---|
| A. Current Account | (3,631.17) | (14,863.50) | (23,621.43) | (19,774.27) | (7,256.39) |
| Exports cif | 24,342.95 | 24,480.09 | 30,160.10 | 30,997.44 | 29,931.47 |
| Imports, cif | (27,871.96) | (37,048.36) | (50,995.44) | (50,878.07) | (31,754.77) |
| Trade balance | (3,529.01) | (12,568.27) | (20,835.34) | (19,880.62) | (1,823.29) |
| Services | (2,018.01) | (3,315.76) | (4,283.13) | (4,749.95) | (2,900.22) |
| Credit | 2,699.98 | 3,210.04 | 3,703.82 | 5,146.02 | 6,837.03 |
| Debit | (4,717.99) | (6,525.80) | (7,986.95) | (9,895.97) | (9,737.25) |
| Primary Income | (1,560.42) | (3,335.66) | (4,709.69) | (5,922.37) | (9,248.56) |
| Credit | 1,012.61 | 762.44 | 753.63 | 875.13 | 965.86 |
| Debit | (2,573.03) | (4,098.11) | (5,463.31) | (6,797.51) | (10,214.42) |
| Secondary Income | 3,476.28 | 4,356.19 | 6,206.72 | 10,778.68 | 6,715.68 |
| Credit | 5,181.91 | 6,434.98 | 8,562.24 | 12,907.31 | 8,684.69 |
| Of Which, Budgetary Grants | 4,001.74 | 4,669.70 | 6,540.05 | 9,020.72 | 4,716.15 |
| Debit | (1,705.63) | (2,078.79) | (2,355.52) | (2,128.64) | (1,969.00) |
| B. Capital Account | 3,269.24 | 6,985.56 | 7,609.68 | 4,755.13 | 14,458.99 |
| o/w Budgetary Grants for Investment | 2,510.55 | 3,920.56 | 3,957.68 | 3,436.53 | 4,698.63 |
| C. Financial Account | (4,613.50) | (8,933.90) | (18,632.71) | (15,222.08) | (17,956.09) |
| Portfolio Investment | … | … | … | … | … |
| Other Investment | 3,351.36 | 5,523.22 | 17,076.30 | 13,948.99 | 17,723.73 |
| o/w RGOB loans, net | 1,318.05 | 4,358.95 | 11,974.74 | 11,435.14 | 18,447.09 |
| o/w Other loans, net | 1,988.30 | 443.99 | 4,618.73 | 2,950.76 | 201.42 |
| C. Net Errors and Omissions | 2,321.06 | 3,354.01 | (1,823.42) | (9,271.37) | (15,946.53) |
| D. Overall balance | 6,572.62 | 4,409.95 | 797.54 | (9,068.42) | 9,212.16 |

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

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

Source : Royal Monetary Authority of Bhutan, Thimphu

**Table 11.7: Gross International Reserves (End Period), Bhutan, 2008/09 To 2012/13**

(Nu. in Million)

| Item | 2008/09 | 2009/10 | 2010/11 | 2011/12 | 2012/13 |
|---|---|---|---|---|---|
| 1. Rupee reserves | 628.10 | 1,378.56 | 774.60 | 1,516.27 | 11,352.24 |
| Royal Monetary Authority of Bhutan | 118.40 | 137.25 | 91.20 | 229.88 | 10,706.43 |
| Bank of Bhutan Ltd. | 373.00 | 922.98 | 329.40 | 857.25 | 229.83 |
| Bhutan National Bank Ltd. | 136.70 | 196.26 | 99.50 | 171.79 | 56.46 |
| TBank Ltd. | … | 50.00 | 39.80 | 53.27 | 115.72 |
| Druk PNB Ltd. | … | 72.07 | 214.70 | 204.07 | 243.79 |
| Bhutan Development Bank Ltd. | … | … | … | … | … |
| 2. Convertible currency reserves (US $) | 662.21 | 729.85 | 778.86 | 647.37 | 726.71 |
| Royal Monetary Authority of Bhutan | 637.54 | 698.46 | 731.77 | 623.61 | 692.68 |
| Bank of Bhutan Ltd. | 7.64 | 15.36 | 35.14 | 8.95 | 21.58 |
| Bhutan National Bank Ltd. | 17.03 | 15.85 | 9.99 | 14.17 | 10.61 |
| TBank Ltd. | … | 0.00 | 0.21 | 0.11 | 0.12 |
| Druk PNB Ltd. | … | 0.18 | 1.75 | 0.52 | 1.72 |
| Bhutan Development Bank Ltd. | … | … | … | … | … |
| 3. Total reserves(1+2) (US $) | 675.16 | 759.43 | 796.18 | 674.29 | 916.86 |
| 4. Months of Merchandise Imports | | | | | |
| Total reserves | 14.10 | 11.46 | 8.38 | 8.96 | 20.68 |
| Rupee reserves | 0.32 | 0.58 | 0.23 | 0.45 | 5.21 |
| Convertible currency reserves | 88.77 | 46.74 | 40.29 | 41.52 | 92.77 |

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

**Table 11.8: Monthly Average Exchange Rates, Ngultrum Per US $ (2007 - 2013)**

| Month | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|---|
| January | 44.33 | 39.37 | 48.83 | 45.96 | 45.40 | 51.35 | 54.31 |
| February | 44.16 | 39.73 | 49.26 | 46.33 | 45.40 | 49.16 | 53.75 |
| March | 44.03 | 40.36 | 51.23 | 45.50 | 45.00 | 50.32 | 54.39 |
| April | 42.15 | 40.03 | 50.06 | 44.50 | 44.40 | 51.80 | 54.38 |
| May | 40.78 | 42.13 | 48.53 | 45.81 | 44.90 | 54.44 | 55.03 |
| June | 40.77 | 42.82 | 47.77 | 46.56 | 44.90 | 56.03 | 58.33 |
| July | 40.41 | 42.84 | 48.48 | 46.84 | 44.40 | 55.53 | 59.78 |
| August | 40.82 | 42.94 | 48.34 | 46.57 | 45.30 | 55.56 | 63.21 |
| September | 40.34 | 45.56 | 48.44 | 46.06 | 47.60 | 54.56 | 63.64 |
| October | 39.51 | 48.66 | 46.72 | 44.41 | 49.30 | 53.02 | 61.63 |
| November | 39.44 | 49.00 | 46.57 | 45.02 | 50.80 | 54.78 | 62.71 |
| December | 39.44 | 48.64 | 46.63 | 45.16 | 52.70 | 54.65 | 61.95 |
| Calendar year average exchange rate | 41.35 | 43.50 | 48.41 | 45.73 | 46.70 | 53.43 | 58.59 |
| Fiscal year | 2006/07 | 2007/08 | 2008/09 | 2009/10 | 2010/11 | 2011/12 | 2012/13 |
| Fiscal year average exchange rate | 44.19 | 40.37 | 47.78 | 46.65 | 45.30 | 50.27 | 54.86 |

Source: Royal Monetary Authority, Thimphu.

# BANKING AND FINANCE

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

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

**Percent of Dividend declared by the Companies, 2012 & 2013**

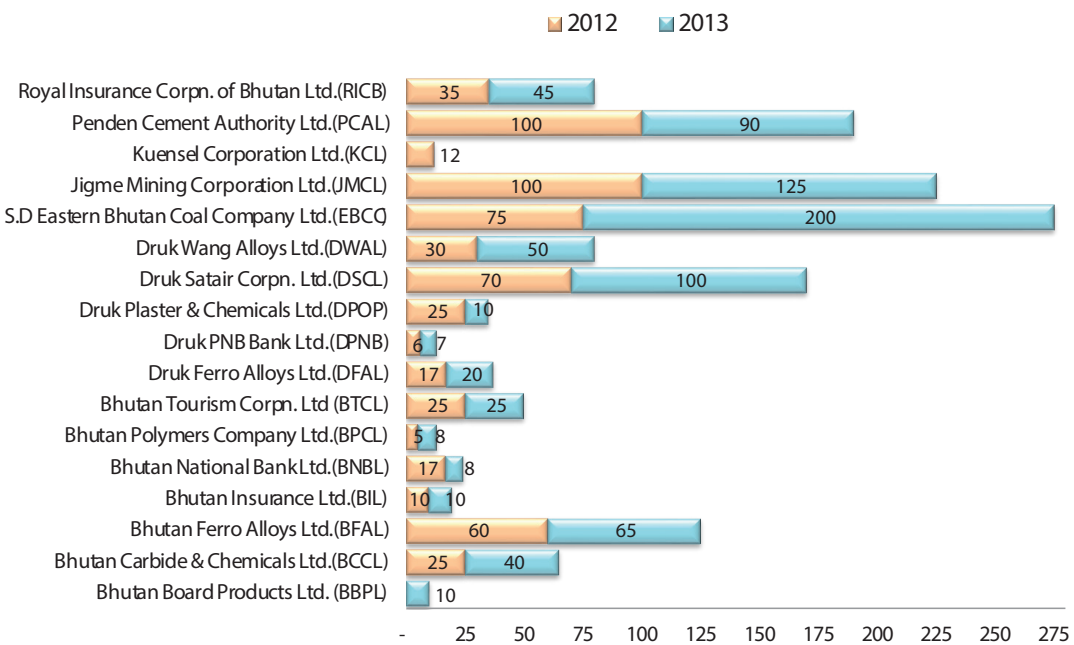


**Table 12.1: Monetary Survey: Royal Monetary Authority, Bhutan National Bank, Bank Of Bhutan, Bhutan Development Bank, Druk PNB Bank and T Bank (2009-2013)**

(Nu. in Million)

| Item | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|
| Assets total | 59,058.94 | 71,193.26 | 79,600.87 | 87,180.89 | 99,352.28 |
| Foreign Assets(net) | 38,721.53 | 42,030.76 | 39,290.67 | 36,209.35 | 51,342.67 |
| Rupee | 2,532.87 | 3,069.06 | (1,902.26) | (14,920.23) | (3,757.20) |
| Others | 36,188.66 | 38,961.70 | 41,192.92 | 51,129.58 | 55,099.87 |
| Domestic Credit | 20,337.41 | 29,162.50 | 40,310.21 | 50,971.54 | 48,009.60 |
| Claims on Government (net) | (724.90) | (2,060.36) | (1,198.89) | 4,167.37 | (2,388.52) |
| Claims on Other Public Sector [1] | 706.61 | 414.44 | 1,246.64 | 1,645.36 | 1,646.34 |
| Claims on private sector [2] | 20,355.70 | 30,808.42 | 40,262.46 | 45,158.81 | 48,751.77 |
| Liabilities total | 59,058.94 | 71,193.26 | 79,600.87 | 87,180.89 | 99,352.28 |
| Broad money (M2) | 43,862.76 | 51,112.05 | 53,228.61 | 56,222.88 | 58,209.85 |
| Narrow Money (M1) | 22,622.78 | 29,042.95 | 33,199.58 | 33,229.66 | 34,077.92 |
| Nu. Outside Banks | 4,980.12 | 5,608.53 | 6,910.56 | 5,254.43 | 5,406.20 |
| Demand Deposits | 17,642.66 | 23,434.42 | 26,289.03 | 27,975.23 | 28,671.71 |
| Other Deposits [3] | 21,239.98 | 22,069.10 | 20,029.02 | 22,993.21 | 24,131.94 |
| Other items(net) | 15,196.18 | 20,081.21 | 26,372.27 | 30,958.01 | 41,142.42 |

[1] It includes claims on Government Corporations and Other Public Corporations
[2] It includes claims on Non-bank financial institutions (NBFIs)
[3] Other Deposits includes time deposits plus foreign currency deposits
a. Starting from January 2003 onwards, a major reclassification has been carried out in the accounts of all the economic sectors. Data prior to 2003 cannot always be directly compared with the subsequent data, because of a break in continuity.
b. Broad money (M2)=M=Narrow Money+Other Deposits, Narrow Money (M1)=Nu. Outside banks+Transferable Deposits+NBFIs Deposits; Figures in the brackets ( ) are negative
c. The terms Demand Deposits and Quasi Money are replaced by Transferable Deposits and Other Deposits as per the International Monetary Fund's Monetary and Financial Statistics Manual, 2000
Source : Royal Monetary Authority of Bhutan, Thimphu.

**Table 12.2: Monetary and Financial Statistics of Royal Insurance Corporation of Bhutan (2009-2013)**

(Nu. in Million)

| Item | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|
| Assets total | 3,328.88 | 5,584.08 | 6,446.50 | 7,222.99 | 8,283.38 |
| Reserves | 313.73 | 330.10 | 223.10 | 306.86 | 232.31 |
| Foreign Assets | 30.00 | 1.76 | 1.39 | 2.35 | 26.30 |
| Rupee | 0.04 | 0.04 | 0.00 | 0.04 | 0.04 |
| Others | 29.96 | 1.72 | 1.35 | 2.30 | 26.25 |
| Domestic Credit [1] | 2,975.77 | 4,842.85 | 5,423.90 | 5,690.66 | 6,631.65 |
| Claims on Government | 0.26 | 62.12 | 0.00 | 0.00 | 0.00 |
| Claims on Government Corps. | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 |
| Claims on Public Sector [2] | 43.68 | 69.09 | 14.00 | 13.98 | 13.48 |
| Claims on private sector | 2,928.83 | 4,708.46 | 5,406.90 | 5,673.68 | 6,582.67 |
| Claims on NBFIs | 3.00 | 3.00 | 3.00 | 3.00 | 35.50 |
| Claims on DMBs | 9.38 | 409.38 | 798.13 | 1,223.13 | 1,393.13 |
| Liabilities total | 3,328.88 | 5,584.08 | 6,446.55 | 7,222.99 | 8,283.43 |
| Life fund | 342.29 | 472.45 | 0.00 | 0.00 | ... |
| Private provident funds | 233.07 | 308.26 | 0.00 | 0.00 | ... |
| Group Insurance Fund | 433.73 | 498.44 | 0.00 | 0.00 | ... |
| Credit from DMBs | 0.00 | 300.00 | 500.00 | 650.00 | 740.68 |
| Credit from NBFIs | 1,184.00 | 2,660.98 | 2,637.97 | 2,614.97 | 2,898.37 |
| Capital accounts | 799.83 | 974.42 | 1,210.52 | 1,507.06 | 1,764.56 |
| Other items (net) | 335.95 | 369.54 | 2,098.06 | 2,450.96 | 2,879.82 |

[1] Domestic credit excluding the claims on DMBs

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

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

Source: Royal Monetary Authority of Bhutan, Thimphu.

**Table 12.3: Monetary and Financial Statistics of Bhutan National Bank Limited (2009-2013)**

(Nu. in Million)

| Item | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|
| Assets total | 20,601.45 | 20,896.15 | 22,551.65 | 25,489.90 | 24,085.96 |
| Reserves with RMA | 7,833.21 | 6,127.68 | 4,394.62 | 4,643.99 | 4,815.36 |
| Foreign Assets | 1,152.61 | 734.17 | 929.41 | 2,446.54 | 1,002.65 |
| Rupee | 467.48 | 172.77 | 130.57 | 134.41 | 206.43 |
| Others | 685.12 | 561.40 | 798.83 | 2,312.13 | 796.22 |
| Domestic Credit | 11,615.63 | 14,030.56 | 17,227.62 | 18,399.37 | 18,267.95 |
| Claims on Government | 527.00 | 527.00 | 527.00 | 527.00 | 105.37 |
| Claims on Government Corps | 51.27 | 234.28 | 0.37 | … | … |
| Claims on Public Sector[1] | 7.58 | 7.58 | 585.9 | 592.26 | 791.30 |
| Claims on private sector | 11,026.04 | 13,261.70 | 15,892.42 | 17,260.87 | 17,347.39 |
| Claims on NBFIs | 3.73 | 3.73 | 221.92 | 19.23 | 23.89 |
| Liabilities total | 20,601.45 | 20,896.15 | 22,551.65 | 25,489.90 | 24,085.96 |
| Demand Deposits (Current and saving Deposits) | 3,866.84 | 7,370.46 | 6,479.31 | 5,309.39 | 6,478.48 |
| Time Deposits | 15,910.10 | 14,288.77 | 11,240.27 | 11,715.85 | 9,424.53 |
| Foreign currency Deposits | 322.87 | 320.32 | 525.89 | 690.67 | 542.72 |
| Capital accounts | 1,610.55 | 1,794.05 | 4,077.96 | 6,087.99 | 6,264.77 |
| Other items (net) | (1,108.92) | (2,877.45) | 228.21 | 1,686.00 | 1,375.46 |

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

Source: Royal Monetary Authority Bhutan, Thimphu.

**Table 12.4: Monetary and Financial Statistics of Bhutan Development Bank Limited December (2010-2013)**

( Nu. in Million)

| Item | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|
| Assets total | 3,937.24 | 5,046.89 | 6,678.76 | 9,360.87 |
| Reserves With RMA | 295.46 | 489.34 | 409.13 | 841.24 |
| Foreign Assets | … | … | 14.81 | 11.84 |
| Rupee | … | … | 14.81 | 11.84 |
| Others | … | … | … | … |
| Domestic Credit | 3,641.78 | 4,557.55 | 6,254.82 | 8,507.80 |
| Claims on Govt. | … | … | … | … |
| Claims on Govt. Corporations | 5.03 | 6.20 | 213.01 | … |
| Claims on Public Sector [1] | 0.88 | 1.38 | 7.38 | 7.381 |
| Claims on private sector | 3,635.88 | 4,549.97 | 6,034.44 | 8,500.42 |
| Claims on NBFIs | … | 3.00 | … | … |
| Liabilities total | 3,937.24 | 5,046.89 | 6,678.76 | 9,360.87 |
| Demand Deposits (Current and Saving Deposits) | 338.44 | 692.81 | 945.58 | 1,687.71 |
| Time Deposits | 147.04 | 728.75 | 2,691.44 | 3,411.48 |
| Foreign Currency Deposits | … | … | … | … |
| Foreign Liabilities [2] | … | … | … | … |
| Domestic Borrowing | 1,417.95 | 1,330.52 | 1,278.68 | 1,308.51 |
| Capital accounts | 1,342.60 | 1,555.90 | 1,816.14 | 2,199.31 |
| Other items(net) | 691.21 | 738.91 | (53.08) | 753.85 |

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

[2] Due to changes in the classification of foreign liabilities, the external borrowing of the BDBL has been reclassified as the domestic borrowing as this borrowing was onlent by Government to the BDBL

Source: Royal Monetary Authority of Bhutan, Thimphu.

**Table 12.5: Monetary and Financial Statistics of Royal Monetary Authority of Bhutan (2009-2013)**

(Nu. in Million)

| Item | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|
| Assets total | 39,114.69 | 42,963.26 | 40,782.09 | 53,286.19 | 59,044.72 |
| Foreign assets | 38,928.06 | 42,711.51 | 40,047.41 | 47,910.87 | 57,928.18 |
| Indian rupee | 3,830.41 | 4,919.35 | 273.76 | 137.28 | 5,746.52 |
| Convertible Foreign Currency (Including Gold) | 35,097.66 | 37,792.16 | 39,773.65 | 47,773.60 | 52,181.66 |
| Claims on deposit money banks | 170.81 | 232.00 | 715.28 | 3,457.00 | 1,104.05 |
| Claims on Government | … | … | … | 1,900.00 | … |
| Claims of private sector | 15.81 | 19.75 | 19.39 | 17.42 | 12.49 |
| Liabilities total | 39,114.69 | 42,963.26 | 40,782.09 | 53,286.19 | 59,044.72 |
| Reserve money | 21,741.21 | 27,248.63 | 21,173.43 | 19,148.35 | 21,953.07 |
| Currency outside banks | 4,980.12 | 5,608.53 | 6,910.56 | 5,254.43 | 5,406.20 |
| Foreign Liabilities | 3,000.00 | 3,000.00 | 3,000.00 | 16,363.48 | 10,136.43 |
| Rupee | 3,000.00 | 3,000.00 | 3,000.00 | 16,363.48 | 10,136.43 |
| Others | … | … | … | … | … |
| Government deposits | 3,239.27 | 4,110.76 | 2,782.77 | 2,322.41 | 5,279.42 |
| RMA Bills Outstanding | 2,022.32 | 1,021.41 | 43.95 | 29.92 | … |
| Capital Account | 1,006.48 | 3,183.09 | 3,096.43 | 2,878.66 | 2,834.87 |
| Other items (net) | 8,105.41 | 4,399.37 | 10,685.50 | 12,543.37 | 18,840.92 |

Source: Royal Monetary Authority of Bhutan, Thimphu.

**Table 12.6: Monetary and Financial Statistics: Bank of Bhutan Limited (2009-2013)**

(Nu. in Million )

| Item | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|
| Assets total | 24,905.37 | 27,908.61 | 24,766.03 | 27,571.83 | 30,367.15 |
| Reserve with RMA | 13,306.64 | 15,373.78 | 7,824.08 | 8,237.79 | 10,335.45 |
| Foreign assets | 1,640.86 | 815.93 | 1,188.90 | 1,579.67 | 2,170.60 |
| Rupee | 1,234.98 | 446.59 | 589.56 | 614.20 | 330.85 |
| Other | 405.88 | 369.34 | 599.35 | 965.47 | 1,839.74 |
| Claims on Government | … | 527.00 | 558.74 | 970.78 | 105.37 |
| Claims on Government corpns. | 605.70 | 124.61 | 482.93 | 722.49 | 773.25 |
| Claims on public sector [1] | 42.06 | 42.06 | 144.67 | 82.22 | 52.49 |
| Claims on private sector | 8,727.10 | 10,358.94 | 14,265.01 | 15,450.42 | 16,310.82 |
| Claims on NBFIs | 583.01 | 666.28 | 301.69 | 528.45 | 619.18 |
| Liabilities total | 24,905.37 | 27,908.61 | 24,766.03 | 27,571.83 | 30,367.15 |
| Demand deposit | 13,774.40 | 14,092.56 | 16,635.65 | 17,776.49 | 17,453.85 |
| Time deposit | 4,352.27 | 4,325.56 | 3,363.21 | 3,971.76 | 6,666.38 |
| Foreign currency deposits | 654.74 | 695.90 | 1,016.48 | 657.72 | 542.40 |
| Capital accounts | 2,172.81 | 2,596.51 | 3,046.24 | 3,451.42 | 3,776.93 |
| Other items (net) | 3,951.16 | 6,198.09 | 704.45 | 1,714.43 | 1,927.60 |

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

Source: Royal Monetary Authority of Bhutan, Thimphu.

**Table 12.7: Monetary and Financial Statistics of T-Bank Ltd, December (2010- 2013)**

(Nu. in Million )

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

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

Source: Royal Monetary Authority, Thimphu.

**Table 12.8: Monetary and Financial Statistics: Druk PNB Bank Ltd., December (2010-2013)**

(Nu. in Million )

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

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

Source: Royal Monetary Authority, Thimphu.

**Table 12.9: Monetary and Financial Statistics: Bhutan Insurance Limited, December (2010-2013)**

( Nu. in Million )

| Item | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|
| Assets total | 230.20 | 367.17 | 437.76 | 453.78 |
| Reserves | 60.89 | 23.61 | 32.82 | 47.96 |
| Foreign Assets | 0.00 | 0.00 | 0.00 | 0.00 |
| Rupee | 0.00 | 0.00 | 0.00 | 0.00 |
| Others | 0.00 | 0.00 | 0.00 | 0.00 |
| Domestic Credit | 169.31 | 343.57 | 404.93 | 405.82 |
| Claims on Govt. (Net) | 0.00 | 0.00 | 0.00 | 0.00 |
| Claims on Govt. Corps. | 0.00 | 0.00 | 0.00 | 1.00 |
| Claims on public sector [1] | 0.00 | 0.00 | 0.00 | 0.00 |
| Claims on private sector | 123.31 | 303.57 | 364.93 | 374.82 |
| Claims on NBFIs | 0.00 | 0.00 | 0.00 | 0.00 |
| Claims on DMBs | 46.00 | 40.00 | 40.00 | 30.00 |
| Liabilities total | 230.20 | 367.17 | 437.76 | 453.78 |
| Life fund | 50.01 | 0.00 | 0.00 | 0.00 |
| Private provident funds | 13.16 | 0.00 | 0.00 | 0.00 |
| Group Insurance Fund | 0.00 | 0.00 | 0.00 | 0.00 |
| Credit from DMB | 50.00 | 85.00 | 35.00 | 35.00 |
| Credit from NBFIs | 0.00 | 40.00 | 0.00 | 0.00 |
| Capital accounts | 109.73 | 127.34 | 264.08 | 272.94 |
| Other items (net) | 7.30 | 114.83 | 138.68 | 145.84 |

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

NBFIs stands for Non Bank Financial Institutions; DMBs Deposit Money Banks

Source: Royal Monetary Authority of Bhutan, Thimphu.

**Table 12.10: Investments of Financial Institutions by Industry, Amounts Outstanding, (2009-2013)**

(Nu. in Million )

| Industry | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|
| Agriculture | 403.27 | 499.45 | 843.23 | 1,193.82 | 1,745.42 |
| Bank of Bhutan Ltd | 3.04 | 2.99 | 3.30 | 2.32 | 0.82 |
| Royal Insurance Corporation of Bhutan Ltd | … | … | … | … | … |
| Bhutan Development Bank Ltd | 400.23 | 494.96 | 838.43 | 1,189.90 | 1,741.83 |
| Bhutan National Bank Ltd | … | … | … | … | … |
| Druk PNB Bank Ltd | … | … | 1.50 | 1.60 | 1.32 |
| T Bank Ltd | … | 1.50 | … | … | 1.45 |
| Bhutan Insurance Ltd | … | … | … | … | … |
| Service and Tourism | 3,718.64 | 5,917.77 | 5,239.20 | 6,374.50 | 7,040.60 |
| Bank of Bhutan Ltd | 1,698.16 | 3,076.13 | 1,855.30 | 2,073.00 | 1,780.21 |
| Royal Insurance Corporation of Bhutan Ltd | 72.97 | 126.23 | 78.20 | 110.00 | 148.59 |
| Bhutan Development Bank Ltd | 800.78 | 847.49 | 1,011.10 | 1,289.00 | 1,708.62 |
| Bhutan National Bank Ltd | 1,146.73 | 1,524.53 | 1,842.80 | 2,199.50 | 2,588.65 |
| Druk PNB Bank Ltd | … | 286.70 | 329.00 | 509.10 | 574.80 |
| T Bank Ltd | … | 56.68 | 122.70 | 193.90 | 222.93 |
| Bhutan Insurance Ltd | … | … | 0.00 | 0.00 | 16.80 |
| Manufacturing | 4,727.27 | 5,928.52 | 7,165.30 | 7,819.55 | 9,974.40 |
| Bank of Bhutan Ltd | 1,973.92 | 1,918.05 | 2,360.80 | 2,790.40 | 3,022.83 |
| Royal Insurance Corporation of Bhutan Ltd | 289.18 | 463.13 | 611.70 | 626.10 | 760.56 |
| Bhutan Development Bank Ltd | 453.79 | 513.19 | 533.30 | 605.20 | 714.55 |
| Bhutan National Bank Ltd | 2,010.38 | 2,714.96 | 2,976.20 | 3,016.40 | 4,737.69 |
| Druk PNB Bank Ltd | … | 101.34 | 539.20 | 493.70 | 513.04 |
| T Bank Ltd | … | 217.86 | 110.00 | 243.60 | 201.73 |
| Bhutan Insurance Ltd | … | … | 34.10 | 44.15 | 24.00 |
| Building and construction | 6,615.33 | 8,936.13 | 12,104.60 | 14,475.42 | 15,506.11 |
| Bank of Bhutan Ltd | 1,767.85 | 2,130.60 | 3,593.80 | 4,824.40 | 5,288.66 |
| Royal Insurance Corporation of Bhutan Ltd | 873.05 | 1,545.83 | 1,801.60 | 1,935.80 | 2,001.21 |

*(continued on next page)*

**Table 12.10: Investments of Financial Institutions by Industry, Amounts Outstanding, (2009-2013)** *(continued)*

(Nu. in Million )

| Industry | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|
| Bhutan Development Bank Ltd | 367.62 | 440.43 | 525.20 | 685.90 | 1,013.88 |
| Bhutan National Bank Ltd | 3,606.81 | 4,118.84 | 5,089.70 | 5,710.60 | 5,739.82 |
| Druk PNB Bank Ltd | … | 279.88 | 681.60 | 877.70 | 962.31 |
| T Bank Ltd | … | 410.34 | 409.10 | 434.60 | 492.80 |
| Bhutan Insurance Ltd | … | 10.21 | 3.70 | 6.42 | 7.43 |
| Trade and commerce | 4,478.44 | 5,017.36 | 4,765.90 | 4,379.50 | 7,301.22 |
| Bank of Bhutan Ltd | 769.11 | 668.80 | 1,430.10 | 973.70 | 1,057.31 |
| Royal Insurance Corporation of Bhutan Ltd | 939.64 | 607.20 | 1,427.80 | 1,553.30 | 1,855.23 |
| Bhutan Development Bank Ltd | 304.13 | 325.80 | 408.60 | 534.10 | 803.67 |
| Bhutan National Bank Ltd | 2,465.56 | 2,766.42 | 354.00 | 404.00 | 2,598.98 |
| Druk PNB Bank Ltd | … | 466.91 | 681.50 | 470.30 | 466.38 |
| T Bank Ltd | … | 173.85 | 413.70 | 406.20 | 454.58 |
| Bhutan Insurance Ltd | … | 8.39 | 50.10 | 37.90 | 65.07 |
| Transport | 1,763.90 | 3,196.90 | 4,732.60 | 4,356.56 | 3,246.90 |
| Bank of Bhutan Ltd | 652.10 | 727.30 | 1,114.30 | 1,190.50 | 883.87 |
| Royal Insurance Corporation of Bhutan Ltd | 376.70 | 887.50 | 952.00 | 773.57 | 575.47 |
| Bhutan Development Bank Ltd | 167.70 | 272.50 | 376.60 | 349.58 | 247.55 |
| Bhutan National Bank Ltd | 567.40 | 872.00 | 1,457.20 | 1,281.32 | 955.32 |
| Druk PNB Bank Ltd | … | 170.40 | 242.10 | 214.94 | 158.46 |
| T Bank Ltd | … | 193.90 | 421.10 | 378.01 | 287.30 |
| Bhutan Insurance Ltd | … | 73.20 | 169.30 | 168.64 | 138.93 |
| Personal loans | 3,989.10 | 5,772.05 | 8,055.44 | 8,995.36 | 10,406.62 |
| Bank of Bhutan Ltd | 2,404.04 | 2,437.02 | 4,812.77 | 5,090.82 | 5,397.28 |
| Royal Insurance Corporation of Bhutan Ltd | 360.58 | 1,101.73 | 19.07 | 600.28 | 1,159.18 |
| Bhutan Development Bank Ltd | 292.84 | 723.72 | 835.16 | 1,567.76 | 1,963.78 |
| Bhutan National Bank Ltd | 931.64 | 1,039.14 | 1,082.51 | 732.70 | 884.57 |

*(continued on next page)*

**Table 12.10: Investments of Financial Institutions by Industry, Amounts Outstanding, (2009-2013)** *(continued)*

(Nu. in Million )

| Industry | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|
| Druk PNB Bank Ltd | … | 109.08 | 123.52 | 524.00 | 565.43 |
| T Bank Ltd | … | 361.05 | 714.83 | 406.88 | 371.47 |
| Bhutan Insurance Ltd | … | 0.31 | 467.58 | 72.92 | 64.91 |
| Loan Against Shares | 200.43 | 221.11 | 490.80 | 569.43 | 577.40 |
| Bank of Bhutan Ltd | 28.72 | 1.44 | 159.50 | 144.16 | 130.47 |
| Royal Insurance Corporation of Bhutan Ltd | 21.73 | 54.43 | 25.50 | 28.65 | 41.13 |
| Bhutan Development Bank Ltd | 12.94 | … | … | … | … |
| Bhutan National Bank Ltd | 137.04 | 157.40 | 104.40 | 97.80 | 85.29 |
| Druk PNB Bank Ltd | … | 0.16 | 174.20 | 274.85 | 278.93 |
| T Bank Ltd | … | 7.69 | 19.40 | 16.37 | 12.90 |
| Bhutan Insurance Ltd | … | … | 7.80 | 7.60 | 28.68 |
| Others | … | 12.63 | 4,115.69 | 5,276.10 | 1,661.86 |
| Bank of Bhutan Ltd | … | … | 323.36 | 355.61 | 340.43 |
| Royal Insurance Corporation of Bhutan Ltd | … | … | 19.54 | 21.25 | 15.96 |
| Bhutan Development Bank Ltd | … | … | 24.79 | 26.00 | 306.54 |
| Bhutan National Bank Ltd | … | … | 3,678.07 | 4,417.69 | 576.17 |
| Druk PNB Bank Ltd | … | … | 44.87 | 209.51 | 213.10 |
| T Bank Ltd | … | … | 6.82 | 218.71 | 180.60 |
| Bhutan Insurance Ltd | … | 12.63 | 18.25 | 27.33 | 29.06 |
| Total | 26,283.10 | 36,005.02 | 47,512.70 | 53,440.24 | 57,460.53 |

Loan availed by Ministry of Finance has been reported under Service and Tourism in case of BoB Manufacturing and Industry in case of BNB.
Source: Royal Monetary Authority of Bhutan, Thimphu.

**Table 12.11: Interest Rates of Deposits in Financial Institutions (2009 - 2013)**

(in percent)

| Type of Deposit | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|
| Savings | 4.5 | 4.5 | 4.5 | 5.0 | 5.0 |
| Fixed Deposit | | | | | |
| i) 3 months to less than 1 year | 4.5 | 4.5 | 4.5 | 5.0 | 5.0 |
| ii) 1 year to less than 2 years | 6.0 | 6.0 | 6.0 | 7.0 | 7.0 |
| iii) 2 years to less than 3 years | 6.0 | 6.0 | 6.0 | 7.5 | 7.5 |
| iv) 3 years less than 5 years | 7.0 | 7.0 | 7.0 | 8.0 | 8.0 |
| v) 5 years less than 7 years | 7.0 | 7.0 | 7.0 | 8.5 | 8.5 |
| vi) 7 years and above | 7.0 | 7.0 | 7.0 | 8.8 | 8.8 |
| For Institutions & Companies | | | | | |
| i) 91 days to less than 1 year | 2.0 | 2.0 | 2.0 | 6.5 | 6.5 |
| ii) 1 year to less than 2 years | … | … | … | 7.0 | 7.0 |
| iii) 2 years to less than 3 years | … | … | … | 7.5 | 7.5 |
| iv) 3 years to less than 5 years | … | … | … | 8.0 | 8.0 |
| v) 5 years to less than 7 years | … | … | … | 8.5 | 8.5 |
| vi) 7 years to less than 10 years | … | … | … | 8.5 | 8.5 |
| vii) 10 years to less than 12 years | … | … | … | 8.5 | 8.5 |
| viii) 12 years and above | … | … | … | 8.5 | 8.5 |

Source: Bank of Bhutan, Thimphu

**Table 12.12: Interest Rates and Repayment Period by Sector and Type of Loan, Financial Institutions, Bhutan (2010-2013)**

| Sector | 2010 | | 2011 | | 2012 | | 2013 | |
|---|---|---|---|---|---|---|---|---|
| | 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.) |
| Export Finance | | | | | | | | |
| Convertible Currency (Upto 60 days of credit ) | 13.0 | … | 13.0 | 6 months | 14.0 | 1 year | 14.0 | 1 yr. subject to review renewal |
| Convertible Currency (More than 60 days of credit) | 14.0 | … | 13.0 | 6 months | 15.0 | 2 years | 14.0 | 1 yr. subject to review renewal |
| General Trade | 13.8 | 1.0 | 13.8 | 1 year | 16.0 | 3 years | 14.0 | 1 yr. subject to review renewal |
| Buses and trucks | | | | | | | | |
| Term Loan | 13.0 | 5.0 | 10-11.5 | 3-5 years | 11.73-12.33 | 1-7 years | 11.73-12.33 | 1-7 years |
| Working Capital | 14.0 | 1.0 | 14.0 | 1 year | … | … | ... | ... |
| Other Passenger vehicles | 12.0 | 7.0 | 10-11.5 | 3-5 years | 11.73-12.33 | 1-7 years | 11.73-12.33 | 1-7 years |
| Agriculture and livestock | 13 | 10 | 12 | 5 years | 11.73-12.34 | 1-6 years | 11.73-12.23 | 1-6 years |
| Manufacturing Industry | | | | | | | | |
| Term Loan | 12 | 10 | 12 | 10.0 | 11.73-13.13 | 1-15 years | 11.73-13.13 | 1-15 years |
| Working Capital | 13 | 1 | 13 | 1 year | 11.73-13.14 | 1-15 years | 14 | 1 yr. subject to review renewal |
| Service Industries | | | | | | | | |
| Term Loan | 10 | 10 | 10 | 10 | 11.73-13.14 | 1-15 years | 11.73-13.13 | 1-15 years |
| Working Capital | 12.75 | 1 | 12.75 | 1 year | 11.73-13.14 | 1-15 years | 14 | 1 yr. subject to review renewal |
| Personal Loans | 15 | 5 | 15 | 5 | 15 | 5 years | 15 | 1 year |
| Equity finance | 12 | 5 | 12 | 5 | 11.73-12.23 | 1-6 years | 11.73-12.23 | 1-6 years |
| Housing | | | | | | | | |
| New Construction | 10 | 25 | 10 | 25.0 | 11.73-14.63 | 1-20 years | 12.73-14.63 | 1-20 years |
| Repair/Renovation | 10 | 10 | 10 | 10.0 | 13.0 | 10 years | 12.73-13.63 | 1-10 years |
| Purchase | … | … | … | … | … | … | 12.73-13.13 | 1-15 years |
| Consumer Loans | 12.0 | 7.0 | 12.0 | 7.0 | 11.73-13.33 | 1-7 years | 12.73-13.33 | 1-7 years |

Source: Bank of Bhutan, Thimphu

**Table 12.13: Royal Securities Exchange of Bhutan Ltd. Number of Share Holders at The End of December (2008 - 2013)**

(In Numbers)

| Company | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|
| Bhutan Board Products Ltd. (BBPL) | 491 | 491 | 494 | 494 | 487 | 487 |
| Bhutan Carbide & Chemical Ltd. (BCCL) | 259 | 259 | 259 | 258 | 259 | 259 |
| Bhutan Dairy and Agro Products Ltd. [1] (BDAL) | 96 | 96 | … | … | … | … |
| Bhutan Ferro Alloys Ltd. (BFAL) | 44 | 44 | 43 | 43 | 43 | 43 |
| Bhutan Insurance Ltd. (BIL) | … | 4,432 | 4,393 | 4,310 | 4,445 | 4,395 |
| Bhutan National Bank Ltd. (BNBL) | 4,357 | 4,374 | 4,308 | 4,415 | 4,523 | 4,519 |
| Bhutan Polymers Company Ltd. (BPCL) | 129 | 128 | 128 | 128 | 128 | 128 |
| Bhutan Times Ltd. (BTL) | 288 | 289 | 289 | 289 | 288 | 288 |
| Bhutan Tourism Corpn. Ltd (BTCL) | 162 | 162 | 159 | 158 | 157 | 156 |
| Druk Ferro Alloys Ltd. (DFAL) | … | 366 | 471 | 467 | 460 | 459 |
| Dungsam Polymers Ltd. (DPL) [4] | … | … | … | … | … | 14,833 |
| Druk Mining Ltd. (DML) [2] | 67 | 67 | 67 | … | … | … |
| Druk Petroleum Corpn. Ltd. (DPCL) [3] | 71 | 71 | 71 | … | … | … |
| Druk plaster & Chemicals Ltd. (DPOP) | 213 | 213 | 212 | 214 | 214 | 214 |
| Druk PNB Bank (DPNB) | … | … | 23,216 | 22,540 | 22,564 | 22,378 |
| T Bank Ltd. (TBL) | … | … | … | 8,066 | 7,909 | 7,955 |
| Druk Satair Corporation Ltd. (DSCL) | 1,276 | 1,279 | 1,277 | 1,276 | 1,272 | 1,267 |
| Druk Wang Alloys Ltd. (DWAL) | 504 | 507 | 501 | 498 | 498 | 496 |
| Jigme Mining Corporation Ltd. (JMCL) | 426 | 418 | 418 | 415 | 416 | 418 |
| Kuensel Corporation Ltd. (KCL) | 233 | 233 | 232 | 232 | 232 | 233 |
| Penden Cement Authority Ltd. (PCAL) | 1,472 | 1,462 | 1,467 | 1,456 | 1,449 | 1,447 |
| Royal Insurance Corpn. of Bhutan (RICB) | 1,556 | 1,556 | 1,553 | 1,536 | 1,524 | 1,506 |
| S.D Eastern Bhutan Coal Company Ltd. (EBCC) | 1,082 | 1,082 | 1,081 | 1,075 | 1,074 | 1,069 |
| State Trading Corpn. of Bhutan Ltd. (STCB) | 125 | 125 | 135 | 135 | 135 | 137 |
| Total | 12,851 | 17,654 | 40,774 | 48,005 | 48,077 | 62,687 |

[1] Delisted in June 2010, [2] Delisted in June 2011, [3] Delisted in March 2011, [4] Listed on August 2013
Source: Royal Securities Exchange of Bhutan Ltd, Thimphu.

**Table 12.14: Royal Securities Exchange of Bhutan Ltd. Market Information at the End of December 2013**

| Company | Paid-Up Shares | Price per share (Nu) | Market capitalization (Nu) |
|---|---|---|---|
| Bhutan Board Products Ltd. (BBPL) | 1,400,014 | 100 | 140,001,400.00 |
| Bhutan Carbide & Chemical Ltd. (BCCL) | 1,000,000 | 770 | 770,000,000.00 |
| Bhutan Ferro Alloys Ltd. (BFAL) | 1,500,000 | 600 | 900,000,000.00 |
| Bhutan Insurance Ltd. (BIL) | 2,000,000 | 162 | 324,000,000.00 |
| Bhutan National Bank Ltd. (BNBL) | 25,343,779 | 335 | 8,490,165,965.00 |
| Bhutan Polymers Company Ltd. (BPCL) | 249,334 | 100 | 24,933,400.00 |
| Bhutan Times Ltd. (BTL) | 360,000 | 105 | 37,800,000.00 |
| Bhutan Tourism Corpn. Ltd (BTCL) | 209,400 | 400 | 83,760,000.00 |
| Druk Ferro Alloys Ltd. (DFAL) | 2,897,762 | 300 | 869,328,600.00 |
| Dungsam Polymers Ltd. (DPL) | 827,235 | 240 | 198,536,400.00 |
| Druk plaster & Chemicals Ltd. (DPOP) | 100,000 | 200 | 20,000,000.00 |
| Druk PNB Bank (DPNB) | 4,493,923 | 297 | 1,334,695,131.00 |
| T Bank Ltd. (TBL) | 3,000,000 | 150 | 450,000,000.00 |
| Druk Satair Corporation Ltd. (DSCL) | 913,086 | 300 | 273,925,800.00 |
| Druk Wang Alloys Ltd. (DWAL) | 1,940,000 | 450 | 873,000,000.00 |
| Jigme Mining Corporation Ltd. (JMCL) | 568,763 | 850 | 483,448,550.00 |
| Kuensel Corporation Ltd. (KCL) | 500,000 | 120 | 60,000,000.00 |
| Penden Cement Authority Ltd. (PCAL) | 3,400,007 | 700 | 2,380,004,900.00 |
| Royal Insurance Corpn. of Bhutan (RICB) | 2,400,000 | 700 | 1,680,000,000.00 |
| S.D Eastern Bhutan Coal Company Ltd. (EBCC) | 521,000 | 344 | 179,224,000.00 |
| State Trading Corpn. of Bhutan Ltd. (STCB) | 1,800,016 | 200 | 360,003,200.00 |
| Total | 55,424,319 | | 19,932,827,346.00 |

Source: Royal Securities Exchange of Bhutan Ltd. Thimphu.

**Table 12.15: Royal Securities Exchange of Bhutan Ltd.Total Traded Volume at The End of December (2008 - 2013)**

(Numbers)

| Company | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|
| Bhutan Board Products Ltd. (BBPL) | 100 | … | … | … | … | 10,100 |
| Bhutan Carbide & Chemicals Ltd.(BCCL) | 970 | 20,000 | … | … | 84 | 20 |
| Bhutan Dairy and Agro Products Ltd. (BDAL) [1] | … | … | 50 | … | … | … |
| Bhutan Ferro Alloys Ltd.(BFAL) | 534 | … | 50 | … | … | … |
| Bhutan Insurance Ltd.(BIL) | .. | 1,001,428 | 32,247 | 19,981 | 1,024,815 | 171,831 |
| Bhutan National Bank Ltd. (BNBL) | 2,413,164 | 187,789 | 26,913 | 3,329,839 | 14,116,796 | 5,589,791 |
| Bhutan Polymers Company Ltd.(BPCL) | … | … | … | … | … | … |
| Bhutan Times Ltd.(BTL) | … | 300 | … | … | … | … |
| Bhutan Tourism Corpn. Ltd(BTCL) | 19,160 | … | 80 | 60 | … | 40 |
| Druk Ferro Alloys Ltd.(DFAL) | 1,222,600 | … | 1,973,715 | 2,650 | 50,150 | 4,050 |
| Dungsam Polymers Ltd.(DPL) | … | … | … | … | … | 858,983 |
| Druk Plaster & Chemicals Ltd. (DPOP) | … | … | … | … | … | … |
| Druk PNB Bank Ltd.(DPNB) | … | … | 3,029,820 | 27,950 | 1,504,829 | 37,561 |
| T Bank Ltd. (TBL) | … | … | … | 2,384,948 | 40,897 | 826,699 |
| Druk Satair Corpn. Ltd.(DSCL) | … | … | 456,543 | … | … | … |
| Druk Wang Alloys Ltd.(DWAL) | 1,252,500 | 270,000 | 11,450 | 970 | 650 | 1,175 |
| Jigme Mining Corporation Ltd.(JMCL) | 199,180 | 143,053 | … | 144,331 | 1,277 | 801 |
| Kuensel Corporation Ltd.(KCL) | 216 | … | … | … | 978 | 432 |
| Penden Cement Authority Ltd.(PCAL) | 1,134,737 | 50,895 | 1,220 | 5,490 | 1,440 | 3,585 |
| Royal Insurance Corpn. of Bhutan Ltd.(RICB) | 3,500 | 1,440,550 | 1,350 | 4,450 | 5,160 | 3,250 |
| S.D Eastern Bhutan Coal Company Ltd.(EBCC) | 2,986 | .. | 150.0 | 486.0 | 1,261 | 1,000 |
| State Trading Corpn. of Bhutan Ltd.(STCB) | 30 | 200 | 209,800 | 200,003 | 300,005 | 900,448 |
| Total | 6,249,677 | 3,114,215 | 5,743,388 | 6,121,158 | 17,048,342 | 8,409,766 |

Total traded volume is inclusive of Initial Public Offering (IPO), Secondary trading and Corporate actions,
[1] Delisted in June 2010
Source: Royal Securities Exchange of Bhutan Ltd. Thimphu

**Table 12.16: Royal Securities Exchange of Bhutan Ltd. Traded Values (2008 - 2013)**

(In Million Nu.)

| Company | Capital Market | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|---|
| Bhutan Board Products Ltd. (BBPL) | Primary | … | … | … | … | … | … |
| | Secondary | … | … | … | … | … | 1.01 |
| Bhutan Carbide & Chemicals Ltd. (BCCL) | Primary | … | … | … | … | … | … |
| | Secondary | … | 18.00 | … | … | 0.08 | 0.02 |
| Bhutan Ferro-Alloys Ltd. (BFAL) | Primary | … | … | … | … | … | … |
| | Secondary | … | … | 0.03 | … | … | … |
| Bhutan National Bank Ltd. (BNBL) | Primary | … | … | … | … | … | … |
| | Secondary | 21.00 | 76.45 | 12.03 | 60.97 | 181.13 | 165.38 |
| Bhutan Polymers Company Ltd. (BPCL) | Primary | … | … | … | … | … | … |
| | Secondary | … | … | … | … | … | … |
| Bhutan Tourism Corpn. Ltd (BTCL) | Primary | … | … | … | … | … | … |
| | Secondary | 5.75 | … | 0.03 | 0.02 | … | 0.02 |
| Bhutan Times Ltd. (BTL) | Primary | … | … | … | … | … | … |
| | Secondary | … | 0.03 | … | … | … | … |
| Druk plaster & Chemicals Ltd. (DPOP) | Primary | … | … | … | … | … | … |
| | Secondary | … | … | … | … | … | … |
| Druk Satair Corpn. Ltd. (DSCL) | Primary | … | … | … | … | … | … |
| | Secondary | … | … | … | … | … | … |
| Druk PNB Bank Ltd. (DPNB) | Primary | … | … | 300.00 | … | … | … |
| | Secondary | … | … | 8.81 | 9.67 | 5.03 | 11.78 |
| T Bank Ltd.(TBL) | Primary | … | … | … | 220.00 | … | … |
| | Secondary | … | … | … | 48.75 | 10.71 | 4.94 |
| Druk Wang Alloys Ltd.(DWAL) | Primary | 125.25 | 27.00 | … | … | … | … |
| | Secondary | … | … | 2.28 | 0.54 | 0.37 | 0.53 |
| S.D Eastern Bhutan Coal Company Ltd.(EBCC) | Primary | … | … | … | … | … | … |
| | Secondary | 0.54 | … | 0.05 | 0.15 | 0.38 | 0.34 |

*(continued on next page)*

**Table 12.16: Royal Securities Exchange of Bhutan Ltd. Traded Values (2008 - 2013)** *(continued)*

(In Million Nu.)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Kuensel corporation Ltd.(KCL) | Primary | … | … | … | … | … | … |
| | Secondary | 0.02 | … | … | … | 0.13 | 0.05 |
| Penden Cement Authority Ltd. (PCAL) | Primary | … | … | … | … | … | … |
| | Secondary | 1.12 | 37.05 | 0.92 | 4.55 | 1.32 | 2.39 |
| Royal Insurance Corpn. of Bhutan Ltd.(RICB) | Primary | … | … | … | … | … | … |
| | Secondary | 1.46 | 0.19 | 0.47 | 1.91 | 2.77 | 1.72 |
| State Trading Corpn. of Bhutan Ltd.(STCB) | Primary | … | … | … | … | … | … |
| | Secondary | 0.01 | 0.04 | 1.86 | … | … | 0.09 |
| Jigme Mining Corporation Ltd. (JMCL) | Primary | 19.90 | … | … | … | … | … |
| | Secondary | 0.14 | 0.45 | … | 1.44 | 0.89 | 0.59 |
| Druk Ferro Alloys Ltd.(DFAL) | Primary | 122.26 | … | … | … | … | … |
| | Secondary | … | … | 115.04 | 0.43 | 10.02 | 0.87 |
| Dungsam Polymers Ltd. (DPL) | Primary | … | … | … | … | … | 136.49 |
| | Secondary | … | … | … | … | … | 8.34 |
| Bhutan Insurance Ltd.(BIL) | Primary | … | 100.00 | … | … | … | … |
| | Secondary | … | 0.15 | 4.36 | 4.47 | 6.27 | 31.76 |
| Total | | 297.45 | 259.36 | 445.88 | 352.90 | 219.10 | 366.32 |

Source: Royal Securities Exchange of Bhutan Ltd.Thimphu

**Table 12.17: Dividend Declared by the Company (2009-2013)**

(In Percent)

| Company | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|
| Bhutan Board Products Ltd. (BBPL) | 15 | 15 | 12 | … | 10 |
| Bhutan Carbide & Chemicals Ltd.(BCCL) | … | 20 | 10 | 25 | 40 |
| Bhutan Ferro Alloys Ltd.(BFAL) | 50 | 85 | 65 | 60 | 65 |
| Bhutan Insurance Ltd.(BIL) | … | 7.50 | 15 | 9.50 | 10 |
| Bhutan Times Ltd.(BTL) | … | … | … | … | … |
| Bhutan National Bank Ltd.(BNBL) | 28.50 | 28.50 | - | 16.64 | 7.66 |
| Bhutan Polymers Company Ltd.(BPCL) | 35 | 30 | 10 | 5 | 8 |
| Bhutan Tourism Corpn. Ltd (BTCL) | … | 20 | 25 | 25 | 25 |
| Druk Ferro Alloys Ltd.(DFAL) | … | 17 | 23 | 17 | 20 |
| Druk PNB Bank Ltd.(DPNB) | … | … | … | 6 | 7 |
| Druk Plaster & Chemicals Ltd.(DPOP) | 30 | 60 | 15 | 25 | 10 |
| Druk Satair Corpn. Ltd.(DSCL) | 100 | 60 | 75 | 70 | 100 |
| Druk Mining Ltd. (DML) [1] | … | 50 | … | … | … |
| Druk Wang Alloys Ltd.(DWAL) | … | 40 | 60 | 30 | 50 |
| S.D Eastern Bhutan Coal Company Ltd.(EBCC) | 30 | 60 | 65 | 75 | 200 |
| Jigme Mining Corporation Ltd.(JMCL) | 70 | 100 | 100 | 100 | 125 |
| Kuensel Corporation Ltd.(KCL) | 12 | 18 | 20 | 12 | … |
| Penden Cement Authority Ltd.(PCAL) | 100 | 100 | 100 | 100 | 90 |
| Royal Insurance Corpn. of Bhutan Ltd.(RICB) | 15 | 25 | 30 | 35 | 45 |
| T Bank Ltd. (TBL) | … | … | … | … | … |
| State Trading Corpn. of Bhutan Ltd.(STCB) | 10 | 25 | 20 | … | … |
| Dungsam Polymers Ltd.(DPL) | … | … | … | … | … |

[1] Delisted in June 2011

Source: Royal Securities Exchange of Bhutan Ltd, Thimphu.

**Table 12.18 Bonus/Rights/Employee Stock Options (ESoP)/Off Market Transaction (2009 - 2013)**

(No. of shares)

| Company | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|
| Druk Ferro Alloys Ltd.(DFAL) | … | 1,267,632 | … | … | … |
| Bhutan National Bank Ltd.(BNBL) | … | … | 3,203,166 | 13,516,682 | 5,068,756 |
| Druk Satair Corpn. Ltd.(DSCL) | … | 456,543 | … | … | … |
| Jigme Mining Corporation Ltd. (JMCL) | 142,232 | … | 142,231 | … | … |
| Royal Insurance Corpn. of Bhutan Ltd.(RICB) | 1,440,000 | … | … | … | … |
| State Trading Corpn. of Bhutan Ltd. (STCB) | … | 200,000 | 200,003 | 300,005 | 900,008 |
| T Bank Ltd. (TBL) | … | … | … | … | 800,000 |
| Druk PNB Bank Ltd.(DPNB) | … | … | … | 1,490,273 | 3,650 |
| Bhutan Insurance Ltd.(BIL) | … | … | … | 1,000,000 | … |
| Total | 1,582,232 | 1,924,175 | 3,545,400 | 16,306,960 | 6,772,414 |

Source: Royal Securities Exchange of Bhutan Ltd, Thimphu.

# PUBLIC FINANCE

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

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

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

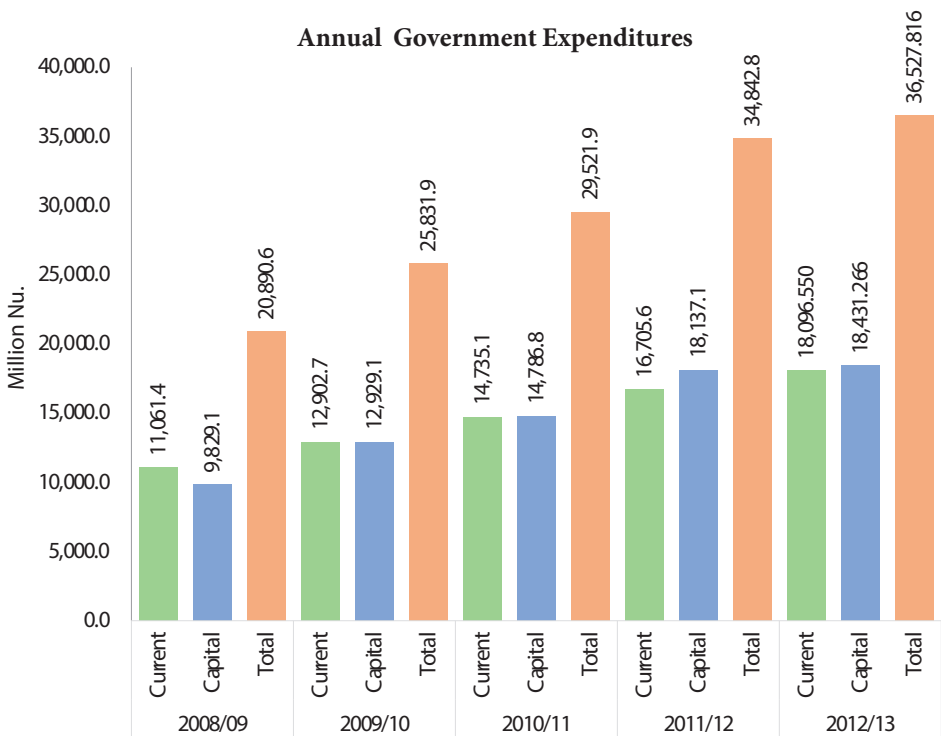


**Table 13.1: Annual Current Expenditure of the Government by Agency, 2008/09 To 2012/13**

(Nu. in million)

| Agency | 2008/09 | 2009/10 | 2010/11 | 2011/12 | 2012/13 |
|---|---|---|---|---|---|
| Ministry | 6,236.157 | 6,973.991 | 7,770.973 | 9,234.328 | 10,095.127 |
| Ministry of Home & Cultural Affairs | 822.521 | 869.557 | 1,041.934 | 1,244.784 | 1,294.970 |
| Ministry of Finance | 2,678.361 | 2,805.830 | 2,996.694 | 3,702.939 | 4,404.295 |
| Ministry of Foreign Affairs | 255.461 | 325.217 | 393.283 | 484.038 | 516.263 |
| Ministry of Agriculture & Forests | 828.683 | 1,011.577 | 1,159.474 | 1,326.203 | 1,381.678 |
| Ministry of Economic Affairs | 169.171 | 208.542 | 248.340 | 258.384 | 248.740 |
| Ministry of Works & Human Settlement | 332.169 | 355.978 | 372.668 | 406.098 | 417.044 |
| Ministry of Information & Communications | 111.461 | 137.873 | 148.166 | 271.947 | 184.330 |
| Ministry of Health | 751.463 | 886.667 | 1,034.469 | 1,196.972 | 1,294.622 |
| Ministry of Education | 154.713 | 218.771 | 199.159 | 164.762 | 168.101 |
| Ministry of Labour & Human Resources | 132.154 | 153.979 | 176.786 | 178.201 | 185.084 |
| Judiciary | 113.716 | 145.652 | 172.058 | 189.337 | 206.721 |
| Constitutional Bodies | 108.908 | 143.017 | 234.367 | 381.224 | 589.405 |
| Royal Civil Service Commission | 19.936 | 25.622 | 32.845 | 35.070 | 38.962 |
| Anti-Corruption Commission | 11.888 | 19.487 | 24.585 | 29.590 | 35.595 |
| Election Commission of Bhutan | 18.951 | 22.110 | 86.516 | 213.263 | 412.871 |
| Royal Audit Authority | 58.132 | 75.798 | 90.421 | 103.301 | 101.977 |
| Autonomous Bodies | 1,370.997 | 1,610.992 | 1,928.608 | 1,687.296 | 1,734.889 |
| His Majesty's Secretariat | 30.222 | 49.106 | 50.923 | 36.211 | 30.349 |
| His Majesty's Secretariat (4th King) | 15.608 | 16.671 | 17.667 | 17.671 | 18.759 |
| National Assembly of Bhutan | 51.320 | 60.155 | 75.832 | 88.307 | 95.939 |
| National Council of Bhutan | 33.834 | 43.596 | 49.899 | 55.209 | 63.601 |
| Council For Religious Affairs | 373.186 | 398.528 | 437.381 | 472.200 | 484.073 |
| Cabinet Secretariat | 39.825 | 36.728 | 33.217 | 39.297 | 50.461 |
| Office of The Attorney General | 11.904 | 12.832 | 17.071 | 17.458 | 19.252 |
| Bhutan Olympic Committee | 29.830 | 29.069 | 29.822 | 32.252 | 38.918 |

*(continued on next page)*

**Table 13.1: Annual Current Expenditure of the Government by Agency, 2008/09 To 2012/13** *(continued)*

(Nu. in million)

| Agency | 2008/09 | 2009/10 | 2010/11 | 2011/12 | 2012/13 |
|---|---|---|---|---|---|
| Dzongkha Development Commission | 11.883 | 13.477 | 17.129 | 16.634 | 14.822 |
| National Land Commission | 114.127 | 147.482 | 237.637 | 242.243 | 218.607 |
| Centre For Bhutan Studies And GNH Research | 13.887 | 23.908 | 24.015 | 16.026 | 17.960 |
| Gross National Happiness Commission | 27.161 | 29.474 | 32.253 | 35.142 | 34.384 |
| National Environment Commission | 16.537 | 19.407 | 19.719 | 27.256 | 27.151 |
| Royal Institute of Management | 25.056 | 36.690 | 39.534 | 44.061 | 41.530 |
| Royal University of Bhutan | 300.571 | 328.394 | 393.042 | 0.000 | 0.000 |
| National Statistics Bureau | 14.600 | 19.754 | 20.081 | 27.315 | 26.669 |
| Bhutan Narcotic Control Agency | 4.701 | 8.924 | 9.613 | 11.887 | 11.494 |
| Bhutan Information Communication Media Authority | 6.652 | 11.881 | 12.628 | 14.307 | 14.227 |
| Thromdeys | 207.840 | 260.890 | 316.193 | 334.632 | 344.203 |
| Drug Regulatory Authority | 3.099 | 4.374 | 7.009 | 7.784 | 8.113 |
| Tourism Council of Bhutan | 28.970 | 32.783 | 52.593 | 46.050 | 47.118 |
| National Commission For Women & Children | 10.183 | 14.730 | 15.185 | 18.441 | 13.869 |
| Royal Education Council | … | 12.142 | 20.165 | 17.968 | 19.001 |
| Bhutan Council For School Examination & Assessment | … | … | … | 59.452 | 61.538 |
| Royal Privy Council | … | … | … | 9.493 | 8.288 |
| Bhutan Standard Bureau | … | … | … | … | 24.563 |
| Dzongkhag Administration | 3,124.514 | 3,898.424 | 4,495.647 | 5,052.937 | 5,285.211 |
| Gewog Administration | 107.141 | 130.608 | 133.424 | 160.529 | 185.206 |
| Total Expenditure | 11,061.433 | 12,902.684 | 14,735.077 | 16,705.651 | 18,096.559 |

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

**Table 13.2: Annual Capital Expenditure of the Government by Agency, 2008/09 To 2012/13**

(Nu. in million)

| Agency | 2008/09 | 2009/10 | 2010/11 | 2011/12 | 2012/13 |
|---|---|---|---|---|---|
| Ministry | 7,245.156 | 8,365.016 | 8,285.279 | 10,180.910 | 11,053.986 |
| Ministry of Home & Cultural Affairs | 327.870 | 435.859 | 538.049 | 713.135 | 619.224 |
| Ministry of Finance | 2,195.492 | 981.471 | 931.333 | 1,243.859 | 1,425.346 |
| Ministry of Foreign Affairs | 16.735 | 28.023 | 22.899 | 155.582 | 21.592 |
| Ministry of Agriculture & Forests | 629.237 | 776.698 | 627.826 | 756.363 | 1,188.594 |
| Ministry of Economic Affairs | 658.182 | 839.680 | 1641.957 | 610.754 | 525.508 |
| Ministry of Works & Human Settlement | 2,076.061 | 3,702.069 | 2403.801 | 3,666.457 | 4,247.685 |
| Ministry of Information & Communications | 80.510 | 380.534 | 1034.758 | 1,311.630 | 1,140.182 |
| Ministry of Health | 591.514 | 470.375 | 387.956 | 477.007 | 504.815 |
| Ministry of Education | 571.006 | 579.699 | 529.922 | 959.351 | 1,144.178 |
| Ministry of Labour & Human Resources | 98.549 | 170.608 | 166.778 | 286.772 | 236.862 |
| Judiciary | 58.508 | 132.061 | 85.211 | 341.032 | 434.457 |
| Constitutional Bodies | 137.383 | 180.529 | 151.458 | 216.531 | 210.693 |
| Royal Civil Service Commission | 90.629 | 124.542 | 98.796 | 110.159 | 103.601 |
| Anti-Corruption Commission | 18.742 | 21.447 | 29.004 | 40.406 | 44.934 |
| Election Commission of Bhutan | 13.307 | 16.061 | 9.918 | 22.078 | 29.122 |
| Royal Audit Authority | 14.705 | 18.479 | 13.74 | 43.888 | 33.036 |
| Autonomous Bodies | 619.536 | 1,380.141 | 1,674.566 | 1,628.565 | 2,066.471 |
| His Majesty's Secretariat | 64.095 | 13.553 | 7.409 | 5.675 | 5.302 |
| His Majesty's Secretariat (4th King) | 0.180 | 0.166 | 0.211 | 1.478 | - |
| National Assembly of Bhutan | 32.338 | 3.601 | 7.822 | 5.476 | 9.129 |
| National Council of Bhutan | 26.139 | 7.078 | 3.034 | 6.129 | 17.770 |
| Council For Religious Affairs | 49.686 | 57.397 | 96.482 | 173.505 | 245.803 |
| Cabinet Secretariat | 4.973 | 2.422 | 12.37 | 16.372 | 7.007 |

*(continued on next page)*

**Table 13.2: Annual Capital Expenditure of the Government by Agency, 2008/09 To 2012/13** *(continued)*

(Nu. in million)

| Agency | 2008/09 | 2009/10 | 2010/11 | 2011/12 | 2012/13 |
|---|---|---|---|---|---|
| Office of The Attorney General | 4.326 | 5.449 | 2.279 | 24.659 | 30.332 |
| Bhutan Olympic Committee | 2.432 | 9.536 | 20.316 | 16.817 | 21.871 |
| Dzongkha Development Commission | 2.879 | 3.375 | 6.518 | 6.632 | 5.580 |
| National Land Commission | 80.747 | 134.171 | 111.988 | 165.981 | 181.638 |
| Centre For Bhutan Studies And GNH Research | 2.399 | 4.678 | 0.63 | 3.250 | 2.912 |
| Gross National Happiness Commission | 48.009 | 313.803 | 237.555 | 56.187 | 59.031 |
| National Environment Commission | 29.002 | 56.666 | 35.221 | 56.709 | 34.530 |
| Royal Institute of Management | 35.728 | 17.132 | 34.527 | 80.623 | 71.761 |
| Royal University of Bhutan | 123.477 | 381.084 | 576.057 | 721.113 | 994.646 |
| National Statistics Bureau | 10.511 | 27.013 | 3.732 | 7.857 | 30.435 |
| Bhutan Narcotic Control Agency | 2.221 | 2.199 | 1.77 | 4.324 | 1.401 |
| Bhutan Information Communication Media Authority | 7.989 | 190.582 | 131.176 | 40.098 | 100.681 |
| Thromdeys | 12.668 | 28.567 | 58.531 | 74.850 | 66.002 |
| Drug Regulatory Authority | 2.024 | 2.788 | 0.811 | 3.538 | 3.200 |
| Tourism Council Of Bhutan | 72.932 | 96.453 | 259.061 | 86.644 | 106.380 |
| National Commission For Women & Children | 4.783 | 2.035 | 1.91 | 11.373 | 19.650 |
| Royal Education Council | … | 20.393 | 65.156 | 50.077 | 36.371 |
| Bhutan Council For School Examination & Assessment | … | … | … | 9.012 | 6.638 |
| Royal Privy Council | … | … | … | 0.186 | 2.896 |
| Bhutan Standard Bureau | … | … | … | … | 5.505 |
| Dzongkhag Administration | 1,209.203 | 1,970.864 | 3,047.693 | 3,381.981 | 3,089.335 |
| Gewog Administration | 559.357 | 900.532 | 1,542.639 | 2,388.097 | 1,576.328 |
| Total Expenditure | 9,829.144 | 12,929.143 | 14,786.846 | 18,137.116 | 18,431.270 |

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

## Table 13.3: Sectoral Government Expenditures, 2008/09 To 2012/13

(Nu. in million)

| Sectors | 2008/09 | | 2009/10 | | 2010/11 | | 2011/12 | | 2012/13 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Current | Capital | Current | Capital | Current | Capital | Current | Capital | Current | Capital |
| Social Services | 3,596.681 | 1,939.296 | 4,517.886 | 2,499.560 | 5,201.642 | 3,051.946 | 5,409.868 | 4,269.844 | 5,746.016 | 4,315.158 |
| Health | 1,131.855 | 798.629 | 1,364.249 | 787.540 | 1,544.741 | 744.163 | 1,783.509 | 1,171.162 | 1,920.165 | 1,031.632 |
| Education | 2,464.826 | 1,140.667 | 3,153.637 | 1,712.020 | 3,656.901 | 2,307.783 | 3,626.359 | 3,098.682 | 3,825.851 | 3,283.526 |
| Economic Services | 1,818.433 | 3,663.809 | 2,165.263 | 6,530.493 | 2,417.598 | 7,806.124 | 2,766.797 | 8,650.046 | 2,767.982 | 8,730.784 |
| Agriculture | 1,144.488 | 1,127.704 | 1,374.255 | 1,715.041 | 1,495.946 | 2,353.152 | 1,686.597 | 3,047.616 | 1,738.608 | 3,009.251 |
| Mining & Manuft. Industries | 111.032 | 71.106 | 145.863 | 60.592 | 175.466 | 61.940 | 182.052 | 57.114 | 175.954 | 101.874 |
| Transport & Communication | 343.649 | 1,706.441 | 395.704 | 3,708.711 | 437.359 | 3,381.552 | 579.149 | 4,601.973 | 526.376 | 4,848.729 |
| Energy | 47.623 | 585.422 | 50.094 | 776.029 | 56.603 | 1,571.070 | 60.303 | 540.305 | 60.749 | 417.011 |
| Other Economic Services | 171.641 | 173.136 | 199.347 | 270.120 | 252.224 | 438.410 | 258.696 | 403.038 | 266.295 | 353.919 |
| Housing & Public Amenities | 296.356 | 595.313 | 336.889 | 858.670 | 304.793 | 763.497 | 307.224 | 764.139 | 320.050 | 904.185 |
| General Services | 4,037.265 | 3,036.482 | 4,495.521 | 2,168.544 | 5,134.601 | 2,045.658 | 6,297.432 | 2,825.491 | 7,241.650 | 2,861.621 |
| General Public Service | 2,303.433 | 3,036.482 | 2,247.304 | 1,555.430 | 2,737.975 | 1,448.230 | 3,285.159 | 1,957.466 | 3,520.594 | 1,910.982 |
| National Debt Services | 1,733.832 | 0.000 | 2,248.217 | 613.114 | 2,396.626 | 597.428 | 3,012.273 | 868.025 | 3,721.056 | 950.639 |
| Religion & Culture Services | 498.715 | 274.340 | 511.319 | 442.363 | 538.104 | 631.033 | 582.809 | 854.099 | 596.965 | 958.621 |
| Public Order & Safety Services | 813.983 | 319.904 | 875.836 | 429.513 | 1,138.326 | 488.590 | 1,341.518 | 773.497 | 1,423.887 | 660.897 |
| Total Expenditure | 11,061.433 | 9,829.144 | 12,902.714 | 12,929.143 | 14,735.064 | 14,786.848 | 16,705.648 | 18,137.116 | 18,096.550 | 18,431.266 |

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

**Table 13.4: Summary of National Revenue of the Government by Source, Bhutan, 2008/09 To 2012/13**

(Nu. in Million)

| By Source | 2008/09 | 2009/10 | 2010/11 | 2011/12 | 2012/13 |
|---|---|---|---|---|---|
| Tax Revenue | 6,482.41 | 9,655.78 | 11,593.49 | 14,676.93 | 15,403.12 |
| Direct Tax | 4,328.73 | 6,989.91 | 8,025.58 | 8,987.04 | 9,390.04 |
| Corporate Tax | 2,340.94 | 4,710.10 | 5,109.89 | 5,186.09 | 4,864.28 |
| Business Income Tax | 553.43 | 707.30 | 1,109.88 | 1,299.15 | 1,690.63 |
| Personal Income Tax | 387.48 | 566.98 | 704.93 | 925.18 | 1,112.05 |
| Other Tax Revenue | 1,046.89 | 1,005.54 | 1,100.89 | 1,576.62 | 1,723.08 |
| Motor Vehicle Tax | 117.49 | 135.72 | 177.46 | 209.55 | 218.11 |
| Business & Prof. licences | 65.47 | 57.58 | 65.87 | 75.57 | 79.56 |
| Airport Tax | 25.90 | 28.97 | 35.08 | 42.05 | 44.41 |
| Dzongkhag Municipal Tax | 9.70 | 9.85 | 5.92 | 3.33 | 3.68 |
| Health Contribution | 71.28 | 92.80 | 105.17 | 131.48 | 145.83 |
| Royalties | 757.05 | 680.61 | 711.38 | 1,114.62 | 1,231.49 |
| Indirect Tax | 2,153.68 | 2,665.87 | 3,567.90 | 5,689.89 | 6,013.08 |
| Sales Tax | 918.24 | 1,191.77 | 1,636.41 | 2,392.36 | 2,171.03 |
| Excise Duty | 1,040.69 | 1,262.76 | 1,605.34 | 2,836.92 | 3,481.83 |
| Custom Duty | 177.96 | 195.68 | 305.95 | 438.38 | 305.54 |
| Other Tax Revenue | 16.79 | 15.67 | 20.20 | 22.23 | 54.69 |
| Non Tax Revenue | 7,566.63 | 5,982.65 | 5,865.31 | 5,677.53 | 5,698.57 |
| Admin.Fees & Charges | 236.77 | 284.12 | 389.93 | 336.75 | 331.06 |
| Capital Revenue | 96.42 | 93.49 | 93.32 | 105.84 | 88.89 |
| Revenue from Govt. Dept | 194.76 | 203.63 | 236.93 | 300.63 | 342.61 |
| Dividend | 1,915.09 | 3,018.84 | 2,997.21 | 2,946.90 | 3,035.78 |
| Net Surplus Transfer | 3,394.54 | 656.73 | 398.09 | 254.25 | 0.00 |
| Other Non-Tax Revenue | 33.77 | 31.61 | 18.68 | 68.74 | 84.27 |
| Interest Receipt from Corporations | 1,695.28 | 1,694.24 | 1,731.17 | 1,664.42 | 1,815.95 |
| Total Revenue | 14,049.04 | 15,638.43 | 17,458.80 | 20,354.46 | 21,101.69 |

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

**Table 13.5: Fiscal Framework of Government, Bhutan 2008/09 To 2012/13**

(Nu. in Millions)

| Item | 2008/09 | 2009/10 | 2010/11 | 2011/12 | 2012/13 |
|---|---|---|---|---|---|
| Revenue & Grants | 23,442.997 | 30,990.676 | 28,171.759 | 32,646.355 | 30,656.117 |
| Domestic Revenue | 14,049.039 | 15,638.434 | 17,458.797 | 20,354.462 | 21,101.691 |
| Tax revenue | 6,482.408 | 9,655.781 | 11,593.486 | 14,676.929 | 15,403.118 |
| Non-tax revenue | 7,566.631 | 5,982.653 | 5,865.311 | 5,677.533 | 5,698.573 |
| Grants | 6,575.069 | 11,118.877 | 10,497.727 | 12,501.520 | 9,562.636 |
| India | 4,394.879 | 7,306.388 | 7,882.768 | 9,003.442 | 4,693.402 |
| Others | 2,180.190 | 3,812.489 | 2,614.959 | 3,498.078 | 4,869.234 |
| Other receipts | 2,818.889 | 4,233.365 | 215.235 | (209.627) | (8.210) |
| Outlay | 22,350.540 | 29,888.991 | 29,842.451 | 33,688.009 | 34,900.809 |
| Total Expenditure | 20,890.580 | 25,831.828 | 29,521.923 | 34,842.762 | 36,527.815 |
| Current | 11,061.427 | 12,902.689 | 14,735.077 | 16,705.648 | 18,096.551 |
| Capital | 9,829.153 | 12,929.139 | 14,786.846 | 18,137.114 | 18,431.264 |
| Net lending (NL) | (1,580.301) | (400.374) | (906.605) | (1,036.573) | (739.889) |
| Advance/Suspense (Net) | 196.356 | 334.728 | 1,227.133 | (118.180) | (887.117) |
| Other Payments | 2,843.905 | 4,122.809 | … | … | … |
| Fiscal Balance | 1,092.457 | 1,101.685 | (1,670.692) | (1,041.654) | (4,244.692) |
| Financing | (1,092.457) | (1,101.685) | 1,670.692 | 1,041.654 | 4,244.692 |
| Net Borrowings | (1,218.708) | 81.986 | 293.970 | (1,007.147) | 492.306 |
| Borrowings | 832.923 | 2,817.511 | 3,110.010 | 6,212.866 | 16,463.456 |
| Repayments | 2,051.631 | 2,735.525 | 2,816.040 | 7,220.013 | 15,971.150 |
| Resource Gap | (126.251) | 1,183.670 | (1,376.722) | (2,048.801) | (3,752.386) |

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

**Table 13.6: Revenue Collection by Sector, 2008/09 To 2012/13**

(Nu. in Millions)

| Sector | 2008/09 | 2009/10 | 2010/11 | 2011/12 | 2012/13 |
|---|---|---|---|---|---|
| Primary (Agriculture) | 191.42 | 209.42 | 368.02 | 375.85 | 372.31 |
| Industry | 6,288.48 | 4,210.79 | 4,476.27 | 4,205.12 | 4,307.93 |
| Manufacturing | 562.80 | 420.76 | 658.34 | 592.57 | 602.77 |
| Electricity | 5,725.68 | 3,790.03 | 3,817.92 | 3,612.55 | 3,705.16 |
| Service | 5,558.46 | 6,245.14 | 7,472.56 | 10,511.49 | 11,291.41 |
| Services (Transport, communication, hotel & restaurant) | 1,909.95 | 1,938.93 | 2,042.12 | 2,498.07 | 2,739.81 |
| Trade | 2,789.40 | 3,464.45 | 4,882.97 | 7,166.66 | 7,816.84 |
| Finance | 859.12 | 841.76 | 547.47 | 846.75 | 734.76 |
| Gross Sectoral Revenue Collection [1] | 12,038.35 | 10,665.34 | 12,316.84 | 15,092.46 | 15,971.65 |

[1] Sectoral revenue are based on gross collection and excludes PIT collections, Druk Holding Investment (DHI) dividends and interest receipts on loan from corporations.
Source: National Revenue Report, Department of Revenue & Customs, Ministry of Finance.

**Table 13.7: Government Debt Stock & Debt Service, 2008/09 To 2012/2013**

(Nu. in Millions)

| Debt | 2008/09 | 2009/10 | 2010/11 | 2011/12 | 2012/13 |
|---|---|---|---|---|---|
| Total Public Debt | 34,759.03 | 36,788.48 | 48,619.18 | 62,813.11 | 101,310.19 |
| Domestic Debt | 1,227.12 | 1,051.82 | 876.51 | 1,092.55 | 6,342.72 |
| External Debt | 33,531.91 | 35,736.67 | 47,742.67 | 61,720.56 | 94,967.47 |
| Indian Rupee Debt | 17,483.39 | 18,277.57 | 24,647.54 | 32,546.30 | 60,826.65 |
| Convertible Currency Debt | 16,048.52 | 17,459.10 | 23,095.13 | 29,174.26 | 34,140.82 |
| Total Debt Service | 3,864.02 | 4,478.71 | 4,610.09 | 9,106.05 | 19,659.64 |
| Domestic | 253.86 | 742.92 | 733.88 | 5,067.55 | 13,253.95 |
| External | 3,610.16 | 3,735.79 | 3,876.21 | 4,038.50 | 6,405.69 |
| Interest payment | 1,812.39 | 1,743.18 | 1,794.05 | 1,886.04 | 3,371.73 |
| Domestic | 78.56 | 70.10 | 59.21 | 76.15 | 186.19 |
| External | 1,733.83 | 1,673.08 | 1,734.85 | 1,809.88 | 3,185.54 |
| Indian Rupee | 1,497.56 | 1,497.56 | 1,497.56 | 1,497.56 | 2,731.25 |
| Convertible Currency | 236.28 | 175.52 | 237.29 | 312.33 | 454.29 |
| Principal payment | 2,051.63 | 2,735.53 | 2,816.04 | 7,220.01 | 16,287.91 |
| Domestic | 175.30 | 672.82 | 674.68 | 4,991.40 | 13,067.76 |
| External | 1,876.33 | 2,062.71 | 2,141.37 | 2,228.62 | 3,220.15 |
| Indian Rupee | 1,581.84 | 1,581.84 | 1,581.84 | 1,581.84 | 2,486.27 |
| Convertible Currency | 294.49 | 480.87 | 559.52 | 646.78 | 733.88 |

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

# PLAN OUTLAYS

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

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

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

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

**Eleventh Five Year Plan Capital outlay by Dzongkhag, 2013-2018**

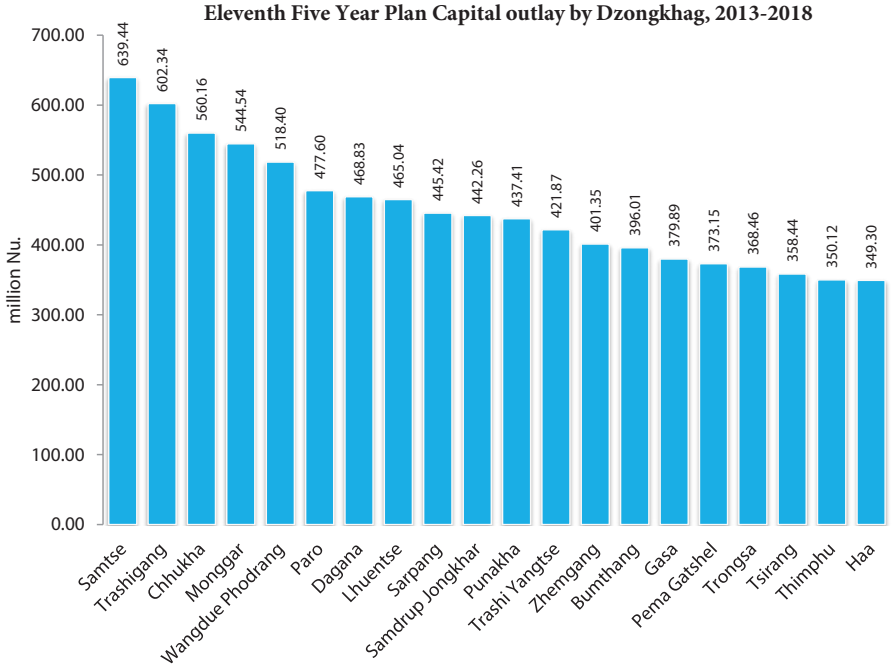


**Table 14.1: Tenth Plan Budgetary Outlay and Allocation, Bhutan (2008-2013)**

(Nu. in Million)

| Organization | Recurrent | Capital | Total | Percent |
|---|---|---|---|---|
| Constitutional Bodies | 1,577.88 | 5,199.11 | 6,776.98 | 4.62 |
| Judiciary | 611.89 | 724.51 | 1,336.40 | 0.91 |
| Royal Audit Authority | 289.02 | 53.56 | 342.57 | 0.23 |
| Election Commission Of Bhutan | 523.50 | 79.91 | 603.41 | 0.41 |
| Anti Corruption Commission | 64.66 | 125.37 | 190.03 | 0.13 |
| Royal Civil Service Commission | 88.81 | 4,215.76 | 4,304.57 | 2.94 |
| Autonomous Agencies | 5,783.46 | 6,503.98 | 12,287.44 | 8.40 |
| His Majesty's Secretariat | 147.22 | 100.00 | 247.22 | 0.17 |
| Secretariat of His Majesty the Fourth King | 89.33 | 50.00 | 139.33 | 0.10 |
| National Assembly Secretariat | 252.86 | 42.91 | 295.77 | 0.20 |
| Royal Advisory Council (National Council) | 149.59 | 56.99 | 206.58 | 0.14 |
| Cabinet Secretariat | 141.18 | 15.58 | 156.76 | 0.11 |
| Office of the Attorney General | 64.84 | 56.15 | 120.99 | 0.08 |
| GNH Commission | 170.08 | 1,050.00 | 1,220.08 | 0.83 |
| National Land Commission | 454.81 | 385.86 | 840.67 | 0.57 |
| National Environment Commission | 78.02 | 109.30 | 187.32 | 0.13 |
| Dzongkha Development Commision | 77.10 | 30.60 | 107.70 | 0.07 |
| Council for Ecclesiasstical Affairs | 1,864.27 | 633.55 | 2,497.82 | 1.71 |
| National Statistics Bureau | 129.20 | 45.29 | 174.49 | 0.12 |
| Royal University of Bhutan | 1,532.97 | 2,427.10 | 3,960.07 | 2.71 |
| Royal Institute of Management | 129.19 | 275.05 | 404.24 | 0.28 |
| Centre for Bhutan Studies | 45.50 | 50.00 | 95.50 | 0.07 |
| Bhutan Narcotic Control Agency | 23.00 | 21.40 | 44.41 | 0.03 |
| Bhutan Olympic Committee | 158.26 | 100.00 | 258.26 | 0.18 |
| Bhutan Broadcasting service Corporation | … | 406.78 | 406.78 | 0.28 |
| National commission for Women and Children | 70.82 | 64.21 | 135.02 | 0.09 |

*(continued on next page)*

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

(Nu. in Million)

| Organization | Recurrent | Capital | Total | Percent |
|---|---|---|---|---|
| Bhutan Information Communication Media Authority | 38.32 | 10.50 | 48.82 | 0.03 |
| Drug Regulatory Authority | 16.15 | … | 16.15 | 0.01 |
| Tourism Council ob Bhutan | 150.75 | 572.71 | 723.45 | 0.49 |
| Ministries | 48,897.65 | 49,908.69 | 98,806.32 | 67.56 |
| Ministry of Agriculture | 4,497.09 | 3,626.51 | 8,123.60 | 5.55 |
| Ministry of Education | 875.12 | 9,489.13 | 10,364.25 | 7.09 |
| Ministry of Finance | 29,632.49 | 699.92 | 30,332.41 | 20.74 |
| Ministry of Foreign Affairs | 1,319.63 | 447.51 | 1,767.14 | 1.21 |
| Ministry of Health | 4,175.97 | 4,394.34 | 8,570.30 | 5.86 |
| Ministry of Home and Cultural Affairs | 4,301.61 | 3,000.64 | 7,302.24 | 4.99 |
| Ministry of Information and Communication | 561.99 | 3,776.47 | 4,338.46 | 2.97 |
| Ministry of labour and Human Resources | 742.67 | 1,446.07 | 2,188.74 | 1.50 |
| Ministry of Econimic Affairs | 1,057.54 | 5,763.18 | 6,820.72 | 4.66 |
| Ministry of Works and Human Settlements | 1,733.54 | 17,264.92 | 18,998.46 | 12.99 |
| Others | 963.97 | … | 963.97 | 0.66 |
| Thimphu Thromdey Schools | 963.97 | … | 963.97 | 0.66 |
| Total (Constitutional Bodies, Autonomous Bodies and Ministries) | 57,222.95 | 61,611.76 | 118,834.70 | 81.25 |
| Dzongkhags and Gewogs | 15,417.52 | 12,000.00 | 27,417.52 | 18.75 |
| Dzongkhags | … | 7,200.00 | 7,200.00 | 4.92 |
| Gewogs | … | 4,800.00 | 4,800.00 | 3.28 |
| Total Outlay | 72,640.47 | 73,611.76 | 146,252.22 | 100.00 |

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

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

(Nu. in Million)

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

*(continued on next page)*

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

(Nu. in Million)

| Organization | Outlays | | | % of Total |
|---|---|---|---|---|
| | Current | Capital | Total | |
| Bhutan Broadcasting service Corporation | … | 340.00 | 340.00 | 0.16 |
| National commission for Women and Children | 99.17 | 55.00 | 154.17 | 0.07 |
| Bhutan Information Communication Media Authority | 93.75 | 118.25 | 212.00 | 0.10 |
| Bhutan Standard Bureau | 145.77 | 36.00 | 181.77 | 0.09 |
| Drug Regulatory Authority | 56.67 | 33.00 | 89.67 | 0.04 |
| Tourism Council of Bhutan | 314.17 | 345.61 | 659.78 | 0.31 |
| Royal Institute of Tourism and Hospitality | … | 25.50 | 25.50 | 0.01 |
| JDWNR Hospital | … | 334.20 | 334.20 | 0.16 |
| CSO Authority | … | 10.00 | 10.00 | 0.00 |
| Ministry | 70,429.48 | 55,657.19 | 126,086.67 | 59.11 |
| Ministry of Agriculture and Forest | 8,786.88 | 4,856.00 | 13,642.88 | 6.40 |
| Ministry of Education | 933.75 | 7,438.74 | 8,372.49 | 3.93 |
| Ministry of Finance | 38,589.53 | 2,678.55 | 41,268.08 | 19.35 |
| Ministry of Foreign Services | 3,287.34 | 320.00 | 3,607.34 | 1.69 |
| Ministry of Health | 4,306.82 | 3,839.41 | 8,146.23 | 3.82 |
| Ministry of Home and Cultural Affairs | 8,076.18 | 3,702.00 | 11,778.18 | 5.52 |
| Ministry of Information and Communication | 1,068.58 | 3,548.43 | 4,617.01 | 2.16 |
| Ministry of Labour and Human Resources | 1,271.25 | 1,383.00 | 2,654.25 | 1.24 |
| Ministry of Econimic Affairs | 1,626.42 | 6,782.06 | 8,408.48 | 3.94 |
| Ministry of Works and Human Settlements | 2,482.73 | 21,109.00 | 23,591.73 | 11.06 |
| Others (HRD and Exigencies) | … | 2,910.66 | 2,910.66 | 1.36 |
| Human Resource Development | … | 2,000.00 | 2,000.00 | 0.94 |
| Other Capital (Vehicles, misc. exigences etc.) | … | 910.66 | 910.66 | 0.43 |
| Total for Central Agencies | 84,662.14 | 67,150.00 | 151,812.14 | 71.18 |
| Local Governments | 36,629.32 | 24,850.00 | 61,479.32 | 28.82 |
| Dzongkhags and Gewogs | 33,578.44 | 20,000.00 | 53,578.44 | 25.12 |
| Thromdey | … | 4,850.00 | 4,850.00 | 2.27 |
| Thromdey Schools | 3,050.88 | … | 3,050.88 | 1.43 |
| Total Outlay | 121,291.46 | 92,000.00 | 213,291.46 | 100.00 |

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

**Table 14.3: Dzongkhag Wise Ninth Five Year Plan Outlay, Bhutan (2002-2007)**

(Nu.in Million)

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

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

**Table 14.4: Dzongkhag Wise Tenth Five Year Plan Outlay (2008-2013)**

(Nu.in Million)

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

Capital budget does not include the gewogs capital budget
Source: Gross National Happiness Commission (GNHC), Thimphu.

**Table 14.5: Dzongkhag Wise Eleventh Five Year Plan Outlay (2013-2018)**

(Nu.in Million)

| Dzongkhag | Capital |
|---|---|
| Bumthang | 396.01 |
| Chhukha | 560.16 |
| Dagana | 468.83 |
| Gasa | 379.89 |
| Haa | 349.30 |
| Lhuentse | 465.04 |
| Monggar | 544.54 |
| Pema Gatshel | 373.15 |
| Paro | 477.60 |
| Punakha | 437.41 |
| Samdrup Jongkhar | 442.26 |
| Samtse | 639.44 |
| Sarpang | 445.42 |
| Trashi Yangtse | 421.87 |
| Trashigang | 602.34 |
| Thimphu | 350.12 |
| Trongsa | 368.46 |
| Tsirang | 358.44 |
| Wangdue Phodrang | 518.40 |
| Zhemgang | 401.35 |
| Total | 9,000.00 |

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

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

| Dzongkhag | Sl.no. | Gewog | Capital (Nu. In million) |
|---|---|---|---|
| Bumthang | 1 | Chhoekhor | 58.435 |
| | 2 | Chhumey | 36.654 |
| | 3 | Tang | 31.456 |
| | 4 | Ura | 26.401 |
| | | Total | 152.946 |
| Chhukha | 1 | Bjachho | 26.286 |
| | 2 | Bongo | 58.631 |
| | 3 | Chapcha | 28.461 |
| | 4 | Dala | 79.562 |
| | 5 | Dungna | 16.079 |
| | 6 | Geling | 27.014 |
| | 7 | Getena | 20.207 |
| | 8 | Logchina | 45.355 |
| | 9 | Metap | 12.191 |
| | 10 | Phuntsholing | 53.715 |
| | 11 | Sampheling | 51.692 |
| | | Total | 419.193 |
| Dagana | 1 | Deorali | 20.134 |
| | 2 | Dorona | 16.770 |
| | 3 | Drujegang | 24.928 |
| | 4 | Gesarling | 21.962 |
| | 5 | Gozhi | 25.739 |
| | 6 | Kana | 28.615 |
| | 7 | Khibisa | 20.078 |
| | 8 | Lajab | 15.384 |
| | 9 | Lhamoiz-ingkha | 20.240 |
| | 10 | Nichula | 12.861 |
| | 11 | Trashiding | 25.007 |

*(continued on next page)*

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

| Dzongkhag | Sl.no. | Gewog | Capital (Nu. In million) |
|---|---|---|---|
| | 12 | Tsangkha | 21.253 |
| | 13 | Tsendagang | 23.222 |
| | 14 | Tseza | 22.151 |
| | | Total | 298.344 |
| Gasa | 1 | Goenkhamey | 13.330 |
| | 2 | Goenkhatoe | 11.609 |
| | 3 | Laya | 26.978 |
| | 4 | Lunana | 38.519 |
| | | Total | 90.436 |
| Haa | 1 | Bji | 34.346 |
| | 2 | Gakidling | 25.019 |
| | 3 | Katsho | 12.569 |
| | 4 | Sama | 23.957 |
| | 5 | Sangbeykha | 22.136 |
| | 6 | Uesu | 22.292 |
| | | Total | 140.319 |
| Lhuentse | 1 | Gangzur | 52.713 |
| | 2 | Jarey | 25.175 |
| | 3 | Khoma | 39.027 |
| | 4 | Kurtoe | 34.093 |
| | 5 | Menbi | 34.494 |
| | 6 | Metsho | 26.694 |
| | 7 | Minji | 28.187 |
| | 8 | Tsenkhar | 35.584 |
| | | Total | 275.967 |
| Monggar | 1 | Balam | 22.574 |
| | 2 | Chali | 27.123 |
| | 3 | Chaskhar | 37.644 |

*(continued on next page)*

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

| Dzongkhag | Sl.no. | Gewog | Capital (Nu. In million) |
|---|---|---|---|
| | 4 | Drametse | 39.090 |
| | 5 | Drepong | 20.991 |
| | 6 | Gongdue | 31.133 |
| | 7 | Jurmey | 34.732 |
| | 8 | Kengkhar | 43.098 |
| | 9 | Mongar | 46.165 |
| | 10 | Narang | 23.411 |
| | 11 | Ngatshang | 26.524 |
| | 12 | Saleng | 41.824 |
| | 13 | Sherimung | 36.055 |
| | 14 | Silambi | 28.559 |
| | 15 | Thangrong | 32.240 |
| | 16 | Tsakaling | 25.786 |
| | 17 | Tsamang | 24.362 |
| | | Total | 541.311 |
| Paro | 1 | Doga | 19.433 |
| | 2 | Dopshari | 23.478 |
| | 3 | Doteng | 14.518 |
| | 4 | Hungre | 11.307 |
| | 5 | Lamgong | 22.873 |
| | 6 | Lungnyi | 20.208 |
| | 7 | Naja | 35.624 |
| | 8 | Shaba | 30.342 |
| | 9 | Tsento | 45.520 |
| | 10 | Wangcha | 36.711 |
| | | Total | 260.014 |
| Pema Gatshel | 1 | Chimung | 12.802 |
| | 2 | Chokhorling | 15.226 |

*(continued on next page)*

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

| Dzongkhag | Sl.no. | Gewog | Capital (Nu. In million) |
|---|---|---|---|
| | 3 | Chongshing | 13.440 |
| | 4 | Dechenling | 26.382 |
| | 5 | Dungmen | 20.073 |
| | 6 | Khar | 22.457 |
| | 7 | Nanong | 28.663 |
| | 8 | Norbugang | 25.661 |
| | 9 | Shumar | 40.146 |
| | 10 | Yurung | 14.552 |
| | 11 | Zobel | 18.233 |
| | | Total | 237.635 |
| Punakha | 1 | Baap | 23.801 |
| | 2 | Chhubu | 24.158 |
| | 3 | Dzoma | 18.171 |
| | 4 | Goenshari | 12.747 |
| | 5 | Guma | 29.490 |
| | 6 | Kabjisa | 27.870 |
| | 7 | Lingmukha | 9.966 |
| | 8 | Shengana | 15.111 |
| | 9 | Talo | 16.175 |
| | 10 | Toebesa | 20.654 |
| | 11 | Toewang | 23.137 |
| | | Total | 221.280 |
| Samdrup Jongkhar | 1 | Dewathang | 38.214 |
| | 2 | Gomdar | 41.287 |
| | 3 | Langchenphu | 21.334 |
| | 4 | Lauri | 56.009 |
| | 5 | Martshalla | 43.346 |
| | 6 | Orong | 43.662 |

*(continued on next page)*

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

| Dzongkhag | Sl.no. | Gewog | Capital (Nu. In million) |
|---|---|---|---|
| | 7 | Pemathang | 27.865 |
| | 8 | Phunt-shothang | 48.899 |
| | 9 | Samrang | 6.377 |
| | 10 | Serthi | 38.655 |
| | 11 | Wangphu | 35.181 |
| | | Total | 400.829 |
| Samtse | 1 | Norgaygang | 67.834 |
| | 2 | Pemaling | 54.561 |
| | 3 | Sang Ngag Ch-hoeling | 52.654 |
| | 4 | Norboogang | 64.547 |
| | 5 | Denchukha | 48.251 |
| | 6 | Dophuchen | 80.670 |
| | 7 | Dungtoed | 29.528 |
| | 8 | Namgyel Ch-hoeling | 53.085 |
| | 9 | Phuntshopelri | 63.013 |
| | 10 | Samtse | 57.882 |
| | 11 | Trashichholing | 43.668 |
| | 12 | Tadhing | 72.359 |
| | 13 | Tendruk | 72.115 |
| | 14 | Ugyentse | 26.423 |
| | 15 | Yoeseltse | 44.191 |
| | | Total | 725.042 |
| Sarpang | 1 | Samtenling | 19.429 |
| | 2 | Chuzargang | 26.024 |
| | 3 | Dekiling | 37.669 |
| | 4 | Chhuzom | 31.841 |
| | 5 | Gelephu | 28.304 |

*(continued on next page)*

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

| Dzongkhag | Sl.no. | Gewog | Capital (Nu. In million) |
|---|---|---|---|
| | 6 | Gakidling | 32.445 |
| | 7 | Jigmecholing | 49.004 |
| | 8 | Sershong | 20.206 |
| | 9 | Shompangkha | 14.590 |
| | 10 | Singye | 12.949 |
| | 11 | Tareythang | 4.440 |
| | 12 | Umling | 17.129 |
| | | Total | 294.030 |
| Thimphu | 1 | Chang | 23.699 |
| | 2 | Dagala | 16.783 |
| | 3 | Geyni | 11.277 |
| | 4 | Kawang | 24.432 |
| | 5 | Lingshi | 14.889 |
| | 6 | Mewang | 41.487 |
| | 7 | Naro | 11.031 |
| | 8 | Soe | 9.082 |
| | | Total | 152.680 |
| Trashigang | 1 | Bartsham | 19.854 |
| | 2 | Bidung | 23.992 |
| | 3 | Kanglung | 47.271 |
| | 4 | Kangpara | 34.484 |
| | 5 | Khaling | 38.320 |
| | 6 | Lumang | 60.044 |
| | 7 | Merak | 39.079 |
| | 8 | Phongme | 33.616 |
| | 9 | Radhi | 37.330 |
| | 10 | Sakteng | 38.631 |
| | 11 | Samkhar | 30.845 |

*(continued on next page)*

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

| Dzongkhag | Sl.no. | Gewog | Capital (Nu. In million) |
|---|---|---|---|
| | 12 | Shongphu | 41.308 |
| | 13 | Thrimshing | 29.019 |
| | 14 | Udzorong | 42.583 |
| | 15 | Yangnyer | 33.485 |
| | | Total | 549.861 |
| Trashi Yangtse | 1 | Bumdeling | 35.297 |
| | 2 | Jamkhar | 13.973 |
| | 3 | Khamdang | 29.597 |
| | 4 | Ramjar | 13.266 |
| | 5 | Toetsho | 20.473 |
| | 6 | Tongmijangsa | 17.241 |
| | 7 | Yalang | 18.321 |
| | 8 | Yangtse | 21.917 |
| | | Total | 170.085 |
| Trongsa | 1 | Drakteng | 26.184 |
| | 2 | Korphu | 17.712 |
| | 3 | Langthel | 36.327 |
| | 4 | Nubi | 37.274 |
| | 5 | Tangsibji | 24.593 |
| | | Total | 142.090 |
| Tsirang | 1 | Barshong | 10.656 |
| | 2 | Beteni | 17.738 |
| | 3 | Dunglagang | 14.807 |
| | 4 | Goseling | 15.470 |
| | 5 | Kikhorthang | 21.289 |
| | 6 | Mendregang | 15.841 |
| | 7 | Patale | 18.380 |
| | 8 | Phuentenchu | 15.591 |
| | 9 | Rangthangling | 16.447 |
| | 10 | Semjong | 17.132 |
| | 11 | Tsholingkhar | 16.950 |
| | 12 | Tsirangtoe | 14.807 |

*(continued on next page)*

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

| Dzongkhag | Sl.no. | Gewog | Capital (Nu. In million) |
|---|---|---|---|
| | | Total | 195.108 |
| Wangdue Phodrang | 1 | Athang | 25.066 |
| | 2 | Bjena | 22.002 |
| | 3 | Daga | 22.848 |
| | 4 | Dangchu | 19.895 |
| | 5 | Gangtoe | 20.113 |
| | 6 | Gasetshogom | 20.604 |
| | 7 | Gasetshowom | 13.329 |
| | 8 | Kazhi | 26.095 |
| | 9 | Nahi | 13.814 |
| | 10 | Nyisho | 23.864 |
| | 11 | Phangyuel | 13.496 |
| | 12 | Phobjikha | 24.462 |
| | 13 | Ruepaisa | 20.681 |
| | 14 | Sephu | 38.323 |
| | 15 | Thedtsho | 18.794 |
| | | Total | 323.386 |
| Zhemgang | 1 | Bardo | 41.925 |
| | 2 | Bjoka | 24.384 |
| | 3 | Goshing | 31.792 |
| | 4 | Nangkor | 47.360 |
| | 5 | Nangla | 41.830 |
| | 6 | Phangkhar | 36.129 |
| | 7 | Shingkhar | 34.321 |
| | 8 | Trong | 45.965 |
| | | Total | 303.706 |

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

# 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.

**Year on year GDP Growth**

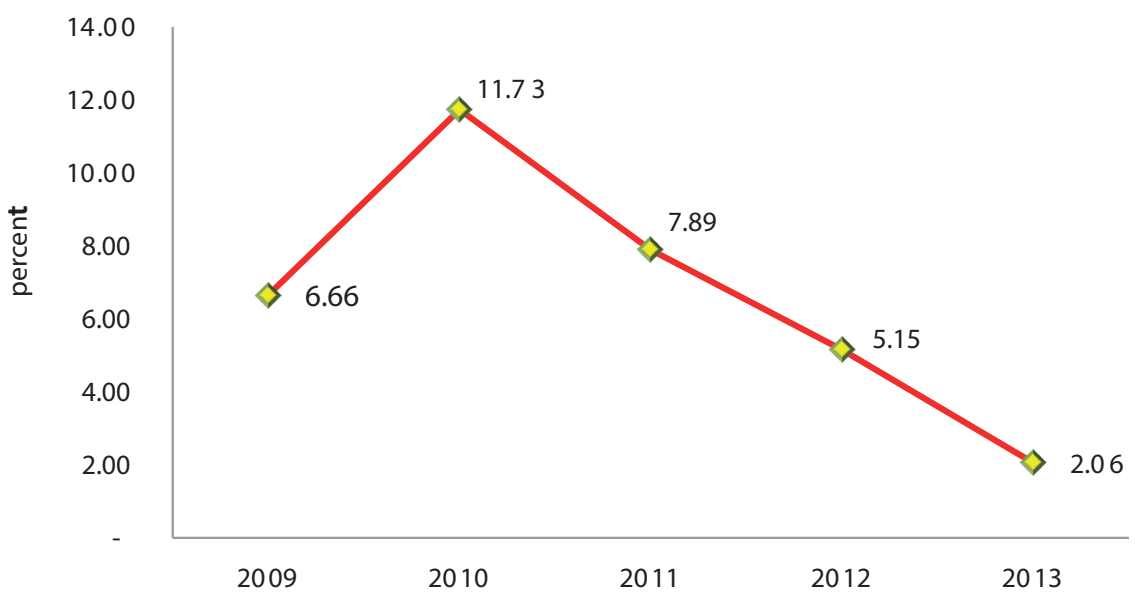


**Table 15.1: GDP by Economic Activity at Current Prices (2009 - 2013)**

(Nu. in million)

| Sectors | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|
| 1. Agriculture, Livestock & Forestry | 11,158.67 | 12,177.83 | 13,868.37 | 15,558.29 | 16,888.98 |
| 1.1 Crops | 5,668.24 | 6,530.14 | 7,665.37 | 8,635.21 | 9,580.49 |
| 1.2 Livestock | 2,894.92 | 3,109.68 | 3,473.20 | 3,996.79 | 4,289.67 |
| 1.3 Forestry & Logging | 2,595.51 | 2,538.01 | 2,729.79 | 2,926.29 | 3,018.82 |
| 2. Mining & Quarrying | 1,392.03 | 1,616.89 | 1,941.73 | 1,961.96 | 2,867.26 |
| 3. Manufacturing | 5,017.23 | 6,324.15 | 7,044.82 | 8,623.12 | 8,878.49 |
| 4. Electricity & Water Supply | 11,813.45 | 12,763.60 | 11,911.61 | 12,303.14 | 14,801.51 |
| 4.1 Electricity | 11,786.11 | 12,740.27 | 11,886.16 | 12,274.39 | 14,772.35 |
| 4.2 Water Supply | 27.34 | 23.33 | 25.45 | 28.75 | 29.17 |
| 5. Construction | 7,469.68 | 10,308.86 | 13,916.57 | 17,669.80 | 17,602.41 |
| 6. Wholesale & Retail Trade | 2,935.27 | 3,752.55 | 4,641.79 | 5,917.59 | 6,526.92 |
| 7. Hotels & Restaurants | 537.61 | 608.01 | 948.65 | 1,298.83 | 1,536.06 |
| 8. Transport, Storage & Communications | 5,989.87 | 6,943.32 | 8,526.11 | 9,256.04 | 9,743.45 |
| 9. Financing, Insurance, Real Estates & Business Services | 4,962.11 | 5,545.89 | 7,007.73 | 7,412.13 | 8,064.75 |
| 9.1 Finance & Insurance | 3,466.21 | 3,987.66 | 5,136.84 | 5,384.96 | 5,781.09 |
| 9.2 Real Estate & Dwellings | 1,460.30 | 1,507.70 | 1,815.30 | 1,947.27 | 2,198.01 |
| 9.3 Business Services | 35.60 | 50.53 | 55.59 | 79.90 | 85.66 |
| 10. Community, Social & Personal Services | 7,963.33 | 9,262.50 | 10,882.24 | 11,248.97 | 11,536.50 |
| 10.1 Public Administration | 4,728.37 | 5,517.28 | 6,478.03 | 6,775.74 | 7,931.34 |
| 10.2 Education & Health | 3,234.96 | 3,745.21 | 4,404.22 | 4,473.23 | 3,605.16 |
| 11. Private Social & Recreational Services | 276.42 | 297.97 | 338.03 | 390.05 | 436.44 |
| 12. Taxes Net of Subsidies | 1,704.90 | 2,895.07 | 3,922.37 | 5,813.03 | 5,495.31 |
| GDP | 61,220.56 | 72,496.64 | 84,950.01 | 97,452.96 | 104,378.08 |

Source: National Accounts Statistics, NSB

**Table 15.2: Percentage Share of GDP by Economic Activity at Current Prices (2009 - 2013)**

| Sectors | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|
| 1. Agriculture, Livestock & Forestry | 18.23 | 16.80 | 16.33 | 15.96 | 16.18 |
| 1.1 Crops | 9.26 | 9.01 | 9.02 | 8.86 | 9.18 |
| 1.2 Livestock | 4.73 | 4.29 | 4.09 | 4.10 | 4.11 |
| 1.3 Forestry & Logging | 4.24 | 3.50 | 3.21 | 3.00 | 2.89 |
| 2. Mining & Quarrying | 2.27 | 2.23 | 2.29 | 2.01 | 2.75 |
| 3. Manufacturing | 8.20 | 8.72 | 8.29 | 8.85 | 8.51 |
| 4. Electricity & Water Supply | 19.30 | 17.61 | 14.02 | 12.62 | 14.18 |
| 4.1 Electricity | 19.25 | 17.57 | 13.99 | 12.60 | 14.15 |
| 4.2 Water Supply | 0.04 | 0.03 | 0.03 | 0.03 | 0.03 |
| 5. Construction | 12.20 | 14.22 | 16.38 | 18.13 | 16.86 |
| 6. Wholesale & Retail Trade | 4.79 | 5.18 | 5.46 | 6.07 | 6.25 |
| 7. Hotels & Restaurants | 0.88 | 0.84 | 1.12 | 1.33 | 1.47 |
| 8. Transport, Storage & Communications | 9.78 | 9.58 | 10.04 | 9.50 | 9.33 |
| 9. Financing, Insurance, Real Estates & Business Services | 8.11 | 7.65 | 8.25 | 7.61 | 7.73 |
| 9.1 Finance & Insurance | 5.66 | 5.50 | 6.05 | 5.53 | 5.54 |
| 9.2 Real Estate & Dwellings | 2.39 | 2.08 | 2.14 | 2.00 | 2.11 |
| 9.3 Business Services | 0.06 | 0.07 | 0.07 | 0.08 | 0.08 |
| 10. Community, Social & Personal Services | 13.01 | 12.78 | 12.81 | 11.54 | 11.05 |
| 10.1 Public Administration | 7.72 | 7.61 | 7.63 | 6.95 | 7.60 |
| 10.2 Education & Health | 5.28 | 5.17 | 5.18 | 4.59 | 3.45 |
| 11. Private Social & Recreational Services | 0.45 | 0.41 | 0.40 | 0.40 | 0.42 |
| 12. Taxes Net of Subsidies | 2.78 | 3.99 | 4.62 | 5.96 | 5.26 |
| Overall GDP | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |

Source: National Accounts Statistics, NSB

**Table 15.3: Sectoral Growth Rates of GDP in Constant Prices (2009 - 2013)**

(Nu. in million)

| Sectors | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|
| 1. Agriculture, Livestock & Forestry | 2.66 | 0.85 | 2.41 | 2.25 | 2.94 |
| 1.1 Crops | 2.24 | 1.17 | 2.94 | 2.35 | 3.89 |
| 1.2 Livestock | 2.35 | 2.94 | 1.16 | 1.27 | 2.42 |
| 1.3 Forestry & Logging | 3.88 | (2.33) | 2.93 | 3.29 | 1.62 |
| 2. Mining & Quarrying | (6.91) | 8.51 | 24.19 | (2.24) | 36.20 |
| 3. Manufacturing | 6.88 | 20.18 | 7.30 | 6.79 | (7.22) |
| 4. Electricity & Water Supply | (2.65) | 5.45 | (5.51) | (0.57) | 10.74 |
| 4.1. Electricity | (2.67) | 5.51 | (5.41) | (0.59) | 10.75 |
| 4.2. Water Supply | 4.54 | (14.67) | (43.15) | 12.95 | 1.47 |
| 5. Construction | 16.53 | 20.61 | 14.71 | 18.18 | (2.07) |
| 6. Wholesale & Retail Trade | 6.21 | 20.02 | 19.21 | 17.45 | 7.85 |
| 7. Hotels & Restaurants | (12.90) | 3.87 | 41.17 | 17.44 | 17.11 |
| 8. Transport, Storage & Communications | 9.23 | 11.11 | 13.90 | 5.79 | 3.29 |
| 9. Financing, Insurance, Real Estates & Business Services | 6.20 | 8.52 | 21.84 | (6.41) | 1.99 |
| 9.1 Finance & Insurance | 6.77 | 10.12 | 25.82 | (8.64) | 1.49 |
| 9.2 Real Estate & Dwellings | 3.91 | 2.28 | 7.44 | (1.88) | 3.55 |
| 9.3 Business Services | 20.96 | 32.62 | 10.27 | 18.77 | 1.45 |
| 10. Community, Social & Personal Services | 28.59 | 13.03 | 3.42 | (6.43) | (5.16) |
| 10.1 Public Administration | 20.41 | 13.32 | 3.36 | (5.32) | 8.17 |
| 10.2 Education & Health | 42.77 | 12.61 | 3.52 | (8.06) | (25.37) |
| 11. Private Social & Recreational Services | 2.00 | 1.99 | 2.75 | 2.66 | 2.70 |
| 12. Taxes Net of Subsidies | (0.65) | 57.00 | 20.04 | 37.42 | (8.54) |
| Overall GDP | 6.66 | 11.73 | 7.89 | 5.07 | 2.05 |

Source: National Accounts Statistics, NSB

**Table 15.4: Gross Domestic Product by Major Economic Sectors in Current Prices, (2009 - 2013)**

(Nu. in Million )

| Sector | 2007 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|
| 1. Primary | 10,124.58 | 11,158.67 | 12,177.83 | 13,868.37 | 15,558.29 | 16,888.98 |
| 2. Secondary | 20,896.27 | 25,692.39 | 31,013.50 | 34,814.73 | 40,558.03 | 44,149.67 |
| 3. Tertairy | 18,435.76 | 24,369.51 | 29,305.31 | 36,266.92 | 41,336.64 | 43,339.43 |
| Overall GDP | 49,456.60 | 61,220.56 | 72,496.64 | 84,950.01 | 97,452.96 | 104,378.08 |

Source: National Accounts Statistics, NSB

**Table 15.5: Percentage Share of GDP by Major Sector in Current Prices (2009 - 2013)**

| Sector | 2007 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|
| 1. Primary | 0.20 | 18.23 | 16.80 | 16.33 | 15.96 | 16.18 |
| 2. Secondary | 0.42 | 41.97 | 42.78 | 40.98 | 41.62 | 42.30 |
| 3. Tertairy | 0.37 | 39.81 | 40.42 | 42.69 | 42.42 | 41.52 |
| Overall GDP | 1.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |

Source: National Accounts Statistics, NSB

**Table 15.6: Year on Year GDP Growth (2009-2013)**

(in Percent)

| Sector | 2007 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|---|
| 1. Primary | 2.51 | 10.72 | 9.13 | 13.88 | 12.19 | 8.55 |
| 2. Secondary | 41.62 | 8.64 | 20.71 | 12.26 | 16.50 | 8.86 |
| 3. Tertairy | 5.94 | 15.95 | 20.25 | 23.76 | 13.98 | 4.85 |
| Overall GDP | 17.95 | 11.83 | 18.42 | 17.18 | 14.72 | 7.11 |

Source: National Accounts Statistics, NSB

**Table 15.7: GDP by Expenditure at Current Prices (2009 - 2013)**

(Nu. in million )

| Description | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|
| 1. Final Consumption Expen diture | 40,284.29 | 46,239.96 | 51,975.16 | 61,381.39 | 71,637.26 |
| Households & NPISHs | 27,202.22 | 31,752.11 | 34,927.33 | 42,690.24 | 53,362.80 |
| General Government | 13,082.07 | 14,487.85 | 17,047.84 | 18,691.15 | 18,274.46 |
| 2. Gross Domestic Capital Formation | 28,000.55 | 44,732.16 | 57,469.55 | 66,180.82 | 49,334.15 |
| a. Construction | 15,049.64 | 24,863.87 | 33,517.76 | 41,603.17 | 41,089.92 |
| b. Machinery & Equip-ment | 12,754.74 | 17,579.01 | 23,280.94 | 24,314.12 | 7,846.74 |
| c. Software, database dev.(gov) | 327.44 | 1,399.94 | 902.60 | 137.34 | 193.48 |
| d. Valuables | 138.12 | 517.15 | 84.05 | 198.19 | 215.65 |
| e. Changes in Inventories | (269.39) | 372.18 | (315.80) | (72.00) | (11.65) |
| 3. Net Export | (10,715.53) | (20,501.25) | (24,874.52) | (23,693.89) | (22,988.64) |
| Export of Goods & Services | 27,366.53 | 30,777.02 | 35,003.69 | 37,739.40 | 42,636.41 |
| Import of Goods & Services | 38,082.06 | 51,278.27 | 59,878.21 | 61,433.29 | 65,625.05 |
| GDP, Expenditure | 57,569.31 | 70,470.87 | 84,570.19 | 103,868.32 | 97,982.77 |
| GDP, Production | 61,220.56 | 72,496.64 | 84,950.01 | 97,452.96 | 104,378.08 |
| Statistical Discrepancy | 3,651.25 | 2,025.77 | 379.82 | (6,415.36) | 6,395.31 |

Source: National Accounts Statistics, NSB

**Table 15.8: GDP Share of Expenditure at Current Prices (2009 - 2013)**

(in Percent)

| Expenditure | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|
| 1. Final Consumption Expenditure | 69.98 | 65.62 | 61.46 | 59.10 | 73.11 |
| Households & NPISHs | 47.25 | 45.06 | 41.30 | 41.10 | 54.46 |
| General Government | 22.72 | 20.56 | 20.16 | 18.00 | 18.65 |
| 2. Gross Domestic Capital Formation | 48.64 | 63.48 | 67.95 | 63.72 | 50.35 |
| Construction | 26.14 | 35.28 | 39.63 | 40.05 | 41.94 |
| Machinery & Equipment | 22.16 | 24.95 | 27.53 | 23.41 | 8.01 |
| software data base dev. | 0.57 | 1.99 | 1.07 | 0.13 | 0.20 |
| Nvaluables | 0.24 | 0.73 | 0.10 | 0.19 | 0.22 |
| Changes in Inventories | (0.47) | 0.53 | (0.37) | (0.07) | (0.01) |
| 3. Net Export | (18.61) | (29.09) | (29.41) | (22.81) | (23.46) |
| Export of Goods & Services | 47.54 | 43.67 | 41.39 | 36.33 | 43.51 |
| Import of Goods & Services | 66.15 | 72.77 | 70.80 | 59.15 | 66.98 |
| GDP, Expenditure | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |

Source: National Accounts Statistics, NSB

# PRICES

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

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

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

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

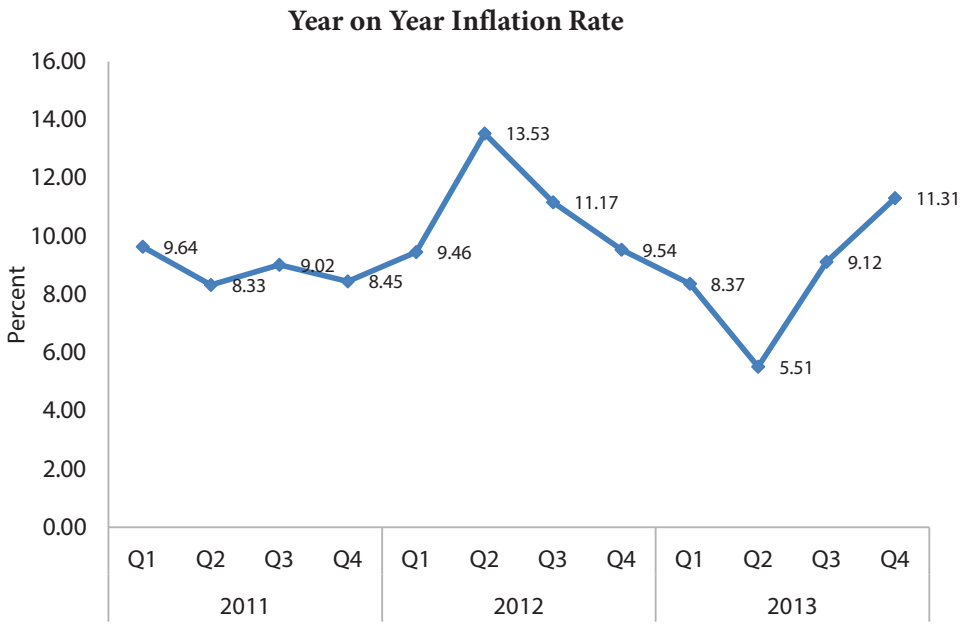


**Table 16.1: Consumer Price Index (CPI), Year on Year Inflation (2009-2014)**

| Group | | Food | Non-Food | Total |
|---|---|---|---|---|
| Weights | | 39.92 | 60.08 | 100 |
| 2008 | Q1 | 10.99 | 3.78 | 6.03 |
| | Q2 | 12.32 | 7.19 | 8.85 |
| | Q3 | 12.52 | 7.77 | 9.30 |
| | Q4 | 11.75 | 7.74 | 9.04 |
| 2009 | Q1 | 8.84 | 6.42 | 7.21 |
| | Q2 | 6.67 | 1.11 | 2.96 |
| | Q3 | 9.88 | 0.21 | 3.42 |
| | Q4 | 10.74 | 0.73 | 4.05 |
| 2010 | Q1 | 12.33 | 2.39 | 5.70 |
| | Q2 | 6.90 | 5.73 | 6.14 |
| | Q3 | 6.63 | 7.43 | 7.15 |
| | Q4 | 9.53 | 8.86 | 9.10 |
| 2011 | Q1 | 10.53 | 9.15 | 9.64 |
| | Q2 | 10.56 | 7.12 | 8.33 |
| | Q3 | 10.72 | 8.11 | 9.02 |
| | Q4 | 8.96 | 8.17 | 8.45 |
| 2012 | Q1 | 11.40 | 8.39 | 9.46 |
| | Q2 | 18.72 | 10.67 | 13.53 |
| | Q3 | 13.87 | 9.67 | 11.17 |
| | Q4 | 11.80 | 8.30 | 9.54 |
| 2013 | Q1 | 7.86 | 8.66 | 8.37 |
| | Q2 | 2.81 | 7.14 | 5.51 |
| | Q3 | 9.41 | 8.89 | 9.12 |
| | Q4 | 14.46 | 9.27 | 11.31 |
| 2014 | Jan | 13.92 | 7.50 | 10.02 |
| | Feb | 13.01 | 7.11 | 9.43 |
| | Mar | 12.87 | 6.46 | 8.97 |
| | Apr | 12.09 | 6.34 | 8.60 |
| | May | 12.85 | 6.47 | 8.97 |
| | June | 12.04 | 5.52 | 8.08 |

CPI report is produced on monthly basis from 2014
Source: CPI Bulletin June 2014, National Accounts Division, NSB, Thimphu

**Table 16.2: Consumer Price Index (CPI) Year on Year Percent Change by Group Level, Bhutan (2009-2014)**

| 12 Major Groups | | Food and non-alcoholic Beverages | Alcoholic Beverages and Narcotics | Clothing and Footwear | Housing, Water, Electricity, Gas and other Fuels | Furnishing, Household Equipment and Routine Maintenance of the House | Health | Transport | Communication | Recreational and Culture | Education | Restuarents and Hotels | Miscellaneous Goods and Services | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Weights | | 36.88 | 3.03 | 9.20 | 21.70 | 2.22 | 4.67 | 11.98 | 3.03 | 2.35 | 1.64 | 1.24 | 2.06 | 100.00 |
| 2010 | Q1 | 13.48 | -1.16 | 2.11 | 3.66 | 2.63 | -3.23 | 2.73 | -1.64 | 0.60 | 0.00 | 2.91 | 4.31 | 5.70 |
| | Q2 | 7.46 | -0.30 | 2.71 | 11.74 | 6.64 | -2.59 | 2.67 | -3.72 | 0.04 | 0.00 | 4.69 | -0.17 | 6.14 |
| | Q3 | 7.02 | 1.57 | 4.91 | 12.72 | 4.84 | 5.68 | 4.50 | 0.46 | 2.87 | 0.00 | 6.28 | 4.10 | 7.15 |
| | Q4 | 9.98 | 3.62 | 5.36 | 14.06 | 6.44 | 5.21 | 4.72 | -0.95 | 14.73 | 0.00 | 14.09 | 4.10 | 9.10 |
| 2011 | Q1 | 11.00 | 4.19 | 10.21 | 9.78 | 9.15 | 7.76 | 7.91 | -1.63 | 31.98 | 0.00 | 11.45 | 0.71 | 9.64 |
| | Q2 | 10.82 | 7.00 | 12.24 | 2.98 | 3.96 | 5.74 | 13.30 | 0.03 | 38.40 | 0.00 | 10.57 | 1.50 | 8.33 |
| | Q3 | 10.33 | 16.08 | 16.39 | 3.39 | 8.85 | 3.72 | 12.35 | -4.35 | 38.49 | 0.00 | 11.57 | 3.20 | 9.02 |
| | Q4 | 8.18 | 19.92 | 16.55 | 4.77 | 8.01 | 5.94 | 12.97 | -0.70 | 23.29 | 0.00 | 3.82 | 3.53 | 8.45 |
| 2012 | Q1 | 10.27 | 27.73 | 13.83 | 5.78 | 18.69 | 4.57 | 9.52 | -0.58 | 9.76 | 0.00 | 7.10 | 7.58 | 9.46 |
| | Q2 | 18.35 | 24.07 | 21.11 | 6.91 | 27.23 | 7.14 | 3.11 | -1.46 | 13.83 | 0.00 | 6.21 | 18.93 | 13.53 |
| | Q3 | 14.36 | 7.48 | 17.83 | 7.36 | 19.46 | 8.43 | 2.39 | -4.16 | 12.87 | 0.00 | 9.39 | 17.19 | 11.17 |
| | Q4 | 12.48 | 3.21 | 15.25 | 5.76 | 18.76 | 6.97 | 1.31 | -4.89 | 11.53 | 0.00 | 10.27 | 16.52 | 9.54 |
| 2013 | Q1 | 8.32 | 1.99 | 16.20 | 6.82 | 8.66 | 5.81 | 2.09 | -4.22 | 9.68 | 0.00 | 23.24 | 17.61 | 8.37 |
| | Q2 | 2.37 | 8.14 | 10.68 | 7.11 | 14.24 | 6.05 | 3.44 | -2.26 | 7.77 | 8.35 | 14.23 | 11.48 | 5.51 |
| | Q3 | 8.16 | 23.05 | 13.52 | 10.18 | 17.29 | 5.39 | 4.10 | 0.24 | 8.45 | 9.63 | 12.77 | 13.78 | 9.11 |
| | Q4 | 13.16 | 31.47 | 16.37 | 9.56 | 20.01 | 4.98 | 4.49 | -0.42 | 8.36 | 9.63 | 15.24 | 15.32 | 11.31 |
| 2014 | Jan | 12.76 | 29.06 | 16.43 | 6.24 | 16.57 | 6.78 | 3.39 | -0.29 | 4.52 | 9.63 | 9.64 | 11.73 | 10.02 |
| | Feb | 12.27 | 22.43 | 12.75 | 6.64 | 12.83 | 4.43 | 4.03 | -0.40 | 5.06 | 14.96 | 8.00 | 13.44 | 9.43 |
| | Mar | 11.82 | 26.55 | 11.72 | 7.38 | 10.48 | 2.38 | 3.37 | -0.44 | 3.31 | 6.10 | 6.13 | 12.14 | 8.97 |
| | Apr | 11.15 | 24.19 | 12.03 | 8.06 | 8.80 | 2.00 | 2.69 | -0.57 | 1.98 | 6.10 | 6.32 | 8.44 | 8.60 |
| | May | 12.49 | 17.32 | 6.41 | 11.27 | 7.33 | 2.29 | 2.68 | -0.95 | 1.87 | 6.10 | 3.83 | 7.13 | 8.97 |
| | June | 11.75 | 15.66 | 5.66 | 9.73 | 7.27 | 0.59 | 3.02 | -4.70 | 1.56 | 6.10 | 3.91 | 6.73 | 8.08 |

CPI report is produced on monthly basis from 2014.
Source: CPI Bulletin June 2014, National Accounts Division, NSB, Thimphu.

**Table 16.3: Month-on-Month Consumer Price Index and Percent Change, 2013 & 2014**

| Group | | | Food | Non-Food | Total | Purchasing Power of Ngultrum (Nu.) |
|---|---|---|---|---|---|---|
| Weights | | | 39.92 | 60.08 | 100 | |
| Index (December 2012=100) | 2012 | Dec | 100.00 | 100.00 | 100.00 | 100 |
| | 2013 | Jan | 101.31 | 102.59 | 102.08 | 98 |
| | | Feb | 102.35 | 103.12 | 102.81 | 97 |
| | | Mar | 102.46 | 104.03 | 103.40 | 97 |
| | | Apr | 104.16 | 104.49 | 104.36 | 96 |
| | | May | 104.27 | 104.97 | 104.69 | 96 |
| | | Jun | 106.14 | 106.23 | 106.19 | 94 |
| | | Jul | 107.97 | 108.87 | 108.51 | 92 |
| | | Aug | 109.78 | 107.85 | 108.57 | 92 |
| | | Sep | 111.17 | 108.40 | 109.34 | 91 |
| | | Oct | 113.48 | 109.06 | 110.80 | 90 |
| | | Nov | 114.40 | 109.30 | 111.31 | 90 |
| | | Dec | 115.49 | 109.44 | 111.82 | 89 |
| | 2014 | Jan | 115.34 | 110.29 | 112.28 | 89 |
| | | Feb | 115.60 | 110.45 | 112.48 | 89 |
| | | Mar | 115.60 | 110.75 | 112.66 | 89 |
| | | Apr | 116.71 | 111.11 | 113.31 | 88 |
| | | May | 117.54 | 111.77 | 114.04 | 88 |
| | | Jun | 118.81 | 112.10 | 114.73 | 87 |
| Change(%) | 2013 | Jan | 1.31 | 2.59 | 2.08 | |
| | | Feb | 1.02 | 0.51 | 0.71 | |
| | | Mar | 0.11 | 0.88 | 0.57 | |
| | | Apr | 1.65 | 0.45 | 0.93 | |
| | | May | 0.11 | 0.46 | 0.32 | |
| | | Jun | 1.79 | 1.20 | 1.43 | |
| | | Jul | 1.72 | 2.49 | 2.18 | |
| | | Aug | 1.68 | -0.94 | 0.09 | |
| | | Sep | 1.27 | 0.51 | 0.72 | |
| | | Oct | 2.08 | 0.61 | 1.34 | |
| | | Nov | 0.81 | 0.22 | 0.46 | |
| | | Dec | 0.96 | 0.13 | 0.46 | |
| | 2014 | Jan | -0.13 | 0.77 | 0.41 | |
| | | Feb | 0.22 | 0.15 | 0.18 | |
| | | Mar | 0.01 | 0.27 | 0.16 | |
| | | Apr | 0.95 | 0.33 | 0.58 | |
| | | May | 0.72 | 0.59 | 0.64 | |
| | | Jun | 1.08 | 0.30 | 0.61 | |

Source: CPI Bulletin June 2014, National Accounts Division, NSB, Thimphu

**Table 16.4: Month-on-Month Consumer Price Index (CPI), & Percent Change for Domestic Goods & Services, 2013 & 2014**

| Group | | | Food | Non-Food | Total |
|---|---|---|---|---|---|
| Weights | | | 17.15 | 30.24 | 47.39 |
| Index (December 2012=100) | 2012 | Dec | 100.00 | 100.00 | 100.00 |
| | 2013 | Jan | 102.35 | 103.40 | 103.02 |
| | | Feb | 104.05 | 103.53 | 103.72 |
| | | March | 103.50 | 104.24 | 103.97 |
| | | April | 103.92 | 104.26 | 104.14 |
| | | May | 103.77 | 104.46 | 104.21 |
| | | June | 105.41 | 106.09 | 105.84 |
| | | July | 107.76 | 106.20 | 106.76 |
| | | Aug | 109.70 | 106.43 | 107.60 |
| | | Sep | 111.34 | 106.70 | 108.36 |
| | | Oct | 115.58 | 107.92 | 110.63 |
| | | Nov | 116.92 | 107.97 | 111.12 |
| | | Dec | 118.54 | 107.97 | 111.68 |
| | 2014 | Jan | 117.87 | 108.64 | 111.89 |
| | | Feb | 117.13 | 109.31 | 112.08 |
| | | Mar | 117.44 | 110.22 | 112.78 |
| | | Apr | 117.94 | 110.80 | 113.33 |
| | | May | 118.31 | 113.25 | 115.06 |
| | | Jun | 119.84 | 113.48 | 115.74 |
| Change (%) | 2013 | Jan | 2.35 | 3.40 | 3.02 |
| | | Feb | 1.66 | 0.12 | 0.68 |
| | | March | -0.52 | 0.69 | 0.25 |
| | | April | 0.40 | 0.02 | 0.16 |
| | | May | -0.14 | 0.19 | 0.07 |
| | | June | 1.58 | 1.55 | 1.56 |
| | | July | 2.23 | 0.11 | 0.87 |
| | | Aug | 1.80 | 0.21 | 0.78 |
| | | Sep | 1.50 | 0.26 | 0.71 |
| | | Oct | 3.80 | 1.14 | 2.10 |
| | | Nov | 1.16 | 0.04 | 0.44 |
| | | Dec | 1.39 | 0.01 | 0.50 |
| | 2014 | Jan | -0.57 | 0.62 | 0.19 |
| | | Feb | -0.63 | 0.62 | 0.17 |
| | | Mar | 0.27 | 0.83 | 0.63 |
| | | Apr | 0.43 | 0.52 | 0.49 |
| | | May | 0.31 | 2.21 | 1.52 |
| | | Jun | 1.29 | 0.20 | 0.60 |

Source: CPI Bulletin June 2014, National Accounts Division, NSB, Thimphu

**Table 16.5: Month-on-Month Consumer Price Index (CPI), & Percent Change for Imported Goods, 2013 & 2014**

| Group | | | Food | Non-Food | Total |
|---|---|---|---|---|---|
| Weights | | | 22.77 | 29.84 | 52.61 |
| Index (December 2012=100) | 2012 | Dec | 100.00 | 100.00 | 100.00 |
| | 2013 | Jan | 100.54 | 101.78 | 101.24 |
| | | Feb | 101.09 | 102.70 | 102.00 |
| | | Mar | 101.68 | 103.81 | 102.88 |
| | | Apr | 104.33 | 104.72 | 104.55 |
| | | May | 104.65 | 105.49 | 105.13 |
| | | Jun | 106.69 | 106.38 | 106.51 |
| | | Jul | 108.12 | 111.65 | 110.11 |
| | | Aug | 109.58 | 109.30 | 109.42 |
| | | Sep | 110.34 | 110.14 | 110.23 |
| | | Oct | 111.92 | 110.23 | 110.96 |
| | | Nov | 112.56 | 110.68 | 111.49 |
| | | Dec | 113.30 | 110.96 | 111.96 |
| | 2014 | Jan | 113.55 | 111.98 | 112.66 |
| | | Feb | 114.54 | 111.61 | 112.87 |
| | | Mar | 114.35 | 111.28 | 112.60 |
| | | Apr | 115.93 | 111.43 | 113.36 |
| | | May | 117.13 | 110.28 | 113.20 |
| | | Jun | 118.22 | 110.71 | 113.90 |
| Change(%) | 2013 | Jan | 0.54 | 1.78 | 1.24 |
| | | Feb | 0.54 | 0.91 | 0.75 |
| | | Mar | 0.59 | 1.08 | 0.87 |
| | | Apr | 2.61 | 0.88 | 1.62 |
| | | May | 0.31 | 0.74 | 0.55 |
| | | Jun | 1.95 | 0.84 | 1.32 |
| | | Jul | 1.34 | 4.95 | 3.37 |
| | | Aug | 1.36 | -2.10 | -0.61 |
| | | Sep | 0.69 | 0.77 | 0.73 |
| | | Oct | 1.43 | 0.08 | 0.66 |
| | | Nov | 0.57 | 0.41 | 0.48 |
| | | Dec | 0.66 | 0.25 | 0.43 |
| | 2014 | Jan | 0.22 | 0.92 | 0.62 |
| | | Feb | 0.88 | -0.33 | 0.19 |
| | | Mar | -0.17 | -0.30 | -0.24 |
| | | Apr | 1.38 | 0.14 | 0.67 |
| | | May | 1.04 | -1.03 | -0.14 |
| | | Jun | 0.93 | 0.39 | 0.62 |

Source: CPI Bulletin June 2014, National Accounts Division, NSB, Thimphu

**Table 16.6: Month-on-Month Consumber Price Index (CPI), and Percent Change by Group 2013 & 2014**

| 12 Major Groups | | | Food and non-alcoholic Beverages | Alcoholic Beverages and Narcotics | Clothing and Footwear | Housing, Water, Electricity, Gas and other Fuels | Furnishing, Household Equipment and Routine Maintenance of the House. | Health | Transport | Communication | Recreational and Culture | Education | Restuarents and Hotels | Miscellaneous Goods and Services |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Weights | | | 36.88 | 3.03 | 9.20 | 21.70 | 2.22 | 4.67 | 11.98 | 3.03 | 2.35 | 1.64 | 1.24 | 2.06 |
| Index (December 2012=100) | 2012 | Dec | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| | 2013 | Jan | 101.19 | 102.81 | 102.02 | 103.29 | 105.11 | 100.19 | 102.77 | 100.06 | 104.15 | 100.00 | 103.09 | 103.44 |
| | | Feb | 101.81 | 109.18 | 104.38 | 103.28 | 109.34 | 100.20 | 102.41 | 100.16 | 105.16 | 100.00 | 104.55 | 103.88 |
| | | Mar | 102.18 | 105.90 | 105.46 | 103.73 | 111.81 | 101.26 | 102.89 | 100.17 | 106.12 | 108.35 | 106.47 | 104.44 |
| | | Apr | 103.86 | 107.77 | 106.52 | 103.80 | 112.41 | 102.27 | 102.97 | 100.20 | 107.66 | 108.35 | 106.70 | 107.28 |
| | | May | 103.52 | 113.85 | 107.58 | 104.02 | 114.65 | 102.59 | 103.21 | 100.52 | 107.43 | 108.35 | 108.21 | 108.90 |
| | | Jun | 105.37 | 115.98 | 109.16 | 106.33 | 114.71 | 104.34 | 103.24 | 100.18 | 107.87 | 108.35 | 108.46 | 109.91 |
| | | July | 107.13 | 118.66 | 109.40 | 113.08 | 115.74 | 104.53 | 103.47 | 100.22 | 108.01 | 109.63 | 109.59 | 111.50 |
| | | Aug | 108.92 | 119.01 | 113.64 | 107.73 | 117.13 | 104.58 | 103.86 | 100.22 | 108.60 | 109.63 | 110.59 | 113.44 |
| | | Sep | 109.29 | 130.60 | 114.94 | 107.79 | 118.82 | 104.58 | 104.63 | 100.22 | 108.66 | 109.63 | 115.24 | 114.36 |
| | | Oct | 112.14 | 131.05 | 115.57 | 109.53 | 119.31 | 104.58 | 104.44 | 99.58 | 108.37 | 109.63 | 115.24 | 114.88 |
| | | Nov | 113.09 | 131.61 | 116.52 | 109.58 | 120.10 | 105.17 | 104.46 | 99.58 | 108.37 | 109.63 | 115.24 | 115.10 |
| | | Dec | 114.25 | 131.76 | 117.01 | 109.58 | 120.61 | 105.17 | 104.57 | 99.58 | 108.34 | 109.63 | 115.24 | 115.97 |
| | 2014 | Jan | 114.02 | 132.68 | 118.79 | 109.74 | 122.52 | 106.98 | 106.26 | 99.77 | 108.86 | 109.63 | 113.03 | 115.57 |
| | | Feb | 114.22 | 133.67 | 117.69 | 110.14 | 123.37 | 104.64 | 106.54 | 99.76 | 110.48 | 114.96 | 112.92 | 117.84 |
| | | Mar | 114.21 | 134.02 | 117.82 | 111.38 | 123.54 | 103.66 | 106.36 | 99.73 | 109.63 | 114.96 | 113.00 | 117.11 |
| | | Apr | 115.40 | 133.85 | 119.33 | 112.16 | 122.30 | 104.31 | 105.74 | 99.64 | 109.80 | 114.96 | 113.45 | 116.34 |
| | | May | 116.32 | 133.57 | 114.47 | 115.75 | 123.05 | 104.93 | 105.97 | 99.57 | 109.44 | 114.96 | 112.35 | 116.67 |
| | | Jun | 117.63 | 134.14 | 115.34 | 116.68 | 123.05 | 104.95 | 106.35 | 95.47 | 109.55 | 114.96 | 112.70 | 117.30 |

*(continued on next page)*

**Table 16.6: Month-on-Month Consumber Price Index (CPI), and Percent Change by Group 2013 & 2014** *(continued)*

| 12 Major Groups | | | Food and non-alcoholic Beverages | Alcoholic Beverages and Narcotics | Clothing and Footwear | Housing, Water, Electricity, Gas and other Fuels | Furnishing, Household Equipment and Routine Maintenance of the House. | Health | Transport | Communication | Recreational and Culture | Education | Restuarents and Hotels | Miscellaneous Goods and Services |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Weights | | | 36.88 | 3.03 | 9.20 | 21.70 | 2.22 | 4.67 | 11.98 | 3.03 | 2.35 | 1.64 | 1.24 | 2.06 |
| Change (%) | 2013 | Jan | 1.19 | 2.81 | 2.02 | 3.29 | 5.11 | 0.19 | 2.77 | 0.06 | 4.15 | 0.00 | 3.09 | 3.44 |
| | | Feb | 0.61 | 6.20 | 2.31 | -0.01 | 4.02 | 0.01 | -0.35 | 0.10 | 0.97 | 0.00 | 1.41 | 0.43 |
| | | Mar | 0.37 | -3.00 | 1.04 | 0.43 | 2.26 | 1.05 | 0.46 | 0.01 | 0.91 | 8.35 | 1.84 | 0.54 |
| | | Apr | 1.64 | 1.77 | 1.00 | 0.07 | 0.54 | 1.00 | 0.08 | 0.03 | 1.46 | 0.00 | 0.22 | 2.72 |
| | | May | -0.33 | 5.64 | 0.99 | 0.22 | 1.99 | 0.32 | 0.23 | 0.32 | -0.22 | 0.00 | 1.41 | 1.51 |
| | | Jun | 1.78 | 1.87 | 1.48 | 2.22 | 0.06 | 1.71 | 0.03 | -0.34 | 0.41 | 0.00 | 0.23 | 0.92 |
| | | July | 1.67 | 2.31 | 0.22 | 6.35 | 0.89 | 0.18 | 0.22 | 0.04 | 0.13 | 1.18 | 1.04 | 1.45 |
| | | Aug | 1.67 | 0.30 | 3.87 | -4.73 | 1.20 | 0.06 | 0.38 | 0.00 | 0.55 | 0.00 | 0.91 | 1.73 |
| | | Sep | 0.34 | 9.75 | 1.15 | 0.06 | 1.44 | -0.00 | 0.74 | 0.00 | 0.05 | 0.00 | 4.21 | 0.82 |
| | | Oct | 2.61 | 0.34 | 0.55 | 1.61 | 0.41 | -0.00 | -0.18 | -0.64 | -0.27 | 0.00 | 0.00 | 0.45 |
| | | Nov | 0.84 | 0.43 | 0.82 | 0.05 | 0.66 | 0.56 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 |
| | | Dec | 1.03 | 0.11 | 0.42 | 0.01 | 0.43 | -0.00 | 0.11 | 0.00 | -0.03 | 0.00 | 0.00 | 0.76 |
| | 2014 | Jan | -0.20 | 0.70 | 1.52 | 0.14 | 1.59 | 1.72 | 1.61 | 0.19 | 0.48 | 0.00 | -1.91 | -0.34 |
| | | Feb | 0.17 | 0.75 | -0.92 | 0.36 | 0.69 | -2.18 | 0.26 | -0.01 | 1.50 | 4.86 | -0.11 | 1.96 |
| | | Mar | -0.01 | 0.26 | 0.11 | 1.13 | 0.13 | -0.94 | -0.17 | -0.03 | -0.78 | 0.00 | 0.07 | -0.62 |
| | | Apr | 1.04 | -0.13 | 1.28 | 0.71 | -1.00 | 0.62 | -0.58 | -0.10 | 0.16 | 0.00 | 0.40 | -0.66 |
| | | May | 0.79 | -0.20 | -4.07 | 3.20 | 0.61 | 0.60 | 0.22 | -0.07 | -0.33 | 0.00 | -0.96 | 0.28 |
| | | Jun | 1.13 | 0.43 | 0.76 | 0.80 | 0.00 | 0.01 | 0.36 | -4.11 | 0.11 | 0.00 | 0.31 | 0.54 |

Source: CPI Bulletin June 2014, National Accounts Division, NSB, Thimphu

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

| Sectors | | Agri-culture, Forestry and Logging | Mining and quarry-ing | Manu-factur-ing | Electric-ity, gas, steam and air condi-tioning supply | Water supply; sewerage, waste man-agement and remediation activities | Transport and Stor-age | Informa-tion and commu-nication | All Indus-try |
|---|---|---|---|---|---|---|---|---|---|
| Share (%) | | 0.72 | 5.81 | 47.66 | 35.35 | 0.08 | 5.91 | 4.47 | 100 |
| 2012 | Jan | 100.00 | 103.29 | 102.31 | 104.54 | 104.59 | 109.62 | 99.68 | 103.43 |
| | Feb | 100.00 | 103.38 | 102.53 | 104.54 | 104.59 | 107.16 | 99.68 | 103.41 |
| | Mar | 100.00 | 103.40 | 103.92 | 104.54 | 104.59 | 108.54 | 99.68 | 104.15 |
| | Apr | 112.38 | 103.73 | 105.03 | 104.54 | 104.59 | 110.29 | 99.68 | 104.89 |
| | May | 112.38 | 103.93 | 107.98 | 104.54 | 104.59 | 113.36 | 99.50 | 106.46 |
| | Jun | 112.38 | 104.37 | 107.96 | 104.54 | 104.59 | 115.17 | 99.50 | 106.57 |
| | Jul | 112.38 | 106.09 | 107.64 | 104.75 | 104.59 | 114.61 | 99.50 | 106.57 |
| | Aug | 112.38 | 106.84 | 107.03 | 104.75 | 104.59 | 114.62 | 99.50 | 106.32 |
| | Sep | 112.38 | 106.80 | 106.65 | 104.75 | 104.59 | 114.05 | 99.50 | 106.11 |
| | Oct | 112.38 | 107.12 | 107.29 | 104.75 | 104.59 | 113.11 | 99.50 | 106.38 |
| | Nov | 112.38 | 107.30 | 108.15 | 104.75 | 104.59 | 114.14 | 99.50 | 106.85 |
| | Dec | 112.38 | 107.27 | 107.74 | 104.75 | 104.59 | 113.56 | 99.50 | 106.63 |
| 2013 | Jan | 112.38 | 111.67 | 107.19 | 104.75 | 104.59 | 114.08 | 99.50 | 106.64 |
| | Feb | 112.38 | 111.33 | 107.71 | 104.75 | 104.59 | 113.76 | 96.50 | 106.71 |
| | Mar | 112.38 | 111.86 | 107.25 | 104.75 | 104.59 | 114.13 | 96.50 | 106.54 |
| | Apr | 112.38 | 111.80 | 106.79 | 104.75 | 104.59 | 114.12 | 96.50 | 106.32 |
| | May | 112.38 | 112.01 | 107.17 | 104.75 | 104.59 | 114.50 | 96.50 | 106.53 |
| | Jun | 112.38 | 112.32 | 107.26 | 104.75 | 104.59 | 116.36 | 89.81 | 106.35 |

Source: PPI 2nd Qtr 2013, National Accounts Division, NSB, Thimphu.

**Table 16.8: Annual Percent Change in Producer Price Index (PPI), by Industry, 2012 & 2013**

| Sectors | Share (%) | 2012 | | | | 2013 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun |
| Agriculture, Forestry and Logging | 0.72 | 12.38 | 12.38 | 12.38 | 12.38 | 12.38 | 12.38 | 12.38 | 0.00 | 0.00 | 0.00 |
| Mining and quarrying | 5.81 | 6.80 | 5.69 | 4.89 | 4.55 | 8.12 | 7.69 | 8.18 | 7.78 | 7.78 | 7.61 |
| Manufacturing | 47.66 | 6.65 | 8.52 | 8.86 | 7.45 | 4.77 | 5.05 | 3.20 | 1.68 | -0.75 | -0.64 |
| Electricity, gas, steam and air conditioning supply | 35.35 | 4.75 | 4.75 | 4.75 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| Water supply; sewerage, waste management and remediation activities | 0.08 | 4.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Transport and Storage | 5.91 | 14.05 | 4.55 | 3.68 | 2.06 | 4.07 | 6.16 | 5.15 | 3.47 | 1.01 | 1.03 |
| Information and communication | 4.47 | -0.50 | -0.50 | 1.28 | 1.28 | -0.18 | -3.19 | -3.19 | -3.19 | -3.02 | -9.74 |
| All Industry | 100. | 6.11 | 6.38 | 6.52 | 4.10 | 3.11 | 3.19 | 2.29 | 1.36 | 0.07 | -0.21 |

Source: PPI 2nd Qtr 2013, National Accounts Division, NSB, Thimphu.

**Table 16.9: Monthly percent change in Producer Price Index (PPI) by Industry, 2012 & 2013**

| Sectors | | Agriculture, Forestry and Logging | Mining and quarrying | Manufacturing | Electricity, gas, steam and air conditioning supply | Water supply; sewerage, waste management and remediation activities | Transport and Storage | Information and communication | All Industry |
|---|---|---|---|---|---|---|---|---|---|
| Share (%) | | 0.72 | 5.81 | 47.66 | 35.35 | 0.08 | 5.91 | 4.47 | 100 |
| 2012 | Jan | 0.00 | 0.67 | 2.03 | 0.00 | 0.00 | -1.48 | 1.46 | 0.98 |
| | Feb | 0.00 | 0.09 | 0.22 | 0.00 | 0.00 | -2.25 | 0.00 | -0.02 |
| | Mar | 0.00 | 0.02 | 1.36 | 0.00 | 0.00 | 1.29 | 0.00 | 0.72 |
| | Apr | 12.38 | 0.32 | 1.06 | 0.00 | 0.00 | 1.61 | 0.00 | 0.70 |
| | May | 0.00 | 0.20 | 2.81 | 0.00 | 0.00 | 2.78 | -0.18 | 1.50 |
| | Jun | 0.00 | 0.42 | -0.02 | 0.00 | 0.00 | 1.60 | 0.00 | 0.11 |
| | Jul | 0.00 | 1.65 | -0.30 | 0.20 | 0.00 | -0.49 | 0.00 | -0.00 |
| | Aug | 0.00 | 0.71 | -0.56 | 0.00 | 0.00 | 0.01 | 0.00 | -0.23 |
| | Sep | 0.00 | -0.04 | -0.35 | 0.00 | 0.00 | -0.50 | 0.00 | -0.20 |
| | Oct | 0.00 | 0.30 | 0.60 | 0.00 | 0.00 | -0.82 | 0.00 | 0.25 |
| | Nov | 0.00 | 0.17 | 0.79 | 0.00 | 0.00 | 0.91 | 0.00 | 0.44 |
| | Dec | 0.00 | -0.03 | -0.38 | 0.00 | 0.00 | -0.51 | 0.00 | -0.21 |
| 2013 | Jan | 0.00 | 4.11 | -0.51 | 0.00 | 0.00 | 0.46 | 0.00 | 0.02 |
| | Feb | 0.00 | -0.31 | 0.49 | 0.00 | 0.00 | -0.29 | -3.02 | 0.06 |
| | Mar | 0.00 | 0.48 | -0.43 | 0.00 | 0.00 | 0.33 | 0.00 | -0.16 |
| | Apr | 0.00 | -0.06 | -0.43 | 0.00 | 0.00 | -0.01 | 0.00 | -0.21 |
| | May | 0.00 | 0.19 | 0.36 | 0.00 | 0.00 | 0.33 | 0.00 | 0.20 |
| | Jun | 0.00 | 0.27 | 0.09 | 0.00 | 0.00 | 1.62 | -6.93 | -0.17 |

Source: PPI 2nd Qtr 2013, National Accounts Division, NSB, Thimphu.

**Table 16.10: Monthly Producer Price Index (PPI) by Product, 2012 & 2013**

| CPC Code | | Section 0 | Section 1 | Section 2 | Section 3 | Section 4 | Section 6 | Section 8 | |
|---|---|---|---|---|---|---|---|---|---|
| Description | | 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 |
| Share (%) | | 0.72 | 5.81 | 3.56 | 15.36 | 28.75 | 41.34 | 4.47 | 100 |
| 2012 | Jan | 100.00 | 103.29 | 103.62 | 105.31 | 100.58 | 105.25 | 99.68 | 103.43 |
| | Feb | 100.00 | 103.38 | 103.00 | 106.22 | 100.56 | 104.91 | 99.68 | 103.41 |
| | Mar | 100.00 | 103.40 | 104.05 | 106.28 | 102.67 | 105.10 | 99.68 | 104.15 |
| | Apr | 112.38 | 103.73 | 105.25 | 109.65 | 102.61 | 105.34 | 99.68 | 104.89 |
| | May | 112.38 | 103.93 | 105.81 | 112.15 | 106.08 | 105.75 | 99.50 | 106.46 |
| | Jun | 112.38 | 104.37 | 105.11 | 112.23 | 106.09 | 105.99 | 99.50 | 106.57 |
| | Jul | 112.38 | 106.09 | 105.05 | 112.08 | 105.65 | 106.10 | 99.50 | 106.57 |
| | Aug | 112.38 | 106.84 | 105.79 | 112.05 | 104.59 | 106.10 | 99.50 | 106.32 |
| | Sep | 112.38 | 106.80 | 107.16 | 111.95 | 103.87 | 106.03 | 99.50 | 106.11 |
| | Oct | 112.38 | 107.12 | 106.80 | 112.96 | 104.44 | 105.90 | 99.50 | 106.38 |
| | Nov | 112.38 | 107.30 | 106.94 | 113.31 | 105.63 | 106.04 | 99.50 | 106.85 |
| | Dec | 112.38 | 107.27 | 108.66 | 113.02 | 104.91 | 105.96 | 99.50 | 106.63 |
| 2013 | Jan | 112.38 | 111.67 | 108.41 | 113.72 | 103.71 | 106.03 | 99.50 | 106.64 |
| | Feb | 112.38 | 111.33 | 110.44 | 113.88 | 104.23 | 105.99 | 96.50 | 106.71 |
| | Mar | 112.38 | 111.86 | 109.05 | 113.93 | 103.63 | 106.04 | 96.50 | 106.54 |
| | Apr | 112.38 | 111.80 | 107.78 | 113.85 | 103.08 | 106.04 | 96.50 | 106.32 |
| | May | 112.38 | 112.01 | 107.26 | 113.97 | 103.69 | 106.09 | 96.50 | 106.53 |
| | Jun | 112.38 | 112.32 | 107.15 | 113.94 | 103.87 | 106.33 | 89.81 | 106.35 |

Source: PPI 2nd Qtr 2013, National Accounts Division, NSB, Thimphu.

**Table 16.11: Annual Percent Change in Producer Price Index (PPI) by Product, 2012 & 2013**

| CPC Code | Description | Share (%) | 2012 | | | | 2013 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun |
| Section 0 | Agriculture, Forestry and Fishery Products | 0.72 | 12.38 | 12.38 | 12.38 | 12.38 | 12.38 | 12.38 | 12.38 | 0.00 | 0.00 | 0.00 |
| Section 1 | Ores and Minerals; Electricity, gas and water | 5.81 | 6.80 | 5.69 | 4.89 | 4.55 | 8.12 | 7.69 | 8.18 | 7.78 | 7.78 | 7.61 |
| Section 2 | Food products, beverages and tobacco; textiles, apparel and leather products | 3.56 | 7.16 | 5.34 | 5.76 | 6.98 | 4.63 | 7.23 | 4.80 | 2.40 | 1.37 | 1.93 |
| Section 3 | Other transportable goods, except metal products, machinery and equipment | 15.36 | 11.95 | 10.11 | 10.29 | 10.02 | 7.99 | 7.21 | 7.20 | 3.83 | 1.62 | 1.52 |
| Section 4 | Metal products, machinery and equipment | 28.75 | 3.87 | 8.08 | 8.49 | 6.15 | 3.11 | 3.65 | 0.94 | 0.45 | -2.25 | -2.09 |
| Section 6 | Distributive trade services; accommodation, food and beverage serving services; transport services; and electricity, gas and water distribution services | 41.34 | 6.03 | 4.71 | 4.58 | 0.47 | 0.75 | 1.03 | 0.89 | 0.66 | 0.32 | 0.32 |
| Section 8 | Business and production services | 4.47 | -0.50 | -0.50 | 1.28 | 1.28 | -0.18 | -3.19 | -3.19 | -3.19 | -3.02 | -9.74 |
| All Product | | 100 | 6.11 | 6.38 | 6.52 | 4.10 | 3.11 | 3.19 | 2.29 | 1.36 | 0.07 | -0.21 |

Source: PPI 2nd Qtr 2013, National Accounts Division, NSB, Thimphu.

**Table 16.12: Monthly Percent Change in Producer Price Index (PPI) by Product, 2012 & 2013**

| CPC Code | | Section 0 | Section 1 | Section 2 | Section 3 | Section 4 | Section 6 | Section 8 | |
|---|---|---|---|---|---|---|---|---|---|
| Description | | 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 |
| Share (%) | | 0.72 | 5.81 | 3.56 | 15.36 | 28.75 | 41.34 | 4.47 | 100 |
| 2012 | Jan | 0.00 | 0.67 | 2.02 | 2.51 | 1.77 | -0.21 | 1.46 | 0.98 |
| | Feb | 0.00 | 0.09 | -0.60 | 0.87 | -0.02 | -0.32 | 0.00 | -0.02 |
| | Mar | 0.00 | 0.02 | 1.02 | 0.06 | 2.10 | 0.18 | 0.00 | 0.72 |
| | Apr | 12.38 | 0.32 | 1.15 | 3.17 | -0.06 | 0.23 | 0.00 | 0.70 |
| | May | 0.00 | 0.20 | 0.53 | 2.28 | 3.38 | 0.39 | -0.18 | 1.50 |
| | Jun | 0.00 | 0.42 | -0.66 | 0.07 | 0.01 | 0.23 | 0.00 | 0.11 |
| | Jul | 0.00 | 1.65 | -0.06 | -0.13 | -0.41 | 0.10 | 0.00 | -0.00 |
| | Aug | 0.00 | 0.71 | 0.70 | -0.03 | -1.00 | 0.00 | 0.00 | -0.23 |
| | Sep | 0.00 | -0.04 | 1.29 | -0.09 | -0.69 | -0.07 | 0.00 | -0.20 |
| | Oct | 0.00 | 0.30 | -0.34 | 0.90 | 0.55 | -0.12 | 0.00 | 0.25 |
| | Nov | 0.00 | 0.17 | 0.13 | 0.31 | 1.14 | 0.13 | 0.00 | 0.44 |
| | Dec | 0.00 | -0.03 | 1.61 | -0.26 | -0.68 | -0.07 | 0.00 | -0.21 |
| 2013 | Jan | 0.00 | 4.11 | -0.23 | 0.62 | -1.15 | 0.07 | 0.00 | 0.02 |
| | Feb | 0.00 | -0.31 | 1.87 | 0.15 | 0.50 | -0.04 | -3.02 | 0.06 |
| | Mar | 0.00 | 0.48 | -1.27 | 0.04 | -0.57 | 0.05 | 0.00 | -0.16 |
| | Apr | 0.00 | -0.06 | -1.16 | -0.07 | -0.53 | -0.00 | 0.00 | -0.21 |
| | May | 0.00 | 0.19 | -0.48 | 0.10 | 0.59 | 0.05 | 0.00 | 0.20 |
| | Jun | 0.00 | 0.27 | -0.11 | -0.03 | 0.18 | 0.23 | -6.93 | -0.17 |

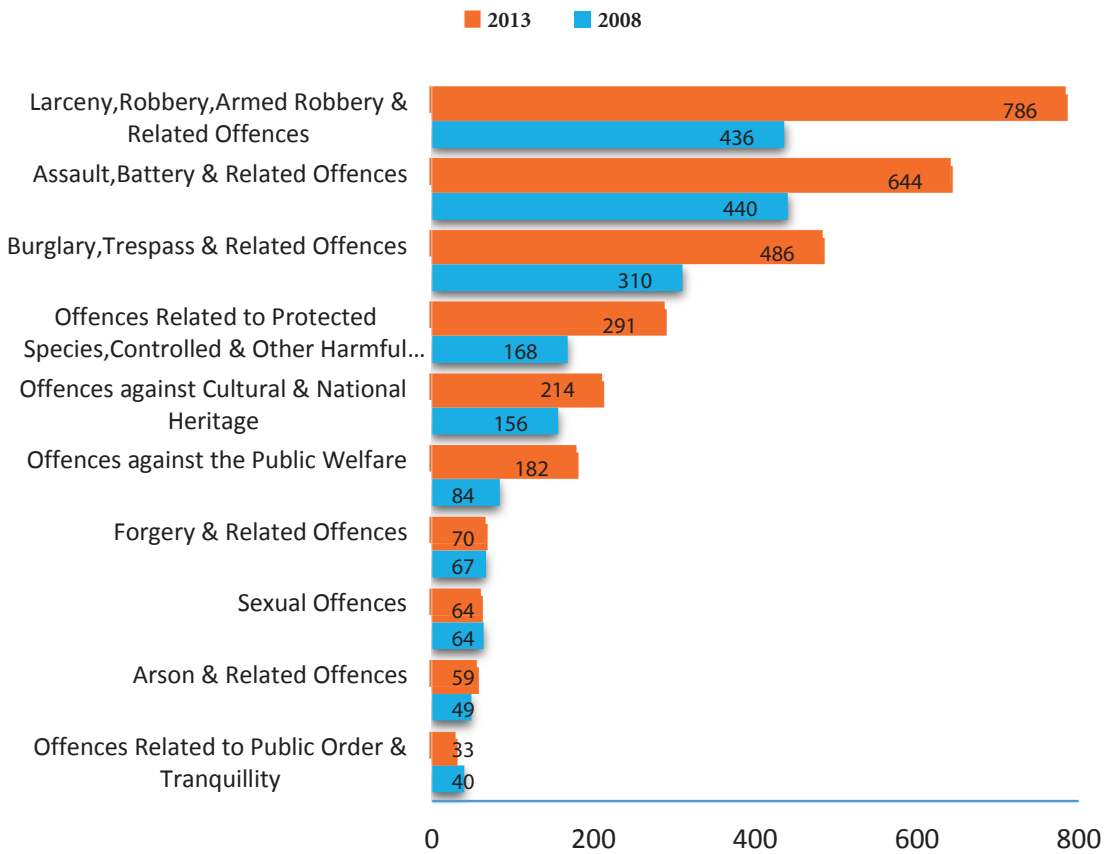
Source: PPI 2nd Qtr 2013, National Accounts Division, NSB, Thimphu.

# CRIMES

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

As of 2008 there were 2,003 reported cases and it increased to 2,935 in 2013. The reported figures excludes motor vehicle accidents.

**Top Ten Crime Incidents by Type of Offences, Bhutan (2008 & 2013)**



## Table 17.1: Total Number of Crime Incidents and Type of Offences by Dzongkhag, Bhutan 2013

(Incidents)

| Nature of Crime | Bumthang | Chhukha | Dagana | Gasa | Haa | Lhuentse | Monggar | Paro | P/ Gatshel | Punakha | S/ Jongkhar | Samtse | Sarpang | Thimphu | Trashigang | Tr/ Yangtse | Trongsa | Tsirang | W/ Phodrang | Zhemgang | Bhutan |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Crime Against the Person | | | | | | | | | | | | | | | | | | | | | |
| Homicide | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 2 | 2 | 1 | 0 | 1 | 2 | 0 | 3 | 1 | 24 |
| Assault,Battery & Related Offences | 17 | 50 | 22 | 5 | 6 | 17 | 25 | 43 | 9 | 21 | 14 | 15 | 28 | 211 | 36 | 7 | 21 | 13 | 77 | 7 | 644 |
| Kidnapping & Related offences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| Sexual Offences | 1 | 4 | 4 | 2 | 1 | 0 | 2 | 2 | 0 | 2 | 4 | 8 | 6 | 11 | 6 | 1 | 0 | 2 | 5 | 3 | 64 |
| Offences against Infant,Child,-Mentally disabled & Incompetent person | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 4 |
| Crime Against the Property | | | | | | | | | | | | | | | | | | | | | |
| Arson & Related Offences | 1 | 4 | 1 | 0 | 2 | 1 | 4 | 4 | 1 | 0 | 1 | 2 | 3 | 15 | 9 | 2 | 1 | 1 | 5 | 2 | 59 |
| Burglary,Trespass & Related Offences | 10 | 33 | 15 | 0 | 4 | 2 | 7 | 47 | 0 | 13 | 7 | 8 | 22 | 256 | 12 | 4 | 12 | 3 | 30 | 1 | 486 |
| Larceny,Robbery,Armed Robbery & Related Offences | 12 | 119 | 5 | 3 | 2 | 7 | 15 | 35 | 0 | 8 | 16 | 7 | 33 | 447 | 10 | 6 | 12 | 11 | 37 | 1 | 786 |

*(continued on next page)*

**Table 17.1: Total Number of Crime Incidents and Type of Offences by Dzongkhag, Bhutan 2013** *(continued)*

(Incidents)

| Nature of Crime | Bumthang | Chhukha | Dagana | Gasa | Haa | Lhuentse | Monggar | Paro | P/ Gatshel | Punakha | S/ Jongkhar | Samtse | Sarpang | Thimphu | Trashigang | Tr/ Yangtse | Trongsa | Tsirang | W/ Phodrang | Zhemgang | Bhutan |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Incidents of Commercial Crime, Fraud and Related Offence | | | | | | | | | | | | | | | | | | | | | |
| Money Laundering & Smuggling | 0 | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 15 |
| Embezzlement & Bribery | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 4 |
| Forgery & Related Offences | 0 | 6 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 3 | 3 | 47 | 2 | 0 | 0 | 0 | 3 | 2 | 70 |
| Defamation & Related Offences | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Incidents of Crime Against State & Public Order | | | | | | | | | | | | | | | | | | | | | |
| Treason,Terrorism & Related Offences | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 7 |
| Offences against Cultural & National Heritage | 10 | 1 | 3 | 0 | 1 | 8 | 55 | 15 | 9 | 6 | 1 | 0 | 0 | 9 | 58 | 16 | 5 | 0 | 12 | 5 | 214 |
| Offences against Judicial Authority | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Prostitution & Related Offences | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

*(continued on next page)*

**Table 17.1: Total Number of Crime Incidents and Type of Offences by Dzongkhag, Bhutan 2013** *(continued)*

(Incidents)

| Nature of Crime | Bumthang | Chhukha | Dagana | Gasa | Haa | Lhuentse | Monggar | Paro | P/ Gatshel | Punakha | S/ Jongkhar | Samtse | Sarpang | Thimphu | Trashigang | Tr/ Yangtse | Trongsa | Tsirang | W/ Phodrang | Zhemgang | Bhutan |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Offences against the Public Welfare | 5 | 4 | 3 | 0 | 3 | 0 | 6 | 4 | 0 | 1 | 1 | 4 | 5 | 116 | 7 | 4 | 4 | 2 | 12 | 1 | 182 |
| Offences Related to Public & Civic Duties | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 1 | 1 | 0 | 0 | 7 |
| Offences Related to Public Order & Tranquillity | 0 | 5 | 1 | 0 | 2 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 3 | 5 | 2 | 0 | 1 | 1 | 9 | 0 | 33 |
| Incidents of Abetting,Solici-taion & Criminal Conspiracy | | | | | | | | | | | | | | | | | | | | | |
| Aiding & Abetting,Solicitaion & Criminal Conspiracy | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| Incidents of Micellaneous Crime | | | | | | | | | | | | | | | | | | | | | |
| Offences against Privacy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Computer Offences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Offences Related to Fire Arms & Weapons | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 2 | 9 | 5 | 0 | 0 | 0 | 3 | 0 | 23 |
| Offences Related to Protected Species,Controlled & Other Harmful Substances | 4 | 99 | 2 | 0 | 3 | 1 | 1 | 12 | 0 | 4 | 6 | 10 | 13 | 114 | 3 | 1 | 1 | 6 | 11 | 0 | 291 |
| Grand Total | 62 | 342 | 58 | 10 | 25 | 37 | 120 | 172 | 20 | 60 | 54 | 65 | 122 | 1,250 | 153 | 42 | 60 | 41 | 209 | 23 | 2,925 |

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

**Table 17.2: Monthly Motor Vehicle Accident by Dzongkhag, Bhutan 2013**

(Incidents)

| Dzongkhag | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bumthang | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Chhukha | 25 | 20 | 10 | 12 | 14 | 9 | 20 | 18 | 20 | 15 | 13 | 10 | 186 |
| Dagana | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 5 |
| Gasa | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Haa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lhuentse | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Monggar | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 4 |
| Paro | 4 | 3 | 2 | 1 | 2 | 2 | 1 | 2 | 8 | 8 | 2 | 2 | 37 |
| P/ Gatshel | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 7 |
| Punakha | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 4 |
| S/Jongkhar | 2 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 0 | 12 |
| Samtse | 1 | 1 | 1 | 2 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 9 |
| Sarpang | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 1 | 2 | 2 | 10 |
| Thimphu | 55 | 50 | 44 | 51 | 48 | 73 | 51 | 71 | 62 | 82 | 67 | 87 | 741 |
| Trashigang | 0 | 2 | 2 | 2 | 2 | 0 | 1 | 0 | 3 | 1 | 0 | 3 | 16 |
| T/ Yangtse | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 |
| Trongsa | 1 | 0 | 3 | 2 | 1 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 11 |
| Tsirang | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 |
| W/Phodrang | 4 | 10 | 9 | 5 | 2 | 2 | 3 | 1 | 1 | 0 | 0 | 1 | 38 |
| Zhemgang | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 5 |
| Bhutan | 98 | 91 | 72 | 77 | 74 | 91 | 80 | 102 | 99 | 111 | 87 | 112 | 1094 |

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

**Table 17.3: Houses Destroyed by Fire by Dzongkhag, Bhutan (2010-2013)**

(Incidents)

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

Source: Fire Division, Royal Bhutan Police, Thimphu.

**Table 17.4: Fines Imposed for Violation of Traffic Rules by Divisions, Bhutan (2009-2013)**

(Nu. in million)

| Dzongkhag | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---|---|---|---|---|
| Division I | 0.419 | 0.746 | 0.918 | 2.031 | 1.161 |
| Division II | 0.219 | 0.369 | 0.292 | 0.598 | 0.364 |
| Division III | 1.079 | 1.018 | 1.707 | 2.447 | 2.02 |
| Division IV | 0.050 | 0.184 | 0.646 | 0.474 | 0.661 |
| Division V | 0.207 | 0.477 | 0.622 | 0.481 | 0.725 |
| Division VI | 0.024 | 0.310 | 0.355 | 0.773 | 0.035 |
| Division VII | 0.076 | 0.471 | 0.233 | 0.726 | 0.094 |
| Division VIII | 0.027 | 0.176 | 0.348 | 0.782 | 0.338 |
| Division IX | 0.106 | 0.281 | 0.511 | 0.352 | 0.292 |
| Division X | 0.100 | 0.274 | 0.451 | 0.191 | 0.444 |
| Division XI | 1.953 | 2.790 | 3.346 | 21.08 | 11.46 |
| Division XII | 0.228 | 0.615 | 0.836 | 1.221 | 0.769 |
| Total | 4.488 | 7.711 | 10.265 | 31.156 | 18.363 |

Source: Traffic Division, Royal Bhutan Police, Thimphu.