

Table 6.1: Average Monthly Temperature, (2018-2022)

(degrees celsius)

Month	2018			2019			2020			2021			2022		
	Max	Min	Average	Max	Min	Average	Max	Min	Average	Max	Min	Average	Max	Min	Average
January	21.10	10.10	15.60	21.10	10.60	15.80	18.00	10.00	14.00	19.50	10.80	15.15	19.5	10.8	15.1
February	21.60	11.70	16.65	21.00	11.70	16.40	19.80	11.70	15.70	21.40	12.50	16.95	21.4	12.5	16.9
March	24.60	14.50	19.55	22.40	14.00	18.20	22.60	15.00	18.80	23.80	15.60	19.70	23.8	15.6	19.7
April	25.80	16.80	21.30	24.70	17.00	20.80	24.70	16.10	20.40	26.50	17.50	22.00	26.5	17.5	22
May	19.40	26.20	18.30	24.90	18.10	21.50	24.90	18.00	21.40	25.50	19.30	22.40	25.5	19.3	22.4
June	22.00	27.80	20.90	27.60	20.80	24.20	25.90	20.40	23.20	26.00	20.90	23.45	26	20.9	23.5
July	22.30	28.50	21.50	26.50	21.00	23.70	25.10	20.20	22.70	26.20	21.30	23.75	26.2	21.3	23.7
August	22.75	28.90	21.30	28.80	21.50	25.10	25.60	21.60	24.30	26.00	21.30	23.65	26	21.3	23.7
September	20.80	27.20	20.00	25.50	20.70	23.10	27.00	20.60	23.10	28.90	21.00	24.95	28.9	21	24.9
October	17.45	26.10	16.20	24.40	17.70	21.10	26.80	18.80	22.80	27.50	19.00	23.25	27.5	19	23.3
November	14.50	23.30	13.30	23.30	16.20	19.70	24.90	14.10	19.50	25.30	14.50	19.90	25.3	14.5	19.9
December	11.35	20.90	11.10	19.80	11.10	15.50	21.30	11.30	16.30	22.90	12.40	17.65	22.9	12.4	17.7

Source: Statistical Yearbook of Bhutan, NSB

Table 6.2: Average Monthly Rainfall by Station, (2018-2022)

Month	2018	2019	2020	2021	2022
	Deothang	Deothang	Deothang	Deothang	Deothang
January	0.00	0.00	23.80	51.00	51
February	13.00	102.10	46.90	32.20	32.2
March	146.60	79.80	55.10	49.10	49.1
April	132.30	529.00	193.20	25.10	25.1
May	387.80	753.00	572.10	429.20	429.2
June	825.90	885.00	991.00	880.20	880.2
July	637.50	1287.20	1656.10	339.20	339.2
August	371.90	258.60	470.60	667.90	667.9
September	673.80	274.90	727.00	189.40	189.4
October	39.00	55.80	88.80	119.20	119.2
November	35.40	14.80	0.00	0.20	0.2
December	14.20	0.00	0.00	0.80	0.8

Source: Statistical Yearbook, NSB

Table 6.3: Details of Protected Areas and Parks that falls within the Dzongkhag

Name of Area/Parks	Establishment year	Total Area (Sq.km)
Jomotshangkha Wildlife Sanctuary(JWS)	1993	334.73
Biological corridor No.5 connecting Royal Manas National Parks and JWS	1999	153.73
Biological corridor No.5 connecting Sakteng Wildlife Sanctuary and JWS	1999	114.66

Source: Bhutan RNR Statistics

Table 6.4: Details of Quantity of Timber supplied and Royalties realized, (2018-2022)

Year	Quantity of Timber Supplied (M3)	Royalty realized (Nu.Millions)
2018	3,728.00	N.A
2019	2,455.85	76,058.69
2020	973.11	0.062
2021	2173.471	0.261
2022	1047.59	0.136748

Source: Bhutan RNR Statistics, MoAF

Table 6.5: Details of Community and Private Forest by number and area, (2018-2022)

Details	2018		2019		2020		2021		2022	
	Number	Area (acre)	Number	Area (acre)	Number	Area (acre)	Number	Area (acre)	Number	Area (acre)
Community Forest Management Group members (hhs.)		6660.07	873	7200.90	912	9497.02	912	7185.70	722	-
Community Forest	50	6660.07	19	7200.90	19	9497.02	19	7185.70	19	7359.6
Pvt. Forest	N.A	N.A	26	N.A	26	77.8	27	54.33	30	84.59
Pvt. Nursery	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	nil	...
Non-wood Forest Products Management Groups	N.A	N.A	8	N.A	8	N.A	8	N.A	8	15818.6

source: Forest dept.

Table 6.6: Land Area and Damages Caused by Types, (2018-2022)

Detials	2018	2019	2020	2021	2022
<b>Damages caused by landslides <sup>1</sup></b>					
Farmland (acres)	N.A	N.A	5.00	N.A	13.788
Houses (number)	N.A	N.A	0.00	N.A	19
Roads (km)	N.A	N.A	0.00	N.A	9km
<b>Damages caused by floods <sup>1</sup></b>					
Farmland (acres)	N.A	N.A	0.00	N.A	0
Houses (number)	N.A	N.A	0.00	N.A	0
Roads (km)	N.A	N.A	8.00	N.A	0
Crops affected by drought (acres)	N.A	N.A	50.00	N.A	0
Crops damaged by wild animals (acres)	N.A	N.A	19.00	N.A	3.2
Incidence of forest fire	0.00	0.00	0.00	3.00	0
Area damaged by forest fire	0.00	0.00	0.00	109.00	0
Incidence of earthquake (number of cases reported) <sup>1</sup>	N.A	N.A	0.00	0.00	0
Houses damaged by earthquakes (number)	N.A	N.A	0.00	0.00	0
Acreage of reforestation <sup>2</sup>	N.A	N.A	0.00	N.A	0
Houses/structures damaged by fires (number) <sup>3</sup>	0.00	0.00	0.00	N.A	0

Source: <sup>1</sup> Dzongkhag Environment, <sup>2</sup> Forest Sector & <sup>3</sup> Fire Division, Royal Bhutan Police