

Table 6.1: Average Monthly Temperature, (2019-2023)

(degrees celsius)

Month	2019			2020			2021			2022			2023		
	Max	Min	Average	Max	Min	Average	Max	Min	Average	Max	Min	Average	Max	Min	Average
January	21.10	10.60	15.80	18.00	10.00	14.00	19.50	10.80	15.15	19.5	10.8	15.1	23	7.5	15.3
February	21.00	11.70	16.40	19.80	11.70	15.70	21.40	12.50	16.95	21.4	12.5	16.9	21.5	5	13.3
March	22.40	14.00	18.20	22.60	15.00	18.80	23.80	15.60	19.70	23.8	15.6	19.7	29	11	20
April	24.70	17.00	20.80	24.70	16.10	20.40	26.50	17.50	22.00	26.5	17.5	22	26	13.5	19.8
May	24.90	18.10	21.50	24.90	18.00	21.40	25.50	19.30	22.40	25.5	19.3	22.4	29	16	22.5
June	27.60	20.80	24.20	25.90	20.40	23.20	26.00	20.90	23.45	26	20.9	23.5	29	17.5	23.3
July	26.50	21.00	23.70	25.10	20.20	22.70	26.20	21.30	23.75	26.2	21.3	23.7	32	18	25
August	28.80	21.50	25.10	25.60	21.60	24.30	26.00	21.30	23.65	26	21.3	23.7	31.5	20	25.8
September	25.50	20.70	23.10	27.00	20.60	23.10	28.90	21.00	24.95	28.9	21	24.9	31	19	25
October	24.40	17.70	21.10	26.80	18.80	22.80	27.50	19.00	23.25	27.5	19	23.3	31	14	22.5
November	23.30	16.20	19.70	24.90	14.10	19.50	25.30	14.50	19.90	25.3	14.5	19.9	28	12	20
December	19.80	11.10	15.50	21.30	11.30	16.30	22.90	12.40	17.65	22.9	12.4	17.7	26	9	17.5

Source: Statistical Yearbook of Bhutan, NSB

Table 6.2: Average Monthly Rainfall by Station, (2019-2023)

Month	2019	2020	2021	2022	2023
	Deothang	Deothang	Deothang	Deothang	Deothang
January	0.00	23.80	51.00	51	43.9
February	102.10	46.90	32.20	32.2	82.5
March	79.80	55.10	49.10	49.1	57
April	529.00	193.20	25.10	25.1	592.6
May	753.00	572.10	429.20	429.2	563.9
June	885.00	991.00	880.20	880.2	1828.2
July	1287.20	1656.10	339.20	339.2	753.2
August	258.60	470.60	667.90	667.9	234.6
September	274.90	727.00	189.40	189.4	406.7
October	55.80	88.80	119.20	119.2	376.7
November	14.80	0.00	0.20	0.2	1
December	0.00	0.00	0.80	0.8	3.4

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

Table 6.4: Details of Quantity of Timber supplied and Royalties realized, (2019-2023)

Year	Quantity of Timber Supplied (M3)	Royalty realized (Nu.Millions)
2019	2,455.85	76,058.69
2020	973.11	0.062
2021	2173.471	0.261
2022	1047.59	0.136748
2023	...	...

Source: Bhutan RNR Statistics, MoAF

Table 6.5: Details of Community and Private Forest by number and area, (2019-2023)

Details	2019		2020		2021		2022		2023	
	Number	Area (acre)	Number	Area (acre)	Number	Area (acre)	Number	Area (acre)	Number	Area (acre)
Community Forest Management Group members (hhs.)	873	7200.90	912	9497.02	912	7185.70	722	-	912	-
Community Forest	19	7200.90	19	9497.02	19	7185.70	19	7359.6	19	9501.02
Pvt. Forest	26	N.A	26	77.8	27	54.33	30	84.59	32	-
Pvt. Nursery	N.A	N.A	N.A	N.A	N.A	N.A	nil	-	0	-
Non-wood Forest Products Management Groups	8	N.A	8	N.A	8	N.A	8	15818.6	8	-

source: Forest dept.

Table 6.6: Land Area and Damages Caused by Types, (2019-2023)

Detials	2019	2020	2021	2022	2023
<b>Damages caused by landslides <sup>1</sup></b>					
Farmland (acres)	N.A	5.00	N.A	13.788	2.6
Houses (number)	N.A	0.00	N.A	19	3
Roads (km)	N.A	0.00	N.A	9km	3KM
<b>Damages caused by floods <sup>1</sup></b>					
Farmland (acres)	N.A	0.00	N.A	0	0
Houses (number)	N.A	0.00	N.A	0	0
Roads (km)	N.A	8.00	N.A	0	0
Crops affected by drought (acres)	N.A	50.00	N.A	0	0
Crops damaged by wild animals (acres)	N.A	19.00	N.A	3.2	1
Incidence of forest fire	0.00	0.00	3.00	0	0
Area damaged by forest fire	0.00	0.00	109.00	0	0
Incidence of earthquake (number of cases reported) <sup>1</sup>	N.A	0.00	0.00	0	0
Houses damaged by earthquakes (number)	N.A	0.00	0.00	0	0
Acreage of reforestation <sup>2</sup>	N.A	0.00	N.A	0	0
Houses/structures damaged by fires (number) <sup>3</sup>	0.00	0.00	N.A	0	2

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