

Climate

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Table 4.1: Mean Monthly Temperature (°C) in Chandal

Month/Year	2011		2012		2013		2014		2015	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
January	24.0	0.4	23.6	0.0	24.3	2.9	25.4	0.6	26.2	4.1
February	27.1	2.0	28.1	1.4	30.4	5.1	27.2	1.8	28.9	3.0
March	31.2	5.0	31.9	5.7	31.0	3.4	27.9	5.0	31.9	3.6
April	31.9	7.8	32.4	10.2	34.5	9.2	NA	NA	31.9	3.6
May	31.0	16.3	32.2	12.7	31.7	13.8	NA	NA	32.4	14.9
June	31.3	17.8	31.2	17.4	31.1	17.8	NA	NA	32.7	18.3
July	30.8	19.3	30.7	20.2	29.3	20.5	NA	NA	30.7	19.8
August	30.3	18.6	30.4	19.2	30.1	19.8	NA	NA	30.4	19.7
September	30.0	18.0	30.6	18.1	30.6	17.4	NA	NA	32.2	17.3
October	30.3	13.6	28.7	12.5	28.9	12.1	NA	NA	29.8	14.4
November	26.6	7.5	22.0	6.7	26.9	7.0	NA	NA	26.5	8.8
December	23.9	2.5	21.5	4.1	24.4	0.2	22.4	6.9	23.5	3.0

Max. = Maximum; Min. = Minimum

Source: Meteorological and Oceanographic Satellite Data Archival Centre, Space Applications Centre, ISRO, Govt. of India.

<http://mosdac.gov.in/data/insituBrowse.do?mode=downloadInsituData>; (Accessed on 18.07.2016)

Table 4.2: Monthly Humidity in Thoubal

Year	2013		2014		2015	
	Humidity%		Humidity%		Humidity%	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
January	80	67	80	66	69	56
February	76	60	76	62	68	60
March	67	53	72	60	72	50
April	75	58	72	51	67	54
May	89	66	82	60	80	69
June	78	63	82	63	87	75
July	81	70	79	69	84	74
August	69	82	82	70	85	75
September	79	69	78	70	83	78
October	78	70	80	67	85	70
November	80	69	79	70	74	61
December	79	71	79	69	67	53

Source: District Statistical Office, Thoubal. Directorate of Economics & Statistics Govt. of Manipur, Imphal (Statistical Year Book of Thoubal, 2016).

<http://desmanipur.gov.in/files/NewsFiles/23Jul2016041635Thoubal%202016.pdf>; (Accessed on 27.7.2016)

Table 4.3: Mean Monthly Relative Humidity of Chandal

Month /Year	2011	2012	2013	2014	2015
January	83	82	83	84	73
February	77	65	74	74	74
March	70	63	64	70	63
April	71	76	71	NA	78
May	81	75	90	NA	79
June	88	83	88	NA	83
July	89	86	94	NA	92
August	92	87	95	NA	86
September	90	88	94	NA	88
October	88	80	93	NA	88
November	86	92	88	NA	86
December	86	89	89	73	84

Source: Meteorological and Oceanographic Satellite Data Archival Centre, Space Applications Centre, ISRO, Govt. of India.

<http://mosdac.gov.in/data/insituBrowse.do?mode=downloadInsituData>; (Accessed on 18.07.2016)

Table 4.4: Rainfall and Humidity in Thoubal

Year	Total Rainfall (in mm)	Humidity (%)	
		Maximum	Minimum
2007	1177.3	84	56
2008	437.5	89	50
2009	679.9	86	51
2010	699.1	89	52
2011	380.3	88	57
2012	422.7	88	54
2013	219.05	89	53
2014	559.8	82	51
2015	564.0	87	50

- Not Available

Source: District Statistical Office, Thoubal; Directorate of Economics & Statistics Govt. of Manipur, Imphal, (Statistical Year Book of Thoubal District-2016).

<http://desmanipur.gov.in/files/NewsFiles/23Jul2016041635Thoubal%202016.pdf>; (Accessed on 27.7.2016)

Table 4.5: Monthly Rainfall in Thoubal

Year	2013	2014	2015
	Total Rainfall (in mm)	Total Rainfall (in mm)	Total Rainfall (in mm)
January	0.0	0.0	24.5
February	1.4	4.6	8.9
March	5.4	16.6	10.6
April	57.3	32.5	129.6
May	38.3	131.4	50.8
June	18.6	157.4	59.6
July	35.95	51.9	172.2
August	21.9	100.2	40.1
September	30.5	32.3	54.8
October	8.5	32.9	12.9
November	0.0	0.0	0.0
December	1.2	0.0	0.0

Source: District Statistical Office, Thoubal; Directorate of Economics & Statistics Govt. of Manipur, Imphal, (Statistical Year Book of Thoubal, 2016).

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Table 4.6: Monthly Rainfall in Lamphelpat

(Rainfall in mm)

Months	2009	2010	2011	2012	2013	2014	2015
January	0.0	6.9	17.5	26.4	0.0	0.0	46.6
February	20.8	0.3	2.8	6.0	1.7	31.2	17.0
March	50.9	128.1	47.6	73.2	31.2	28	21.3
April	78.8	229.5	38.9	151.3	83.6	47.5	213.4
May	156.4	193.7	274.7	102.3	335.1	277.3	60.0
June	69.3	238.4	383.2	213.8	135.5	385	309.6
July	181.1	296.1	298.8	209.0	254.1	85	418.2
August	303.5	103.6	278.4	113.0	414.3	263.9	254.9
September	131.3	262.3	146.6	180.6	291.3	106.7	178.5
October	166.0	195.0	49.3	161.5	90.3	29.0	124
November	15.6	12.6	1.3	88.3	0.0	0.0	13.3
December	0.0	59.2	0.0	0.0	1.4	0.0	0.4
Annual	1173.7	1725.7	1539.1	1325.4	1639.1	1253.6	1657.2

Source: ICAR, Manipur, Lamphelpat. Directorate of Economics & Statistics, Lamphelpat, Govt. of Manipur (Economic Survey, Manipur 2015-16).

<http://desmanipur.gov.in/files/NewsFiles/16Mar2016121358ESM,15-16%20FINAL%20-%20Copy%20PDF.pdf>;
(Accessed on 22.07.2016)

Table 4.7: Rainfall in different Centres

(Rainfall in mm)

Year	Imphal Raj Bhavan	Lamphel-pat (IFCD)	Wangbal /DSO, Thoubal	Litan/ DSO, Ukhrul	Kangpok pi/ DSO, Senapati	Tamenglong	Bishnupur	Tulihal Airport	ICAR Lamphel
1998	1029.9	-	1168.8	1361.3	2340.0	2249.5	-	-	-
1999	570.1	692.8	1053.7	1379.0	2419.8	-	-	-	-
2000	1117.7	1178.4	1358.5	1387.6	2222.0	1474.5	-	-	-
2001	967.2	993.5	1140.2	1049.3	2486.0	1509.2	-	-	-
2002	914.05	971.50	875.10	1145.50	1524.0	-	-	-	-
2003	901.8	1038.15	981.90	1086.0	1657.0	-	-	-	-
2004	908.0	995.45	400.4	361.25	464.00	-	-	154.40	1566.4
2005	-	-	-	-	-	4231.3	-	1396.30	1467.2
2006	-	-	472.4	966.6	711.2	2513.9	1131.1	822.30	1033.6
2007	-	-	1179.3	1306.81	1313.2	-	1791.2	824.0	1522.0
2008	-	-	437.5	-	883.3	533.0	497.45	-	1200.9
2009	-	-	679.9	-	-	-	-	-	1173.7
2010	-	-	-	-	-	-	-	-	1725.7
2011	-	-	-	-	-	-	-	-	1539.1
2012	-	-	-	-	-	-	-	-	1325.4
2013	-	-	-	-	-	-	-	-	1639.1
2014	-	-	-	-	-	-	-	-	1253.6
2015	-	-	-	-	-	-	-	-	1657.2

- Not Available

Source: Rainguage Station of Manipur, Directorate of Economics & Statistics, Lamphelpat, Govt. of Manipur (Economic Survey, Manipur 2015-16).

<http://desmanipur.gov.in/files/NewsFiles/16Mar2016121358ESM,15-16%20FINAL%20-%20Copy%20PDF.pdf>
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