

Climate

List of Tables

- 4.1: Mean Monthly Temperature (°C) of Mangan
- 4.2: Monthly Cumulative Rainfall of Mangan
- 4.3: Mean Monthly Temperature (°C) of Namthang
- 4.4: Monthly Cumulative Rainfall of Namthang
- 4.5: Mean Monthly Temperature (°C) of Gangtok
- 4.6: Monthly Cumulative Rainfall of Gangtok
- 4.7: Mean Monthly Relative Humidity at Gangtok (Part-1)
- 4.8: Mean Monthly Relative Humidity at Gangtok (Part-2)
- 4.9: Mean Monthly Wind Speed of Gangtok

Table 4.1: Mean Monthly Temperature (°C) of Mangan

Month	2008		2009		2010		2011		2012		2013	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
January	16.3	06.3	NA	NA	15.5	08.6	13.9	06.6	13.7	06.7	15.6	06.8
February	12.2	07.2	NA	NA	15.4	09.0	18.2	08.0	16.4	08.5	19.7	07.4
March	16.9	09.9	NA	NA	22.1	17.7	19.3	10.8	19.9	11.0	22.2	07.1
April	25.7	14.4	22.8	10.9	25.0	19.0	22.6	12.2	21.2	15.3	21.6	07.8
May	30.4	20.4	29.7	20.9	27.1	21.3	22.5	12.7	24.8	18.1	23.7	10.0
June	31.6	23.1	28.7	22.7	26.5	17.5	24.4	14.9	24.1	15.8	27.1	17.1
July	32.0	23.6	32.0	23.6	25.7	21.0	23.9	14.6	25.9	16.0	26.2	18.0
August	30.7	21.9	NA	NA	24.8	22.2	24.9	17.6	26.6	15.4	26.9	19.1
September	NA	NA	26.6	19.9	24.2	22.3	23.5	17.3	24.2	15.1	25.1	16.4
October	NA	NA	27.1	20.0	23.5	20.6	21.9	16.0	20.9	15.1	21.4	13.1
November	NA	NA	22.5	17.9	19.7	17.1	17.5	13.3	17.6	10.7	19.0	09.5
December	NA	NA	21.0	08.6	16.3	10.5	15.8	10.8	14.2	08.0	15.6	07.1

max. = maximum; min. = minimum

Table 4.2: Monthly Cumulative Rainfall of Mangan

(in mm)

Month	2008	2009	2010	2011	2012	2013
January	078.3	NA	000.0	031.8	093.9	009.1
February	270.7	NA	031.4	072.4	039.5	062.6
March	207.0	NA	394.6	081.8	217.9	121.3
April	309.2	058.2	325.0	150.3	377.6	247.0
May	298.7	256.2	732.7	200.0	134.2	620.7
June	413.4	419.6	643.9	471.0	609.6	313.6
July	718.5	698.2	591.5	542.9	601.8	470.8
August	562.4	NA	853.4	439.9	301.6	304.5
September	NA	960.0	388.3	291.8	890.7	325.7
October	NA	121.2	147.9	142.9	281.0	182.6
November	NA	045.6	111.8	067.4	000.0	082.4
December	NA	009.0	011.2	012.7	011.3	012.7

NA: Not Available

Source: (Tables 4.1-4.2): India Meteorological Department, Meteorological Centre, Rajbhawan Area
Meteorological Centre Gangtok.

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Table 4.3: Mean Monthly Temperature (°C) of Namthang

Month	2008		2009		2010		2011		2012		2013	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
January	14.8	06.7	17.1	07.6	18.1	09.2	15.0	05.5	14.9	05.2	14.7	04.5
February	16.5	07.8	21.0	09.9	20.3	08.4	19.1	08.2	16.7	07.0	18.0	06.9
March	21.7	15.1	23.4	11.5	23.3	12.6	23.1	11.5	21.7	10.9	22.1	10.6
April	24.0	17.9	25.0	13.9	25.6	13.0	24.2	12.4	25.0	13.1	23.9	12.6
May	25.4	16.1	25.9	14.8	25.6	14.1	25.6	15.8	26.2	14.5	25.0	16.1
June	24.6	18.4	27.1	19.4	25.6	18.4	25.7	17.8	25.6	17.7	26.6	20.4
July	26.4	19.1	26.4	19.1	25.7	19.0	25.4	17.0	25.9	18.2	25.0	20.4
August	26.5	19.3	26.2	18.7	25.9	21.5	25.9	17.5	25.9	18.3	26.4	19.8
September	27.0	18.1	27.3	19.5	25.4	18.9	26.4	17.5	24.4	18.7	27.5	19.5
October	25.2	13.8	24.7	13.5	19.2	17.2	22.5	15.5	22.6	14.3	24.8	16.0
November	20.3	10.8	20.4	09.9	18.6	16.1	18.4	09.2	20.7	09.5	21.2	10.4
December	18.5	10.0	18.0	10.0	16.6	07.8	18.8	08.9	16.5	06.5	16.4	08.0

max. = maximum; min. = minimum

Table 4.4: Monthly Cumulative Rainfall of Namthang

(in mm)

Month	2008	2009	2010	2011	2012	2013
January	006.2	00.0	000.0	011.9	010.6	002.0
February	014.0	00.0	009.6	008.6	002.0	019.4
March	059.5	36.8	025.5	090.4	007.2	078.3
April	174.8	279.7	139.9	117.3	099.9	122.5
May	537.6	227.3	155.4	153.2	101.4	142.1
June	391.3	227.9	349.1	271.5	371.6	171.0
July	443.7	407.1	547.4	488.4	276.1	215.8
August	779.6	394.0	158.3	373.2	337.1	232.4
September	89.7	175.7	486.3	255.9	319.8	085.8
October	05.2	252.1	012.5	009.6	002.2	062.8
November	00.0	000.0	000.2	026.6	000.0	002.0
December	11.7	000.0	000.0	000.0	000.0	006.0

Source (Tables 4.3-4.4): India Meteorological Department, Meteorological Centre, Rajbhawan Area Meteorological Centre Gangtok.

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Table 4.5: Mean Monthly Temperature (°C) of Gangtok

Month	2008		2009		2010		2011		2012		2013	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
January	11.8	06.0	13.5	07.6	15.0	06.9	11.2	04.8	10.2	04.4	13.3	05.2
February	12.8	05.3	16.6	09.0	15.4	07.6	15.0	08.1	14.5	07.2	16.7	08.2
March	17.9	10.3	18.4	10.7	19.0	12.2	18.3	10.8	17.4	09.9	19.2	11.2
April	20.3	12.9	20.7	13.5	22.0	14.5	20.6	12.3	20.3	12.6	19.6	12.5
May	21.6	14.6	21.2	14.7	22.1	15.4	21.8	15.0	22.9	15.1	20.6	15.0
June	21.1	17.0	22.8	17.1	22.3	17.1	22.2	17.1	21.6	17.5	22.1	17.7
July	21.9	17.7	22.3	18.2	21.8	17.9	21.1	17.7	21.6	17.9	21.5	18.0
August	21.3	17.6	21.7	18.0	21.9	18.0	21.7	17.5	22.4	17.8	21.8	17.6
September	21.6	16.4	22.8	17.0	21.0	17.0	21.6	17.1	21.2	16.9	22.0	17.1
October	20.9	13.7	21.1	14.4	20.2	14.5	20.6	14.0	19.9	13.1	19.2	14.1
November	17.9	10.5	17.0	10.7	16.2	11.1	15.3	10.0	17.0	09.4	17.4	10.0
December	13.9	09.0	13.3	07.6	14.6	07.0	13.7	07.6	13.9	07.0	12.9	0

max. = maximum; min. = minimum

Table 4.6: Monthly Cumulative Rainfall of Gangtok

(in mm)

Month/Year	2008	2009	2010	2011	2012	2013
January	017.7	011.3	000.0	027.8	028.6	006.0
February	006.8	007.5	017.4	045.6	042.6	047.3
March	155.3	107.5	224.6	073.8	047.9	168.2
April	350.1	300.6	444.9	172.1	458.9	372.3
May	179.0	365.0	431.7	375.2	227.9	669.7
June	786.5	463.5	623.3	706.8	859.5	570.4
July	661.9	502.4	746.5	744.7	687.0	666.8
August	628.9	546.9	601.2	638.8	557.5	395.7
September	437.4	248.4	445.3	451.6	522.6	319.8
October	106.2	221.7	141.3	060.7	127.0	368.9
November	029.0	002.7	064.0	100.9	000.2	084.8
December	018.5	009.1	000.2	004.7	003.2	008.4

Source (Tables 4.5-4.6): India Meteorological Department, Meteorological Centre, Rajbhawan Area Meteorological Centre Gangtok.

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Table 4.7: Mean Monthly Relative Humidity of Gangtok (Part-1)

Month	2008		2009		2010	
	08:30 Hrs IST	17:30 Hrs IST	08:30 Hrs IST	17:30 Hrs IST	08:30 Hrs IST	17:30 Hrs IST
January	84	81	84	78	74	66
February	83	76	82	74	83	72
March	80	80	68	65	81	78
April	82	81	81	79	79	84
May	85	84	85	81	87	84
June	96	93	93	88	93	89
July	96	93	95	92	94	92
August	95	93	95	92	95	93
September	92	90	91	88	93	91
October	77	79	82	79	86	85
November	76	73	80	78	87	84
December	83	83	87	81	76	71

Table 4.8: Mean Monthly Relative Humidity of Gangtok (Part-2)

Month	2011		2012		2013	
	08:30 Hrs IST	17:30 Hrs IST	08:30 Hrs IST	17:30 Hrs IST	08:30 Hrs IST	17:30 Hrs IST
January	85	76	83	81	76	63
February	84	76	83	76	71	66
March	75	73	76	68	76	74
April	75	77	80	83	80	81
May	88	84	80	78	90	88
June	93	88	94	93	93	90
July	96	93	95	94	95	93
August	94	92	93	91	94	92
September	93	91	93	91	94	91
October	83	82	84	80	87	86
November	82	81	78	73	75	73
December	81	75	80	74	85	82

Source (Tables 4.7-4.8): India Meteorological Department, Meteorological Centre, Rajbhawan Area Meteorological Centre Gangtok.

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Table 4.9: Mean Monthly Wind Speed of Gangtok

(in km/hr)

Month	2008	2009	2010	2011	2012	2013
January	002	002	002	001	002	002
February	002	002	002	002	002	003
March	003	003	002	003	002	003
April	003	003	003	004	003	003
May	003	004	003	002	003	002
June	001	002	002	002	002	002
July	001	001	001	001	001	001
August	001	001	001	001	001	001
September	002	001	001	001	001	001
October	003	002	002	002	002	002
November	002	002	001	002	002	002
December	001	001	002	001	001	002

Source: India Meteorological Department, Meteorological Centre, Rajbhawan Area Meteorological Centre Gangtok.

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