

रायपुर का माह जनवरी का जलवायु लक्षण

जनवरी माह का जलवायु लक्षण सामान्यतः दिसम्बर माह के समान ही होता है । आकाश सामान्यतः स्वच्छ एवं बादल रहित होता है माह का सामान्यतः न्यूनतम तापमान 13.2 डिग्री सेल्सियस होता है । जो दिसम्बर माह की अपेक्षा थोड़ा सा अधिक है । दिन का सामान्य अधिकतम तापमान दिसम्बर के समान ही 28.0 डिग्री सेल्सियस होता है । माह की औसत वर्षा 11.3 मिमी है । किन्तु ऐसे भी अवसर आये हैं जब अधिक वर्षा अंकित की गई है । कभी कभी ओला वृष्टि के साथ मेघगर्जना भी होती है।

इस माह में रायपुर कुछ अवसरों पर सामान्य शीत लहर की चपेट में आ जाता है न्यूनतम तापमान सामान्य तापमान से 5-6 डिग्री सेल्सियस कम हो जाता है । बहुत कम अवसरों पर पश्चिमी विक्षोभों के गुजरनेके बाद रायपुर अतिशीत लहर की चपेट में आ जाता है जब न्यूनतम तापमान सामान्य तापमान से 7 डिग्री सेल्सियस या उसे कम हो जाता है ।

उपलब्ध अभिलेख के आधार पर रायपुर में उच्चतम अधिकतम तापमान 27 जनवरी 2009 को 35.5 डिग्री सेल्सियस , न्यूनतम तापमान 18 जनवरी 1906 को 5.0 डिग्री सेल्सियस रिकार्ड किया गया , सन 1943 में सर्वाधिक कुल मासिक वर्षा 134.4 मि.मी. और 22 जनवरी 1921 में 24 घंटे में सर्वाधिक वर्षा 55.4 मि.मी. है ।

इस माह में पिछले दस वर्ष में अभिलेखित औसत न्यूनतम तापमान , निम्नतम न्यूनतम तापमान और उसकी दिनांक दी गई है ।

वर्ष	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
औसत न्यूनतम तापमान डिग्री सेल्सियस	10.8	10.0	13.6	09.5	07.4	8.2	8.4	12.9	9.9	10.4	10.7
निम्नतम न्यूनतम तापमान डिग्री सेल्सियस (दिनांक)	25	28	22	22	07	14	09	29	19	23	15

CLIMATIC FEATURES OF RAIPUR DURING JANUARY

The following are general climatic features during the month of January for Raipur based on past data.

The climatic features of Raipur for this month are more or less similar to that of December. Sky is generally clear with calm to light surface winds blowing from North or Northeasterly direction. The normal mean minimum temperature is 13.2°C similar to that of December. The mean maximum temperature is 28.0°C which is also similar to that of December. Days are warm but comfortable.

The monthly total rainfall in this month is 11.3 mm. However there have been occasions when substantial amounts of rainfall have been recorded in the month of January. Sometimes thunderstorms with hail also occur.

On rare occasions Raipur may be affected by moderate cold wave when the minimum temperature is 5-6°C below normal or severe cold wave when it is 7°C or more below normal.

On the basis of the available records Raipur experiences the following extreme values :-

- 1) The Highest maximum temperature 35.5 °c on 27.01.2009
- 2) The lowest minimum temperature 5.0°C on 18th January 1906.
- 3) The highest monthly rainfall 134.4 mm in the year 1943.
- 4) The heaviest fall in 24 hours 55.4 mm on 22nd January 1921.

The number of days having minimum temperature 8.0°C or below and the lowest minimum temperature with date during last decade are given in the following table.

YEAR	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Lowest Min. Temp. in °C	10.8	10.0	13.6	09.5	07.4	8.2	8.4	12.9	9.9	10.4	10.7
Recorded Date	25	28	22	22	07	14	09	29	19	23	15

CLIMATIC FEATURES OF RAIPUR DURING JANUARY

Daily Temperature

The following are general climatic features during the month of **January** for **Raipur** based on past data. The climatic features of Raipur for this month are more or less similar to that of December. Sky is generally clear with calm to light surface winds blowing from North or Northeasterly direction. The normal mean minimum temperature is 13.2°C similar to that of December. The mean maximum temperature is 28.0°C which is also similar to that of December. The Daily Normal temperatures (Maximum and Minimum) and Rainfall for the season are given in the fig- 1 below

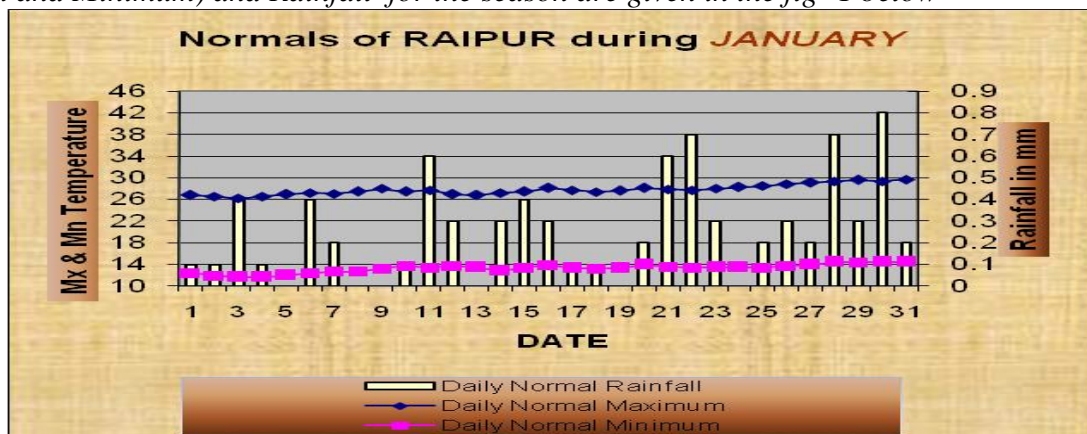


FIG-1

Extreme Temperature

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- 1) The Highest maximum temperature 35.5 °c on 27.01.2009
- 2) The lowest minimum temperature 5.0°C on 18th January 1906.

The number of days having minimum temperature 8.0°C or below and the lowest minimum temperature with date during last decade are given in the following table.

YEAR	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Lowest Min. Temp. in °C	10.8	10.0	13.6	09.5	07.4	8.2	8.4	12.9	9.9	10.4	10.7
Recorded Date	25	28	22	22	07	14	09	29	19	23	15

Rainfall

The monthly total rainfall in this month is 11.3 mm. However there have been occasions when substantial amounts of rainfall have been recorded in the month of January. Sometimes thunderstorms with hail also occur.

- 3) The highest monthly rainfall 134.4 mm in the year 1943.
- 4) The heaviest fall in 24 hours 55.4 mm on 22nd January 1921.

WEATHER PHENOMENON

The average number of days with different weather phenomenon are given below table.

<i>Rainy Days</i>	<i>Drizzle/Rain (>0.3mm)</i>	<i>Hail</i>	<i>Thunder Storm</i>	<i>Squall</i>	<i>Dust Storm</i>	<i>Gale</i>	<i>Fog</i>
1.0	1.7	0.0	0.6	0.0	0.0	0.0	0.4

Chattisgarh: Raipur, Jagdalpur, Ambikapur, Durg, Bilaspur, Pendra

Raipur		January		DNA- Data Not Available	
EXTREME WEATHER EVENTS FOR THE MONTH					
Year	Temperature(oC)		Rainfall (mm)		
	Highest Maximum(Date)	Lowest Minimum(Date)	24 Hours Highest (Date)	Monthly Total(mm)	
2017	31.1(23)	10.7(15)	6.4(10)	6.4	
2016	33.5(31)	10.4(23)	2.6(20)	2.6	
2015	30.8(26)	9.9(19)	7.4(4)	11.8	
2014	30.7(06,16)	12.9(29)	0()	0.0	
2013	33.4(18)	8.4(9)	0.2(2)	0.2	
2012	29.4(19)	8.2(14)	31.2(1)	58.1	
2011	31.8(26,27)	7.4(7)	0()	0.0	
2010	29.9(12)	9.5(22)	9.3(14)	14.1	
2009	35.5(27)	13.6(22)	0()	0.0	
2008	31.2(10)	10(28)	3.6(25)	6.5	
ALL TIME RECORD	35.5(27.01.2009)	5(18.01.1906)	55.4(22.01.1921)	134.4 (1943)	

Bilaspur		January		DNA- Data Not Available	
EXTREME WEATHER EVENTS FOR THE MONTH					
Year	Temperature(oC)		Rainfall (mm)		
	Highest Maximum(Date)	Lowest Minimum(Date)	24 Hours Highest (Date)	Monthly Total(mm)	
2017	31(31)	8.3(13)	2.9(11)	4.3	
2016	32.8(31)	7.2(24)	17.8(20)	18.0	
2015	31.2(28)	7.2(11)	17.7(4)	31.0	
2014	30.1(22)	11(29)	1.2(6)	1.2	
2013	32(15)	5.8(9)	0.1(3)	0.1	
2012	29.1(21)	5.4(14)	52.4(2)	94.0	
2011	31.9(25)	5.9(08,11)	0()	0.0	
2010	30.6(12)	7(20)	7.6(14)	10.6	
2009	35.6(28)	9.3(21)	3.4(6)	3.4	
2008	DNA(DNA)	DNA(DNA)	DNA(DNA)	DNA	
ALL TIME RECORD	35.6(28.01.2009)	5.4(14.01.2012)	52.4(02.01.2012)	94.0 (2012)	

Pendra		January		DNA- Data Not Available	
EXTREME WEATHER EVENTS FOR THE MONTH					
Year	Temperature(oC)		Rainfall (mm)		
	Highest Maximum(Date)	Lowest Minimum(Date)	24 Hours Highest (Date)	Monthly Total(mm)	
2017	29.2(26)	4.8(13)	1.9(10)	1.9	
2016	31.6(31)	2.5(23)	9.8(20)	34.9	
2015	26.9(28)	5.1(18)	7.6(1)	20.6	
2014	27.3(5)	8.7(31)	7.4(19)	11.4	
2013	29.6(16)	4(28)	2(3)	2.2	
2012	27.1(18)	4.9(22)	42.4(2)	145.4	
2011	30(25)	2.6(5)	0.4(29)	0.4	
2010	28.1(25)	5.1(21)	0()	0.0	
2009	33(27)	6.6(2)	10.2(9)	25.9	
2008	30(19)	5.9(28)	1.4(24)	1.4	
ALL TIME RECORD	33(27.01.2009)	2.5(23.01.2016)	59.2(28.01.1984)	197.1 (1998)	

Jagdapur		January		DNA- Data Not Available	
EXTREME WEATHER EVENTS FOR THE MONTH					
Year	Temperature(oC)		Rainfall (mm)		
	Highest Maximum(Date)	Lowest Minimum(Date)	24 Hours Highest (Date)	Monthly Total(mm)	
2017	32(31)	7.4(15)	0()	0.0	
2016	33.3(31)	7.5(24)	0.6(20)	0.6	
2015	30.5(26,30)	5.6(12)	4.7(4)	4.7	
2014	30.4(19)	9.5(29)	0()	0.0	
2013	32.2(16)	7.3(12)	0()	0.0	
2012	30.2(6)	4.2(14)	8.2(1)	26.5	
2011	31.1(30)	6.4(7)	0()	0.0	
2010	31.1(13)	8(3,4,7,22)	20(14)	23.5	
2009	34.8(27)	9.8(22)	0()	0.0	
2008	31.3(12)	8(2)	9.8(26)	9.8	
ALL TIME RECORD	34.8(27.01.2009)	2.8(08.01.1946)	50.6(09.01.1955)	87.6 (1926)	

Ambikapur		January		DNA- Data Not Available	
EXTREME WEATHER EVENTS FOR THE MONTH					
Year	Temperature(oC)		Rainfall (mm)		
	Highest Maximum(Date)	Lowest Minimum(Date)	24 Hours Highest (Date)	Monthly Total(mm)	
2017	27.4(27)	4.2(14)	3(3)	5.9	
2016	28(31)	3.2(23)	9.6(20)	13.9	
2015	26.6(27)	5.3(19)	4.8(4)	8.3	
2014	25.2(1)	7(14)	6.1(19)	12.4	
2013	27.9(18)	3(9)	2.2(3)	2.2	
2012	27.2(1)	3.7(14)	24(2)	52.0	
2011	28(31)	2.4(4)	0.3(31)	0.4	
2010	25.3(25)	4(2)	0()	0.0	
2009	30.5(28)	8(2)	7.3(7)	16.2	
2008	27.8(20)	3.8(1)	8.3(24)	8.3	
ALL TIME RECORD	30.5(28.01.2009)	0.9(13.01.1989)	69..0(06.01.1985)	126.6 (1985)	

Durg		January		DNA- Data Not Available	
EXTREME WEATHER EVENTS FOR THE MONTH					
Year	Temperature(oC)		Rainfall (mm)		
	Highest Maximum(Date)	Lowest Minimum(Date)	24 Hours Highest (Date)	Monthly Total(mm)	
2017	31.8(20,23)	8.2(13)	0()	0.0	
2016	32.6(1)	6.6(24,25)	0()	0.0	
2015	30.9(28)	6.9(20)	21.6(4)	21.6	
2014	30.8(27)	9.4(29)	0()	0.0	
2013	32.5(18)	6.5(9)	0()	0.0	
2012	28.6(18)	6(14)	22.4(9)	69.4	
2011	32.5(16)	5.3(7)	0()	0.0	
2010	29.8(12)	7.4(22)	16.2(14)	21.6	
2009	DNA(DNA)	DNA(DNA)	DNA(DNA)	DNA	
2008	DNA(DNA)	DNA(DNA)	DNA(DNA)	DNA	
ALL TIME RECORD	36.3(02.01.1980)	5.3(07.01.2011)	42.2(10.01.1984)	142.0 (1984)	