

रायपुर का माह सितम्बर का जलवायु लक्षण

जून माह में व्यवस्थापित दक्षिण-पश्चिम मानसून माह सितम्बर महीने तक शुरू रहता है तथा धीरे - धीरे कम होते जाता है। इस माह में औसत वर्षा के दिनों की संख्या माह जुलाई तथा अगस्त से कम होती है। इस माह की सामान्य वर्षा **216.8** मि मी तथा वर्षा के दिनों की संख्या **09** होती है।

सामान्यतः इस माह में भारी वर्षा की परिस्थिति तब पैदा होती है, जब बंगाल की खाड़ी निर्मित अबदाब या निम्नदाब का क्षेत्र उड़ीसा तट को पार करते हुआ देश के मध्यभाग की ओर अग्रेसर होता है।

माह जुलाई तथा अगस्त में रहनेवाली मेघाच्छन्न आकश इस माह में अंशतः मेघाच्छादित रहता है। इसी के साथ अधिक आर्द्रता जो कि 71% - 78% के बीच होती है, हल्की हवाएँ और बढ़ती हुयी धूप के कारण मौसम अधिक उमसभरा तथा असुविधाजनक जान पड़ता है। अगस्त की तुलनामें इस माह में दिन की गरमी तथा रात की ठण्डी किंचित बढ़ती है।

इस माह में सामान्य अधिक तापमान **31.0** से **34.0** डिग्री सेल्सियस तक तथा न्यूनतम तापमान **21.0** से **24.0** डिग्री सेल्सियस के दरम्यान रहता है।

उपलब्ध। अभिलेख के आधार पर रायपुर का इस माह सबसे अधिकतम तापमान **37.2** डिग्री सेल्सियस **19** सितम्बर **1899**, सबसे न्यूनतम तापमान **28** सितम्बर **1902** को **18.3** डिग्री सेल्सियस रिकार्ड किया गया, सन **1980** में सर्वाधिक कुल मासिक वर्षा **776.9** मि.मी. तथा सबसे कम कुल मासिक वर्षा **8.4** मिमी सन **1940** में और **19** सितम्बर **1980** में **24** घंटे में **196.2** मि.मी. है।

इस माह में पिछले दस वर्ष में अभिलेखित माह में कुल वर्षा दर्षित की गई है।

YEAR	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Rainfall in mms	258.4	176.0	334.9	70.9	265.8	354.2	231.4	165.5	225.7	182.9	393.7

CLIMATIC FEATURES OF RAIPUR DURING SEPTEMBER

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

The southwest monsoon which sets over Raipur by about 10th of June continues upto September, although it is on wane. As compared to July and August in this month the monthly average rainfall and the number of rainy days decrease. The normal rainfall for this month is 216.8 mms and number of rainy days are 09.

Generally heavy downpour during September occurs in association with depression or low pressure area moving inland from the Bay of Bengal across Orissa –Andhra Coast under stimulating conditions. There had been cases of localized heavy rains and consequent floods around Raipur during this month..

The nearly overcast sky of July and August turns to partly cloudy sky in September with maximum humidity and the humidity lies between 71% to 81%. Light winds blows continuously and there is increase in the duration of sunshine. Due to this, weather becomes sultry and discomfort also rises. The days are warmer and nights are slightly cooler than that of August The normal maximum and minimum temperature ranges from 31.0°C to 34.0°C and 21.0°C to 24.0°C respectively

On the basis of the available records Raipur experience following extreme values

1. The highest maximum temperature 37.2°C on 19th September 1899.
2. The lowest minimum temperature 18.3°C on 28th September 1902
3. The highest monthly total rainfall of 776.9 mms in the year 1980.
4. The Lowest monthly total rainfall 8.4 mms in the year 1940 and
5. The heaviest fall in the 24 hours was 196.2 mms on 19th September 1980.

The total rainfall in August during the last decade is given in the following table=-

YEAR	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Rainfall in mms	258.4	176.0	334.9	70.9	265.8	354.2	231.4	165.5	225.7	182.9	393.7

CLIMATIC FEATURES OF RAIPUR DURING SEPTEMBER

Daily Temperature

The following are general climatic features during the month of **September** for **Raipur** based on past data. The normal maximum and minimum temperature ranges from 31.0°C to 34.0°C and 21.0°C to 24.0°C respectively. The nearly overcast sky of July and August turns to partly cloudy sky in September with maximum humidity varying between 81% to 71%. The Daily Normal temperatures (Maximum and Minimum) and Rainfall for the season are given in the fig- 1 below

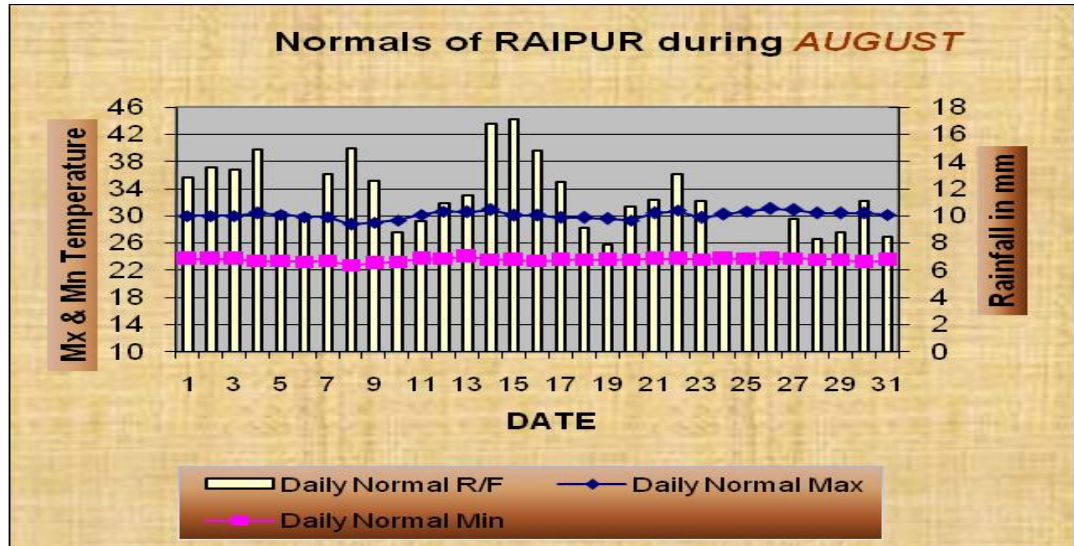


FIG-1

Extreme Temperature

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

1. The highest maximum temperature 37.2°C on 19th September 1899.
2. The lowest minimum temperature 18.3°C on 28th September 1902.

Rainfall

The normal rainfall for this month is 216.8 mms and number of rainy days are 9 and approximately 6 days are accompanied with thunderstorm.

3. The highest monthly total rainfall of 776.9 mms in the year 1980.
 4. The Lowest monthly total rainfall 8.4 mms in the year 1940 and
 5. The heaviest fall in the 24 hours was 196.2 mms on 19th September 1980.
- The total rainfall in September during the last decade are indicated below.

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>
9.2	12.9	0.0	5.9	0.0	0.0	0.0	0.0

EXTREME WEATHER EVENTS FOR THE MONTH

Raipur		September		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)	
2016	33.7(18)	24(27)	72.5(30)	393.7	
2015	35.2(12)	23.5(21)	80.2(17)	182.9	
2014	34.5(29)	23(16)	64.1(21)	225.7	
2013	33.7(28,29)	23.1(17)	48.6(17)	165.5	
2012	33.7(25)	21.9(21)	63.4(23)	231.4	
2011	34.4(30)	22.6(30)	86.4(7)	354.2	
2010	34(24)	22.3(30)	86.1(18)	265.8	
2009	36.1(25)	22.6(23)	25.9(13)	70.9	
2008	33.6(9)	23.3(28)	106.1(18)	334.9	
2007	33.3(14,19,20)	23(20)	32.9(6)	176.0	
ALL TIME RECORD	37.2(19.09.1899)	18.3(28.09.1902)	196.2(19.09.1980)	776.9 (1980)	

Bilaspur		September		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)	
2016	33.5(20)	23.7(29)	48(29)	176.7	
2015	35.8(11)	21.5(26)	51(21)	168.0	
2014	35.4(30)	22(4)	69(4)	301.1	
2013	35(27)	23.1(17)	58.6(2)	129.2	
2012	33.8(30)	22.7(26)	58.5(11)	287.8	
2011	34.3(27)	21.2(30)	56.2(17)	284.9	
2010	34(25)	19.6(29)	62.4(19)	319.2	
2009	36.6(25)	22.6(10)	19.4(10)	36.3	
2008	34(4,7,8,9)	19.4(18)	83.8(19)	247.7	
2007	NA(NA)	NA(NA)	NA(NA)	NA	
ALL TIME RECORD	36.6(25.09.2009)	19.4(18.09.2008)	83.8(19.09.2008)	319.2 (2010)	

Pendra		September		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)	
2016	33.4(18)	21.1(27)	78.3(26)	257.7	
2015	33.8(07,15)	18(27)	89.1(21)	220.9	
2014	33.6(30)	18.5(26)	46.8(4)	221.8	
2013	33.6(15)	21.1(25)	77.9(18)	184.0	
2012	32.1(30)	18.5(27)	61.1(7)	170.4	
2011	32.1(20)	17(30)	101(3)	442.9	
2010	32.5(6)	15.5(30)	79.2(8)	363.6	
2009	34.2(23)	20.2(16)	21.6(8)	47.6	
2008	33.2(4)	17.2(25)	124.1(19)	227.6	
2007	32.5(4)	20.6(24,25)	61.2(26)	405.9	
ALL TIME RECORD	34.6(03.09.1996)	15.5(30.09.2010)	173(15.09.1987)	510.5 (1926)	

Jagdalpur		September		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)	
2016	32.8(20)	20.9(7)	59.5(10)	297.2	
2015	32.9(26)	20.4(21)	76.7(2)	289.8	
2014	32.7(26)	20(30)	164(7)	451.1	
2013	33(22)	20.2(22)	28(30)	143.8	
2012	32(27)	21(9)	79.2(9)	333.1	
2011	32.3(25,26,27,28,30)	20.1(30)	82.3(2)	305.5	
2010	32.3(25)	20.9(30)	56.8(15)	360.1	
2009	33.8(25)	21(23)	35.2(2)	148.9	
2008	31.8(15,25,27)	20.5(29)	70.3(6)	256.7	
2007	31.8(30)	21.5(7)	32.8(15)	157.7	
ALL TIME RECORD	34.2(09.09.2006)	17.6(30.09.1984)	164(07.09.2014)	542.3 (1917)	

Ambikapur		September		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)	
2016	31.1(25)	21.4(24)	70.8(2)	282.0	
2015	32.8(20)	18.5(27)	66.4(22)	132.6	
2014	31.5(30)	19.5(26)	52.9(9)	181.7	
2013	32.2(14,15)	21.4(16)	18(16)	57.1	
2012	32.2(30)	19.2(26,27)	34.3(30)	165.2	
2011	31.1(14)	19(30)	81.7(10)	493.6	
2010	32(5)	17.9(30)	46.5(15)	181.7	
2009	32.8(23)	21.3(16)	25.8(8)	75.0	
2008	31.8(5)	19.9(25)	52.4(1)	193.6	
2007	31.8(5)	20.5(29)	65.3(7)	348.1	
ALL TIME RECORD	35.7(10.09.2003)	15.7(29.09.1972)	137.5(03.09.2000)	493.6 (2011)	

Durg		September		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)	
2016	33.2(1)	21.8(29,30)	76.8(26)	344.0	
2015	36.4(12)	22.4(22,27)	53(17)	185.4	
2014	36.2(29)	20.6(10)	93(2)	264.0	
2013	34.9(8)	22.8(25)	13.6(30)	57.2	
2012	37.4(13)	20(22)	24(5)	86.4	
2011	34.9(30)	20(30)	68(7)	295.2	
2010	34.2(28)	20.6(29)	91.8(15)	393.0	
2009	35.6(25)	22.4(10)	39(12)	65.7	
2008	NA(NA)	NA(NA)	NA(NA)	NA	
2007	NA(NA)	NA(NA)	NA(NA)	NA	
ALL TIME RECORD	37.4(13.09.2012)	20(30.09.2011 & 22.09.2012)	130.4(15.09.1983)	483.2 (1980)	