

रायपूर का माह जून का जलवायु लक्षण

इस माह में मानसून का आगमन रायपूर का मुख्य जलवायु लक्षण है, जिसके कारण दिन का तापमान तेजी से कम होते जाता है। सामान्यता: १० जून रायपूर में मानसून के आगमन की तिथी है। प्रथम सप्ताह के आस पास अधिकतम तापमान ४१.६ डिग्री सेल्सियस से भी कम दिखाई देता है। कुछ अवसरों पर बढ़ा हुआ दिखाई देता है। माह का औसत न्यूनतम तापमान प्रथम सप्ताह में २७.० डिग्री सेल्सियस के बीच होता है जो माह के अंत तक २४.६ डिग्री सेल्सियस तक पहुँच जाता है। माह की औसत वर्षा १९६.४ मिमी है तथा दिनों की संख्या ९.५ है। मेघ गर्जन होने वाली दिनों की संख्या ७.६ है। गर्जन की कुछ घटनाएँ झंझा के साथ जुड़ी होती हैं।

यह माह में जलवायु का लक्षण मिला जुला होता है। माह के प्रथम १० - १२ दिनों भीषण गर्मी तदपश्चात् मानसून के आगमन की वजह से राहत महसूस होती है कभी - कभी पहले या दूसरे सप्ताह के अंत में तेज गर्मी का अनुभव आने का संकेत देता है, जिसके पश्चात् वातावरण में एकदम बदलाव आ जाता है। रायपूर में मानसून का आगमन बंगाल की खाड़ी में निर्मित निम्नदाब क्षेत्र या चक्रवात तुफानों के उत्तरपूर्व दिशाएँ में बढने के कारण भी होता है जो अस्थाई होता है भारत के दक्षिण प्रायदीप में मानसून की शुरुवात होती है। जैसे जैसे शुष्क हवा तथा आद्रता में बदलते हुए उपमहाद्वीप के अन्य भागों में फैल जाती है। और इस तरह मानसून की जोरदार वर्षा शुरू होती है।

उपलब्ध अभिलेख के आधार पर रायपूर का इस माह सबसे अधिकतम तापमान ४७.२ डिग्री सेल्सियस ११ जून १९३१, ०१ जून १९८८ तथा ८ जून १९९५ को, सबसे न्यूनतम तापमान २१ जून १८८४ को १६.१ डिग्री सेल्सियस रिकार्ड किया गया, सन २००७ में सर्वाधिक कुल मासिक वर्षा ६४९.३ मि.मी. और ३० जून २००६ को २४ घंटे में २९७.० मि.मी. का रिकार्ड अब भी बरकरार है।

इस माह में पिछले दस वर्ष में अभिलेखित मानसून का आगमन और उसकी दिनांक दी गई है। तथा माह में कुल वर्षा दर्शित की गई है।

वर्ष	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
मानसून का आगमन, दिनांक	24	24	12	27	17	17	18	09 th	19 th June	14 th June	17 th Jun
कुल वर्षा, मिमी	71.8	649.3	214.1	32.7	94.6	190.0	259.2	285.7	86.1	268.1	165.2

CLIMATIC FEATURES OF RAIPUR DURING JUNE

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

The chief climatic features of Raipur in June are the onset of the southwest monsoon which brings a rapid fall in day temperature. The normal date of onset of monsoon is 10th June but in the last decade it is observed that the date of onset of monsoon has been varying from 9th to 16th June. The mean maximum temperature during first week is 41.6°C which comes down to 33.5°C by the end of the month. There are occasions of hot spells with a rise in temperature at the end of the month. The mean minimum temperature during the first week is 27.0°C which comes down to 24.6°C by the end of the month. The average rainfall for the month according to 1971-2000 normals is 196.4mm and the numbers of rainy days are 9.5. The average numbers of days of thunderstorm are 7.6 some of the thunderstorms are accompanied by squall.

To summaries, the climatic experience of this month is of a mixed nature a scorching summer up to about one third of the month and a relief thereafter with the advance of the monsoon sometimes a heat wave at the end of the first or even second week of the month culminates into monsoon bringing a total change in the climatic conditions. Many of the advances of monsoon are associated with the westward movement of monsoon depression or cyclonic storm from the Bay of Bengal and some from the northeast movement of a depression or cyclonic storm from the Arabian sea. The later one mostly complementing a temporary advance of monsoon. Sometimes monsoon is tracked from its onset on the southern peninsula a gradual replacement of dry continental air by moist monsoon air under the influence of synoptic features other than the monsoon depression or cyclonic storm.

On the basis of the available records(1971-2000) in this month Raipur experiences the following extreme values :

- 1.The highest maximum temperature of 47.2°C on 8th June 1995, 01st June 1988 and 11th June 1931.
- 2.The lowest minimum temperature of 16.1°C on 21st June 1884.
- 3.Monthly total highest rainfall of 649.3 mm in the year 2007.
- 4.The heaviest rainfall in 24 hours was now is 297.0 mm on 30th June 2007.

The date of onset of monsoon over Raipur and the rainfall during the month in the last decade are given in the following table

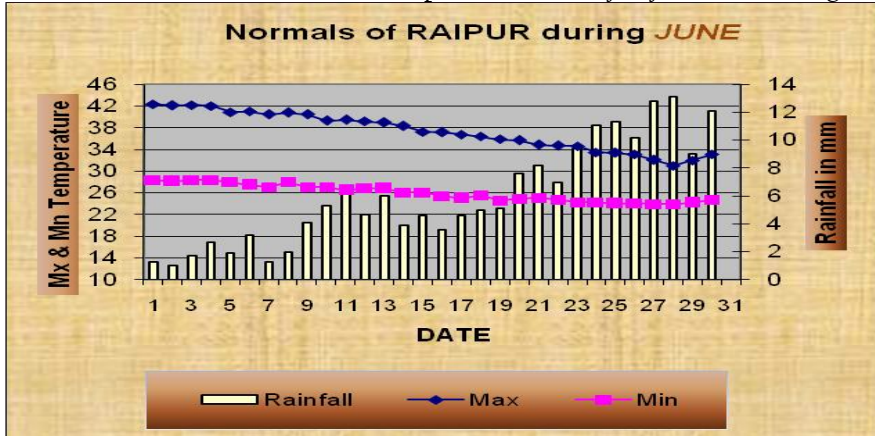
YEAR	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Onset date	24	24	12	27	17	17	18	09 th	19 th June	14 th June	17 th Jun
R/F in the month	71.8	649.3	214.1	32.7	94.6	190.0	259.2	285.7	86.1	268.1	165.2

CLIMATIC FEATURES OF RAIPUR DURING JUNE

Daily Temperature

The chief climatic features of Raipur in June are the onset of the southwest monsoon which brings a rapid fall in day temperature. The normal date of onset of monsoon is 10th June but in the last decade it is observed that the date of onset of monsoon has been varying from 9th to 16th June. The mean maximum temperature during first week is 41.6°c which comes down to 33.5°c by the end of the month. There are occasions of hot spells with a rise in temperature at the end of the month. The mean minimum temperature during the first week is 27.0°c which comes down to 24.6°c by the end of the month.

The Normal Maximum, Minimum temperature & Rainfall for the month is given in the graph 1 below.



Extreme temperature.

On the basis of the available in this month Raipur experiences the following extreme values :

1. The highest maximum temperature of 47.2°c on 8th June 1995, 01st June 1988 and 11th June 1931.
2. The lowest minimum temperature of 16.1°c on 21st June 1884.

Rainfall

Monthly total highest rainfall of 649.3 mm in the year 2007. The heaviest rainfall in 24 hours was now is 297.0 mm on 30th June 2007 while previous highest was 207.0 mm on 21st June 1986.

The date of onset of monsoon over Raipur and the rainfall during the month in the last decade are given in the following table

YEAR	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Onset date	24	24	12	27	17	17	18	09 th	19 th June	14 th June	17 th June
R/F the month	71.8	649.3	214.1	32.7	94.6	190.0	259.2	285.7	86.1	268.1	165.2

Weather Phenomenon

The average number of days with different weather phenomenon is given in the following table

Rainy Days	Drizzle/Rain (>0.3mm)	Hail	Thunder	Squall	Duststorm	Gale	Fog
9.5	13.6	0.0	7.6	0.5	0.0	---	0.0

EXTREME WEATHER EVENTS IN THE MONTH OF JUNE

Raipur		June		DNA- Data Not Available	
EXTREME WEATHER EVENTS IN THE MONTH OF JUNE					
Year	Temperature(oC)		Rainfall (mm)		
	Highest Maximum(Date)	Lowest Minimum(Date)	24 Hours Highest (Date)	Monthly Total(mm)	
2016	44.1(4)	23.6(18)	31.9(14)	165.2	
2015	44.9(1)	23.3(1)	111.6(22)	268.1	
2014	45.9(9)	23.5(15)	32.6(15)	86.1	
2013	42.2(1)	23(8)	77(22)	285.7	
2012	46.9(2)	22.3(21)	125.6(21)	259.2	
2011	43(2)	22.3(8)	63(8)	190.0	
2010	45.4(02,03)	24(17)	19.9(17)	94.6	
2009	44.5(10,11)	24.6(06,07)	6.6(7)	32.7	
2008	43.1(3)	23.6(9)	37.8(29)	214.1	
2007	44.9(5)	22.6(27)	297(30)	649.3	
ALL TIME RECORD	47.2(11.06.1931 & 01.06.1988 & 08.06.1995)	16.1(21.06.1884)	297(30.06.2007)	649.3 (2007)	

Bilaspur		June		DNA- Data Not Available	
EXTREME WEATHER EVENTS IN THE MONTH OF JUNE					
Year	Temperature(oC)		Rainfall (mm)		
	Highest Maximum(Date)	Lowest Minimum(Date)	24 Hours Highest (Date)	Monthly Total(mm)	
2016	43.2(3)	25(28)	35.2(28)	96.8	
2015	45.1(1)	23.1(14)	80.1(23)	270.3	
2014	45.8(7)	21.7(21)	48.4(20)	160.8	
2013	42.7(1)	23.8(16)	39(24)	174.4	
2012	47.2(2)	22.5(19)	62(19)	168.5	
2011	43(3)	23.4(8)	30.4(21)	100.3	
2010	47(3)	21.6(22)	31(24)	73.6	
2009	46.5(23)	23.4(7)	50.9(30)	64.4	
2008	40.5(6)	23(22)	52.4(27)	255.9	
2007	DNA(DNA)	DNA(DNA)	DNA(DNA)	DNA	
ALL TIME RECORD	47.2(02.06.2012)	21.6(22.06.2010)	80.1(23)	270.3 (2015)	

Pendra		June		DNA- Data Not Available	
EXTREME WEATHER EVENTS IN THE MONTH OF JUNE					
Year	Temperature(oC)		Rainfall (mm)		
	Highest Maximum(Date)	Lowest Minimum(Date)	24 Hours Highest (Date)	Monthly Total(mm)	
2016	40.3(11)	21.2(14)	49(28)	126.1	
2015	43.3(1)	19.7(29)	30.5(18)	128.9	
2014	44.1(9)	19.9(21)	48.1(21)	111.2	
2013	40.2(6)	19.7(9)	49.8(26)	297.4	
2012	44.6(2)	20.2(18)	11.4(21)	51.6	
2011	38.3(14)	19(14)	58.9(28)	220.1	
2010	43.3(3)	19.6(22)	49.2(22)	79.4	
2009	43.2(23)	22.5(3)	21.3(27)	50.9	
2008	39.8(1)	19.1(21)	91.8(29)	323.7	
2007	42.4(05.09)	21.1(12)	47.5(26)	169.7	
ALL TIME RECORD	44.6(05.06.2003 & 02.06.2012)	16.7(13.06.1915)	242.1(25.06.1946)	540.6 (1994)	

Jagdalpur		June		DNA- Data Not Available	
EXTREME WEATHER EVENTS IN THE MONTH OF JUNE					
Year	Temperature(oC)		Rainfall (mm)		
	Highest Maximum(Date)	Lowest Minimum(Date)	24 Hours Highest (Date)	Monthly Total(mm)	
2016	42.4(1)	20.6(24)	154.5(28)	438.2	
2015	38.3(1)	20.4(6)	150.6(21)	492.0	
2014	41.5(1)	20.2(27)	72.1(28)	164.9	
2013	36.8(4)	20.5(22)	142.9(13)	590.1	
2012	43.7(2)	20(29)	45.4(29)	147.6	
2011	36.4(7)	21(14)	26.7(14)	110.4	
2010	41.7(02,03)	21(26)	43.6(21)	235.7	
2009	40.3(10)	21(25)	25(25)	93.7	
2008	39.1(2)	21.4(14)	93.6(8)	287.6	
2007	39.9(3)	22(20)	77.5(29)	337.1	
ALL TIME RECORD	45.5(05.06.2003)	14.5(10.06.1986)	259.7(17.06.1974)	590.1 (2013)	

Ambikapur		June		DNA- Data Not Available	
EXTREME WEATHER EVENTS IN THE MONTH OF JUNE					
Year	Temperature(oC)		Rainfall (mm)		
	Highest Maximum(Date)	Lowest Minimum(Date)	24 Hours Highest (Date)	Monthly Total(mm)	
2016	41.2(11)	23.8(23)	7.2(23)	18.4	
2015	42.3(1)	19.8(29)	40.6(23)	114.4	
2014	43.8(12)	20.9(22)	28.4(29)	109.9	
2013	39.9(2)	22(28)	16.4(10)	91.0	
2012	44.7(2)	20.2(23)	99.5(23)	197.7	
2011	40.7(3)	21.4(21)	129(20)	315.9	
2010	44.1(3)	21.4(22)	74.9(27)	114.8	
2009	43.7(23)	21.6(28)	7.4(28)	24.6	
2008	40.3(1)	20.7(21)	61.2(24)	387.2	
2007	43.2(4)	20.2(11)	44.3(11)	182.2	
ALL TIME RECORD	44.9(04.06.1995)	17.2(03.06.1980)	171(30.06.2005)	835.3 (1994)	

Durg		June		DNA- Data Not Available	
EXTREME WEATHER EVENTS IN THE MONTH OF JUNE					
Year	Temperature(oC)		Rainfall (mm)		
	Highest Maximum(Date)	Lowest Minimum(Date)	24 Hours Highest (Date)	Monthly Total(mm)	
2016	44.6(4)	22.4(25)	36.8(29)	213.0	
2015	42.4(1)	22.6(1)	50.8(23)	182.4	
2014	45.4(9)	21.6(19)	69.2(19)	133.2	
2013	42.8(1)	22(8)	76.6(8)	281.0	
2012	46.2(2)	20.2(22)	81.6(21)	140.4	
2011	43.5(3)	20.5(8)	35.6(8)	202.8	
2010	44.3(01,02)	22.3(14)	85.8(16)	242.0	
2009	DNA(DNA)	DNA(DNA)	DNA(DNA)	DNA	
2008	DNA(DNA)	DNA(DNA)	DNA(DNA)	DNA	
2007	DNA(DNA)	DNA(DNA)	DNA(DNA)	DNA	
ALL TIME RECORD	46.2(02.06.2012)	20(03.06.1988)	113(11.06.1970)	370.6 (1971)	

Rajnandgaon		June		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	DNA(DNA)	DNA(DNA)	DNA(DNA)	DNA	
2015	DNA(DNA)	DNA(DNA)	DNA(DNA)	DNA	
2014	DNA(DNA)	DNA(DNA)	DNA(DNA)	DNA	
2013	DNA(DNA)	DNA(DNA)	DNA(DNA)	DNA	
2012	DNA(DNA)	DNA(DNA)	DNA(DNA)	DNA	
2011	DNA(DNA)	DNA(DNA)	DNA(DNA)	DNA	
2010	DNA(DNA)	DNA(DNA)	DNA(DNA)	DNA	
2009	DNA(DNA)	DNA(DNA)	DNA(DNA)	DNA	
2008	DNA(DNA)	16.2(11,12)	25.2(8)	111.8	
2007	DNA(DNA)	DNA(DNA)	DNA(DNA)	DNA	
ALL TIME RECORD	45.6(06.06.1983 & 12.06.1986)	14(30.06.2003)	215.4(21.06.1986)	844.9 (1986)	

Janjgir (Champa)		June		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	DNA(DNA)	DNA(DNA)	DNA(DNA)	DNA	
2015	DNA(DNA)	DNA(DNA)	DNA(DNA)	DNA	
2014	DNA(DNA)	DNA(DNA)	DNA(DNA)	DNA	
2013	DNA(DNA)	DNA(DNA)	DNA(DNA)	DNA	
2012	45.6(1)	23.4(6)	0()	0.0	
2011	46(6)	18.6(20)	8(19)	15.5	
2010	DNA(DNA)	DNA(DNA)	DNA(DNA)	DNA	
2009	DNA(DNA)	DNA(DNA)	DNA(DNA)	DNA	
2008	DNA(DNA)	DNA(DNA)	DNA(DNA)	DNA	
2007	45.2(5)	23.4(18)	0()	0.0	
ALL TIME RECORD	47.2(03.06.1978)	18.6(20.06.2011)	154.6(25.06.1966)	475.0 (1966)	