

Rainfall Data for the SW Monsoon

- All India Monthly and Seasonal (June-September) Rainfall Series (1901-2009)
- Seasonal (June-September) Rainfall Series for the Four Homogeneous Regions (1901-2009)
 1. *Northwest India*
 2. *Central India*
 3. *Northeast India*
 4. *South Peninsula*

INDIA JUNE-SEPT RAINFALL

ACTUAL RAINFALL IN MM						RAINFALL IN % DEPARTURE				
YEAR	JUN	JUL	AUG	SEP	JUN-SEP	JUN	JUL	AUG	SEP	JUN-SEP
1901	109.1	241.4	284.2	121.9	756.6	-29.9	-16.7	11.0	-28.4	-13.1
1902	104	283.7	202.6	201.9	792.1	-33.6	-2.0	-21.0	18.7	-9.1
1903	114.8	293	279.6	204.4	891.9	-26.6	1.6	9.6	20.3	2.6
1904	158.8	266.4	210.4	129.6	765.2	2.8	-7.7	-17.4	-23.8	-11.8
1905	88.7	252.5	202.6	174.6	718.5	-43.6	-12.3	-21.2	3.2	-17.4
1906	176.9	285.8	259.8	179.8	902.3	14.2	-1.1	2.1	6.4	4.0
1907	150.1	223.5	311.6	95.1	780.3	-3.3	-22.9	23.5	-44.7	-10.0
1908	125.4	331.5	317	153.8	927.7	-19.4	15.6	25.6	-9.5	7.4
1909	205	318.1	239.9	164.9	927.9	31.8	11.1	-6.0	-2.7	7.1
1910	208	248.1	296.9	187.2	940.2	33.5	-14.5	16.9	10.5	8.1
1911	189.5	158.5	212.5	183.1	743.5	21.7	-45.9	-16.4	7.9	-14.7
1912	104.9	337.6	267.7	119.6	829.8	-33.0	17.0	5.3	-29.9	-4.5
1913	214.4	272	189.8	108	784.3	38.0	-6.0	-25.6	-37.0	-10.0
1914	158.2	358.9	246.2	201	964.3	1.1	23.9	-4.3	17.6	10.4
1915	155	231.5	233	175.2	794.7	-1.3	-20.8	-9.3	2.4	-9.4
1916	233.8	301.5	318.8	202	1056.1	34.3	-5.7	20.6	14.9	13.2
1917	218.1	279.3	300.7	283.1	1124.2	37.8	-4.2	17.0	64.5	22.9
1918	206.3	180.4	240.7	109.1	736.5	13.5	-47.1	-11.4	-42.1	-24.9
1919	192.7	323.7	299.8	163.2	979.5	10.3	4.9	15.7	-11.4	5.9
1920	166.3	302.3	190.8	122.2	781.6	-5.6	0.6	-32.5	-33.3	-16.8
1921	190.6	305.6	281.2	209.1	986.4	5.4	-4.5	3.7	16.3	3.7
1922	201.2	326.1	225.6	204.6	957.5	14.5	5.9	-15.5	18.2	3.5
1923	100.7	343.5	277.8	178.9	901	-42.7	10.1	7.6	-1.7	-2.5
1924	133.8	334.2	266.4	238.3	972.8	-30.8	8.5	-0.6	36.1	4.1
1925	210.4	313.6	240.4	141.5	905.9	25.4	4.1	-11.4	-30.7	-3.3
1926	97.2	327.8	348	210.7	983.7	-48.3	5.5	33.1	21.3	6.9

1927	174.9	354.4	266.7	174.8	970.7	-3.2	14.9	-1.2	-10.5	2.0
1928	178.7	318.5	234.5	144.4	876	-1.8	2.4	-15.7	-23.3	-8.6
1929	192.5	296.3	246.8	129	864.6	10.4	-2.1	-7.3	-28.9	-6.5
1930	183.9	307.2	208.5	176.8	876.4	7.5	3.1	-25.2	-2.3	-5.4
1931	129.1	319.2	318.9	195.1	962.3	-32.4	0.3	23.2	9.9	2.9
1932	136.8	337.6	238.1	187.2	899.7	-26.9	12.4	-12.4	3.0	-3.7
1933	220.8	293.8	328.2	218.2	1061	29.0	-5.2	23.2	25.0	15.1
1934	213.9	292.5	305.5	168.3	980.3	21.3	-7.4	14.9	-5.3	4.7
1935	155.9	324.3	251.3	188	919.5	-16.7	6.4	-9.4	3.6	-2.9
1936	252.1	300.6	243.8	197.4	993.9	48.9	-5.6	-9.7	10.1	6.1
1937	164.3	346.2	216.5	176	903.1	-2.8	13.3	-21.7	0.2	-2.3
1938	277.2	311	253.6	163.1	1005	56.6	-2.7	-6.4	-13.0	5.0
1939	167.6	286	248.5	158.4	860.5	-7.9	-8.5	-7.5	-11.8	-8.7
1940	178.6	317.1	285.8	123.6	905	5.4	0.7	10.3	-35.5	-2.6
1941	166.9	251.4	241	154.2	813.5	-2.6	-19.8	-10.5	-16.2	-13.3
1942	187.4	356.6	303.3	193.2	1040.5	3.6	19.2	16.3	10.4	13.8
1943	164.3	324.3	246.6	217.9	953.1	-5.8	6.8	-6.3	22.4	3.7
1944	151.7	362.9	292.8	151.2	958.7	-15.9	21.0	13.5	-17.6	4.8
1945	156.3	333.9	244.3	215.2	949.7	-6.5	8.2	-9.3	25.2	3.7
1946	211.3	323	305.4	143.7	983.4	27.1	2.5	16.8	-20.6	6.7
1947	127.1	310.2	294.5	243.7	975.5	-29.2	-2.2	12.7	39.4	5.2
1948	162.1	346	295.1	174.1	977.2	-9.4	2.3	10.2	-1.2	1.8
1949	155.2	320.7	241.1	223.9	940.8	-14.7	2.6	-10.3	27.7	0.5
1950	133.3	337.9	245.2	206.8	923.2	-17.6	13.5	-6.4	20.2	3.7
1951	152.6	248.4	227.6	120.6	749.2	-13.6	-18.9	-12.1	-32.9	-18.7
1952	167.8	286.5	262.1	111.4	827.8	2.5	-4.1	0.2	-38.3	-8.2
1953	167.7	336.2	302.7	176.8	983.4	1.0	12.3	18.8	0.0	9.8
1954	140.3	294.4	232.7	247.1	914.4	-13.4	-1.1	-9.8	44.9	3.1
1955	171.9	249.9	317.2	223	962	9.6	-15.4	24.9	32.7	10.1
1956	200.9	354.7	262.6	169.6	987.8	27.4	22.5	3.7	0.6	13.6
1957	142.2	289.9	283.7	130.7	898.1	-10.8	0.9	12.6	-22.1	-2.4
1958	123.7	326.1	328.7	234.5	1012.9	-28.4	9.7	17.9	34.2	9.8
1959	168.4	374.3	263.3	230.7	1036.7	-3.7	23.0	3.1	33.0	14.3
1960	157.8	322.2	266.5	183.6	930	-8.3	3.0	4.5	-1.4	0.6
1961	193.5	345.9	295.7	243.1	1078.2	10.7	18.4	15.6	48.8	21.8
1962	131.2	281.4	270.2	210.8	893.6	-34.4	-5.1	-0.2	28.4	-3.0
1963	155.6	264.5	328.2	163.9	912.2	-11.6	-15.3	21.8	-5.8	-2.1
1964	179.8	358.3	288.4	205	1031.4	-5.0	12.6	10.8	17.5	9.8
1965	114.9	282.6	205.4	135.4	738.3	-33.3	-4.8	-22.7	-20.8	-18.2
1966	172.2	251.3	211.9	144.3	779.8	3.6	-15.9	-18.8	-15.4	-13.2

1967	142.6	308	266.6	166.9	884.1	-13.1	2.5	7.0	-2.0	0.1
1968	148.4	306.7	207.9	128.6	791.6	-12.5	5.1	-17.3	-24.5	-10.3
1969	128.4	314	271.2	174.7	888.3	-23.5	6.6	5.8	2.8	0.2
1970	212.1	253.6	319.3	213.7	998.7	30.7	-16.0	26.0	23.2	12.2
1971	240.6	278.4	256.7	149.8	885.7	43.1	-9.7	5.3	-10.6	4.0
1972	127.4	215.6	218.1	136.3	697.4	-26.7	-31.2	-14.1	-23.6	-23.9
1973	163.8	283.9	314.9	193.4	956.1	-8.0	-3.0	27.8	10.6	7.5
1974	128.3	289.1	239.4	142	798.8	-25.6	-4.4	-5.3	-21.8	-12.0
1975	173.8	314.4	296.6	226.7	1011.4	4.9	6.0	21.0	32.2	15.2
1976	155.4	285.3	319.5	141.3	901.5	-9.6	-0.9	28.4	-18.0	2.5
1977	186.4	325.4	249.6	149.9	911.3	14.2	13.2	-1.3	-13.0	4.0
1978	218.1	298.8	279.8	168.6	965.2	30.8	1.7	13.5	-4.3	9.2
1979	132.4	264.2	199.3	128.9	724.8	-15.5	-16.0	-18.5	-27.6	-19.0
1980	219.8	293.3	256.8	142.2	912.1	37.7	1.0	1.8	-19.3	3.9
1981	165.8	309.8	228.2	183.3	887.1	-4.0	6.5	-8.7	4.3	-0.2
1982	134.5	234.9	267.7	130.3	767.4	-16.8	-23.1	8.9	-32.2	-14.5
1983	152.2	285.5	309.5	254.2	1001.5	-6.8	-4.3	23.8	43.5	13.0
1984	178.9	285.3	235.8	159.8	859.8	13.2	-7.9	-4.1	-15.0	-4.4
1985	157.3	281.9	239.1	154.2	832.5	-6.4	-5.6	-4.9	-13.3	-7.1
1986	174.1	251.3	218.9	125.5	769.9	10.8	-14.2	-12.7	-31.2	-12.7
1987	133.8	234.1	264.3	142.4	774.6	-21.6	-28.8	-3.7	-25.1	-19.4
1988	165.8	381.6	325.1	221.5	1094.1	6.8	26.6	14.9	24.6	19.3
1989	194.7	318.6	235.7	171	920	19.3	5.1	-7.2	-10.2	0.9
1990	191.7	280.4	294.5	205.8	972.3	12.0	-4.1	12.3	9.1	6.2
1991	181	276.2	247.2	123.9	828.3	8.5	-8.7	-4.5	-33.8	-9.3
1992	126.3	243.1	289.1	173.2	831.7	-22.0	-19.1	14.7	-2.6	-6.7
1993	172.4	294.9	198.8	239.6	905.7	3.5	-4.5	-25.2	36.9	-0.9
1994	208.8	355.9	289.8	146.7	1001.2	29.0	20.8	12.7	-17.1	12.5
1995	135.1	313	259.8	192.4	900.3	-23.6	3.5	-0.4	6.4	-1.9
1996	184.8	286.6	308.5	155.2	935.1	14.5	-7.3	19.4	-12.2	3.4
1997	180.2	296.6	282.4	168.1	927.3	6.4	-1.6	9.3	-6.1	2.2
1998	167.8	296.5	261.4	217.3	943.1	-4.3	-2.1	0.9	26.5	4.0
1999	175.2	273.5	223.7	190.8	863.1	5.1	-8.8	-15.5	10.9	-4.4
2000	190.4	273.6	229.7	139.9	833.7	14.9	-7.7	-12.7	-21.9	-7.8
2001	219	279.5	209.2	114.2	821.9	35.6	-4.8	-19.5	-35.8	-7.8
2002	180.1	146.2	259.8	151.2	737.3	9.4	-54.2	-1.7	-12.9	-19.2
2003	179.9	317.8	252.3	169.5	919.5	9.8	6.5	-4.5	-1.5	2.3
2004	158.7	242.1	248.7	124.6	774.2	-0.8	-19.9	-4.3	-30.0	-13.8
2005	143.2	334.1	190.1	206.9	874.3	-9.5	14.7	-28.4	20.3	-1.3
2006	141.8	287.6	281.3	178.6	889.3	-12.7	-2.0	7.3	2.3	-0.4

2007	192.5	286.2	257.4	206.8	943.0	18.5	-2.4	-1.8	18.4	5.7
2008	202.0	244.9	265.8	165.1	877.7	24.3	-16.5	1.4	-5.5	-1.7
2009	85.7	280.6	192.5	139.4	698.2	-47.2	-4.3	-26.5	-20.2	-21.8
2010	138.1	300.7	274.7	197.7	911.1	-15.6	2.8	4.9	12.0	2.0

HOMOGENEOUS REGIONS JUNE-SEPT RAINFALL

ACTUAL RAINFALL IN MM					RAINFALL IN % DEPARTURE				
YEAR	NWI	NEI	CI	SPIN	NWI	NEI	CI	SPIN	
1901	542.7	1156.3	863.3	622.9	-18.5	-10.1	-12.1	-11.4	
1902	555.1	1317.2	850.0	686.7	-16.0	2.7	-13.4	-2.6	
1903	680.9	1160.6	987.1	859.9	4.3	-9.5	-0.3	21.5	
1904	611.7	1243.0	806.3	603.5	-6.2	-3.2	-18.2	-14.9	
1905	449.6	1383.1	783.4	560.6	-30.9	7.8	-20.5	-20.3	
1906	732.7	1253.7	1009.9	726.5	13.0	-2.6	2.2	3.1	
1907	450.7	1263.9	906.0	736.8	-30.4	-1.9	-7.5	3.9	
1908	787.3	1113.8	1071.0	767.7	20.4	-13.2	9.2	8.3	
1909	831.8	1381.8	946.0	729	27.2	6.3	-3.3	3.2	
1910	725.2	1365.3	1054.3	773.4	11.5	4.7	7.5	9.1	
1911	480.2	1387.7	809.0	588.9	-26.3	6.7	-17.5	-17.0	
1912	615.0	1135.2	950.4	737.1	-5.6	-12.6	-3.1	3.6	
1913	468.8	1385.0	938.8	592.5	-28.1	6.2	-4.4	-16.6	
1914	765.6	1196.4	1119.9	836.1	17.3	-10.5	13.8	17.7	
1915	550.0	1263.1	844.8	755.9	-15.7	-5.4	-14.3	6.4	
1916	834.2	1473.1	1077.5	822.6	28.3	2.7	9.0	16.2	
1917	1024.0	1433.6	1174.7	808.3	57.4	-0.1	19.1	14.2	
1918	345.4	1679.6	679.9	434	-46.9	19.3	-31.1	-38.7	
1919	691.3	1412.5	1119.7	692.1	6.3	-1.5	13.2	-2.1	
1920	504.8	1383.8	760.1	625.3	-22.2	-3.6	-23.2	-11.6	
1921	675.8	1539.1	999.8	742.3	4.1	7.2	1.0	5.0	
1922	770.7	1600.9	954.6	611.3	18.8	12.0	-3.6	-13.3	
1923	640.8	1334.5	934.3	769.8	-0.6	-7.4	-5.4	8.9	
1924	749.5	1505.5	883.0	865.2	17.0	4.3	-11.1	22.2	
1925	684.6	1324.7	939.8	670.9	6.0	-8.2	-5.3	-5.2	
1926	733.1	1416.4	1115.3	694.3	13.5	-2.0	12.0	-2.5	
1927	656.0	1440.8	1030.7	738.8	1.5	-0.2	2.9	3.8	
1928	469.1	1464.1	962.4	650.4	-26.1	1.2	-4.0	-8.7	
1929	575.4	1394.8	930.3	667.7	-10.1	-2.4	-7.0	-6.0	

1930	612.6	1383.5	969.3	592.8	-3.2	-3.1	-2.9	-17.7
1931	656.3	1396.4	1038.4	778	2.0	-2.0	3.8	8.8
1932	594.1	1345.4	998.2	677.6	-6.9	-5.6	-0.2	-5.2
1933	770.6	1448.4	1202.7	854.1	19.7	1.1	20.2	15.2
1934	680.8	1413.6	1156.7	651.3	5.2	-0.8	14.7	-12.2
1935	581.6	1502.8	988.0	693.9	-10.0	5.4	-1.9	-6.5
1936	774.9	1506.5	1025.9	718.7	20.2	5.7	1.9	-3.0
1937	586.4	1338.1	1096.6	637.2	-9.0	-6.2	8.7	-14.0
1938	613.7	1533.8	1054.3	839.6	-4.8	9.4	4.6	13.5
1939	518.4	1461.1	939.3	627.6	-19.7	4.3	-6.8	-15.0
1940	564.9	1270.3	1060.8	742.1	-12.0	-9.3	5.2	0.5
1941	506.6	1458.6	806.4	652.5	-21.0	4.1	-19.2	-11.5
1942	826.3	1469.1	1165.8	718.9	28.8	3.0	17.1	-0.5
1943	712.9	1403.4	1050.0	687.1	11.1	-0.6	5.7	-5.6
1944	678.5	1345.5	1155.0	648.3	5.8	-4.2	15.4	-10.4
1945	690.2	1297.1	1116.0	677.7	7.7	-7.8	11.9	-6.2
1946	651.2	1389.0	1143.4	784.9	1.7	-1.5	14.4	6.3
1947	663.6	1405.7	1052.2	851	3.9	-1.1	5.0	15.5
1948	732.8	1474.0	962.4	736.4	10.3	4.7	-4.0	-0.3
1949	593.5	1479.6	999.8	806.6	-8.8	5.1	-0.2	9.1
1950	785.4	1361.2	955.5	769.5	19.4	1.2	-4.7	4.2
1951	433.2	1204.5	798.3	699.4	-32.3	-11.4	-20.2	-5.7
1952	642.5	1328.1	917.4	528.4	-1.0	-0.3	-8.1	-28.5
1953	777.8	1483.7	1008.9	829.8	20.4	10.5	1.7	13.1
1954	610.9	1335.6	1082.3	788.7	-5.8	-2.4	9.0	8.4
1955	736.3	1317.7	1135.4	755.5	17.2	0.0	13.7	4.0
1956	734.6	1419.0	1141.9	811.2	17.6	7.9	14.7	12.4
1957	753.7	1250.7	866.4	732	24.5	-11.6	-13.3	0.6
1958	749.9	1286.1	1120.3	813.7	18.7	-6.0	12.6	11.5
1959	653.9	1338.3	1207.2	951.7	5.5	-4.6	23.0	30.9
1960	631.9	1452.4	965.4	732	0.7	5.8	-2.2	0.1
1961	804.2	1229.9	1294.1	915.7	28.3	-10.5	33.5	28.5
1962	650.2	1255.6	881.9	784.4	4.5	-9.1	-9.5	10.1
1963	624.6	1328.5	1002.3	689.4	-1.6	-4.6	0.3	-5.0
1964	685.3	1490.2	1095.0	843.7	8.1	7.2	9.6	16.1
1965	411.5	1327.8	764.6	668.6	-35.4	1.7	-23.0	-8.0
1966	587.2	1168.0	786.9	677.3	-7.3	-10.4	-20.9	-6.1
1967	669.8	1172.8	1026.1	707.1	9.6	-11.9	2.3	-2.7
1968	508.3	1300.8	860.4	674.9	-17.4	0.3	-13.8	-5.5
1969	555.2	1462.9	1022.8	660.4	-10.3	12.3	2.8	-6.9

1970	669.3	1474.8	1176.0	773.6	5.4	12.5	17.9	7.7
1971	690.4	1405.9	998.4	638.8	14.6	12.0	-0.4	-9.0
1972	412.8	1106.3	754.9	573.3	-31.3	-18.7	-24.5	-19.6
1973	663.7	1380.1	1084.8	686.2	12.7	1.3	11.1	0.4
1974	478.9	1499.6	703.2	721.4	-19.7	15.0	-28.0	1.9
1975	855.5	1142.4	1095.3	922.2	37.8	-12.3	10.6	29.8
1976	714.8	1271.9	997.7	667.6	15.8	-3.4	2.6	-8.3
1977	686.7	1387.4	981.8	655.7	12.3	6.6	3.1	-8.3
1978	762.1	1371.2	970.7	860.0	18.9	4.9	0.7	20.6
1979	356.2	1216.7	783.9	637.1	-41.7	-6.9	-17.9	-4.9
1980	698.4	1277.5	1024.5	669.7	8.5	-0.6	5.8	-1.5
1981	577.0	1299.5	949.9	789.5	-9.7	-1.5	-2.3	21.9
1982	500.9	1144.3	847.3	596.2	-22.1	-13.0	-12.9	-9.1
1983	689.1	1279.0	1124.5	910.4	6.6	-3.9	16.3	37.8
1984	609.5	1526.3	855.6	562.5	-4.9	16.7	-11.5	-14.8
1985	618.7	1347.1	867.2	562.8	-4.6	2.8	-10.8	-14.8
1986	544.2	1196.5	822.4	594.3	-14.9	-8.6	-15.0	-9.3
1987	371.4	1684.2	683.6	541.9	-43.9	26.2	-29.4	-18.9
1988	808.1	1551.3	1065.6	901.8	23.5	17.9	11.2	35.0
1989	592.6	1466.0	906.0	832.7	-8.1	7.4	-5.2	19.8
1990	684.3	1416.4	1112.1	717.4	10.4	4.9	9.0	-4.0
1991	450.4	1299.8	916.5	820.0	-28.0	-3.8	-9.9	10.1
1992	623.8	1054.0	955.4	863.8	3.4	-22.3	-5.9	15.6
1993	559.3	1474.5	1069.8	652.4	-12.7	8.8	5.7	-12.5
1994	729.9	1131.3	1349.4	705.2	15.3	-15.9	33.2	-4.7
1995	696.4	1471.0	867.6	722.2	10.6	8.4	-14.3	-2.5
1996	749.1	1291.1	933.9	875.5	19.3	-4.6	-7.6	18.0
1997	660.0	1473.2	994.1	728.7	5.5	7.4	-1.0	-1.3
1998	643.1	1468.4	937.2	863.4	4.7	7.6	-5.0	19.5
1999	559.8	1508.5	944.3	628.8	-8.8	11.0	-6.2	-14.1
2000	580.3	1386.3	790.3	801.3	-5.7	2.2	-21.7	9.4
2001	561.6	1210.2	955.1	659.4	-8.8	-10.7	-4.9	-10.0
2002	434.7	1353.9	829.2	506.7	-26.1	-6.7	-16.9	-32.5
2003	663.7	1300.4	1096.6	648.0	7.8	-4.0	8.3	-11.5
2004	481.4	1211.6	889.1	617.4	-21.3	-11.2	-10.6	-15.0
2005	549.3	1043.7	1097.6	807.0	-10.2	-23.5	10.4	11.6
2006	574.9	1160.7	1157.3	684.5	-6.0	-14.7	16.3	-5.3
2007	521.9	1502.0	1075.8	902.1	-14.7	10.4	8.1	24.8
2008	641.2	1326.9	958.7	692.5	4.8	-2.5	-3.6	-4.2
2009	394.6	1098.1	795.5	682.3	-35.5	-23.1	-20.1	-5.6

2010	686.8	1172.7	1028.8	848.1	12.0	-18.3	3.6	17.3
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NWI : NORTHWEST INDIA
NEI : NORTHEAST INDIA

CI : CENTRAL INDIA
SPIN : SOUTH PENINSULAR INDIA

