

2. CLIMATE AND RAINFALL

2.1 MONTHLY RAINFALL DATA-SEASON WISE

(In Millimeters)

YEAR: 2015-16

Period	Actual Rainfall	Normal Rainfall	% Deviation
<u>1. South West Monsoon Period</u>			
June 2015	26.4	64.1	-58.8
July 2015	153.5	108.6	41.3
August 2015	120.5	147.9	-18.5
September 2015	69.5	118.5	-41.4
Total	369.9	439.1	-15.8
<u>2. North East Monsoon</u>			
October 2015	149	266.5	-44.1
November 2015	1017.7	367.8	176.7
December 2015	441.9	155.6	184.0
Total	1608.6	789.9	103.6
<u>3. Winter-Period</u>			
January 2016	0.5	22.1	-97.7
February 2016	0	14.6	-100.0
Total	0.5	36.7	-98.6
<u>4. Hot-Weather Period</u>			
March 2016	0	3	-100.0
April 2016	0	12	-100.0
May 2016	198.1	43.5	355.4
Total	198.1	58.5	238.6
Whole Year	2177.1	1324.2	64.4

Source: Deputy Director General of Meteorology, Chennai.

2.2 SEASON WISE RAINFALL

2015-16

Period	Actual	Normal	Deviation
South west Monsoon Period June –September	369.9	439.1	-15.8
North East Monsoon October – December	1608.6	789.9	103.6
Winter period January – February	0.5	36.7	-98.6
Hot Weather Period March – May	198.1	58.5	238.6

2.3 TIME SERIES DATA OF RAINFALL BY SEASONS (LAST 14 YEARS)

In mm

YEAR	SWMS				NEMS				WINTER				HOT WEATHER				ANNUAL RAINFALL			
	Normal	Actual	Deviation	% Variation	Normal	Actual	Deviation	% Variation	Normal	Actual	Deviation	% Variation	Normal	Actual	Deviation	% Variation	Normal	Actual	Deviation	% Variation
2002-03	330	185	-144	-44	468	407	-61	-13	37	9	-28	-76	130	130	0	0	964.1	731	-24.2	-24

2003-04	332	337	5	2	465	403	-62	-13	37	12	-26	-69	128	283	155	121	961.8	1035	7.6	8
2004-05	332	361	29	9	465	472	8	2	37	14	-23	-62	128	232	103	80	961.8	1079	12.2	12
2005-06	333	308	-25	-7	459	830	371	81	37	16	-21	-57	130	151	21	17	958.5	1306	36.1	36
2006-07	316	251	-65	-21	431	498	66	15	35	11	-24	-69	129	100	-29	-22	911.6	860	-5.7	-6
2007-08	316	342	26	8	431	515	84	20	35	47	11	32	129	261	132	102	911.6	1165	27.7	28
2008-09	288	334	46	16	431	553	122	28	35.3	7.7	-28	-78	129	132	3	2	883.1	1026	142.5	16
2009-10	316	317	1	0	431	483	52	12	35	12	-23	-66	129	127	-2	-2	912.0	938	26	2.9
2010-11	319	384	64	20	430	605	175	41	31.3	36.3	5	16	128	140	12	10	908.6	1165	256.5	28.2
2011-12	439.1	769.6	75.3	100.4	789.9	835.9	5.8	38.1	36.8	17.0	-53.8	-53.2	58.5	0.5	-99.1	-99.6	1324.3	1623	22.6	39.3
2012-13	433.9	852.7	418.8	97.0	877.3	852.0	-25.3	-3.0	24.7	16.3	-8.4	-34.0	55.6	3.6	-52	-94.0	1391.5	1724.6	333.1	24.0
2013-14	439.1	597.6	158.5	36.07	789.9	463.5	-326.4	-41.32	36.7	7.1	-29.6	-80.65	58.8	30.5	-28.3	-48.37	1324.5	1098.7	-225.8	-17.04
2014-15	439.1	529.4	+90.3	+20.6	789.9	719.6	-70.3	-8.9	36.7	14	-22.7	-61.9	58.5	59.2	0.7	+1.2	1324.2	1322.2	-2.0	-0.2
2015-16	439.1	369.9	-69.2	-15.8	789.9	1608.6	818.7	103.6	36.7	0.5	-36.2	-98.6	58.5	198.1	139.6	278.6	1324.2	2177.1	792.9	64.4

SWMS- South West Monsoon , NEMS-North East Monsoon

2.4 Monthly Rainfall April 2014 to March 2015

Month	Actual	Normal	% Deviation	Classification of Rainfall
April 2015	52.8	12	340	Excess
May 2015	6.4	43.5	-85.3	Scanty
June 2015	26.4	64.1	-58.8	Deficient
July 2015	153.5	108.6	41.3	Excess
August 2015	120.5	147.9	-18.5	Deficient

September 2015	69.5	118.5	-41.4	Deficient
October 2015	149	266.5	-44.1	Deficient
November 2015	1017.7	367.8	176.7	Excess
December 2015	441.9	155.6	184.0	Excess
January 2016	0.5	22.1	-97.7	Scanty
February 2016	0	14.6	-100.0	No Rainfall
March 2016	0	3	-100.0	No Rainfall

Source India meteorological Department, Chennai-6.

Excess – 20% and above

Normal – 19% to -19%

Deficient - 20% to 59%

Scanty – 60% to 99% No Rain – 100%