



**Government of India
Earth System Science Organization
Ministry of Earth Sciences
India Meteorological Department**

**Press Release
Dated: 1 August, 2016**

Subject: Rainfall situation during first half (June-July) of 2016 Monsoon season.

This year during June 2016, Southwest monsoon rainfall was 11% below the Long Period Average (LPA). However, July rainfall has been 7% above the LPA. A north-south belt comprising of the States and Meteorological sub divisions such as west Uttar Pradesh, Madhya Pradesh, east Rajasthan, Vidarbha, Marathawada, Madhya Maharashtra, north interior Karnataka, Rayalaseema and Tamil Nadu have received wide spread and excess rainfall during July 2016. It has completely wiped out the 11% deficiency of June rainfall as the cumulative rainfall for the first half of the monsoon season (June-July) is normal with 0% departure from the LPA. The rainfall statistics are given in the following table:

Regions	01 June-30 June	01 July-31 July	01 June-31 July
	% Dep. from LPA	% Dep. from LPA	% Dep. from LPA
Country as a whole	-11%	7%	0%
Northwest India	-7%	9%	6%
Central India	-17%	18%	6%
South Peninsula	26%	-12%	4%
East & Northeast India	-28%	-2%	-13%

Out of the last 46 years since 1970, July month rainfall was below 100% of LPA during 34 years. During last 10 years, 2016 is the only year after 2013 and 2010, when July month rainfall has been above 100% of LPA. The rainfall data of the month of July for last 46 years is given in Annexure-I.

Forecast for second half (August-September) of 2016 monsoon

- Rainfall over the country as a whole during second half of southwest monsoon season (August to September) is most likely to be above normal (>106% of LPA) with a probability of 55%.
- Quantitatively, the rainfall for the country as a whole during second half of the season is likely to be 107% of LPA with a model error of $\pm 8\%$.
- The rainfall during August is likely to be $104 \pm 9\%$ of LPA as was forecasted in June.
- The season (June to September) rainfall over the country as a whole is likely to be $106\% \pm 4\%$ of LPA as was forecasted in June.

Annexure-I

All India Rainfall (% Departure) in the month of July			
Year	July	Year	July
1970	-16	1993	-4.5
1971	-9.7	1994	20.8
1972	-31.2	1995	3.5
1973	-03	1996	-7.3
1974	-4.4	1997	-1.6
1975	06	1998	-2.1
1976	-0.9	1999	-8.8
1977	13.2	2000	-7.7
1978	1.7	2001	-4.8
1979	-16	2002	-54.2
1980	01	2003	6.5
1981	6.5	2004	-19.9
1982	-23.1	2005	14.7
1983	-4.3	2006	-02
1984	-7.9	2007	-2.4
1985	-5.6	2008	-16.5
1986	-14.2	2009	-4.3
1987	-28.8	2010	2.8
1988	26.6	2011	-14.9
1989	5.1	2012	-13.4
1990	-4.1	2013	7.3
1991	-8.7	2014	-9.6
1991	-8.7	2015	-16.4
1992	-19.1	2016	6.6