

**GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
RAJYA SABHA
UNSTARRED QUESTION No. 171
TO BE ANSWERED ON THURSDAY, NOVEMBER 17, 2016
LESS THAN NORMAL RAINFALL DURING MONSOON**

171. SHRI A.K. SELVARAJ:

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether it is a fact that the country got three per cent less rain than normal during the monsoon months of June to September, 2016;**
- (b) whether it is also a fact that this is the first time since 2011 that the department was not able to forecast the overall sign of the monsoon this year; and**
- (c) whether it is also a fact that the southern parts of our country received much less rain during these monsoon months, if so, the details thereof?**

ANSWER

**MINISTER OF STATE FOR MINISTRY OF SCIENCE AND TECHNOLOGY AND
MINISTRY OF EARTH SCIENCES
(SHRI Y. S. CHOWDARY)**

- (a) Yes sir. The seasonal rainfall during the 2016 monsoon season (June-September) over the country as a whole was 862 mm or 3% less than its Long Period Average (LPA). The LPA for the period 1951-2000 is 887.5mm.**
- (b) No sir. The forecasted and realized season rainfall anomalies during the period 2010-2016 are given below. As seen in the table given below, the signs of the forecasted rainfall anomalies were same as that of realized rainfall anomalies in 4 years (2010, 2012, 2014 and 2015); the signs were different during 2011, 2013 & 2016. In 2015, India Meteorological Department was successful in correctly predicting the deficient rainfall over the country.**

Year	Actual % departure	Forecast % departure
2010	2	2
2011	2	-5
2012	-7	-4
2013	6	-2
2014	-12	-7
2015	-14	-12
2016	-3	6

- (c) No sir.**

In terms of percentage of long period average (LPA), northeast India received lowest percentage (89% of LPA) followed by south peninsular India (92% of LPA). The subdivision wise rainfall over south Peninsula during the 2016 SW monsoon season is in Annexure-1.

Annexure-1

Subdivision wise season rainfall during the 2016 SW monsoon season over south Peninsula.

SOUTH PENINSULA		Realised rainfall	LPA	% of LPA
1	A & N ISLAND	1562.6	1682.5	93%
2	COASTAL ANDHRA PRADESH	662.9	581.1	114%
3	TELANGANA	899.8	755.2	119%
4	RAYALASEEMA	392.2	398.3	98%
5	TAMILNADU & PUDUCHERRY	258.1	317.2	81%
6	COASTAL KARNATAKA	2428.8	3083.8	79%
7	N. I. KARNATAKA	525.7	506.0	104%
8	S. I. KARNATAKA	524.5	660.0	79%
9	KERALA	1352.2	2039.6	66%
10	LAKSHADWEEP	745.5	998.5	75%