

**GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
RAJYA SABHA
UNSTARRED QUESTION No. 3387
TO BE ANSWERED ON MONDAY, MARCH 26, 2018**

DEFICIENT WINTER RAINFALL

3387. SHRI T. RATHINAVEL:

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether it is a fact that India got just 33 per cent of normal rainfall during the last winter;**
- (b) if so, the details thereof;**
- (c) whether it is also a fact that India Meteorological Department (IMD) figures show that 95 per cent of the country had deficient winter rainfall with as much as 67 per cent of the country's area recording either large deficiency or no rain; and**
- (d) if so, the details thereof ?**

ANSWER

**MINISTER FOR MINISTRY OF SCIENCE AND TECHNOLOGY
AND MINISTRY OF EARTH SCIENCES
(DR. HARSH VARDHAN)**

(a)-(b) No Sir. The country as a whole received 37% of normal rainfall during the winter season (January-February), 2018.

(c)-(d) Yes Sir. One sub-division, viz. Gujarat Region reported 'No Rain' during the season whereas 22 sub-divisions viz., Nagaland, Manipur, Mizoram & Tripura; Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal; Jharkhand; Bihar; East Uttar Pradesh; West Uttar Pradesh; Uttarakhand; Haryana, Chandigarh & Delhi; Himachal Pradesh; Jammu & Kashmir; West Rajasthan; East Rajasthan; Odisha; West Madhya Pradesh; Saurashtra, Kutch & Diu; Konkan & Goa; Madhya Maharashtra; Coastal Andhra Pradesh; Telangana; Coastal Karnataka and Lakshadweep received Large Deficient rainfall.

The Rainfall map and the sub-division wise rainfall distribution for the Winter Season 2018 are given as annexure for reference.

SUBDIVISION-WISE RAINFALL (MM) DISTRIBUTION

S. NO.	METEOROLOGICAL SUBDIVISIONS	PERIOD: 01.01.2018		TO 28.02.2018	
		ACTUAL	NORMAL	% DEP.	CAT.
EAST & NORTH EAST INDIA		23.1	55.8	-59%	
1	ARUNACHAL PRADESH	98.9	148.1	-33%	D
2	ASSAM & MEGHALAYA	20.3	46.9	-57%	D
3	N M M T	12.5	44.0	-72%	LD
4	SHWB & SIKKIM	17.0	60.3	-72%	LD
5	GANGETIC WEST BENGAL	1.1	34.4	-97%	LD
6	JHARKHAND	4.1	33.4	-88%	LD
7	BIHAR	0.4	23.0	-98%	LD
NORTH WEST INDIA		25.3	77.6	-67%	
1	EAST U.P.	4.6	28.9	-84%	LD
2	WEST U.P.	6.7	33.3	-80%	LD
3	UTTARAKHAND	33.7	106.2	-68%	LD
4	HAR. CHD & DELHI	10.4	32.9	-68%	LD
5	PUNJAB	24.1	49.5	-51%	D
6	HIMACHAL PRADESH	55.1	195.5	-72%	LD
7	JAMMU & KASHMIR	79.5	212.9	-63%	LD
8	WEST RAJASTHAN	0.3	7.4	-97%	LD
9	EAST RAJASTHAN	0.1	10.5	-99%	LD
CENTRAL INDIA		6.7	15.9	-58%	
1	ODISHA	0.4	31.8	-99%	LD
2	WEST MADHYA PRADESH	3.3	13.6	-76%	LD
3	EAST MADHYA PRADESH	19.7	35.3	-44%	D
4	GUJARAT REGION	0.0	1.0	-100%	NR
5	SAURASHTRA & KUTCH	0.0	0.3	-99%	LD
6	KONKAN & GOA	0.0	0.1	-99%	LD
7	MADHYA MAHARASHTRA	0.1	1.9	-94%	LD
8	MARATHWADA	6.9	6.8	2%	N
9	VIDARBHA	20.4	17.2	18%	N
10	CHHATTISGARH	12.6	20.8	-39%	D

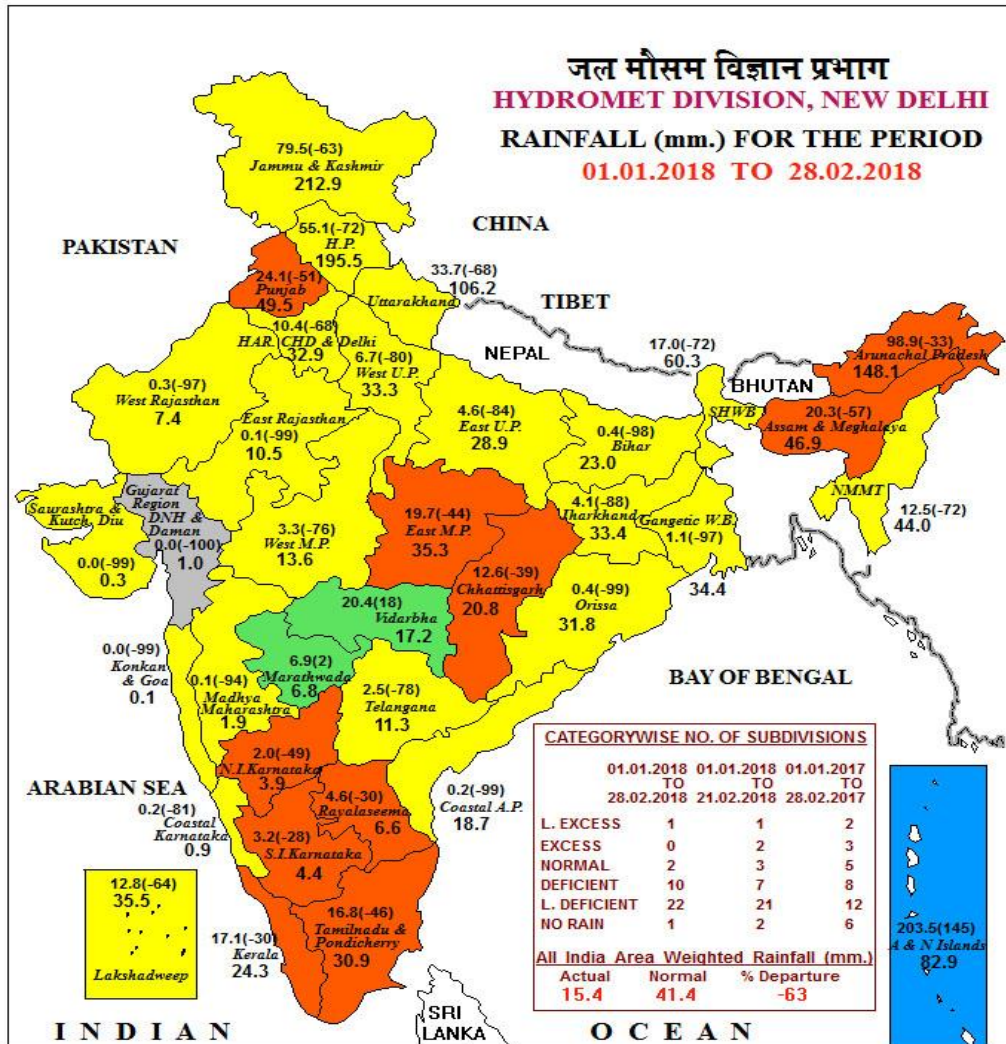
SOUTH PENINSULA		8.7	15.2	-43%	
1	A & N ISLAND	203.5	82.9	145%	LE
2	COASTAL ANDHRA PRADESH	0.2	18.7	-99%	LD
3	TELANGANA	2.5	11.3	-78%	LD
4	RAYALASEEMA	4.6	6.6	-30%	D
5	TAMILNADU & PUDUCHERRY	16.8	30.9	-46%	D
6	COASTAL KARNATAKA	0.2	0.9	-81%	LD
7	N. I. KARNATAKA	2.0	3.9	-49%	D
8	S. I. KARNATAKA	3.2	4.4	-28%	D
9	KERALA	17.1	24.3	-30%	D
10	LAKSHADWEEP	12.8	35.5	-64%	LD
COUNTRY AS A WHOLE		15.4	41.4	-63%	

CATEGORYWISE NO. OF SUBDIVISIONS & % AREA (SUBDIVISIONAL) OF THE COUNTRY

CATEGORY		PERIOD: 01.01.2018 TO 28.02.2018	
		NO. OF SUBDIVISIONS	SUBDIVISIONAL % AREA OF COUNTRY
LARGE EXCESS	LE	1	0%
EXCESS	E	0	0%
NORMAL	N	2	5%
DEFICIENT	D	10	28%
LARGE DEFICIENT	LD	22	64%
NO RAIN	NR	1	3%
			97%

67% [64% + 3%]

भारत मौसम विज्ञान विभाग INDIA METEOROLOGICAL DEPARTMENT



LEGEND: ■ L. EXCESS (+60% OR MORE) ■ EXCESS (+20% TO +59%) ■ NORMAL (+19% TO -19%)
 ■ DEFICIENT [-20% TO -59%] ■ L. DEFICIENT [-60% TO -99%] ■ NO RAIN [-100%] ■ NO DATA

NOTES:

- (a) Rainfall figures are based on operational data.
- (b) Small figures indicate actual rainfall (mm.), while bold figures indicate Normal rainfall (mm.)
 Percentage Departures of Rainfall are shown in Brackets.