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## India

**Post:** New Delhi

### India Monsoon Update 2017

**Report Categories:**

Climate Change/Global Warming/Food Security

Agricultural Situation

Agriculture in the News

Agriculture in the Economy

Market Development Reports

**Approved By:**

Scott Sindelar

**Prepared By:**

Dhruv Sood

**Report Highlights:**

Southwest monsoon rains in June supported the higher pace of planting Kharif crops compared to last year, but a long dry spell since the beginning of July has raised concerns about prospects of replanting of major crops as water storage levels across India remain lower than last year. India's meteorological department forecasts widespread rains in Central India for the period July 13-26, 2017.

**General Information:**

### **Above normal monsoon rains in North offset by deficit rains across India**

Strong monsoon rains in Northern India have been offset by weak rainfall distribution in the rest of the country. Rains in June have been followed by a long dry spell in the first two weeks of July in Central, Eastern and Southern India raising concerns among farmers of replanting. The lack of rains may inhibit plant development due to lack of soil moisture, thus affecting the yields.

### **Heavy rain outlook for next two weeks**

According to the Indian Meteorological Department (IMD), heavy rains are expected next week in the Central Indian states of Gujarat, Madhya Pradesh, Rajasthan and Maharashtra. The Government of India has issued advisories regarding the rapid rise in water levels of rivers in these states. The IMD second forecast for the Southwest Monsoon predicts a normal monsoon for 2017 and suggests that June to September rainfall will be 98 percent of the Long Period Average (LPA). May 30, 2017, was the official onset date for the 2017 Southwest Monsoon when showers hit southern India.

**Table 1. India: Regional Rainfall Distribution from June 1, 2017 – July 15, 2017**

<b>Regions</b>	<b>Actual (mm)</b>	<b>Normal (mm)</b>	<b>Percentage Departure</b>
Northwest India	208.9	163.8	28%
Central India	305.6	314.7	-3%
South Peninsula	238.2	262.2	-9%
East and Northeast India	529.7	571.0	-7%
<b>All India</b>	<b>298.4</b>	<b>298.9</b>	<b>0%</b>

Source: Indian Meteorological Department

**Table 2. India Storage Status at 91 Major Reservoirs on July 13, 2017**

Regional Water Storage Levels as Percentage of Full Reservoir Level

<b>Region</b>	<b>Current Storage (in billion cubic meter)</b>	<b>Total Capacity (in billion cubic meter)</b>	<b>2017</b>	<b>2016</b>	<b>10 Years Average</b>
Northern Region	6.12	18.01	34%	28%	37%
Eastern Region	3.62	18.83	19%	22%	22%
Western Region	7.07	27.07	26%	19%	28%
Central Region	12.09	42.30	29%	42%	25%
Southern Region	7.21	51.59	14%	20%	29%
<b>All India</b>	<b>36.11</b>	<b>157.80</b>	<b>23%</b>	<b>27%</b>	<b>28%</b>

Source: Ministry of Water Resources, Government of India

According to the Ministry of Water Resources, Government of India, the states having better storage than last year for the corresponding period are Himachal Pradesh, Punjab, West Bengal, Tripura, Gujarat, Uttar Pradesh, Chhattisgarh and Telangana. For more details refer - [Press Release No. 167385](#).

### **Kharif sowing pace ahead of last year**

According to the Ministry of Agriculture and Farmers Welfare, the pace of planting of Kharif crops is

almost 8 percent higher than last year and 12 percent higher than normal as of July 14, 2017. According to the latest report, overall pulse planting is higher by 24 percent with major acreage increases reported in Rajasthan, Madhya Pradesh and Maharashtra. Similarly the planting of coarse cereals (mostly pearl millet/bajra) is led by a 14 percent increase in Rajasthan from the previous season. There is a major reduction in oilseeds planting in Madhya Pradesh (soybeans), and Andhra Pradesh (groundnut), while Maharashtra and Gujarat report increases in soybean planting. Cotton planting has progressed well with early rains as planted area has increased by almost 23 percent to 9 million hectares compared to last year. The planted area has increased in Telangana, Gujarat, Maharashtra and Northern states of Punjab, Haryana and Rajasthan.

**Table 3. India. Kharif 2017 Sown Area (in million hectares)**

<b>Crop</b>	<b>Area Sown in 2017 on July 14, 2017</b>	<b>Area Sown in 2016 on July 14, 2016</b>	<b>Normal Area on July 14**</b>	<b>Y-o-Y Change</b>	<b>Change from Normal</b>
Rice	12.577	12.032	13.254	5%	-5%
Pulses	7.461	6.028	4.574	24%	63%
Coarse Cereals	11.306	9.879	9.270	14%	22%
Oilseeds	10.392	11.575	9.770	-10%	6%
Sugarcane	4.794	4.522	4.500	6%	7%
Jute and Mesta	0.698	0.751	0.786	-7%	-11%
Cotton	9.088	7.393	8.149	23%	12%
<b>Total</b>	<b>56.316</b>	<b>52.180</b>	<b>50.303</b>	<b>8%</b>	<b>12%</b>

Source: Ministry of Agriculture and Farmers Welfare, Government of India

\*\* Normal Area is the five year average of the area from 2011-2015

**SUBDIVISION-WISE RAINFALL DISTRIBUTION**

S NO	MET. SUBDIVISION/UT/STATE/DISTRI CT	Day:16-07-2017				Period:01-06-2017 To 16-07-2017			
		ACTUAL (mm)	NORMAL (mm)	%DEP.	CAT.	ACTUAL (mm)	NORMAL (mm)	% DEP.	CAT.
	REGION : EAST AND NORTH EAST INDIA	3.6	14.7	-76%		532.6	585.7	-9%	
1	ARUNACHAL PRADESH	0.0	22.0	-100%	NR	709.8	795.3	-11%	N
2	ASSAM & MEGHALAYA	9.2	14.5	-37%	D	699.1	811.3	-14%	N
3	N M M T	5.0	14.8	-66%	LD	686.7	636.4	8%	N
4	SHWB & SIKKIM	7.5	19.0	-61%	LD	733.3	817.5	-10%	N
5	GANGETIC WEST BENGAL	2.5	9.9	-74%	LD	345.8	415.9	-17%	N
6	JHARKHAND	2.5	11.0	-77%	LD	286.1	367.2	-22%	D
7	BIHAR	0.2	13.3	-99%	LD	359.8	353.2	2%	N
	REGION : NORTH WEST INDIA	6.1	7.7	-20%		214.9	171.5	25%	
1	EAST UTTAR PRADESH	0.2	10.8	-98%	LD	286.8	257.8	11%	N
2	WEST UTTAR PRADESH	1.1	8.5	-87%	LD	196.3	197.1	0%	N
3	UTTARAKHAND	23.7	13.4	77%	LE	454.1	372.4	22%	E
4	HAR. CHD & DELHI	0.3	6.7	-95%	LD	161.5	128.1	26%	E
5	PUNJAB	2.1	6.2	-66%	LD	166.0	136.1	22%	E
6	HIMACHAL PRADESH	15.9	10.8	47%	E	217.8	230.8	-6%	N
7	JAMMU & KASHMIR	8.1	6.4	26%	E	244.3	148.3	65%	LE
8	WEST RAJASTHAN	5.8	4.5	29%	E	130.0	77.8	67%	LE
9	EAST RAJASTHAN	6.3	7.9	-21%	D	172.5	163.7	5%	N
	REGION : CENTRAL INDIA	18.9	10.9	74%		324.9	325.6	0%	
1	ODISHA	16.5	11.1	48%	E	353.6	376.1	-6%	N
2	WEST MADHYA PRADESH	4.8	8.1	-41%	D	243.9	240.3	1%	N
3	EAST MADHYA PRADESH	12.4	12.7	-2%	N	306.6	309.2	-1%	N
4	GUJARAT REGION	19.0	11.6	64%	LE	320.2	304.3	5%	N
5	SAURASHTRA & KUTCH	73.3	8.4	773%	LE	257.6	181.9	42%	E
6	KONKAN & GOA	41.0	39.5	4%	N	1317.0	1271.9	4%	N
7	MADHYA MAHARASHTRA	13.5	7.3	85%	LE	305.9	268.0	14%	N
8	MARATHWADA	2.8	5.7	-51%	D	211.7	228.6	-7%	N
9	VIDARBHA	10.8	9.8	10%	N	247.9	328.0	-24%	D
10	CHHATTISGARH	14.7	13.5	9%	N	347.5	376.0	-8%	N
	REGION : SOUTH PENINSULA	5.4	6.4	-16%		243.5	268.6	-9%	
1	A & N ISLAND	19.0	13.4	42%	E	572.8	639.4	-10%	N
2	COASTAL ANDHRA PRADESH	5.7	5.2	10%	N	225.1	180.0	25%	E
3	TELANGANA	7.8	6.4	22%	E	275.8	245.5	12%	N
4	RAYALASEEMA	3.2	4.1	-21%	D	120.5	110.0	10%	N
5	TAMILNADU & PONDICHERY	0.2	2.1	-90%	LD	68.2	77.8	-12%	N
6	COASTAL KARNATAKA	35.7	34.1	5%	N	1286.9	1459.9	-12%	N
7	N. I. KARNATAKA	3.0	4.2	-27%	D	162.7	168.4	-3%	N
8	S. I. KARNATAKA	5.1	6.2	-18%	N	159.7	255.4	-37%	D
9	KERALA	6.6	18.6	-65%	LD	792.9	1052.3	-25%	D
10	LAKSHADWEEP	2.5	9.1	-73%	LD	638.1	485.2	32%	E
	COUNTRY :	9.9	9.6	3%		308.2	308.5	0%	

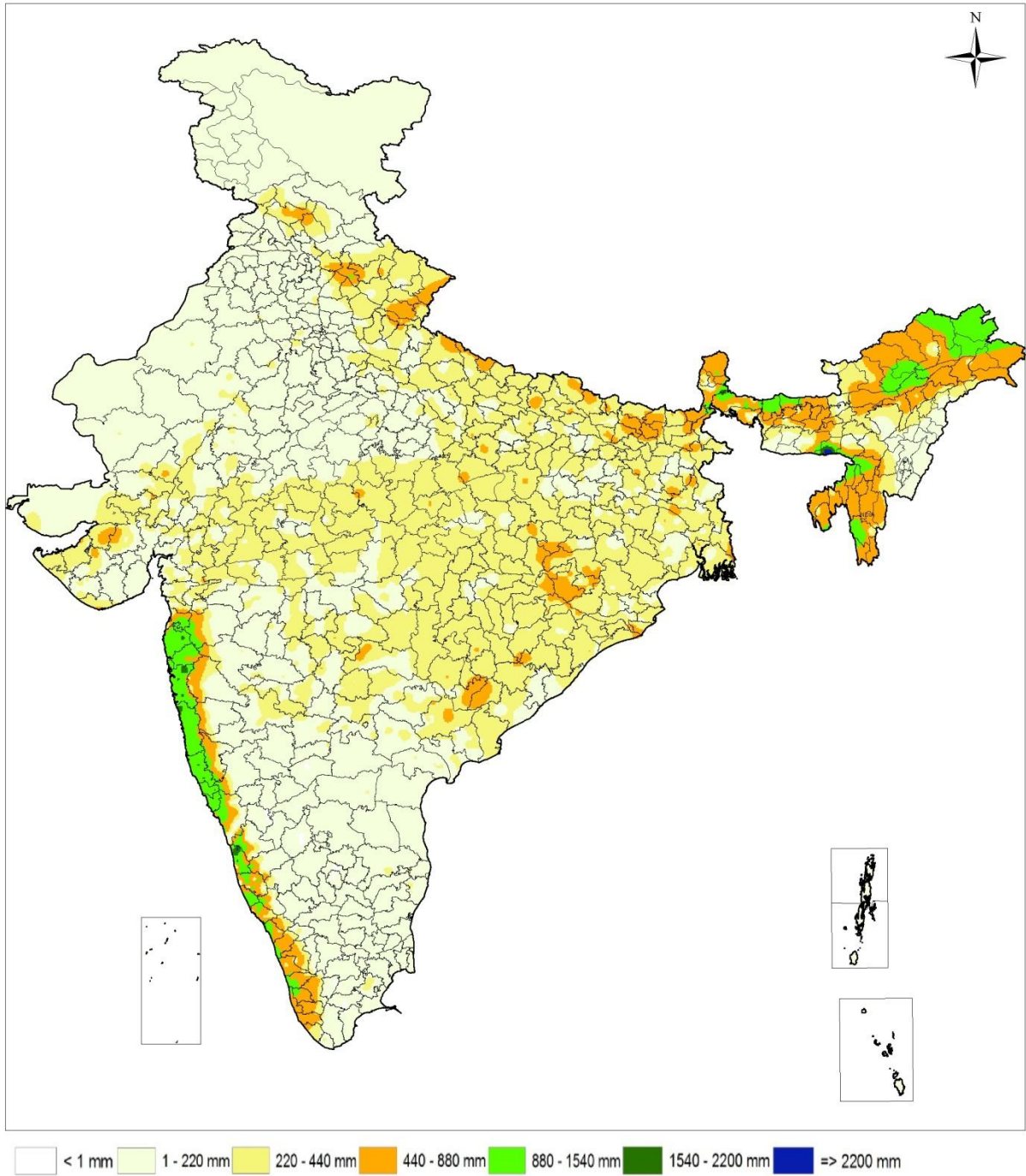


भारत मौसम विज्ञान विभाग  
INDIA METEOROLOGICAL DEPARTMENT

जल मौसम विज्ञान प्रभाग, नई दिल्ली  
HYDROMET DIVISION, NEW DELHI

**SPATIAL RAINFALL ANALYSIS - CUMULATIVE**

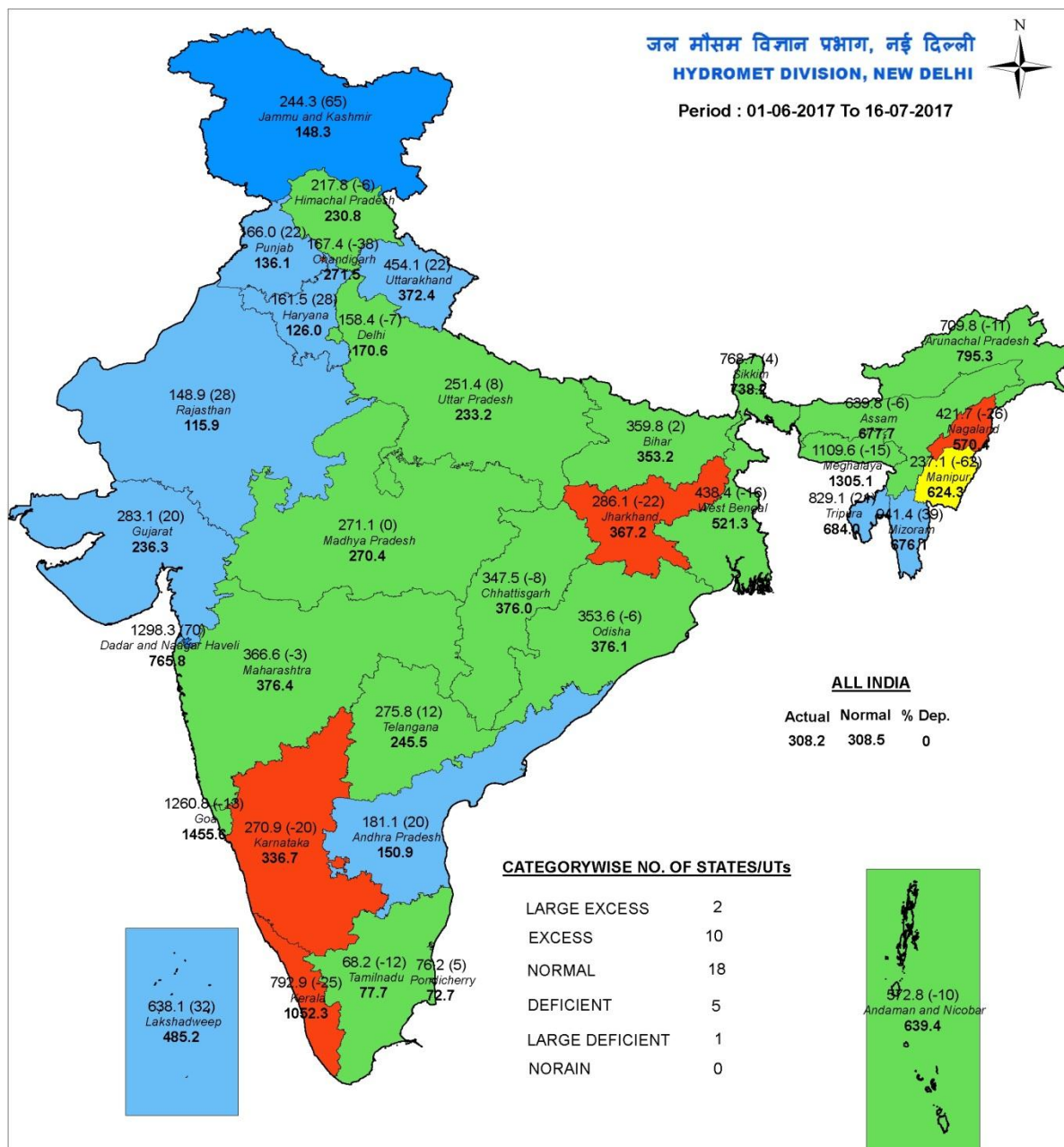
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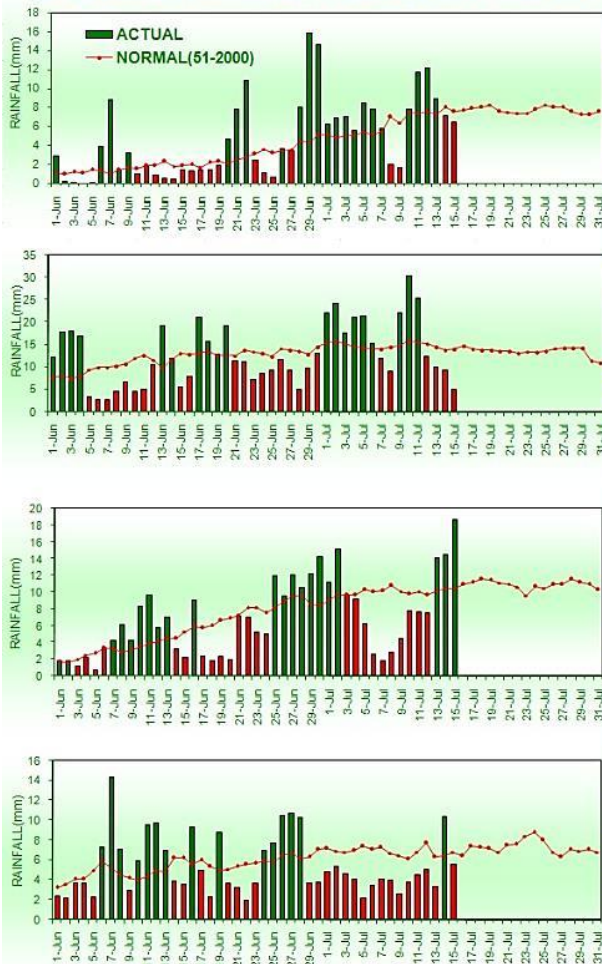




## STATE RAINFALL MAP



DAILY MEAN RAINFALL (mm) OVER THE FOUR HOMOGENEOUS REGIONS (2017)



CUMULATIVE RAINFALL( % DEPARTURE) OVER THE FOUR HOMOGENEOUS REGIONS (2017)

