



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

**Dated: 06 July, 2017**

## **Current Weather Status and Outlook for next two weeks**

### Highlights of the past week

#### **Southwest Monsoon**

- The Southwest monsoon has further advanced into remaining parts of Bihar, most parts of Madhya Pradesh & Uttar Pradesh and some more parts of Rajasthan ; some parts of Uttarakhand , Himachal Pradesh and Jammu & Kashmir on 1<sup>st</sup> July; it advanced further into some more parts of Rajasthan and Himachal Pradesh, remaining parts of Madhya Pradesh, Uttar Pradesh and Uttarakhand, entire National Capital region NCR (Delhi) and some parts of Haryana on 2<sup>nd</sup> July and further advanced into some more parts of Himachal Pradesh and Jammu & Kashmir on 3<sup>rd</sup> July 2017.
- The Northern Limit of Monsoon (NLM) passes through Lat. 26.0°N / Long. 70.0°E, Barmer, Sikar, Sonipat, Shimla, Una, Jammu and Lat.32.5°N / Long. 74.5°E as on 6<sup>th</sup> July 2017 (**Annexure I**).

#### **Heavy Rainfall**

- Heavy to very heavy rain occurred at isolated places over northeastern states on many days; over East India, along west coast and over Gujarat state on a few days; over northwest India including Himachal Pradesh and Uttarakhand on one or two days during the week.

### Highlights for next two week

#### **Rainfall/snowfall:**

- During 1<sup>st</sup> week, light to moderate widespread rainfall is very likely to occur over northeastern States, Sub-Himalayan West Bengal & Sikkim, Bihar, Jharkhand, East Uttar Pradesh and Uttarakhand with possibility of **heavy to very heavy rainfall activity at isolated places** on most days of the week.
  - Light to moderate widespread rainfall is very likely to occur over most parts of rest east India and West coast with possibility of **heavy rainfall activity at isolated places** on a few days of the week.
  - Light to moderate scattered to fairly widespread rainfall activity is likely to occur over rest parts of the country outside Rajasthan, Gujarat, West Madhya Pradesh, Vidarbha, Rayalaseema & Tamilnadu, where light isolated to scattered rainfall activity or dry weather likely to prevail during next 1<sup>st</sup> week. For detail see **Annexure II**.
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- **Overall rainfall activity is very likely to be below normal over India as a whole and above normal over northeast India during the 1<sup>st</sup> week (Annexure III).**
- During 2<sup>nd</sup> week, maximum rainfall activity likely to increase over most parts of the country. Hence fairly widespread to widespread rainfall activities along with heavy falls are very likely to occur over most parts of northwest, central & east India and along west coast during the 2<sup>nd</sup> week.
- **Overall rainfall activity is likely to be above normal over India as a whole, northwest, central & east India during 2<sup>nd</sup> week (Annexure III).**

#### **Maximum Temperatures:**

- The average maximum temperatures for week as a whole are very likely to be between 35 to 40°C over the country except some parts of Western Himalayan Region, northeastern states and west coast, where, they are likely to be less than 35°C during next two weeks.
- These are very likely to be below normal to normal over the most parts of the country during next two weeks (**Annexure IV**).

### **Weekly Rainfall Scenario (29 June to 05 July, 2017)**

During the week, rainfall was above Long Period Average (LPA) by 21% over the country as a whole. Details are given below:

<b>Regions</b>	<b>Actual Rainfall (mm)</b>	<b>Normal Rainfall (mm)</b>	<b>% Departure from LPA</b>
<b>Country as a whole</b>	<b>70.9</b>	<b>58.7</b>	<b>21%</b>
<b>Northwest India</b>	<b>63.6</b>	<b>34.9</b>	<b>82%</b>
<b>Central India</b>	<b>77.1</b>	<b>65.5</b>	<b>18%</b>
<b>South Peninsula</b>	<b>28.1</b>	<b>48.9</b>	<b>-43%</b>
<b>East &amp; northeast India</b>	<b>124.6</b>	<b>102.6</b>	<b>21%</b>

The Meteorological sub-division-wise rainfall for the week is given in **Annexure V**.

### **Seasonal Rainfall Scenario (1 June to 05 July, 2017)**

For the country as a whole, cumulative rainfall during this year's southwest monsoon season has so far upto 05 July is 5% above LPA. Details of the rainfall distribution over the four broad homogeneous regions of India are given below:

<b>Regions</b>	<b>Actual Rainfall (mm)</b>	<b>Normal Rainfall (mm)</b>	<b>% Departure from LPA</b>
<b>Country as a whole</b>	<b>217.3</b>	<b>206.7</b>	<b>5%</b>
<b>Northwest India</b>	<b>138.6</b>	<b>94.5</b>	<b>47%</b>
<b>Central India</b>	<b>223.8</b>	<b>212.8</b>	<b>5%</b>

<b>South Peninsula</b>	<b>192.9</b>	<b>194.3</b>	<b>-1%</b>
<b>East &amp; northeast India</b>	<b>385.4</b>	<b>425.2</b>	<b>-9%</b>

Cumulative seasonal rainfall is given in **Annexure VI**.

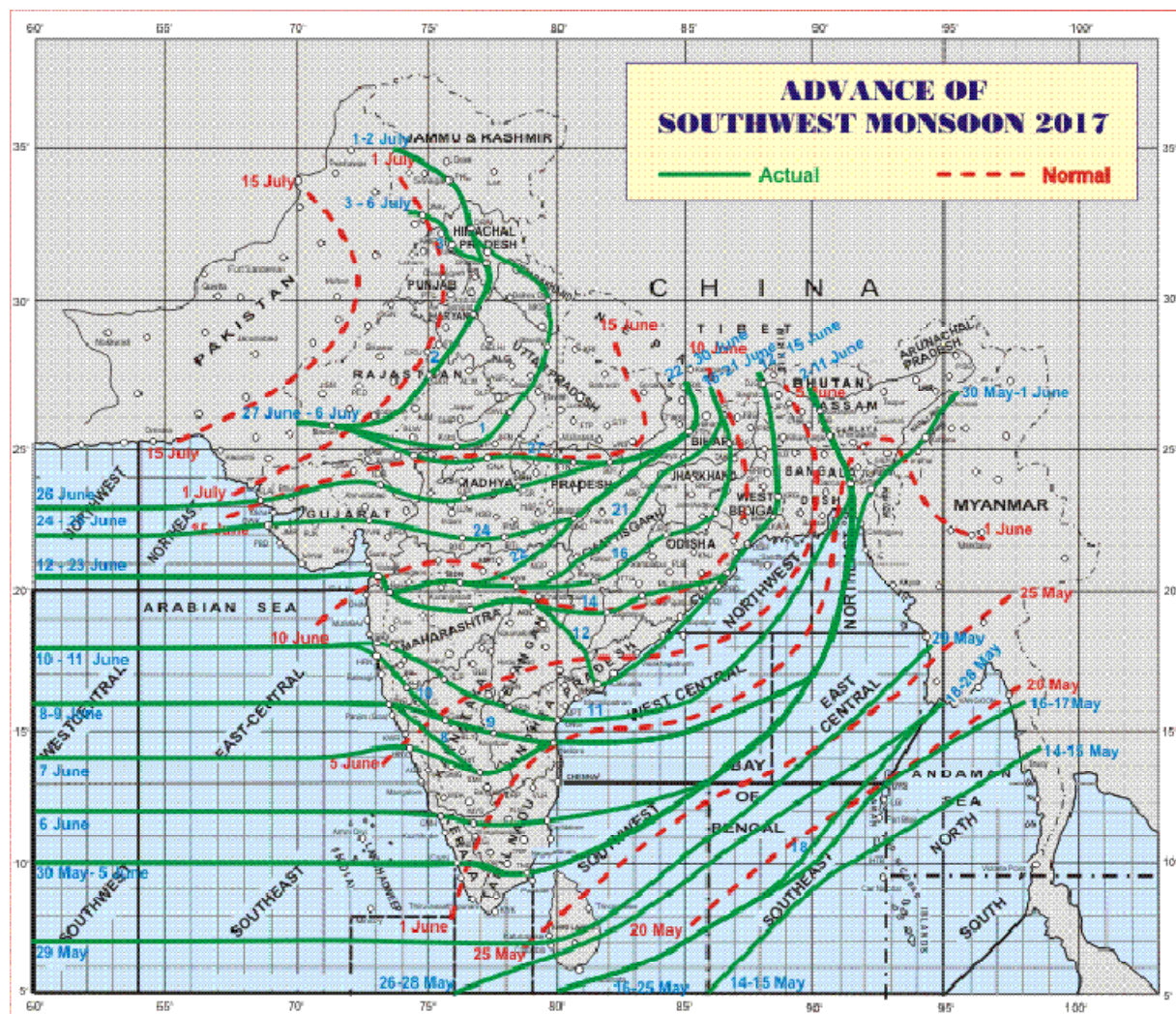
### Chief synoptic conditions as on 06 July, 2017

- A Western Disturbance as an upper air cyclonic circulation lies over Jammu & Kashmir and neighbourhood between 3.1 & 5.8 km above mean sea level.
- A trough at mean sea level runs from Punjab to northeast Bay of Bengal across Haryana, Uttar Pradesh, Bihar & Gangetic West Bengal.
- An upper air cyclonic circulation lies over Bihar & adjoining Uttar Pradesh and extends upto 7.6 km above mean sea level.
- An upper air cyclonic circulation lies over northwest Bay of Bengal between 4.5 and 7.6 km above mean sea level.
- An upper air cyclonic circulation lies over southwest Rajasthan & neighbourhood at 3.1 km above mean sea level.
- An upper air cyclonic circulation lies over Haryana & neighbourhood and extends upto 1.5 km above mean sea level.

### Large scale features as on 06 July, 2017

- Equatorial Sea surface temperatures continue to be near to above normal across most parts of the Pacific Ocean.
- Madden Julian Oscillation (MJO) is in phase 3 with magnitude near 1 and is very likely to move in phase 2 with magnitude less than 1 during next one week.
- Indian Ocean Dipole (IOD) is near normal (-0.3°C below normal).

**Next weekly update will be issued on Thursday i.e. 13 July, 2017**



## Annexure II

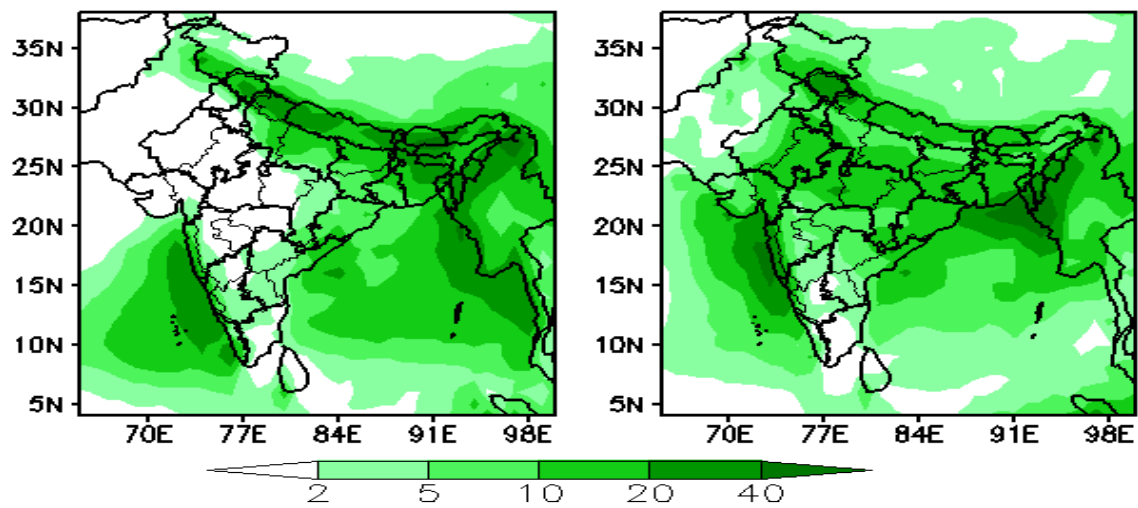
METEOROLOGICAL SUB-DIVISIONWISE WEEKLY RAINFALL FORECAST & Wx. WARNINGS-2017								
Sr. No	MET.SUB-DIVISIONS	06 JULY	07 JULY	08 JULY	09 JULY	10 JULY	11 JULY	12 JULY
1	ANDAMAN & NICO.ISLANDS	WS	WS	FWS	FWS	FWS	FWS	FWS
2	ARUNACHAL PRADESH	WS <sup>+</sup>	WS <sup>+</sup>	WS <sup>+</sup>	WS <sup>+</sup>	WS	FWS	FWS
3	ASSAM & MEGHALAYA	WS <sup>+</sup>	WS <sup>+</sup>	WS <sup>+</sup>	WS <sup>+</sup>	WS <sup>+</sup>	WS <sup>+</sup>	FWS
4	NAGA.MANI.MIZO.& TRIPURA	WS <sup>+</sup>	WS <sup>+</sup>	WS <sup>+</sup>	WS <sup>+</sup>	WS <sup>+</sup>	WS <sup>+</sup>	WS <sup>+</sup>
5	SUB-HIM.W. BENG. & SIKKIM	WS <sup>+</sup>	WS <sup>+</sup>	WS <sup>+</sup>	WS <sup>+</sup>	WS <sup>+</sup>	WS <sup>+</sup>	FWS
6	GANGETIC WEST BENGAL	FWS	FWS	FWS	WS	WS <sup>+</sup>	WS	WS
7	ODISHA	FWS	WS <sup>+</sup>	WS <sup>+</sup>	WS	WS	WS <sup>+</sup>	WS
8	JHARKHAND	WS	WS <sup>+</sup>	WS <sup>+</sup>	WS <sup>+</sup>	WS <sup>+</sup>	WS	WS
9	BIHAR	WS <sup>+</sup>	WS <sup>+</sup>	WS <sup>+</sup>	WS <sup>+</sup>	WS <sup>+</sup>	WS	WS
10	EAST UTTAR PRADESH	WS <sup>+</sup>	WS <sup>+</sup>	WS <sup>+</sup>	WS <sup>+</sup>	WS <sup>+</sup>	WS	WS
11	WEST UTTAR PRADESH	WS <sup>+</sup>	FWS	SCT	SCT	FWS	FWS	FWS
12	UTTARAKHAND	WS <sup>+</sup>	WS <sup>+</sup>	WS <sup>+</sup>	WS <sup>+</sup>	WS <sup>+</sup>	WS <sup>+</sup>	WS
13	HARYANA CHD. & DELHI	SCT	SCT	ISOL	SCT	SCT	SCT	WS
14	PUNJAB	SCT	SCT	ISOL	SCT	SCT	FWS <sup>+</sup>	WS <sup>+</sup>
15	HIMACHAL PRADESH	FWS <sup>+</sup>	SCT	SCT	FWS	WS <sup>+</sup>	WS <sup>+</sup>	WS <sup>+</sup>
16	JAMMU & KASHMIR	SCT	SCT	SCT	FWS	WS	FWS <sup>+</sup>	FWS
17	WEST RAJASTHAN	ISOL	DRY	DRY	ISOL	ISOL	ISOL	SCT
18	EAST RAJASTHAN	DRY	DRY	DRY	DRY	DRY	FWS	FWS
19	WEST MADHYA PRADESH	ISOL	ISOL	ISOL	ISOL	SCT	FWS	WS
20	EAST MADHYA PRADESH	SCT	SCT	SCT	SCT	SCT	WS	WS
21	GUJARAT REGION D.D. & N.H.	ISOL	ISOL	ISOL	ISOL	SCT	WS	FWS
22	SAURASTRA KUTCH & DIU	ISOL	ISOL	ISOL	ISOL	SCT	FWS	FWS
23	KONKAN & GOA	WS	WS	WS	WS	WS	WS <sup>+</sup>	WS <sup>+</sup>
24	MADHYA MAHARASHTRA	SCT	SCT	SCT	SCT	SCT	SCT	FWS
25	MARATHAWADA	SCT	SCT	SCT	SCT	SCT	FWS	FWS
26	VIDARBHA	ISOL	ISOL	ISOL	ISOL	SCT	SCT	FWS
27	CHHATTISGARH	SCT	SCT	FWS <sup>+</sup>	FWS	FWS	WS	WS <sup>+</sup>
28	COASTAL ANDHRA PRADESH	SCT	SCT	SCT	SCT	FWS	FWS	WS
29	TELANGANA	SCT	SCT	FWS	SCT	SCT	FWS	WS
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	SCT	FWS	FWS
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	ISOL	ISOL	SCT	FWS
32	COASTAL KARNATAKA	WS <sup>+</sup>	WS	WS	WS	WS	FWS	FWS
DRY	NORTH INT.KARNATAKA	SCT	SCT	SCT	FWS	FWS	WS	FWS
34	SOUTH INT.KARNATAKA	FWS <sup>+</sup>	FWS	FWS	SCT	SCT	FWS	FWS
35	KERALA	WS	WS	FWS	FWS	WS <sup>+</sup>	SCT	FWS
36	LAKSHADWEEP	WS	WS	FWS	FWS	WS	FWS	FWS
LEGENDS:								
WS	WIDE SPREAD / MOST PLACES (76-100%)			FWS	FAIRLY WIDE SPREAD / MANY PLACES (51% to 75%)			
SCT	SCATTERED / FEW PLACES (26% to 50%)			ISOL	ISOLATED (up to 25%)		DRY	NO STATION REPORTED RAINFALL
* Heavy Rainfall (64.5-115.5 mm)		** Heavy to Very Heavy Rainfall (115.6-204.4 mm)			*** Extremely Heavy Rainfall (204.5 mm or more)			
☁ FOG	* SNOWFALL	# HAILSTORM		🔥 HEAT WAVE		🔥 SEVERE HEAT WAVE		
\$ THUNDER SQUALL		DS/TS DUST/THUNDERSTORM		❄ COLD WAVE		❄ SEVERE COLD WAVE		



**Actual Rainfall (mm/day)**

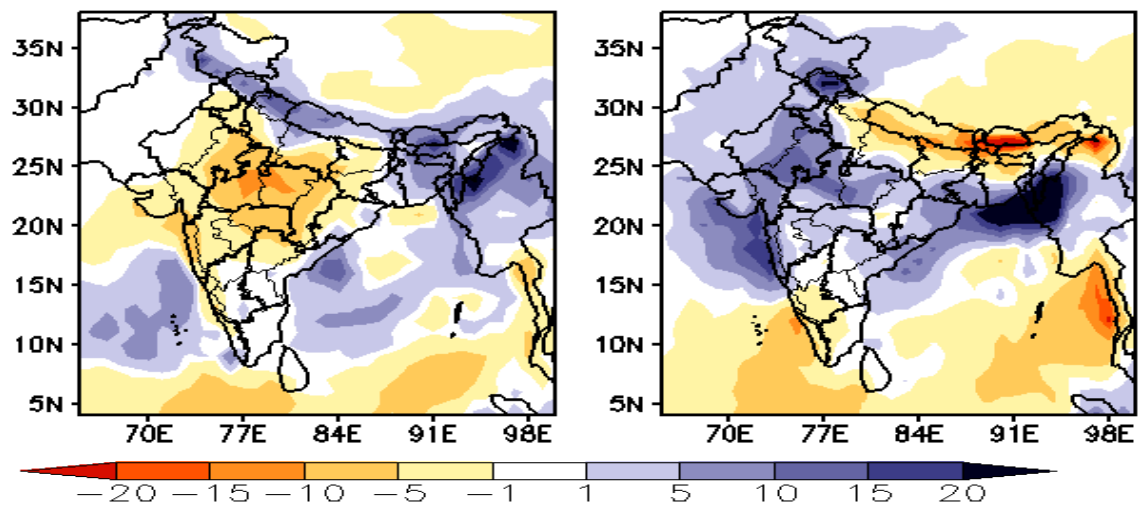
(Week1: 07Jul–13Jul)

(Week2: 14Jul–20Jul)

**Rainfall Anomaly (mm/day)**

(Week1: 07Jul–13Jul)

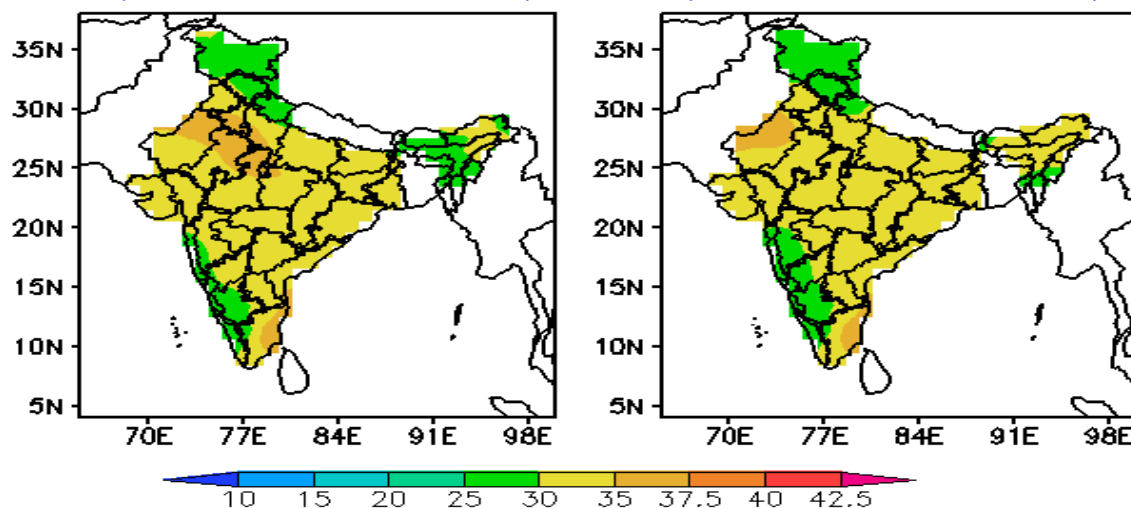
(Week2: 14Jul–20Jul)



# MME Bias Corrected Actual Tmax (Deg C)

(Week1: 07Jul-13Jul)

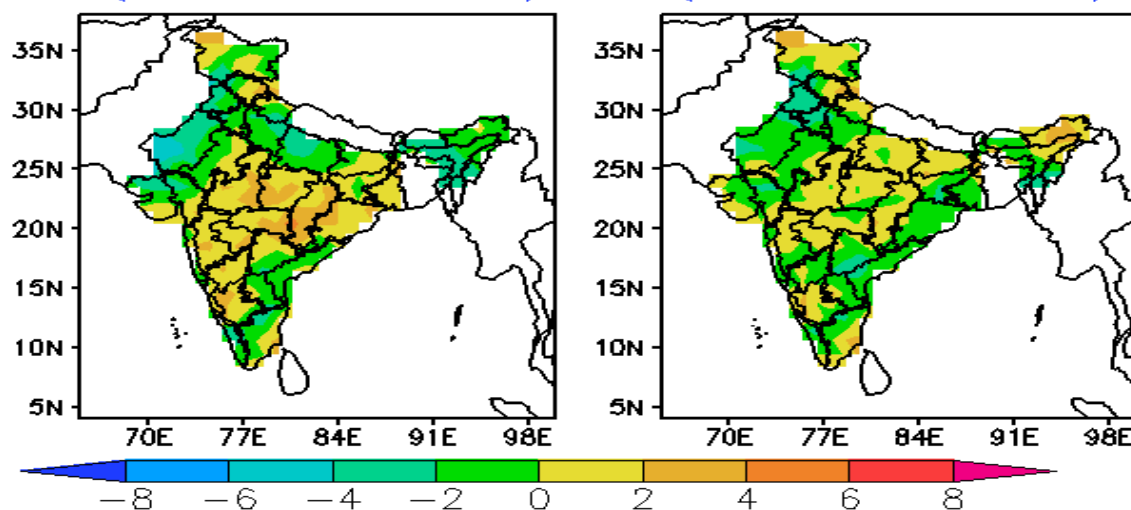
(Week2: 14Jul-20Jul)



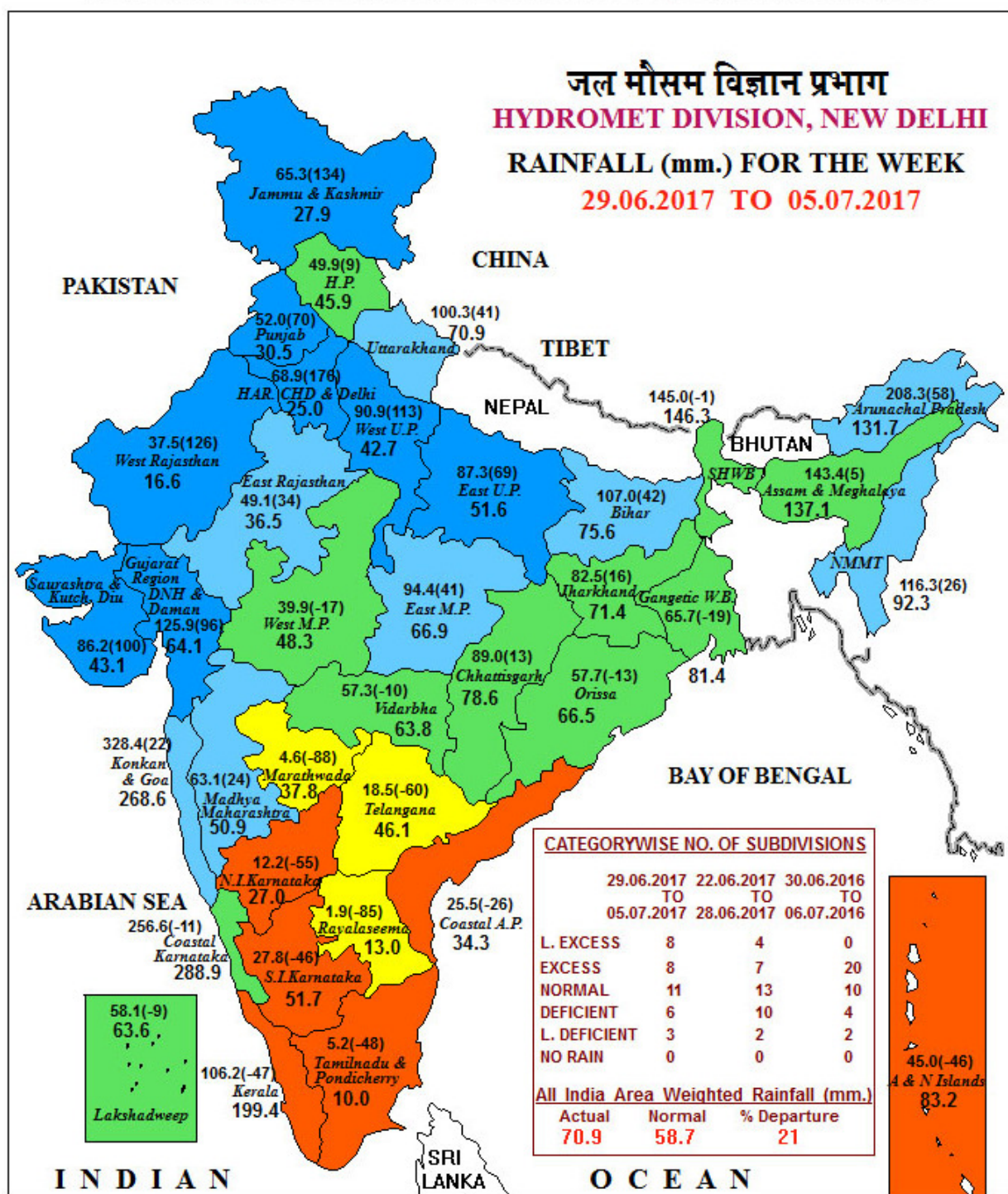
# MME Bias Corrected Tmax Anomaly (Deg)

(Week1: 07Jul-13Jul)

(Week2: 14Jul-20Jul)



# 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.



# भारत मौसम विज्ञान विभाग INDIA METEOROLOGICAL DEPARTMENT

