



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

**Dated: 05 January, 2017**

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

### **Highlights of the past week**

**NORTHEAST MONSOON:** Northeast Monsoon rains ceased over Tamilnadu, Kerala and adjoining parts of Andhra Pradesh & Karnataka on 4<sup>th</sup> January, 2017.

**Rain/snow:** Rain/snow occurred at most places over Jammu & Kashmir and at isolated places over Himachal Pradesh on 3<sup>rd</sup> and 4<sup>th</sup> January, 2017.

**FOG:** Dense/very dense fog observed at a few places over East Uttar Pradesh on almost all the days and over Punjab and Bihar on one or two days during the week. Dense/very dense fog also occurred at isolated places over Haryana, Chandigarh & Delhi on almost all the days; over Jharkhand; Bihar; northwest Rajasthan and Tripura on many days; over Gangetic West Bengal on a few days; and over East Rajasthan, north Madhya Pradesh and north Chhattisgarh on one or two days of the week.

**COLD WAVE:** Cold wave conditions prevailed at isolated places over interior Odisha on first two days of the week.

**COLD DAY:** Cold day/severe cold day conditions prevailed at many places over Uttar Pradesh; and at isolated places over Bihar; Haryana, Chandigarh & Delhi on one or two days of the week.

**MINIMUM TEMPERATURES:** Minimum Temperatures  $\leq 5.0^{\circ}\text{C}$  were recorded over many parts of western Himalayan region on almost all the days during the week; and  $\leq 10.0^{\circ}\text{C}$  were recorded over Haryana, Chandigarh & Delhi and Punjab on many days; over Rajasthan and Madhya Pradesh on a few days; and over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura; Uttar Pradesh, Jharkhand, Madhya Maharashtra and Chhattisgarh on one or two days of the week. Minimum temperatures were **appreciably above normal** over Bihar on a few days; and on one or two days over northeastern states, West Bengal & Sikkim, Punjab, Jammu & Kashmir and West Madhya Pradesh during the week.

The lowest minimum temperature in the plains of the country was  **$04.2^{\circ}\text{C}$**  recorded at **Damoh (East Madhya Pradesh) on 4<sup>th</sup> January, 2017.**

### Highlights for next two week

#### ➤ **Rainfall/snowfall:**

- In association with the western disturbances, the wet spell over western Himalayan Region including Jammu and Kashmir, Himachal Pradesh will continue till 8<sup>th</sup> January with maximum intensity on 6<sup>th</sup> and 7<sup>th</sup>. The wet spell will occur over Uttarakhand during 7-9<sup>th</sup> with maximum intensity on 7<sup>th</sup> and 8<sup>th</sup>.
- Rainfall/thundershower will occur at many places over Punjab and Haryana on 6<sup>th</sup> and 7<sup>th</sup> January, 2016.
- Above normal rainfall activity very likely to continue over Andaman & Nicobar Islands with isolated to scattered heavy to very heavy rainfall during 6-10<sup>th</sup> January in association with the low pressure system
- Moderate fog at many places with dense to very dense fog at isolated places very likely over east Uttar Pradesh and Bihar during next 4-5 days. Moderate fog at a few places with dense to very dense at isolated places likely over Sub-Himalaya West Bengal, Assam & Meghalaya, Nagaland Manipur and Mizoram during next 3-4 days.

#### ➤ **Minimum Temperatures:**

- The minimum temperatures very likely to fall over plains of northwest India from 9<sup>th</sup> onwards

#### ➤ **Maximum Temperatures:**

The maximum temperatures very likely to fall over plains of northwest India and adjoining east India from 7<sup>th</sup> onwards for subsequent 3-4 days. No significant change in maximum and minimum temperatures over remaining parts of the country.

### Weekly Rainfall Scenario (29 December, 2016 to 04 January, 2017)

During the week, rainfall was below Long Period Average (LPA) by 68% over the country as a whole. Details are given below:

Regions	Actual Rainfall (mm)	Normal Rainfall (mm)	% Departure from LPA
Country as a whole	1.1	3.4	-68%
Northwest India	2.1	6.3	-66%
Central India	0.3	1.3	-73%
South Peninsula	1.2	2.4	-49%
East & northeast India	0.6	3.1	-80%

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

### Post-monsoon Season Rainfall Scenario (01 October to 31 December, 2016)

For the country as a whole, cumulative rainfall during this year's post-monsoon has so far upto 31 December been 45% below LPA. Details of the rainfall distribution over the four broad homogeneous regions of India are given below:

Regions	Actual Rainfall (mm)	Normal Rainfall (mm)	% Departure from LPA
Country as a whole	69.7	127.2	-45%
Northwest India	16.7	62.7	-73%
Central India	68.5	79.6	-14%
South Peninsula	109.8	273.3	-60%
East & northeast India	125.0	171.4	-27%

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

#### Current synoptic conditions as on 05 January, 2017

- A low pressure area has formed over south Andaman Sea & neighbourhood. Associated upper air cyclonic circulation extends upto 7.6 km above mean sea level. It is very likely to become a well marked low pressure area over the same region during next 24 hours and concentrate into a depression during subsequent 24 hours.
- A western disturbance as an upper air cyclonic circulation lies over north Pakistan & neighbourhood at 3.1 km above mean sea level.
- Another western disturbance as an upper air cyclonic circulation lies over northeast Afghanistan & neighbourhood at 3.1km above mean sea level with a trough aloft along long. 58.0°E and north of 30.0°N. Under its influence an induced upper air cyclonic circulation has formed over central Pakistan & adjoining West Rajasthan and extends upto 0.9 km above mean sea level.

#### Large scale features as on 05 January, 2017

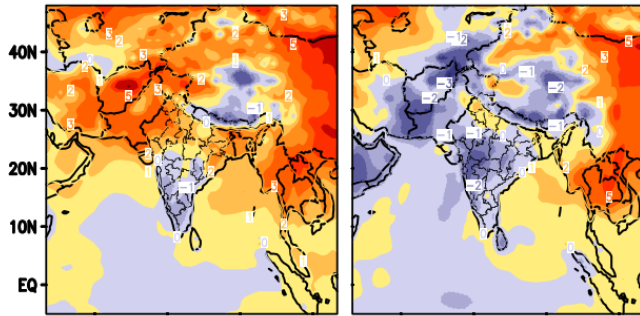
- Equatorial Sea surface temperatures are below average over Central and eastern Pacific Ocean and hence, La Niña conditions are prevailing at present.
- Madden Julian Oscillation (MJO) is in phase 3 with negligible amplitude and is moving towards phase 4 & 5 during the week with amplitude less than 1. It is favourable for cyclogenesis.
- Indian Ocean Dipole (IOD) is in normal phase and hence has no significant impact on northeast monsoon.

**Next weekly update will be issued on Thursday i.e. 12<sup>th</sup> January, 2016**

### Minimum Temperature Anomaly (°C)

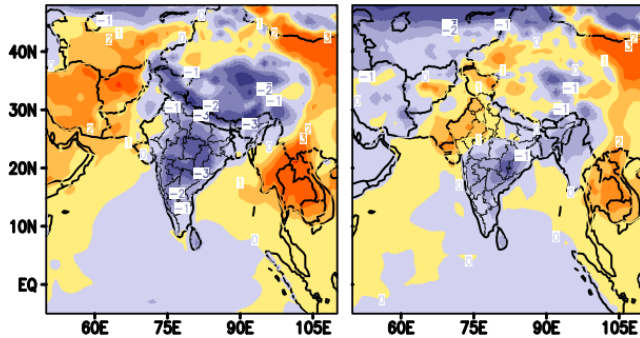
(P1: 02Jan-06Jan)

(P2: 07Jan-11Jan)



(P3: 12Jan-16Jan)

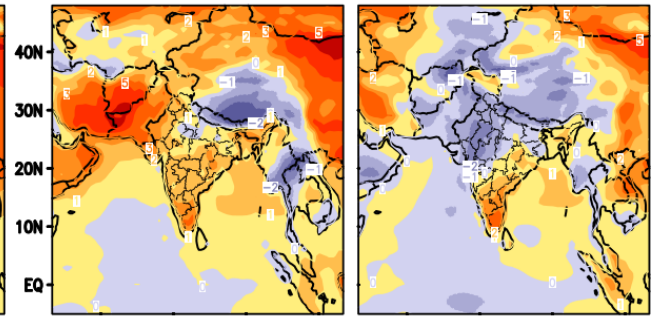
(P4: 17Jan-21Jan)



### Maximum Temperature Anomaly (°C)

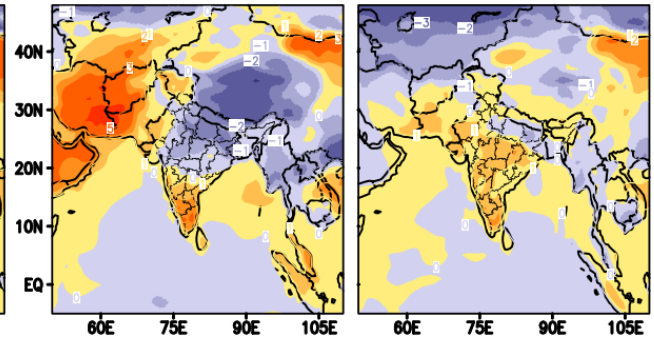
(P1: 02Jan-06Jan)

(P2: 07Jan-11Jan)



(P3: 12Jan-16Jan)

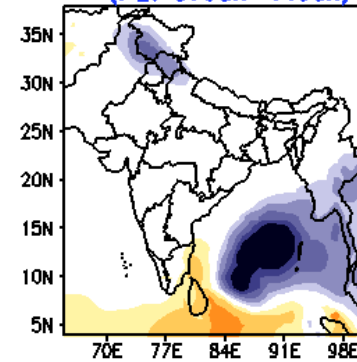
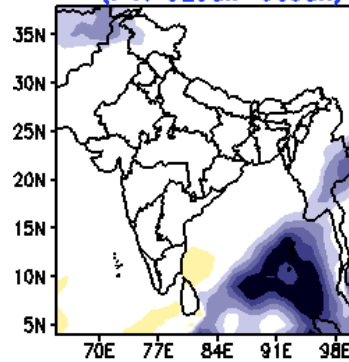
(P4: 17Jan-21Jan)



### MME Rainfall Anomaly (mm/day)

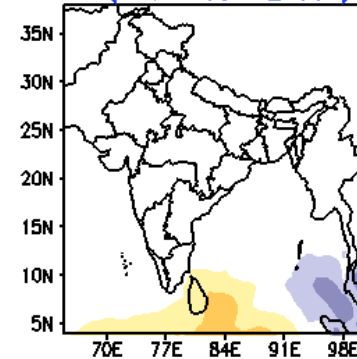
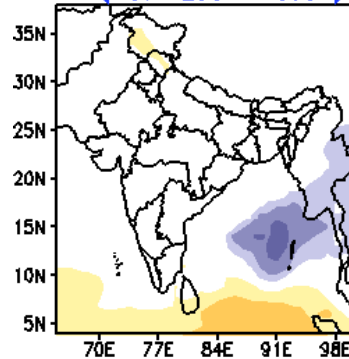
(P1: 02Jan-06Jan)

(P2: 07Jan-11Jan)



(P3: 12Jan-16Jan)

(P4: 17Jan-21Jan)

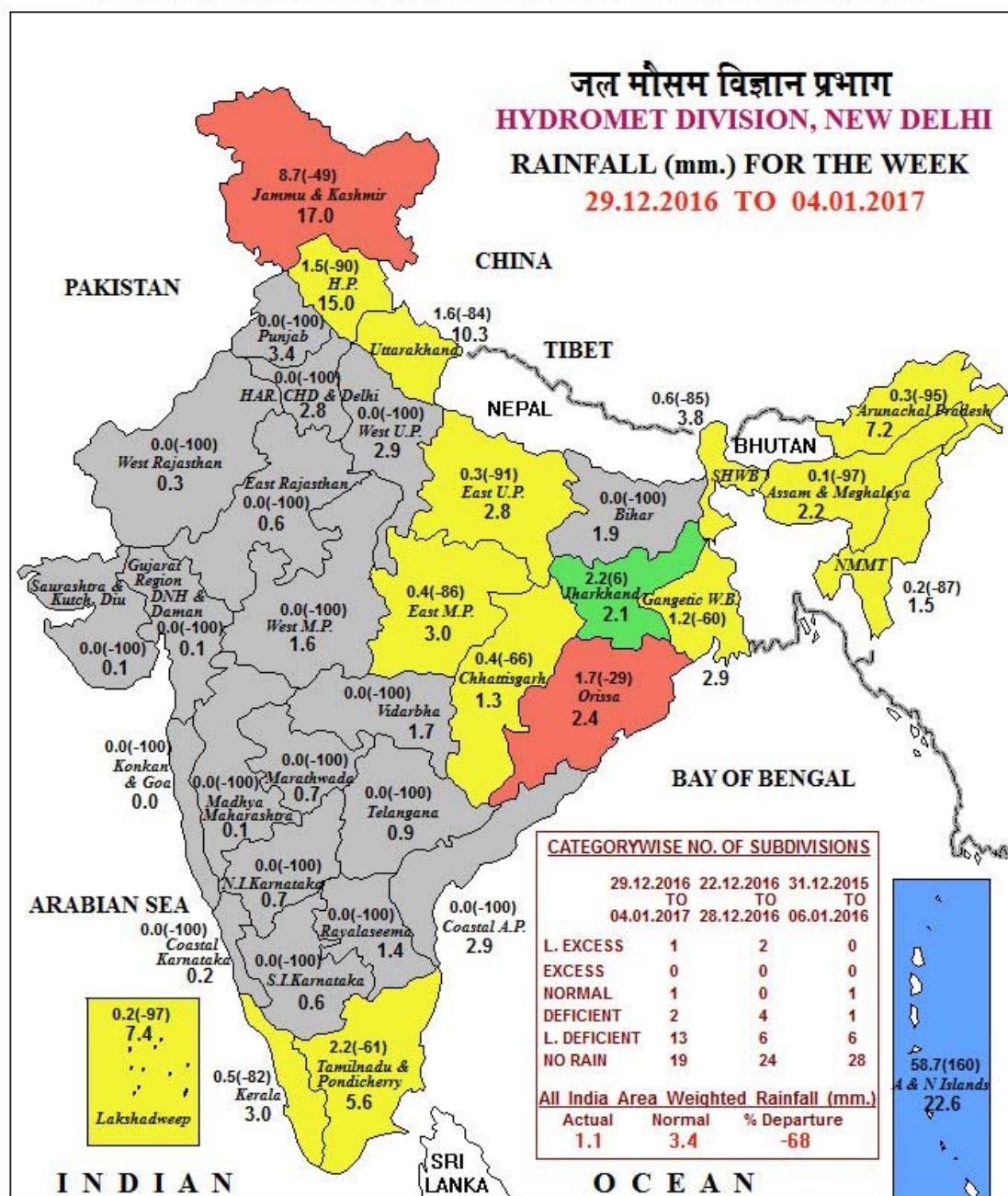


## Forecast & Warnings (05 to 11 January, 2017)

METEOROLOGICAL SUB-DIVISIONWISE WEEKLY RAINFALL FORECAST & WEATHER WARNINGS								
Sr.No	SUB-DIVISIONS	05 JAN	06 JAN	07 JAN	08 JAN	09 JAN	10 JAN	11 JAN
1	ANDAMAN & NICO.ISLANDS	WS <sup>•</sup>	WS <sup>••</sup>	WS <sup>••</sup>	WS <sup>••</sup>	FWS <sup>•</sup>	SCT	ISOL
2	ARUNACHAL PRADESH	ISOL	DRY	DRY	DRY	DRY	DRY	ISOL
3	ASSAM & MEGHALAYA	ISOL <sup>•</sup>	DRY <sup>•</sup>	DRY	DRY	DRY	DRY	DRY
4	NAGA.MANI.MIZO.& TRIPURA	ISOL <sup>•</sup>	DRY <sup>•</sup>	DRY	DRY	DRY	DRY	DRY
5	SUB-HIM.W. BENG. & SIKKIM	DRY <sup>•</sup>	DRY <sup>•</sup>	DRY	DRY	DRY	DRY	ISOL
6	GANGETIC WEST BENGAL	DRY	DRY	DRY	DRY	DRY	DRY	DRY
7	ODISHA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
8	JHARKHAND	DRY <sup>•</sup>	DRY <sup>•</sup>	DRY	DRY	ISOL	DRY	DRY
9	BIHAR	DRY <sup>•</sup>	DRY <sup>•</sup>	DRY <sup>•</sup>	DRY	ISOL	DRY	DRY
10	EAST UTTAR PRADESH	DRY <sup>•</sup>	DRY <sup>•</sup>	ISOL	ISOL	ISOL	DRY	DRY
11	WEST UTTAR PRADESH	DRY <sup>•</sup>	DRY	SCT	ISOL	DRY	DRY	DRY
12	UTTARAKHAND	ISOL	SCT	WS <sup>•</sup>	FWS	ISOL	DRY	DRY
13	HARYANA CHD. & DELHI	ISOL	FWS <sup>•</sup>	WS	ISOL	DRY	DRY	DRY
14	PUNJAB	ISOL	FWS <sup>•</sup>	FWS	ISOL	DRY	DRY	DRY
15	HIMACHAL PRADESH	ISOL	FWS <sup>••</sup>	WS <sup>•</sup>	FWS	ISOL	DRY	DRY
16	JAMMU & KASHMIR	SCT	WS <sup>••</sup>	WS <sup>•</sup>	FWS	ISOL	DRY	DRY
17	WEST RAJASTHAN	DRY	ISOL	DRY	DRY	DRY	DRY	DRY
18	EAST RAJASTHAN	DRY	ISOL	ISOL	DRY	DRY	DRY	DRY
19	WEST MADHYA PRADESH	DRY	DRY	ISOL	DRY	DRY	DRY	DRY
20	EAST MADHYA PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
21	GUJARAT REGION D.D. & N.H.	DRY	DRY	DRY	DRY	DRY	DRY	DRY
22	SAURASTRA KUTCH & DIU	DRY	DRY	DRY	DRY	DRY	DRY	DRY
23	KONKAN & GOA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
24	MADHYA MAHARASHTRA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
25	MARATHAWADA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
26	VIDARBHA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
27	CHHATTISGARH	DRY	DRY	DRY	DRY	ISOL	DRY	DRY
28	COASTAL ANDHRA PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
29	TELANGANA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
30	RAYALASEEMA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
31	TAMILNADU & PUDUCHERRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
32	COASTAL KARNATAKA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
33	NORTH INT.KARNATAKA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
34	SOUTH INT.KARNATAKA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
35	KERALA	DRY	ISOL	ISOL	ISOL	DRY	DRY	DRY
36	LAKSHADWEEP	DRY	DRY	DRY	ISOL	ISOL	ISOL	ISOL
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		



# 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

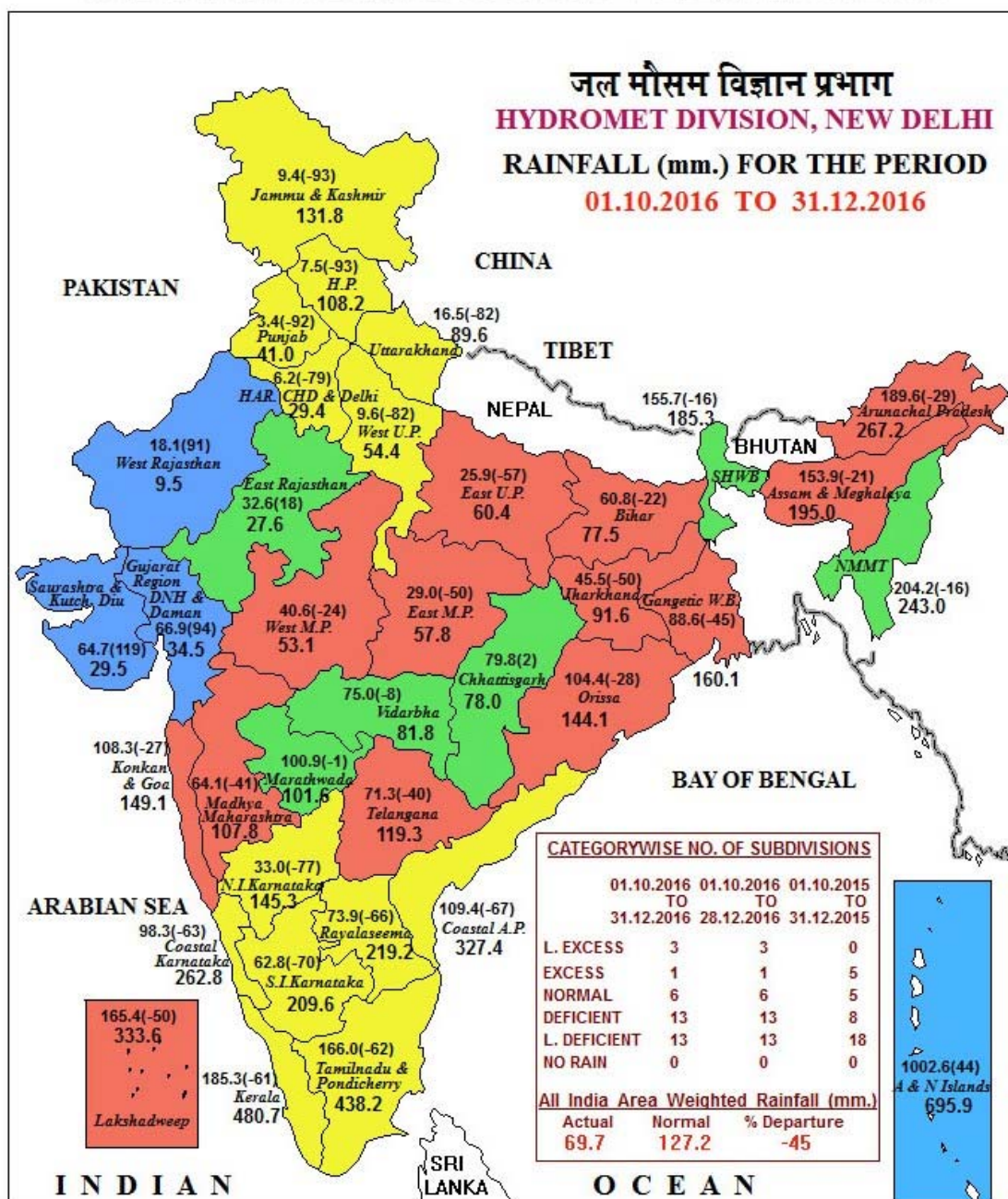
**NOTES:**

(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



**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.