



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

Dated: 27 January, 2017

Current Weather Status and Outlook for next two weeks

Highlights of the past week

Rainfall/Snowfall:

An active western disturbances affected western Himalayan region including Jammu & Kashmir, Himachal Pradesh and Uttarakhand and plains of northwest India including Punjab, Haryana, Chandigarh and Delhi, Uttar Pradesh, north Rajasthan and north Madhya Pradesh during 24-27 January 2017

Cold wave/cold day:

Cold wave conditions were observed at isolated places over Punjab, Haryana, Chandigarh & Delhi, East Uttar Pradesh, north Rajasthan and Odisha on one or two days of the week.

Cold day conditions were also observed at isolated places over Punjab and East Uttar Pradesh on one day of the week.

Fog:

Dense/very dense fog observed at isolated places over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, north Rajasthan and Tripura on one or two days of the week.

MINIMUM TEMPERATURES:

Minimum temperatures $\leq 5.0^{\circ}\text{C}$ were recorded at most/many places over Jammu & Kashmir and Himachal Pradesh on many days and over Uttarakhand on one or two days of the week. These were $\leq 10.0^{\circ}\text{C}$ at most/many places over Assam & Meghalaya; Nagaland, Manipur, Mizoram & Tripura, Uttar Pradesh and Haryana, Chandigarh & Delhi on almost all the days; over Sub-Himalayan West Bengal & Sikkim, Bihar and Punjab on many days; and over Arunachal Pradesh, Uttarakhand, Rajasthan and West Madhya Pradesh on one or two days. **The lowest minimum temperature** in the plains of the country was 0.7°C recorded at Bhatinda (Punjab) on 20th January 2017.

Highlights for next two week

➤ **Rainfall/snowfall:**

- The western disturbance currently located over north Pakistan and adjoining Jammu and Kashmir along with an induced cyclonic circulation over northwest Uttar Pradesh and neighbourhood is likely to move away eastwards during next 48hrs.
- IN association with above system, the scattered rainfall /snowfall is very likely over western Himalayan region during next 24 hrs and decrease thereof
- A feeble western disturbance is very likely to affect J&K and Himachal Pradesh during 30th and 31st. January and another during 3rd and 4th February 2017.

➤ **Minimum and Maximum Temperatures:**

- Fall in minimum temperature by 3-5⁰C and similar rise in maximum temperature is very likely over plains of northwest India during next three days and no large change thereafter.

➤ **Fog:**

- Moderate fog at many places with dense to very dense fog at isolated places very likely over Indo Gangetic plains during next 3-4 days

Weekly Rainfall Scenario (19–25 January, 2017)

During the week, rainfall was below Long Period Average (LPA) by 13% over the country as a whole. Details are given below:

Regions	Actual Rainfall (mm)	Normal Rainfall (mm)	% Departure from LPA
Country as a whole	3.4	3.9	-13%
Northwest India	8.5	8.0	7%
Central India	0.0	1.6	-99%
South Peninsula	3.9	0.9	29%
East & northeast India	0.0	4.5	-100%

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

Winter Season Rainfall Scenario (01-25 January, 2017)

For the country as a whole, cumulative rainfall during this year's winter season has so far upto 25 January been 3% 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	14.0	14.4	-3%
Northwest India	2.4	15.4	-85%
Central India	0.9	6.4	-86%
South Peninsula	6.0	7.0	-15%
East & northeast India	2.4	15.4	-85%

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

Chief synoptic conditions as on 27 January, 2017

- The Western Disturbance as an upper air cyclonic circulation lies over north Pakistan and adjoining Jammu & Kashmir and extends upto 3.1 km above mean sea level with associated trough aloft runs roughly along longitude 75.0°E and north of latitude 20°N.
- The induced upper air cyclonic circulation lies over northwest Uttar Pradesh & neighbourhood and extends upto 1.5 km above mean sea level.
- The trough of low runs from Gulf of Mannar to southwest Bay of Bengal off north Tamil Nadu coast in lower level.
- The upper air cyclonic circulation lies over Bangladesh & neighbourhood at 1.5 km above mean sea level.
- A feeble Western Disturbance likely to affect Western Himalayan region from 28th onwards and another from 3rd February onwards.

Large scale features as on 27 January, 2017

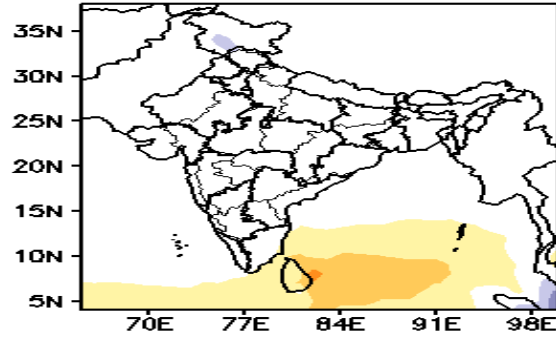
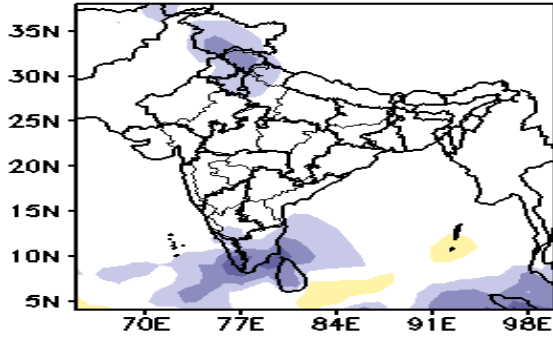
- Equatorial Sea surface temperatures are near to below average over Central and eastern Pacific Ocean and presently La Niña conditions are prevailing.
- Madden Julian Oscillation (MJO) is in phase 2 with amplitude greater than 1 and is moving towards phase 3 during the week with amplitude less than 1.
- 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. 2nd February, 2017

Rainfall Anomaly (mm/day)

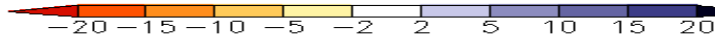
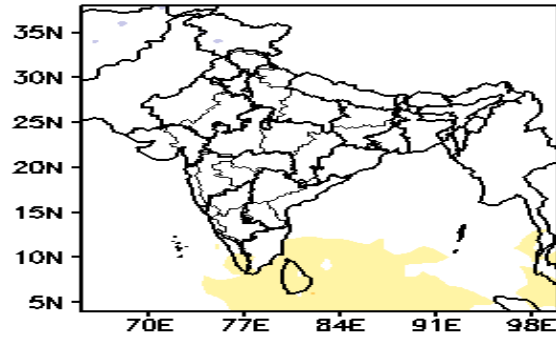
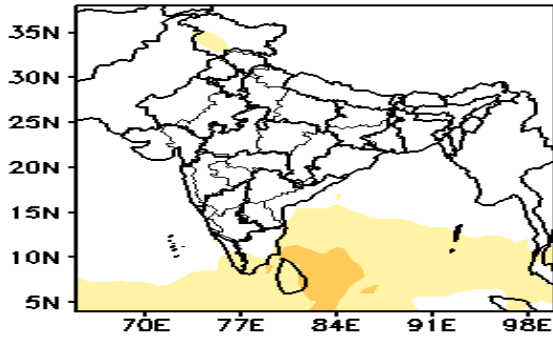
(Week1: 27Jan-02Feb)

(Week2: 03Feb-09Feb)



(Week3: 10Feb-16Feb)

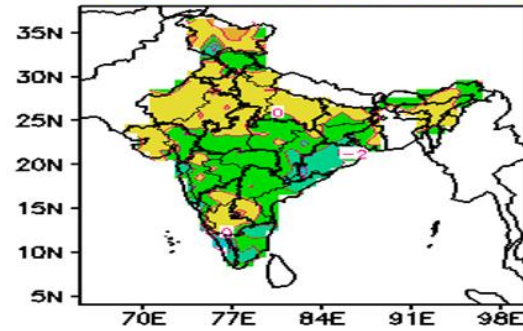
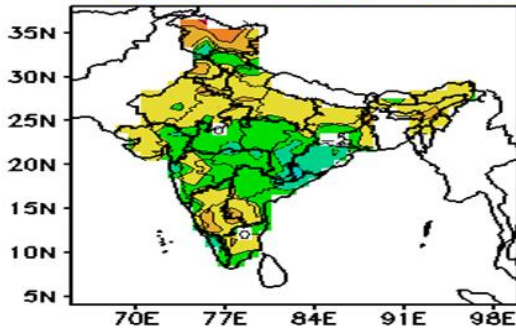
(Week4: 17Feb-23Feb)



MME Bias Corrected Tmin Anomaly (Deg)

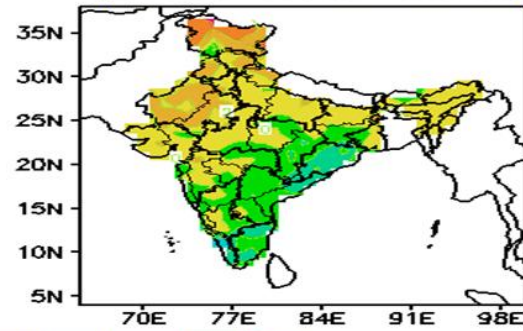
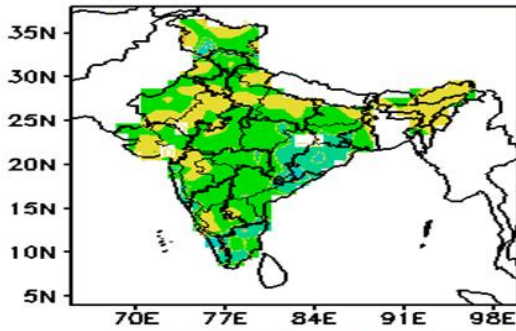
(Week1: 27Jan-02Feb)

(Week2: 03Feb-09Feb)



(Week3: 10Feb-16Feb)

(Week4: 17Feb-23Feb)



Forecast & Warnings (26 January to 1 February, 2017)

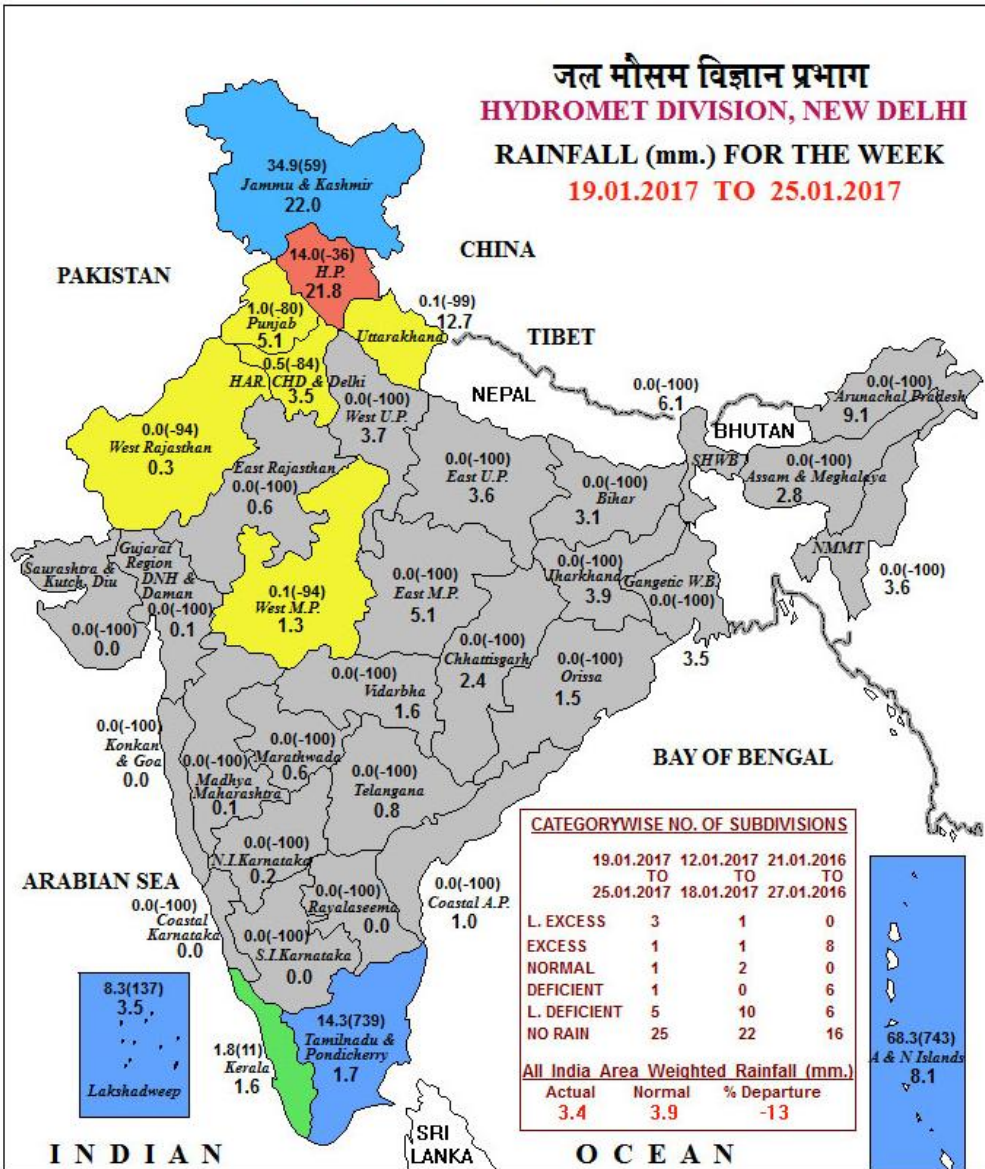
TABLE-1(B)

METEOROLOGICAL SUB-DIVISIONWISE WEEKLY RAINFALL FORECAST & WEATHER WARNINGS (26 JAN-01 FEB 2017)

Sr.No	SUB-DIVISIONS	26 JAN	27 JAN	28 JAN	29 JAN	30 JAN	31 JAN	01 FEB
1	ANDAMAN & NICO.ISLANDS	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
2	ARUNACHAL PRADESH	DRY	ISOL	SCT	DRY	DRY	ISOL	ISOL
3	ASSAM & MEGHALAYA	DRY	DRY	ISOL	DRY	DRY	ISOL	ISOL
4	NAGA.MANI.MIZO.& TRIPURA	DRY	DRY	ISOL	DRY	DRY	DRY	DRY
5	SUB-HIM.W. BENG. & SIKKIM	DRY	ISOL	SCT	DRY	DRY	DRY	DRY
6	GANGETIC WEST BENGAL	DRY	DRY	DRY	DRY	DRY	DRY	DRY
7	ODISHA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
8	JHARKHAND	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
9	BIHAR	DRY	ISOL	ISOL	DRY	DRY	DRY	DRY
10	EAST UTTAR PRADESH	ISOL	SCT	DRY	DRY	DRY	DRY	DRY
11	WEST UTTAR PRADESH	SCT [#]	FWS	DRY	DRY	DRY	DRY	DRY
12	UTTARAKHAND	WS [°]	WS	DRY	DRY	ISOL	ISOL	DRY
13	HARYANA CHD. & DELHI	WS ^{**}	ISOL	DRY	DRY	DRY	DRY	DRY
14	PUNJAB	WS [#]	ISOL	DRY	DRY	DRY	DRY	DRY
15	HIMACHAL PRADESH	WS [°]	WS	ISOL	ISOL	SCT	ISOL	DRY
16	JAMMU & KASHMIR	WS [°]	FWS	ISOL	SCT	FWS	SCT	DRY
17	WEST RAJASTHAN	SCT	DRY	DRY	DRY	DRY	DRY	DRY
18	EAST RAJASTHAN	FWS	ISOL	DRY	DRY	DRY	DRY	DRY
19	WEST MADHYA PRADESH	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
20	EAST MADHYA PRADESH	ISOL [#]	ISOL	DRY	DRY	DRY	DRY	DRY
21	GUJARAT REGION D.D. & N.H.	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
22	SAURASTRA KUTCH & DIU	ISOL	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	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
27	CHHATTISGARH	ISOL	ISOL	DRY	DRY	DRY	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	ISOL	ISOL	DRY	DRY	DRY	DRY
31	TAMILNADU & PUDUCHERRY	SCT	FWS [°]	SCT [°]	ISOL	ISOL	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	ISOL	FWS	FWS	SCT	ISOL	ISOL	DRY
36	LAKSHADWEEP	ISOL	SCT	FWS	FWS	FWS	DRY	DRY
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

**जल मौसम विज्ञान प्रभाग
HYDROMET DIVISION, NEW DELHI
RAINFALL (mm.) FOR THE WEEK
19.01.2017 TO 25.01.2017**



	19.01.2017 TO 25.01.2017		12.01.2017 TO 18.01.2017		21.01.2016 TO 27.01.2016	
	L. EXCESS	3	1	0	0	0
EXCESS	1	1	1	8	8	8
NORMAL	1	2	0	0	0	0
DEFICIENT	1	0	6	6	6	6
L. DEFICIENT	5	10	6	6	6	6
NO RAIN	25	22	16	16	16	16

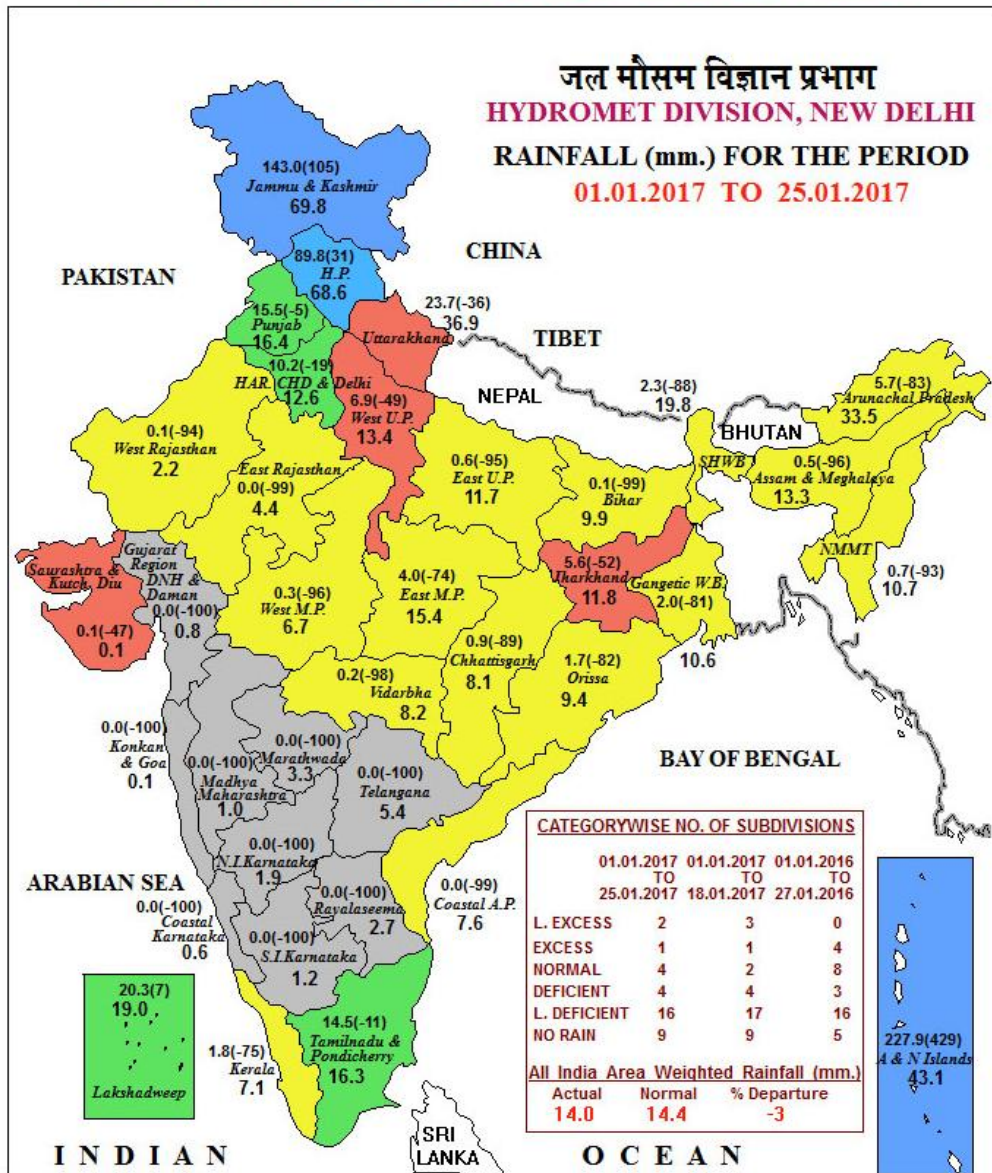
All India Area Weighted Rainfall (mm.)		
Actual	Normal	% Departure
3.4	3.9	-13

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.

Annexure-II

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.