



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

**Press Release
Date: 27th December, 2019
Time of Issue: 1800hrs IST**

**Subject: (a) Wet spell over northwest and central India during 31st December, 2019 to 3rd January, 2020 and eastern parts of India during 1st to 3rd January, 2020
(b) On simultaneous prevailing severe cold wave and severe cold day conditions over northern parts of India**

(a) Wet spell over northwest and central India during 31st December, 2019 to 3rd January, 2020 and eastern parts of India during 1st to 3rd January, 2020

- A fresh Western Disturbance is very likely to affect Western Himalayan region from 30th December night onwards. Under its influence, Western Himalayan region (Jammu & Kashmir, Himachal Pradesh and Uttarakhand) very likely to experience light/moderate scattered to fairly widespread precipitation from 31st December to 3rd January, 2020 with peak intensity on 2nd January, 2020 with possibility of isolated heavy falls over the region.
- Due to interaction between Western Disturbance and lower level easterlies from 31st December, 2019 onwards, scattered to fairly widespread rainfall with thunderstorm/hailstorm at isolated places very likely over West Madhya Pradesh on 31st December, 2019; East Madhya Pradesh & Chhattisgarh during 31st December, 2019 to 2nd January, 2020; and Odisha, Bihar, Jharkhand & West Bengal during 1st to 3rd January, 2020.
- Light/moderate isolated to scattered rain/thundershower is also very likely over Punjab, Haryana, Chandigarh & Delhi, north Rajasthan and Uttar Pradesh during 31st December, 2019 to 2nd January, 2020. Isolated thunderstorm/hailstorm at isolated places is also likely to occur over south Uttar Pradesh, on 1st & 2nd January, 2020.

(b) On simultaneous prevailing severe cold wave and severe cold day conditions over northern parts of India

- Due to persistence of cold northwesterly winds in lower levels over northwest India and other favorable meteorological conditions, cold wave to severe cold wave conditions have developed over some pockets in north Rajasthan and cold wave conditions in some pockets in Haryana, Chandigarh & Delhi and in isolated pockets over north Madhya Pradesh.
- The lowest minimum temperature on 26-27th December were Sikar: 0.0° C Pilani-0.5 °C, Mount Abu-1.0 °C, Churu-1.3 °C and Narnaul-2.5 °C.
- Cold day to severe cold day conditions are also continued to persist over most parts of northern states since 15th December and these conditions have further intensified in last 2-days (i.e. 25-27 December, 2019) with most of stations reported 8-12 °C below normal maximum temperature. The lowest maximum temperatures reported on 27th December, 2019 are: Ganganagar-9.8 °C, Amritsar-8.8 °C; Ludhiana-8.7 °C, Ambala-10.2 °C, Jhansi-9.9 °C, Delhi Safderjung- 14.4 °C and Palam-12.9 °C.
- Considering prevailing meteorological conditions, cold day to severe cold day conditions in many pockets very likely till 29th December over Punjab, Haryana, Chandigarh & Delhi, north Rajasthan, Bihar and Uttar Pradesh with some improvements on 29th December with cold day to severe cold day conditions at some pockets in these areas. Cold day conditions are likely to prevail at isolated pockets over these regions on 30th December and **abate thereafter**.
- Dense to very dense fog in isolated pockets in morning hours very likely till 29th morning over Punjab, Haryana, Chandigarh & Delhi, north Rajasthan, Uttar Pradesh, Bihar, north Madhya Pradesh and **abate thereafter**.

- Cold wave to severe cold wave conditions in some pockets very likely over Haryana, Chandigarh & Delhi, north Rajasthan & Bihar till 28th December. Cold wave conditions is likely in isolated pockets over Punjab, Haryana, Chandigarh & Delhi, north Rajasthan on 29th December and **abate thereafter**.
- **Detailed color coded Warnings are as follow:**

Sub-Divisions	27 Dec. 2019*	28 Dec. 2019*	29 Dec. 2019*	30 Dec. 2019*
Punjab and Haryana, Chandigarh & Delhi	Cold day to severe cold day conditions very likely at most pockets. Dense fog in isolated pockets very likely in night/morning hrs Cold wave to severe cold wave conditions very likely in some pockets	Cold day to severe cold day conditions very likely in some pockets. Dense fog in isolated pockets very likely in night/morning hrs Cold wave conditions very likely in isolated pockets.	Cold day to severe cold day conditions very likely in some pockets. Dense fog in isolated pockets very likely in night/morning hrs Cold wave conditions very likely in isolated pockets.	Cold day conditions very likely in isolated pockets.
West Uttar Pradesh	Cold day to severe cold day conditions very likely in most pockets. Dense fog in isolated pockets very likely in night/morning hrs. Cold wave conditions very likely in isolated pockets.	Cold day to severe cold day conditions very likely in some pockets. Dense fog in isolated pockets very likely in night/morning hrs.	Cold day to severe cold day conditions very likely in some pockets. Dense fog in isolated pockets very likely in night/morning hrs.	Cold day conditions very likely in isolated pockets.
East Uttar Pradesh	Cold day to severe cold day conditions very likely in most pockets. Dense fog in isolated pockets very likely in night/morning hrs.	Cold day conditions very likely in some pockets. Dense fog in isolated pockets very likely in night/morning hrs.	Cold day conditions very likely in some pockets. Dense fog in isolated pockets very likely in night/morning hrs.	Cold day conditions very likely in isolated pockets
Bihar	Cold day to severe cold day conditions very likely in many pockets. Dense fog in isolated pockets very likely in night/morning hrs. Cold wave conditions very likely in some pockets.	Cold day to severe cold day conditions very likely in some pockets. Cold wave conditions very likely in some pockets.	Cold day to severe cold day conditions very likely in some pockets. Cold wave conditions very likely in some pockets.	
North Rajasthan	Cold day to severe cold day conditions very likely in most pockets. Dense to very dense fog in isolated pockets very likely in night/morning hrs Cold wave to severe cold wave conditions very likely in some pockets.	Cold day conditions very likely in some pockets. Dense fog in isolated pockets very likely in night/morning hrs Cold wave conditions very likely in isolated pockets	Cold day conditions very likely in some pockets. Dense fog in isolated pockets very likely in night/morning hrs Cold wave conditions very likely in isolated pockets	Cold day conditions very likely in isolated pockets
North Madhya Pradesh	Cold day to severe cold day conditions very likely in many pockets. Dense fog in isolated pockets very likely in night/morning hrs. Cold wave conditions very likely in isolated pockets.			

Note: * Rainfall till 0830 IST of next day.

Legends: **Yellow: Be updated, Orange- Be prepared; Red- Take action, Green: No warning**

Heavy rain: 64.5-115.5 mm/day; Very heavy rain: 115.6-204.4 mm/day; Extremely heavy rain: more than 204.4 mm/day

Dense Fog: 50 to 199 m, Very Dense Fog: less than 50 m

Cold Day conditions when Minimum Temperature of a Station $\leq 10^{\circ}\text{C}$ in plains:

Cold Day : Maximum Temperature departure from normal -4.5°C to -6.4°C

Severe Cold Day: Maximum Temperature departure from normal $\leq -6.4^{\circ}\text{C}$

For further details and forecast updates kindly visit websites of IMD, New Delhi:

<http://www.imd.gov.in/pages/allindiawxfbulletin.php>

For district level warning, kindly visit website of Meteorological Centres/Regional Meteorological Centres of IMD at state levels