

Government of India Ministry of Earth Sciences India Meteorological Department

Press Release Date: 28th December, 2021 Time of Issue: 1230 hrs IST

Subject:

- I. Wet spell over northwest India on 28th; over central India on 28th & 29th and over east India during 28th 30th December, 2021.
- II. Dense fog in isolated pockets over plains of Northwest India during 29th-31st December, Central India on 30th & 31st December and East India on 31st December, 2021 & 1st January, 2022.
- III. Cold Wave Conditions over Punjab, Haryana, and Chandigarh during 30th December-01st January and over north Rajasthan on 31st December, 2021 & 1st January, 2022.

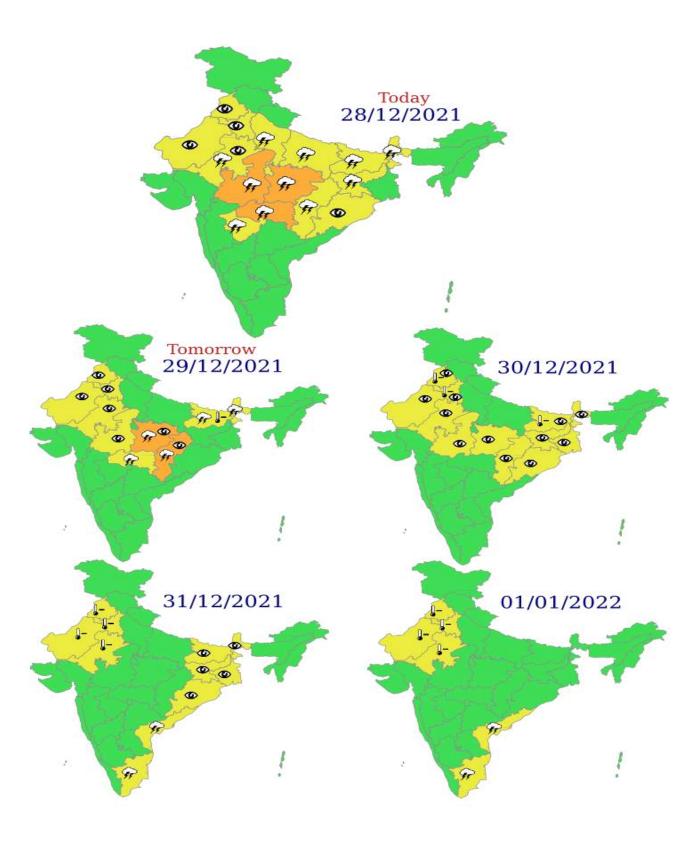
Significant amount of Rainfall (from 0830 hours IST of yesterday to 0830 hours IST of today)(2 cm or more): **East Rajasthan:** Baran: (Shahabad-3, Baran, Kishanganj, Mangrol-2); Bundi: (Bundi and Nainwa-2); Chittorgarh: (Nimbahera-4, Kapasan, Bhopalsagar-3, Bega, Chittorgarh, Dungla-2); Jhalawar: (Jhalarapatan, Pachpahar-3, Asnawar-2); Kota: (Sangod-3); Udaipur: (Mavli-5, Gogunda-4); **West Madhya Pradesh:** Neemuch (Manasa, Jawad and Marukheda-3); Mandsaur: (Bhanpura-3, Shamgarh, Garoth, Suwasra-2); Sheopur: (Baroda-2).

- I. Wet spell over northwest India on 28th; over central India on 28th & 29th and over east India during 28th 30th December, 2021.
- The Western Disturbance seen as a cyclonic circulation over north Pakistan & neighbourhood at lower tropospheric levels with a trough aloft roughly along Long. 68°E to the north of Lat. 26°N in middle tropospheric levels.
- An induced cyclonic circulation lies over southwest Rajasthan & neighbourhood and a trough runs from the cyclonic circulation to north Telangana at lower tropospheric levels.
- A cyclonic circulation lies over central parts of Uttar Pradesh at lower tropospheric levels.
- Under the influence of above systems:
 - i) Light/moderate isolated to scattered rainfall/snowfall very likely over Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad and Himachal Pradesh on 28th; and over Uttrakhand on 28th & 29th December, 2021.
 - ii) Light isolated rainfall very likely over Haryana, Chandigarh & Delhi, Rajasthan on 28th and scattered to fairly widespread rainfall over Uttar Pradesh on 28th & 29th December, 2021. Isolated thunderstorm, lightning & **hailstorm** also likely over East & adjoining West Uttar Pradesh on 28th December, 2021.
 - iii) Light/moderate isolated to scattered rainfall very likely over Madhya Pradesh, Vidarbha, Odisha, Gangetic West Bengal and Chhattisgarh; scattered to fairly widespread rainfall over Bihar, Jharkhand and Sub-Himalayan West Bengal & Sikkim during 28th to 30th December.
 - iv) Isolated thunderstorm, lightning & **hailstorm** also likely over East Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim on 28th & 29th; over West Madhya Pradesh, Vidarbha, Jharkhand on 28th; over Chhattisgarh on 29th; over Arunachal Pradesh, Assam & Meghalaya on 29th & 30th and over Nagaland on 30th December, 2021.

II) Minimum Temperatures, Cold Wave, Cold Day and Fog:

- i) Minimum temperatures are 2-5°C above normal over many parts of Northwest, Central, East, Northeast and north peninsular India.
- ii) No significant change in minimum temperatures very likely over most parts of Northwest India during next 24 hours and fall by 2-4°C for subsequent 2 days and no significant change thereafter.
- iii) No significant change in minimum temperatures over most parts of central & East India during next 2 days and fall by 2-4°C thereafter.
- iv) Gradual fall in minimum temperatures by 2-4°C over Gujarat state during next 2 days and rise by 2-4°C thereafter.
- v) **Cold Wave Conditions** likely to prevail over Punjab, Haryana and Chandigarh during 31st December- 02nd January and over north Rajasthan on 01st & 02nd January, 2022.
- vi) **Cold Day Conditions** likely to prevail over Bihar on 29th & 30th December.
- vii) Dense fog in isolated pockets very likely over Punjab, Haryana and north Rajasthan in night/morning hours during next 3 days; over Madhya Pradesh, Chhattisgarh on 30th & 31st December and over East India during 31st December & 01st January.

For more details refer: https://mausam.imd.gov.in/imd_latest/contents/subdivisionwise-warning.php



Impact expected and action suggested due to Thunderstorm, Lightning & Hail over East Rajasthan, Uttar Pradesh, Madhya Pradesh, Vidarbha, Bihar, Jharkhand and Sub-Himalayan West Bengal & Sikkim during next 24 hours.

Impact expected:
□□Hail may damage plantation, horticulture and standing crops.
□□Hail may injure people and cattle at open places.
Action suggested:
□□Stay indoors, close windows & doors and avoid travel if possible.
□□Take safe shelters; do not take shelter under trees.
□□Do not lie on concrete floors and do not lean against concrete walls.
□□Unplug electrical/ electronic appliances.
□□Immediately get out of water bodies.
□□Keep away from all the objects that conduct electricity.

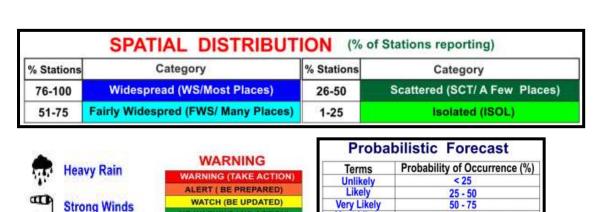
Legends:

Heavy Rain: 64.5 to 115.5 mm; Very Heavy Rain: 115.6 to 204.4 mm; Extremely Heavy Rain: >204.4 mm. Region wise classification of meteorological Sub-Divisions:

- 1) Northwest India: Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad; Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
- 2) Central India: West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- 3) East India: Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- 4) Northeast India: Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 5) West India: Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
- 6) South India: Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

Very Likely Most Likely

> 75





Strong Winds

Thunderstorm with Lightning

WATCH (BE UPDATED)



Visibility/Fog



Cold wave/Cold day

