



**Government of India
Ministry of Earth Sciences
India Meteorological Department**

**Press Release
Date: 07th January, 2022
Time of Issue: 1300 hrs IST**

Subject:

Enhanced rainfall/snowfall with isolated heavy falls over Western Himalayan Region and enhanced rainfall activity over Plains of northwest India till 09th January, 2022.

Weather Observed during past 24 hours ending at 0830 hrs IST of today:

- **Precipitation (in cm): East Madhya Pradesh:** Chhatarpur, Niwari, Panna-5 each, Tikamgarh-4, Sagar-2; **West Madhya Pradesh:** Bhopal-4, Shajapur, Vidisha, Bhind, Rajgarh, Gwalior, Shivpuri-3 each; **Punjab:** Kapurthala-4.
- **Minimum temperatures** are above normal by 3-6°C over most parts of Northwest & central India and Gujarat and near normal over rest parts of North India.
- **Fog (at 0830 hours IST of today): Dense to very dense fog** occurred in isolated pockets over Rajasthan, northwest Madhya Pradesh, West Uttar Pradesh, Sub-Himalayan West Bengal & Sikkim and Bihar and **moderate fog** in isolated pockets over Delhi, East Uttar Pradesh and Tripura.

Forecast & Warnings:

I. Wet spell over Northwest & Central India till 9th January:

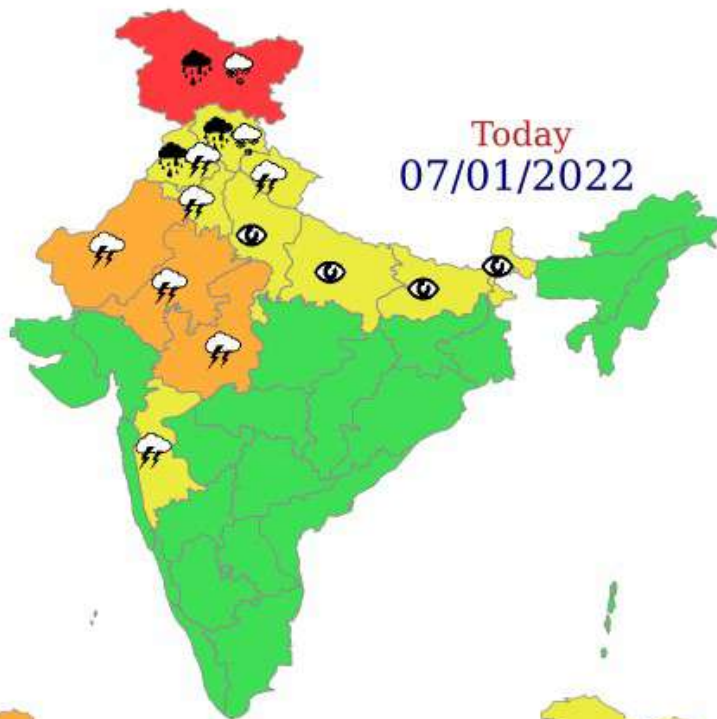
- The Western Disturbance as a cyclonic circulation lies over south Afghanistan & neighbourhood in lower & middle tropospheric levels with trough aloft in upper tropospheric levels along Long. 65°E to the north of Lat. 15°N. The induced cyclonic circulation lies over southwest Rajasthan & adjoining south Pakistan at lower tropospheric levels.
- **There is high moisture feeding from Arabian Sea over northwest & adjoining central India in lower & middle tropospheric levels and is very likely to continue during next 2-3 days. The confluence of winds from Arabian Sea and Bay of Bengal at lower tropospheric levels is very likely over central India during next 4-5 days.**
- Under the influence of above systems:
 - ✓ Fairly widespread to widespread light/moderate rainfall/snowfall over Western Himalayan Region till 09th and decrease significantly thereafter. **Isolated heavy Very Heavy rainfall/snowfall** very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 07th and **isolated Heavy falls** on 08th & 09th January. **Isolated heavy rainfall/snowfall** very likely over Himachal Pradesh during 07th-09th January.
 - ✓ Fairly widespread to widespread light/moderate rainfall very likely over Punjab, Haryana, Chandigarh & Delhi, north Rajasthan, Uttar Pradesh during 07th-09th and decrease significantly thereafter. Scattered to fairly widespread light/moderate rainfall very likely over Madhya Pradesh during 07th to 11th, Vidarbha and Chhattisgarh during 09th to 11th January.
 - ✓ **Isolated heavy rainfall** very likely over Punjab on 07th & 08th and over Haryana, Chandigarh on 08th January.

- ✓ **Isolated thunderstorms with lightning/Hail** very likely over Uttarakhand, Rajasthan, Punjab, Haryana, Chandigarh, West Madhya Pradesh on 07th & 08th; East Madhya Pradesh on 08th & 09th; Vidarbha on 09th & 10th and over Chhattisgarh on 10th & 11th January, 2022.
- ✓ Isolated to scattered light/moderate rainfall very likely over East India during 09th to 11th January.

II. **Minimum Temperatures, Cold Wave and Fog:**

- ✓ Minimum temperatures are above normal by 3-6°C over most parts of Northwest & central India and Gujarat and near normal over rest parts of North India. .
- ✓ No significant change in minimum temperatures very likely over most parts of Northwest India & Madhya Pradesh during next 2 days and fall by 3-5°C thereafter.
- ✓ **No Cold Wave Conditions likely over North India during next 4-5 days.**
- ✓ Fall in minimum temperatures by 3-5°C very likely over Gujarat State during next 3 days and no significant change thereafter.
- ✓ Gradual rise in minimum temperatures by 2-4°C over East India during next 5 days.
- ✓ **Dense Fog** in isolated pockets in night/morning hours very likely over West Uttar Pradesh during next 24 hours and over East Uttar Pradesh, Bihar, Sub-Himalayan West Bengal & Sikkim during next 2 days.

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



Today
07/01/2022



Tomorrow
08/01/2022



09/01/2022



10/01/2022



11/01/2022

EXPECTED IMPACT & ACTION SUGGESTED due to isolated Heavy/Very Heavy rainfall/snowfall over Jammu & Kashmir and Himachal Pradesh during 07th-09th January and isolated Heavy rainfall over Punjab on 07th & 08th and over Haryana, Chandigarh on 08th January, 2022.

A. Impact Expected

- Localized Flooding of roads, inundation and water logging in low lying areas and closure of underpasses mainly in urban areas of the affected region.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutcha roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides
- Damage to horticulture and standing crops in some areas due to inundation.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

B. Action Suggested

- Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.
- Avoid going to areas that face the water logging problems often.
- Avoid staying in vulnerable structure.
- Harvest the ripen crops like Paddy & Horticultural crops and also secure the harvested crops securely from the damage due to rain and strong winds.

Impact expected and action suggested due to Thunderstorm, Lightning & Hail over Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, West Madhya Pradesh on 07th-08th; over Rajasthan on 07th; over East Madhya Pradesh on 08th & 09th; over Vidarbha on 09th & 10th; over Chhattisgarh on 10th & 11th January., 2022.

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.

SPATIAL DISTRIBUTION (% of Stations reporting)			
% Stations	Category	% Stations	Category
76-100	Widespread (WS/ Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)



Heavy Rain
Strong Winds

WARNING	
WARNING (TAKE ACTION)	ALERT (BE PREPARED)
WATCH (BE UPDATED)	NO WARNING (NO ACTION)

Probabilistic Forecast	
Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75

- Thunderstorm with Lightning**
- Visibility/Fog**
- Cold wave/Cold day**
- Frost**