



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

**Press Release**  
**Date: 05<sup>th</sup> January, 2022**  
**Time of Issue: 1300 hrs IST**

**Subject:**

- I. Wet spell over northwest & central India till 9<sup>th</sup> January due to two consecutive active Western Disturbances.**
- II. No Cold Wave Conditions likely over North India during next 5 days.**

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

- Minimum temperatures are above normal by 2-5°C over most parts of Northwest India (excluding Uttar Pradesh), West Madhya Pradesh and Gujarat and near normal over rest part of North & adjoining central India.
- **Fog** (at 0830 hours IST of today): **Dense to very dense fog** occurred in isolated pockets over East Uttar Pradesh, Sub-Himalayan West Bengal & Sikkim, Bihar; and **Dense Fog** over Gangetic West Bengal, Odisha and West Uttar Pradesh.
- **Precipitation observed (in cm): Jammu & Kashmir:** Batote & Banihal-4 each, Gulmarg & Katra-3 each, Pahalgam & Qazi Gund-2 each, Kupwara, Baderwah & Jammu-1 each; **Himachal Pradesh:** Manali-4, Bhuntar-3, Kalpa & Dharamshala-2, Sundernagar, Shimla & Mandi-1 each, **East Madhya Pradesh:** Anuppur-4

**Forecast & Warnings:**

**I. Wet spell over northwest & central India till 9<sup>th</sup> January:**

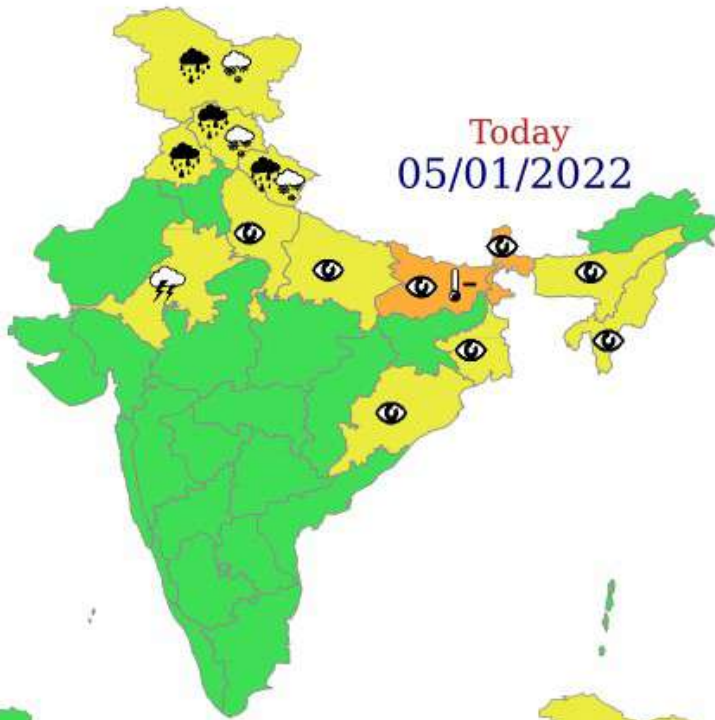
- The Western Disturbance lies as a cyclonic circulation over Afghanistan & neighbourhood extending at lower tropospheric levels with a trough aloft in westerlies in middle tropospheric levels with its axis along Long.65°E to the north of Lat.25°N. An induced cyclonic circulation lies over southwest Rajasthan & adjoining Pakistan in lower tropospheric levels. There is moisture feeding from Arabian Sea over northwest India. Under its influence:
  - ✓ Fairly widespread to widespread light/moderate rainfall/snowfall very likely to continue over Western Himalayan Region on 05<sup>th</sup> and scattered on 06<sup>th</sup> January. **Isolated heavy rainfall/snowfall** very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh & Uttarakhand on today, the 05<sup>th</sup> January.
  - ✓ Scattered to fairly widespread light/moderate rainfall very likely over Punjab, Haryana, Chandigarh & Delhi, north Rajasthan, West Uttar Pradesh and isolated to scattered over south Rajasthan, Gujarat state, West Madhya Pradesh and East Uttar Pradesh on 05<sup>th</sup> & 06<sup>th</sup> January.
  - ✓ **Isolated heavy rainfall** is very likely over Punjab on today, the 05<sup>th</sup> January.

- Thereafter, an intense Western Disturbance is very likely to affect Northwest India from the night of 06<sup>th</sup> January, 2022 onwards. Under its influence, an induced cyclonic circulation very likely to form over southwest Rajasthan & neighbourhood on 07<sup>th</sup> January, 2022. High moisture feeding from Arabian Sea is also very likely over northwest & central India during 07<sup>th</sup> to 09<sup>th</sup> January, 2022. Under its influence:
  - ✓ Fairly widespread to widespread rainfall/snowfall very likely over Western Himalayan Region during 07<sup>th</sup> to 09<sup>th</sup> January and decrease thereafter.
  - ✓ Isolated heavy rainfall/snowfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 07<sup>th</sup> & 08<sup>th</sup> and over Himachal Pradesh & Uttarakhand on 08<sup>th</sup> January, 2022.
  - ✓ Scattered to fairly widespread light/moderate rainfall over plains of northwest & adjoining central India during 07<sup>th</sup> to 09<sup>th</sup> January.
  - ✓ Isolated **heavy rainfall** is very likely over Punjab and Haryana & Chandigarh on 08<sup>th</sup> January.
  - ✓ Isolated thunderstorm activity accompanied with **Hailstorms** very likely over Madhya Pradesh on 08<sup>th</sup> & 09<sup>th</sup>; over Vidarbha on 09<sup>th</sup> January, 2022.

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

- i) Minimum temperatures are above normal by 2-5°C over most parts of Northwest India (excluding Uttar Pradesh), West Madhya Pradesh and Gujarat and near normal over rest part of North & adjoining central India.
- ii) No significant change in minimum temperatures very likely over most parts of northwest India during next 4-5 days. Gradual rise in minimum temperatures by 2-4°C very likely over most parts of Central India during next 2 days and no significant change thereafter for subsequent 3 days. Hence, **no Cold Wave Conditions likely over Northwest India during next 5 days.**
- iii) No significant change in minimum temperatures very likely over East India during next 24 hours and rise by 3-5°C thereafter.
- iv) **Dense to very dense Fog** in isolated pockets in night/morning hours very likely over East Uttar Pradesh, Bihar, Sub-Himalayan West Bengal & Sikkim and **dense Fog** in isolated pockets over Odisha, Gangetic West Bengal, west Assam & Meghalaya, Manipur, Mizoram and Tripura during next 2 days.

**For more details refer:** [https://mausam.imd.gov.in/imd\\_latest/contents/subdivisionwise-warning.php](https://mausam.imd.gov.in/imd_latest/contents/subdivisionwise-warning.php)



**EXPECTED IMPACT & ACTION SUGGESTED due to isolated heavy rainfall/snowfall Jammu & Kashmir on 05<sup>th</sup>, 07<sup>th</sup> & 08<sup>th</sup>; over Himachal Pradesh & Uttarakhand on 05<sup>th</sup> & 08<sup>th</sup> 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 kutchha 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 Madhya Pradesh on 08<sup>th</sup> & 09<sup>th</sup> and Vidarbha on 09<sup>th</sup> 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.

<b>SPATIAL DISTRIBUTION</b> (% 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)



<b>WARNING</b>	
WARNING (TAKE ACTION)	
ALERT (BE PREPARED)	
WATCH (BE UPDATED)	
NO WARNING (NO ACTION)	

<b>Probabilistic Forecast</b>	
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**