



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

**Press Release**  
**Date: 06<sup>th</sup> January, 2022**  
**Time of Issue: 1315 hrs IST**

**Subject:**

- I. Wet spell over Northwest & Central India till 9<sup>th</sup> January.**
- II. Fall in night temperatures by 3-5° C over Northwest India from 09<sup>th</sup> January, 2022 onwards.**

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

- **Precipitation observed (in cm): Jammu & Kashmir:** Jammu Aero-9, Batote & Udhampur IAF-7 each, Badarwah, Banihal, Katra & Samba AWS-6 each, Jammu, Govindpura AWS & Kawa AWS-5 each, Pahalgam, Gulmarg & Rajouri-4 each, Kukernag, Gund, Kupwara & Shalimar-2 each, Anantnag-1; **Himachal Pradesh:** Una-5, Manali, Dharamsala-4, Bhuntar, Mandi, Sundernagar-3 each; **Punjab:** Patiala-3.
- **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):** **Very Dense fog** in some pockets over Bihar; **Dense Fog** in isolated pockets over West Bengal & Sikkim & Odisha; **Moderate fog** in isolated pockets over East Uttar Pradesh, Rajasthan, Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad and Delhi and **Shallow fog** in isolated pockets over Utrakhand, Gujarat State, Haryana, Jharkhand, Assam and Tripura.

**Forecast & Warnings:**

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

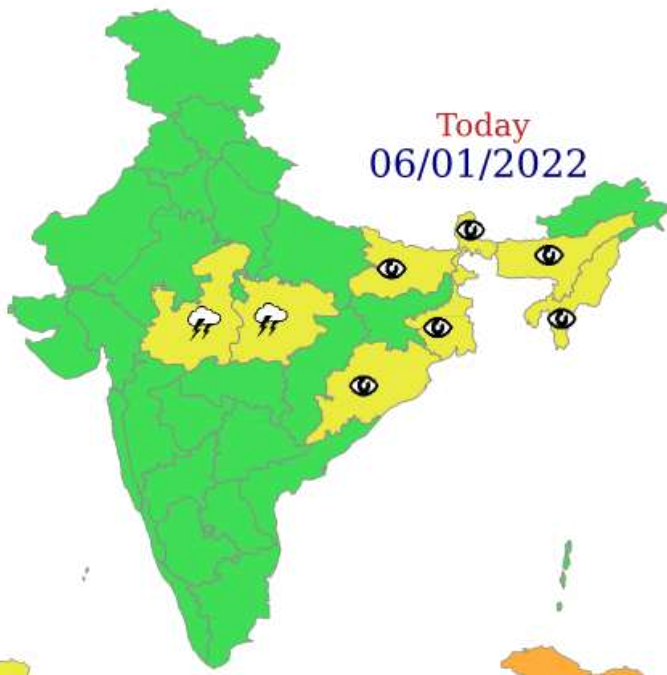
- A fresh Western Disturbance lies as a cyclonic circulation over western parts of Afghanistan & neighbourhood at lower tropospheric levels with a trough aloft in middle & upper tropospheric levels along Long. 56°E to the north of Lat. 24°N. Under its influence, an induced cyclonic circulation is very likely to form over southwest Rajasthan & neighbourhood on 07<sup>th</sup> January, 2022.
- This Western Disturbance is likely to move eastwards, deepen further into the Arabian Sea and reach North Pakistan region during next 24 hours. It is likely to persist over North Pakistan region for subsequent 3-4 days.
- Yesterday's Western Disturbance as a cyclonic circulation over Afghanistan & neighbourhood, now seen as a cyclonic circulation over north Pakistan & adjoining Punjab and the induced cyclonic circulation now lies over southeast Rajasthan & neighbourhood at lower tropospheric levels.
- Under the influence of above systems:
  - ✓ Isolated to scattered light rainfall/snowfall very likely over Western Himalayan Region and light isolated to scattered rainfall over northwest India, Madhya Pradesh and Gujarat on today.

- ✓ It is very likely to increase from tomorrow, the 07 January, 2022 with fairly widespread to widespread light/moderate rainfall/snowfall over Western Himalayan Region till 09<sup>th</sup> and decrease significantly thereafter.
- ✓ **Isolated heavy rainfall/snowfall** very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 07<sup>th</sup> and **isolated Heavy to Very Heavy falls** on 08<sup>th</sup>. **Isolated heavy rainfall/snowfall** very likely over Himachal Pradesh on 08<sup>th</sup> & 09<sup>th</sup> and over Uttarakhand on 08<sup>th</sup> January.
- ✓ Fairly widespread to widespread light/moderate rainfall very likely over Punjab, Haryana, Chandigarh & Delhi, north Rajasthan, West Uttar Pradesh during 07<sup>th</sup>-09<sup>th</sup> and decrease significantly thereafter. **Isolated heavy rainfall** very likely over Punjab on 07<sup>th</sup> & 08<sup>th</sup> and over Haryana, Chandigarh & Northwest Uttar Pradesh on 08<sup>th</sup> January. Light to moderate rainfall likely over Delhi on 08<sup>th</sup> January.
- ✓ **Isolated thunderstorms with lightning/Hail** very likely over Uttarakhand, West Uttar Pradesh, Rajasthan, Punjab, Haryana, Chandigarh & Delhi during 07<sup>th</sup>-08<sup>th</sup>; over West Madhya Pradesh during 06<sup>th</sup>-08<sup>th</sup> and over East Madhya Pradesh, Vidarbha & Chhattisgarh during 08<sup>th</sup>-10<sup>th</sup> January.
- ✓ Rainfall activity over Tamilnadu & adjoining Andhra Pradesh is likely to increase from 10<sup>th</sup> January. **Isolated heavy rainfall likely over Tamilnadu on 10<sup>th</sup> 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 3 days and fall by 3-5°C thereafter.
- ✓ **No Cold Wave Conditions likely over North India during next 5 days..**
- ✓ No significant change in minimum temperatures very likely over Gujarat State during next 2 days and fall by 3-5°C thereafter.
- ✓ Gradual rise in minimum temperatures very likely by 2-4°C and no significant change over East India thereafter.
- ✓ **Dense Fog** in isolated pockets in night/morning hours very likely over Bihar, West Bengal & Sikkim during next 2 days and over Odisha, Gangetic West Bengal, west Assam & Meghalaya, Manipur, Mizoram and Tripura during next 24 hours.

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/Very Heavy rainfall/snowfall over Jammu & Kashmir on 07<sup>th</sup> & 08<sup>th</sup>; over Himachal Pradesh 08<sup>th</sup> & 09<sup>th</sup> and over Uttarakhand on 08<sup>th</sup> January and isolated Heavy rainfall over Punjab on 07<sup>th</sup> & 08<sup>th</sup> and over Haryana, Chandigarh & West Uttar Pradesh on 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 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 West Madhya Pradesh during 06<sup>th</sup>-08<sup>th</sup>; over East Madhya Pradesh & Vidarbha on 08<sup>th</sup> & 09<sup>th</sup>; over Chhattisgarh on 10<sup>th</sup>; over Uttarakhand, Rajasthan & West Uttar Pradesh on 08<sup>th</sup> and over Punjab, Haryana & Chandigarh on 07<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)



Heavy Rain



Strong Winds



Thunderstorm with Lightning



Visibility/Fog



Cold wave/Cold day



Frost

### 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