



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

**Press Release**

**Date: 23<sup>rd</sup> January, 2022**

**Time of Issue: 1300 hrs IST**

**Subject: I) Wet spell over Western Himalayan Region & Uttar Pradesh to continue during next 24 hours while over East & Northeast India during 23<sup>rd</sup>-24<sup>th</sup> January, 2022 and reduction thereafter.**  
**II) Fall in minimum temperatures by 4-6°C over Northwest India and Madhya Pradesh during next 3 days.**

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

- Light/moderate widespread rainfall has been reported over Punjab, Haryana-Chandigarh-Delhi and Western Himalayan Region with **isolated heavy rainfall over Jammu & Kashmir and Himachal Pradesh.**
- **Jammu & Kashmir:** Udhampur-9, Kawa AWS-7, Katra-5; Batote-4; Baderwah-3; **Himachal Pradesh:** Nahan-8, Shimla-6, Bilaspur-5, Una & Solan-4 each, Hamirpur-3; **Uttarakhand:** Dehradun, Hardwar-3 each; **Punjab:** Amritsar-4; **Haryana, Chandigarh & Delhi:** Chandigarh-5; Ambala-4; Ayanagar, Lodi Road, Pusa, Mayur Vihar, Palam (Delhi)-3 each; **West Uttar Pradesh:** Meerut-3; **East Rajasthan:** Alwar-3.
- **Cold Day to severe cold day conditions** prevailed in isolated pockets of East Uttar Pradesh.
- Minimum temperatures are above normal by 2-4°C over Punjab, Haryana, Uttar Pradesh, Rajasthan, Madhya Pradesh and Gujarat and by 3-5°C over Bihar, Odisha, Chhattisgarh, Jharkhand and West Bengal and near normal over rest parts of north India.
- **Dense to very dense fog** prevailed in isolated pockets of north Madhya Pradesh; **Moderate to Dense fog** in isolated pockets of Himachal Pradesh, East Uttar Pradesh and Odisha.

**Synoptic Situations:**

- A Western Disturbance as a cyclonic circulation lies over Punjab & neighbourhood in lower tropospheric levels with a trough aloft in mid & upper tropospheric levels roughly along Long. 72°E to the north of Lat. 32°N.
- A cyclonic circulation lies over Haryana & neighbourhood in lower tropospheric levels.

- An east-west trough runs from the above cyclonic circulation over Haryana & neighbourhood to north Chhattisgarh across south Uttar Pradesh in lower tropospheric levels.
- A north-south trough runs from Bihar to north Odisha across Jharkhand in lower tropospheric levels.

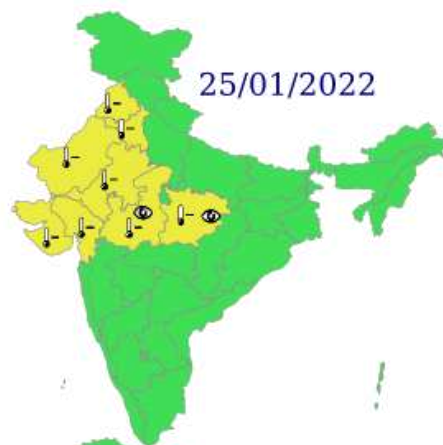
### Forecast & Warnings:

- ✓ Widespread light/moderate rainfall/snowfall very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh & Uttarakhand during next 24 hours and reduce thereafter to light isolated/scattered rainfall/snowfall on 24<sup>th</sup> & 25<sup>th</sup>. Isolated **Heavy rainfall/snowfall with hailstorm** activity very likely over Uttarakhand during next 24 hours.
- ✓ Isolated/Scattered light rainfall very likely over Punjab, Haryana-Chandigarh-Delhi, West Uttar Pradesh, East Rajasthan, Madhya Pradesh and Chhattisgarh during next 24 hours and dry weather thereafter. Fairly widespread light/moderate rainfall over East Uttar Pradesh during next 24 hours and reduction thereafter.
- ✓ Scattered/fairly widespread light/moderate rainfall very likely over Bihar, Jharkhand, north Odisha and West Bengal & Sikkim on 23<sup>rd</sup> & 24<sup>th</sup> with maximum activity on 23<sup>rd</sup> January. **Isolated thunderstorm/lightning/hail** very likely over these areas during next 24 hours.
- ✓ Fairly widespread/widespread light/moderate rainfall very likely over Northeast India during 23<sup>rd</sup>-25<sup>th</sup> January. **Isolated thunderstorm/lightning/hailstorm** very likely over Assam & Meghalaya and Nagaland during next 48 hours.
- ✓ Dust raising winds (speed 20-30 kmph) very likely at isolated places over north Konkan during next 12 hours.

### Fog and Cold Day:

- ✓ Fall in minimum temperatures by 3-4°C over most parts of Northwest India & Madhya Pradesh during next 24 hours and by 2-3°C during subsequent 2 days.
- ✓ Fall in minimum temperatures by 2-4°C over Gujarat state and Maharashtra during next 3 days.
- ✓ No significant change in minimum temperatures over East India during next 3 days and fall by 2-4°C thereafter.
- ✓ **Dense fog conditions** very likely in isolated pockets over Punjab, Haryana-Chandigarh-Delhi, West Uttar Pradesh, Rajasthan during next 2 days and **cold day conditions** over these areas on 24<sup>th</sup> January. **Cold wave conditions** likely in isolated pockets over these areas during 25<sup>th</sup>-27<sup>th</sup> January.
- ✓ **Dense fog conditions** very likely in isolated pockets Madhya Pradesh during next 3 days and **cold day conditions** on 25<sup>th</sup> & 26<sup>th</sup> January.

**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 over Uttarakhand on 23<sup>rd</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 kutchra 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, Bihar, Jharkhand, West Bengal & Sikkim, Assam-Meghalaya, Nagaland-Manipur-Tripura-Mizoram on 23<sup>rd</sup> January, 2022.**

**A. Impact expected:**

- Hail may damage plantation, horticulture and standing crops.
- Hail may injure people and cattle at open places.

**B. 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

