



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release

Date: 22nd January, 2022

Time of Issue: 1300 hrs IST

Subject: I) Wet spell over Northwest and adjoining Central India during 22nd-23rd; over East India during 23rd-24th and over Northeast India during 23rd-25th January, 2022.

II) Northeast Monsoon rains over Tamilnadu-Puducherry-Karaikal, Kerala-Mahe and adjoining areas of Coastal Andhra Pradesh-Yanam, Rayalaseema and South Interior Karnataka have ceased from today, the 22nd January, 2022.

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

- **Cold Day conditions** prevailed in isolated pockets over East Uttar Pradesh.
- Light/moderate scattered to Fairly Widespread rainfall has been reported over Rajasthan, Punjab, Haryana-Chandigarh-Delhi, West Uttar Pradesh and the Western Himalayan Region.
- Minimum temperatures are above normal by 5-7°C over Gujarat; 3-5°C over Rajasthan, Punjab, Haryana & Madhya Pradesh and by 1-2°C over Uttar Pradesh, Bihar, Odisha, Chhattisgarh, Jharkhand and West Bengal and near normal over rest parts of north India.
- **Very Dense Fog** prevailed in isolated pockets over East Uttar Pradesh; **Dense Fog** in isolated pockets over East Rajasthan, Jharkhand and Coastal Andhra Pradesh.

Synoptic Situations:

- A Western Disturbance (WD) lies as a cyclonic circulation over north Pakistan & neighbourhood with a trough aloft roughly along Long. 65°E to the north of Lat. 28°N in mid & upper tropospheric levels. It is very likely to persist over the same region during next 24 hours and move eastwards thereafter.
- An induced Low Pressure Area lies over central parts of West Rajasthan & neighbourhood with associated cyclonic circulation extending upto lower tropospheric levels.

Forecast & Warnings:

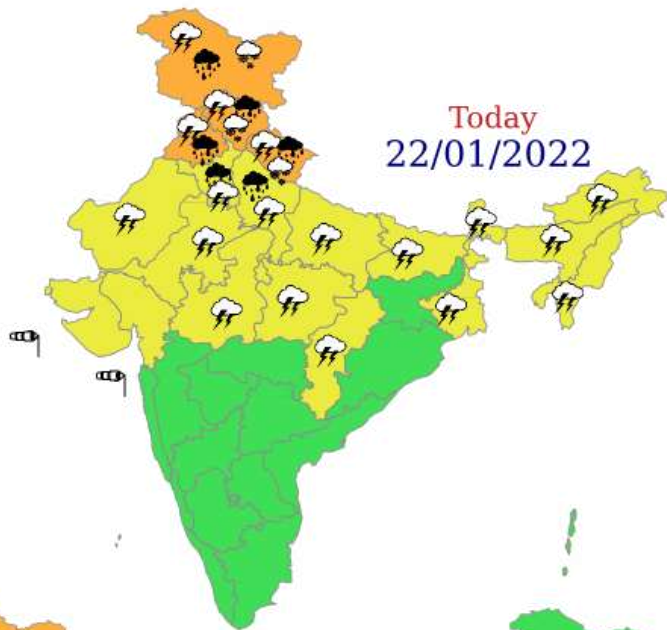
- ✓ Widespread light/moderate rainfall/snowfall accompanied with **isolated thunderstorm/lightning/hailstorm** very likely over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh & Uttarakhand on 22nd & 23rd and

- reduce thereafter to isolated/scattered rainfall/snowfall. Isolated **Heavy rainfall/snowfall** very likely over Jammu- Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand on 22nd & 23rd January.
- ✓ Fairly widespread/widespread light/moderate rainfall accompanied with isolated thunderstorm/lightning/**hailstorm** very likely over Punjab, Haryana-Chandigarh-Delhi, Uttar Pradesh on 22nd & 23rd January and reduce thereafter to isolated rainfall. Isolated **Heavy rainfall** likely over Punjab, Haryana and Northwest Uttar Pradesh on 22nd January.
 - ✓ Scattered to fairly widespread rainfall with thunderstorm/lightning very likely over Bihar, Jharkhand and West Bengal & Sikkim during 22nd-24th with maximum activity on 23rd January. **Isolated thunderstorm with lightning & hail** very likely over Bihar, Sub-Himalayan West Bengal on 22nd & 23rd and over Jharkhand, Chhattisgarh and Gangetic West Bengal on 23rd January, 2022.
 - ✓ Isolated/scattered light rainfall over Rajasthan, Madhya Pradesh and Chhattisgarh on 22nd & 23rd January. **Isolated thunderstorm with lightning & hail** very likely over Madhya Pradesh 22nd January 2022.
 - ✓ Occasional strong surface winds (15-20 kmph) very likely over Punjab, Haryana-Chandigarh-Delhi and Uttar Pradesh on 22nd & 23rd January 2022.
 - ✓ Fairly widespread/widespread light/moderate rainfall very likely over Northeast India during 23rd-25th January. **Isolated thunderstorm with lightning** very likely over the region during next 3 days and isolated hailstorm on 23rd January.
 - ✓ **Strong wind** (speed 40-50 kmph gusting to 60 kmph) very likely over North & adjoining Westcentral Arabian Sea along & off Gujarat coast during next 24 hours. Fishermen are advised not to venture into these areas.

Fog and Cold Day:

- ✓ No significant change in minimum temperatures over most parts of Northwest India & Madhya Pradesh during next 2 days and fall by 4-6°C thereafter.
- ✓ No significant change in minimum temperatures over Maharashtra during next 24 hours and fall by 2-4°C thereafter.
- ✓ Fall in minimum temperatures by 4-6°C over Gujarat state during next 3 days and no significant change thereafter.
- ✓ No significant change in minimum temperatures over East India during next 5 days.

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



EXPECTED IMPACT & ACTION SUGGESTED due to isolated Heavy rainfall/snowfall Jammu & Kashmir, Uttarakhand and Himachal Pradesh on 22nd & 23rd 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, Jammu-Kashmir, Himachal Pradesh on 22nd; over Jharkhand, Chhattisgarh and Gangetic West Bengal, Assam-Meghalaya, Nagaland-Manipur-Tripura-Mizoram on 23rd and over Punjab, Haryana-Chandigarh-Delhi, Uttar Pradesh, Bihar and Sub-Himalayan West Bengal on 22nd & 23rd 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.

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