



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release

Date: 30th January, 2022

Time of Issue: 1230 hrs IST

Subject: Wet Spell over Northwest, East & Northeast India during 02nd-04th February, 2022.

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

- **Minimum temperatures** are below normal by 4-6°C over most parts of Madhya Pradesh, Vidarbha, Marathwada, north Odisha and normal over most parts of Punjab, Haryana-Chandigarh-Delhi, Uttar Pradesh, Rajasthan, Gujarat, Chhattisgarh, Bihar, Jharkhand and West Bengal.
- **Maximum temperatures** are below normal by 2-4°C over most parts of Uttar Pradesh, Madhya Pradesh, Vidarbha, Telangana, Odisha, Bihar, Jharkhand, Gangetic West Bengal and normal over most parts of Punjab, Haryana-Chandigarh-Delhi, Rajasthan, Gujarat and Chhattisgarh.
- **Cold Day to Severe Cold Day conditions** prevailed in isolated pockets over north Uttar Pradesh and **Cold Day conditions** at isolated pockets over East Madhya Pradesh & Vidarbha.
- **Cold Wave conditions** prevailed in isolated pockets over Madhya Pradesh, Vidarbha and north Odisha.
- **Dense to very dense fog** in isolated pockets over Uttarakhand, terai area of East Uttar Pradesh, Punjab, Bihar and Assam & Meghalaya.

Weather Systems:

- A feeble Western Disturbance as a trough in middle tropospheric westerlies runs along Long.70°E to the north of Lat. 33°N. It is very likely to cause isolated rainfall/snowfall over Jammu-Kashmir-Ladakh till 01st February, 2022.
- **An active Western Disturbance is very likely to affect Northwest India from 02nd February, 2022. An induced cyclonic circulation is likely to form over southwest Rajasthan & neighbourhood on 03rd February, 2022. In addition, moisture feeding from Arabian Sea to northwest India at lower & middle tropospheric levels is also very likely on 02nd & 03rd February, 2022.**
- **Another Western Disturbance likely to affect Western Himalayan Region from 06th February, 2022.**

Rainfall Forecast & Warnings:

- Isolated to scattered light/moderate rainfall very likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland-Manipur-Mizoram-Tripura during 31st January to 03rd with increased activity on 01st February, 2022.

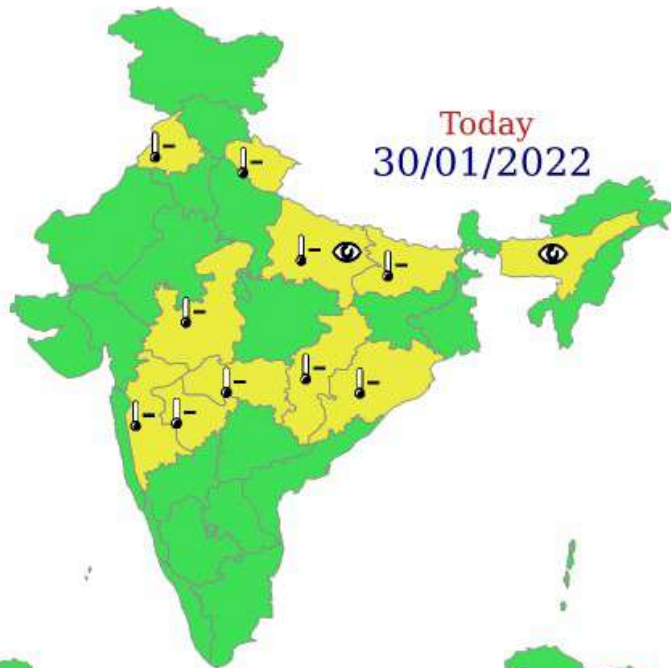
- Isolated light rainfall very likely over Tamilnadu-Puducherry-Karaikal during next 48 hours and Kerala-Mahe during next 5 days.
- Light isolated rainfall/snowfall is likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during next 3 days and increase thereafter.
- Surface winds (speed 15-25 kmph) likely over Punjab, Haryana, Delhi and Uttar Pradesh during next 2 days.
- **Under the influence of a fresh active Western Disturbance & its induced cyclonic circulation;** fairly widespread to widespread light/moderate rainfall/snowfall very likely over Western Himalayan Region during 02nd to 04th February. **Isolated hailstorm likely over the region on 03rd February, 2022.**
- Due to interaction between mid-tropospheric southwesterlies associated with the above Western Disturbance and lower level southeasterlies from the Bay of Bengal:
 - Scattered to fairly widespread light/moderate rainfall very likely over Punjab, Haryana, Chandigarh, Delhi and Uttar Pradesh during 02nd to 04th February. **Isolated hailstorm likely over Punjab, Haryana and northwest Uttar Pradesh on 03rd February.**
 - Scattered to fairly widespread light/moderate rainfall with thunderstorm/lightning likely over Bihar, Jharkhand, West Bengal & Sikkim on 03rd & 04th and over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 04th & 05th February, 2022.

Cold Wave, Fog and Cold Day Warning:

- Gradual rise by 3-5°C in minimum temperatures likely over most parts of Northwest, Central, East & Northeast India till 03rd February and fall by 3-4°C thereafter.
- Gradual rise by 2-4°C in minimum temperatures very likely over Gujarat during next 4 days and fall thereafter.
- **Cold wave conditions** in isolated pockets very likely over Punjab, southern parts of West Madhya Pradesh, Vidarbha, Chhattisgarh, Odisha, north Madhya Maharashtra and Marathawada during next 24 hours and abate from tomorrow. **Cold day conditions** in isolated pockets very likely over Uttarakhand, Bihar and East Uttar Pradesh during next 24 hours and abate from tomorrow.
- **Dense Fog conditions** in isolated pockets in night/morning hours very likely over Terai belt of East Uttar Pradesh during next 24 hours and over west Assam & Meghalaya during next 2 days; over Gangetic West Bengal on 01st & 02nd February and over Odisha on 03rd February.

For more details refer:

https://mausam.imd.gov.in/imd_latest/contents/subdivisionwise-warning.php



Today
30/01/2022



Tomorrow
31/01/2022



01/02/2022



02/02/2022



03/02/2022

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)



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

