



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

**Press Release
Date: 28th January, 2023
Time of Issue: 1240 hours IST**

**Subject: i) Wet Spell over northwest India during 29th-30th January, 2023.
ii) Intensification of low pressure area over Southeast Bay of Bengal and adjoining East Equatorial Indian Ocean into a Depression over southwest Bay of Bengal around 31st January, 2023.**

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

- ❖ **Light rainfall** at isolated places over Gujarat State and Andaman & Nicobar Islands.
- ❖ **The minimum temperatures are in the range of 3-6°C** at many parts of Haryana, Chandigarh & Delhi and East Rajasthan; at a few places over Punjab and West Rajasthan and at isolated places over West Madhya Pradesh. The **Lowest Minimum temperature of 1.1°C** has been observed over **Churu** (West Rajasthan).
- ❖ **Cold wave to Severe Cold Wave** prevailed in isolated pockets over West Rajasthan and **Cold wave** in isolated pockets over Punjab, south Haryana and East Rajasthan.
- ❖ **Dense Fog** in isolated pockets over Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim and Tripura.

❖ **Weather Systems and associated rainfall/snowfall: (Annexure I).**

- ❖ A **Western Disturbance** seen as a trough in middle tropospheric westerlies runs along Long. 56°E to the north of Lat. 22°N. it is very likely to move eastwards and high moisture feeding from Arabian Sea is very likely on 29th & 30th January, 2023. Under its influence:

- ✓ **Light/moderate fairly widespread to widespread rainfall/snowfall** very likely over Western Himalayan Region ; **light/moderate scattered to fairly widespread rainfall** over Punjab, Haryana, Chandigarh and West Uttar Pradesh on 29th & 30th; **light/moderate isolated to scattered rainfall** over East Uttar Pradesh 29th & 30th and over Rajasthan 28th & 29th; **Isolated light rainfall** also likely over Delhi on 29th January, 2023.
- ✓ **Isolated heavy rainfall/snowfall** very likely over Western Himalayan Region on 29th & 30th January 2023.

- ✓ **Isolated hailstorm** very likely over Himachal Pradesh, Uttarakhand, Punjab, Haryana and West Uttar Pradesh on 29th & 30th; over East Rajasthan on 28th & 29th and over West Rajasthan on 29th January, 2023.
- ✓ **Strong Surface Winds 20-30 kmph** likely to prevail over northwest India on 29th & 30th January, 2023.
- ❖ The **low pressure** area lay over Southeast Bay of Bengal and adjoining East Equatorial Indian Ocean. Associated cyclonic circulation extends upto middle tropospheric levels. It is very likely to move gradually west-north westwards and become **Well-Marked Low Pressure** area during next 24 hours. Thereafter, it would continue to move west-north westwards, intensify further into a **Depression** around 31st Jan over southwest Bay of Bengal and reach near Sri Lanka coast around 1st February.

Fishermen are advised not to venture into these areas:- (Annexure II).

- ✓ Squally weather (wind speed reaching 40-45 gusting 55 kmph) likely over Southeast Bay of Bengal on 27th & 28th; over Southwest & adjoining Southeast Bay of Bengal 29th & 30th January 2023.
- ✓ Squally wind (speed reaching 45-55 gusting to 65 kmph) likely over Southwest & adjoining Southeast Bay of Bengal and squally weather (wind speed reaching 40-45 gusting 55 kmph) over Southwest Bay of Bengal & along & off Sri-Lanka coast on 31st January 2023.
- ✓ Squally wind (speed reaching 40-45 gusting 55 kmph) over Southwest Bay of Bengal & along & off north Sri Lanka, south Tamil Nadu coast. Squally weather (wind speed reaching 45-55 gusting to 65 kmph) likely over Sri Lanka, Southwest Bay of Bengal and Gulf of Mannar and Comorin area on 01st February 2023.

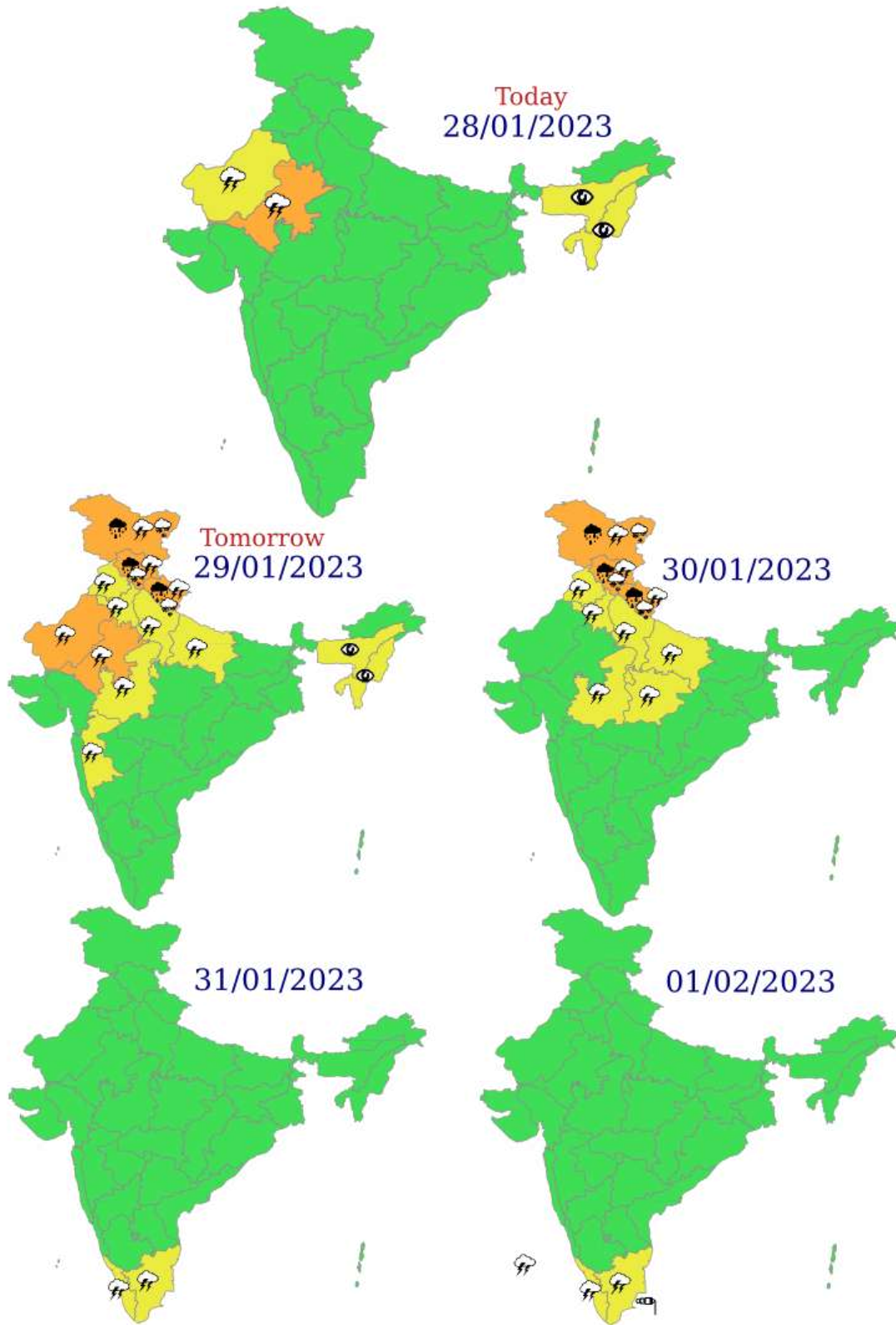
Minimum Temperature Forecast and Fog Warning:

- ❖ Rise in minimum temperatures by 4-6°C likely over many parts of Northwest India during next 48 hours and no significant change in minimum temperatures during subsequent 24 hours and fall by 2-4°C thereafter. Rise in minimum temperatures by 2-4°C likely over many parts of Madhya Pradesh during next 03 days and fall by 2-4°C thereafter. No significant change in minimum temperatures likely over rest parts of the country during next 5 days.
- ❖ **Dense fog conditions** very likely in morning/night hours at isolated pockets over Assam & Meghalaya, Mizoram & Tripura during next 02 days.

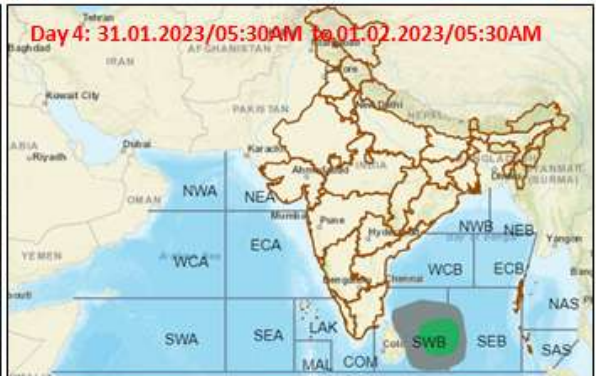
For more details kindly refer:

https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php

Annexure I



Fishermen warning graphics



Squally WX with wind speed 40-45 kmph gusting to 55 kmph

Squally wind speed 45-55 kmph gusting to 65 kmph

Fishermen are advised not to venture into the marked areas.

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:** Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and 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

