



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

**Press Release  
Date: 27<sup>th</sup> January, 2023  
Time of Issue: 1330 hours IST**

**Subject: Wet Spell over northwest India during 29<sup>th</sup>-30<sup>th</sup> January, 2023.**

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

- ❖ **Light rainfall/snowfall** occurred at a few places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad and **Light rainfall** at isolated places over Uttar Pradesh, Madhya Pradesh, Andaman & Nicobar Islands, Madhya Maharashtra, Marathwada and Tamil Nadu, Puducherry & Karaikal.
- ❖ **The minimum temperatures are in the range of 3-6°C** at many parts of Haryana, Chandigarh & Delhi; at a few places over Punjab and at isolated places over Rajasthan. The **Lowest Minimum temperature of -0.5°C** has been observed over **Churu** (West Rajasthan).
- ❖ **Severe Cold Wave** prevailed in isolated pockets over West Rajasthan and **Cold wave** in isolated pockets over Punjab and East Rajasthan.
- ❖ **Very Dense fog** in isolated pockets observed over Uttarakhand and **Dense fog** in some areas over Himachal Pradesh; in isolated pockets over Assam & Meghalaya, Mizoram & Tripura and Gangetic West Bengal.

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

- ❖ A **fresh Western Disturbance** seen as a trough in middle tropospheric westerlies runs along Long. 52°E to the north of Lat. 24°N. it is very likely to move eastwards and high moisture feeding from Arabian Sea is very likely on 29<sup>th</sup> & 30<sup>th</sup> 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 29<sup>th</sup> & 30<sup>th</sup>; **light/moderate isolated to scattered rainfall** over East Uttar Pradesh 29<sup>th</sup> & 30<sup>th</sup> and over Rajasthan 28<sup>th</sup> & 29<sup>th</sup>; **Isolated light rainfall** also likely over Delhi on 29<sup>th</sup> January, 2023.
  - ✓ **Isolated heavy rainfall/snowfall** very likely over Western Himalayan Region on 29<sup>th</sup> & 30<sup>th</sup> January 2023.
  - ✓ **Isolated hailstorm** very likely over Western Himalayan Region, Punjab, Haryana and West Uttar Pradesh on 29<sup>th</sup> & 30<sup>th</sup>; over East Rajasthan on 28<sup>th</sup> & 29<sup>th</sup> and over West Rajasthan on 29<sup>th</sup> January, 2023.

- ✓ **Strong Surface Winds 20-30 kmph** likely to prevail over northwest India on 29<sup>th</sup> & 30<sup>th</sup> January, 2023.
- ✓ **Ground frost** very likely at isolated places over Rajasthan on 28<sup>th</sup> January 2023.
- ❖ The **low pressure** area over East Equatorial Indian Ocean and adjoining Southeast Bay of Bengal now lies 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 2 days. Thereafter, it would continue to move west-north westwards, intensify further into a **Depression** around 31<sup>st</sup> Jan over southwest Bay of Bengal and reach near Sri Lanka coast around 1<sup>st</sup> 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 27<sup>th</sup> & 28<sup>th</sup>; over Southwest & adjoining Southeast Bay of Bengal 29<sup>th</sup> & 30<sup>th</sup> 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 31<sup>st</sup> January 2023

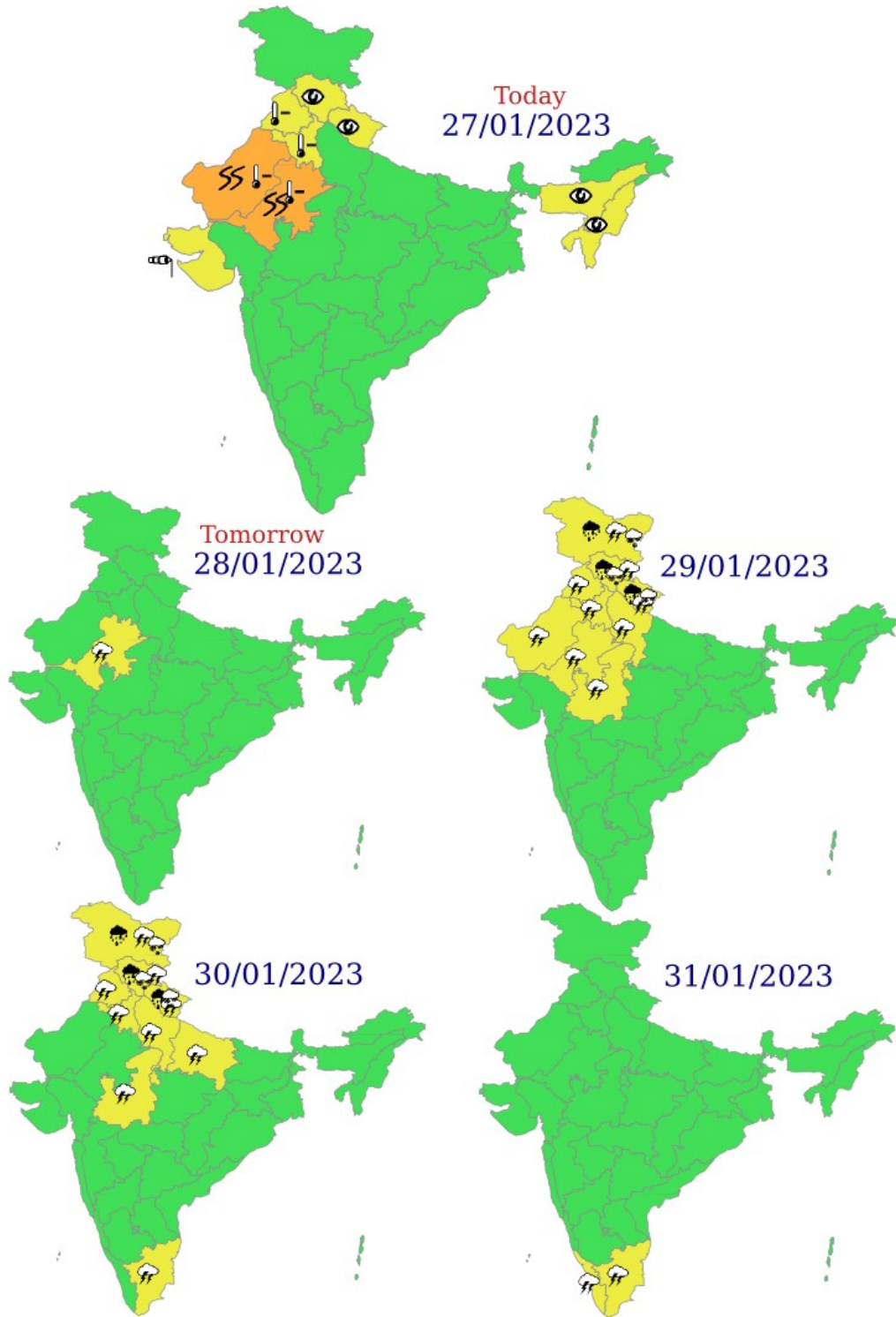
#### **Minimum Temperature Forecast, Cold wave and Fog Warning:**

- ❖ **No significant change in minimum temperatures likely over many parts of Northwest India during next 24 hours and rise by 4-6°C during subsequent 48 hours and no significant change thereafter.** No significant change in minimum temperatures likely over rest parts of the country during next 5 days.
- ❖ **Severe Cold Wave conditions** very likely at isolated pockets over Rajasthan on 28<sup>th</sup> and **Cold Wave conditions** in isolated pockets over Punjab and Haryana on 28<sup>th</sup> January.
- ❖ **Dense fog conditions** very likely in morning/night hours at isolated pockets over Himachal Pradesh, Uttarakhand, Assam & Meghalaya, Mizoram & Tripura during next 24 hours.

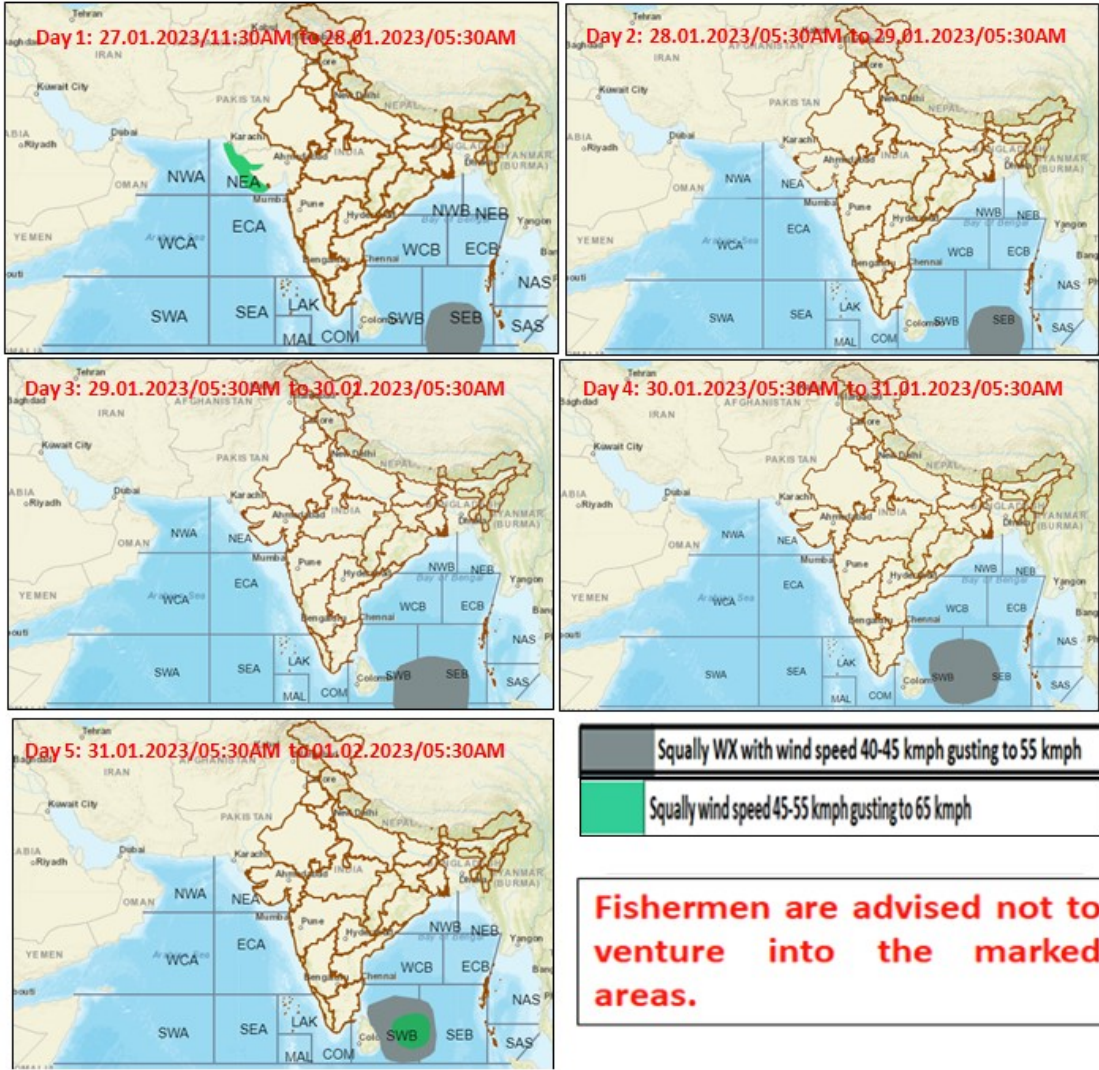
For more details kindly refer:

[https://mausam.imd.gov.in/imd\\_latest/contents/all\\_india\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php)

Annexure I



**Fishermen warning graphics**





**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.

<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

 Heavy Rain	 Heavy Snow	 Thunderstorm	 Dust Storm
 Strong Winds	 Visibility	 Cyclone	 Squall/ Hail
 Frost	 Cold Wave	 Heat Wave	 Sea State