



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

**Press Release  
Date: 29<sup>th</sup> January, 2023  
Time of Issue: 1300 hours IST**

**Subject: i) Wet Spell over northwest India during 29<sup>th</sup>-30<sup>th</sup> January, 2023.  
ii) Well-marked Low pressure area over Southeast Bay of Bengal & adjoining East Equatorial Indian Ocean.**

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

- ❖ **Light rainfall** at a few places over East Rajasthan and Gujarat Region and at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, West Rajasthan, West Madhya Pradesh, Saurashtra & Kutch, Coastal Andhra Pradesh & Yanam, Andaman & Nicobar Islands.
- ❖ **Significant rainfall** observed (in cm): Udaipur-3; Bhilwara, Bundi, Erinpura and Deesa-1 each.
- ❖ **The minimum temperatures are in the range of 6-10°C** at many parts of Punjab, Haryana, Chandigarh & Delhi and Uttar Pradesh; at some places over Bihar and Rajasthan; and at isolated places over north Madhya Pradesh. The **Lowest Minimum temperature of 4.0°C** has been observed over **Hissar** (Haryana).

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

- ❖ An intense **Western Disturbance** lies over Afghanistan & neighbourhood. There is high moisture feeding from Arabian Sea over northwest India and would continue till tomorrow, the 30<sup>th</sup> January, 2023. Under its influence:
  - ✓ **Light/moderate 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 and over Rajasthan 29<sup>th</sup> & 30<sup>th</sup>; **Isolated very light rainfall/drizzle** also likely over Delhi on today the 29<sup>th</sup> and morning hours of 30<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 Himachal Pradesh, Punjab, Haryana, Chandigarh, West Uttar Pradesh & Rajasthan on 29<sup>th</sup> and over Uttarakhand on 29<sup>th</sup> & 30<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.
  - ❖ The **Well Marked Low Pressure Area** over Southeast Bay of Bengal & adjoining East Equatorial Indian Ocean persists. The associated cyclonic circulation extends upto middle tropospheric levels. It is very likely to move west-north westwards, intensify further into a **Depression** around 30th January over southwest Bay of Bengal and reach near Sri Lanka coast around 01st February.
- (i) Rainfall:**
- ✓ Light/moderate rainfall at most places with isolated heavy rainfalls very likely over south Tamil Nadu on 1<sup>st</sup> February.

**(ii) Wind warning: (Annexure II).**

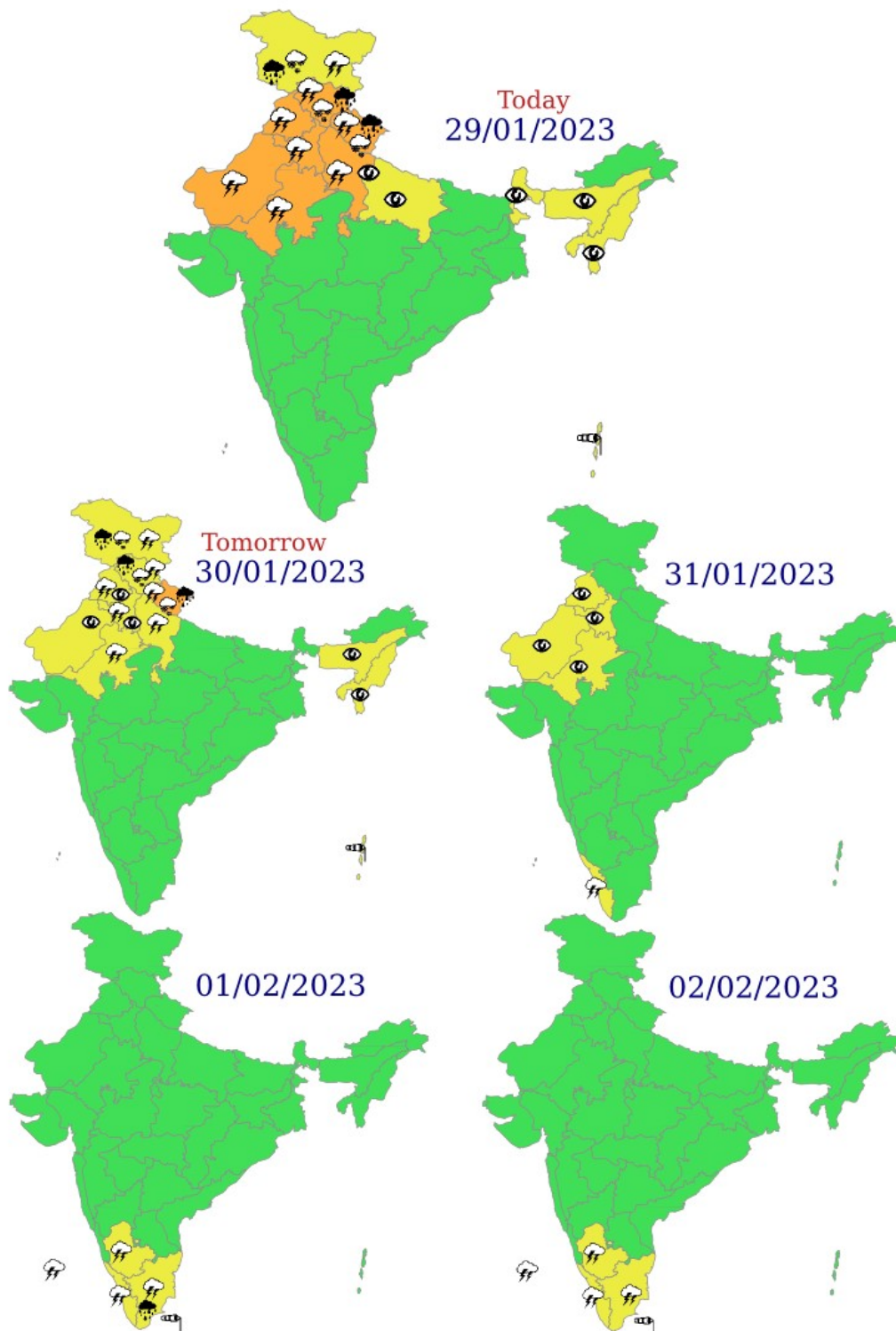
- ✓ **Squally weather with wind speed reaching 40-45 kmph gusting to 55 kmph** very likely over Southeast and adjoining Southwest Bay of Bengal & south Andaman Sea on 29<sup>th</sup> & 30<sup>th</sup> January.
- ✓ **Squally wind speed reaching 45-55 kmph gusting to 65 kmph** likely over Southwest and adjoining Southeast Bay of Bengal on 30<sup>th</sup> & 31<sup>st</sup> January.
- ✓ **Squally weather with wind speed reaching 40-45 kmph gusting to 55 kmph** over Southwest Bay of Bengal along & off Sri Lanka coast during 30th January to 2<sup>nd</sup> February and over Gulf of Mannar and Comorin area along and off south Tamil Nadu coast during 1<sup>st</sup> to 2<sup>nd</sup> February.

**Minimum Temperature Forecast and Fog Warning:**

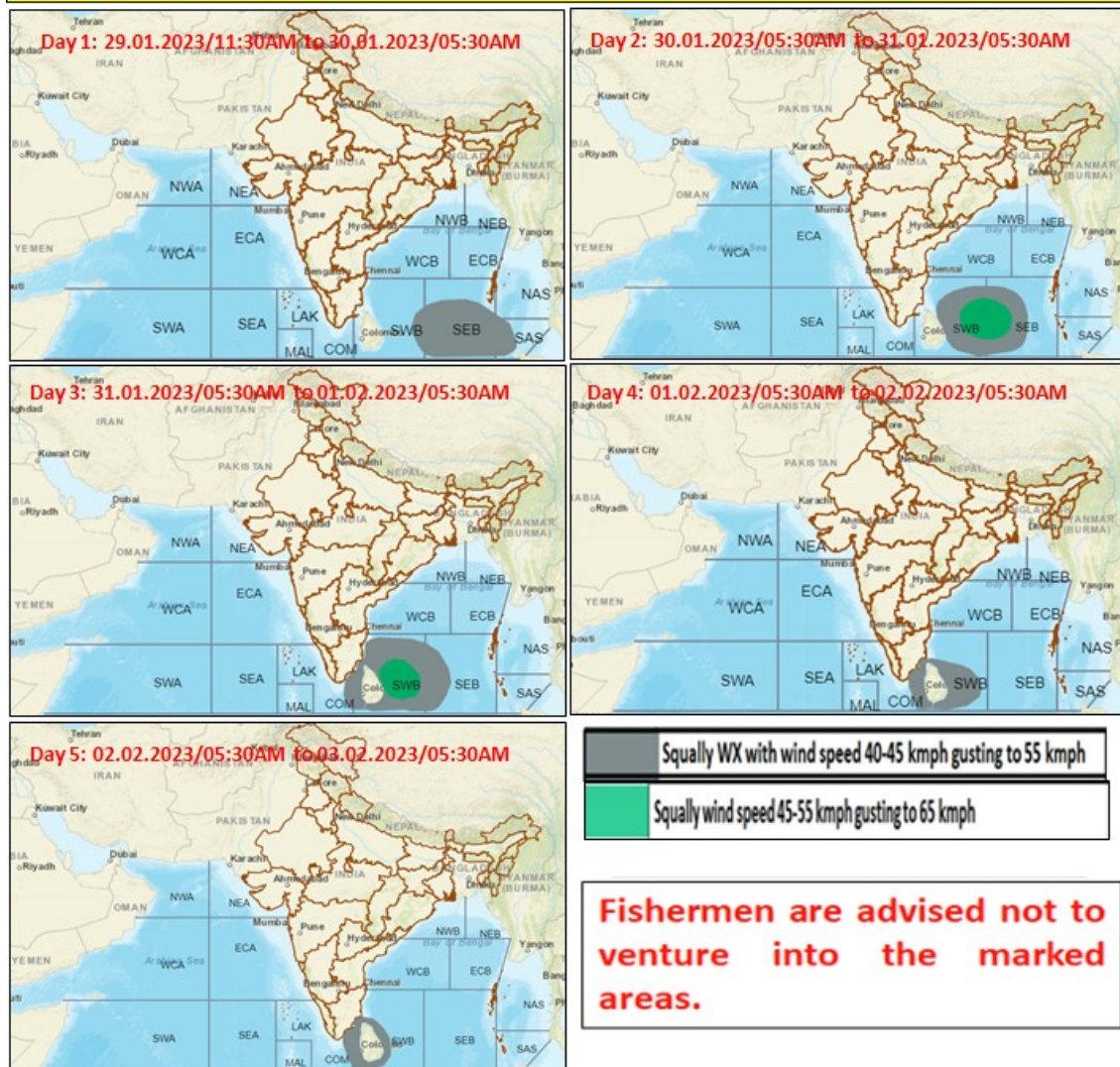
- ❖ No significant change in minimum temperatures very likely over many parts of Northwest India during next 24 hours, fall by 3-5°C during subsequent 48 hours and no significant change thereafter. Rise in minimum temperatures by 2-3°C very likely over many parts of East India during next 48 hours and fall by 2-4°C thereafter. Fall in minimum temperatures by 2-4°C very likely over many parts of Maharashtra & Gujarat state during next 48 hours and no significant change thereafter.
- ❖ **Very Dense fog conditions** in morning/night hours very likely over Punjab and Haryana, Chandigarh & Delhi on 30<sup>th</sup> and **Dense fog conditions** at isolated pockets over Uttar Pradesh and Sub-Himalayan West Bengal & Sikkim on 29<sup>th</sup>; Assam & Meghalaya, Mizoram & Tripura on 29<sup>th</sup> & 30<sup>th</sup>; over West Rajasthan on 30<sup>th</sup> & 31<sup>st</sup> and over Punjab, Haryana, Chandigarh & Delhi and East Rajasthan on 31<sup>st</sup> January, 2023.

For more details kindly refer:

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



**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)

**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

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