



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

**Press Release**  
**Date: 30<sup>th</sup> January, 2023**  
**Time of Issue: 1300 hours IST**

**Subject: i) Significant reduction in rainfall over northwest India from tomorrow, the 31<sup>st</sup> January, 2023.**  
**ii) Depression over Southeast & adjoining Southwest Bay of Bengal.**

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

- ❖ **Light to moderate rainfall** occurred **at most places** over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh and East Rajasthan; **at many places** over Punjab, Haryana, Chandigarh & Delhi and Andaman-Nicobar Islands; **at a few places** over Uttarakhand, West Rajasthan, West Uttar Pradesh; **at isolated places** over Gujarat State, West Madhya Pradesh, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh, Rayalaseema and Tamil Nadu. Isolated **heavy rainfall** also reported over Rajasthan.
- ❖ **Significant rainfall observed (in cm): East Rajasthan:** Amet-8, Jawaja-7, Nainwa & Tatgarh-6 each; **West Rajasthan:** Parbatsar-8, Desuri-4; **Himachal Pradesh:** Khadralla-6, Wangatoo, Kothi- 5 each, Sangla, Kalpa, Dalhousi Alha -4 each, Manali, Kotkhai-3 each; **Jammu & Kashmir:** Batote-4, Baderwah, Srinagar & Gulmarg-3 each; **Uttarakhand:** Chakrata, Tiuni & Purola-4 each; **Punjab:** Pathankot, Kapurthala & Gurdaspur-3 each; **Haryana-Chandigarh-Delhi:** Nuh, Gurgaon, Mahendragarh, Rewari, Palam & Ayanagar-3 each, Safdarjung, Lodi Road & Ridge-2 each; **West Madhya Pradesh:** Malhargarh-3; **West Uttar Pradesh:** Amroha, Aligarh, Agra, Bijnor-2 each; **Tamilnadu:** Sirkali, Sembanarkoil, Chidambaram -2 each.
- ❖ **The minimum temperatures** are above 10°C over most parts of plains of Northwest India. The **Lowest Minimum temperature** of **5.8°C** has been observed over **Phalodi (West Rajasthan)**.

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

- ❖ Yesterday's intense **Western Disturbance** has weakened and now seen as a trough roughly along 69°E to the north of 20°N. The high moisture feeding from Arabian Sea has reduced as compared to yesterday. Under its influence:
  - ✓ **Light/moderate widespread rainfall/snowfall** very likely to continue over Western Himalayan Region; **light isolated/scattered rainfall** over Punjab, Haryana, Chandigarh, Uttar Pradesh, East Rajasthan and Madhya Pradesh during next 24 hours and dry weather over the region thereafter.
  - ✓ **Isolated heavy rainfall/snowfall** very likely over Himachal Pradesh and Uttarakhand on 30<sup>th</sup> January 2023.
  - ✓ **Strong Surface Winds 20-30 kmph** likely to prevail over plains of northwest India during 30<sup>th</sup> January-01<sup>st</sup> February, 2023.
- ❖ The **Well Marked Low Pressure Area** over Southeast Bay of Bengal & adjoining East Equatorial Indian Ocean moved west-northwestwards, concentrated into a depression and lay centered at 0830 hours IST of today, the 30<sup>th</sup> January, 2023 over Southeast & adjoining Southwest Bay of Bengal near latitude 7.7°N and longitude 87.2°E, about 670 km east-southeast of Trincomalee (Sri Lanka) and 880 km east-southeast of Karaikal (India). It is very likely to move west-northwestwards till evening of 31<sup>st</sup> January then recurve south-southwestwards and cross Sri Lanka coast in the forenoon of 01<sup>st</sup> February 2023. Under its influence, following weather is expected:

**(i) Rainfall:**

✓ Light/moderate rainfall at most places with isolated heavy rainfalls very likely over south Tamil Nadu on 1<sup>st</sup> & 2<sup>nd</sup> February.

**(ii) Wind warning:**

✓ **Squally wind with speed reaching 45-55 kmph gusting to 65 kmph** is very likely over Southeast Bay of Bengal on 30<sup>th</sup> January.

✓ **Squally wind with speed reaching 45-55 kmph gusting to 65 kmph** is likely over Southwest Bay of Bengal during 30<sup>th</sup> January to 1<sup>nd</sup> February. It would gradually decrease becoming **40-50 kmph gusting to 60 kmph** on 2<sup>nd</sup> February.

✓ **Squally wind with speed reaching 45-55 kmph gusting to 65 kmph** is likely along & off Sri Lanka coast during 30<sup>th</sup> January to 1<sup>nd</sup> February. It would gradually decrease becoming **40-50 kmph gusting to 60 kmph** on 2<sup>nd</sup> February.

✓ **Squally wind speed reaching 40-50 kmph gusting to 60 kmph over** Gulf of Mannar and Comorin area and along & off south Tamil Nadu & Karaikal coasts during 1<sup>st</sup> to 2<sup>nd</sup> February.

✓ **Strong wind speed reaching 30-40 kmph gusting to 50 kmph** along & off north Tamil Nadu & Puducherry coasts during 1<sup>st</sup> to 2<sup>nd</sup> February.

**(iii) Sea condition:**

**Sea condition is likely to be rough to very rough**

✓ over Southeast Bay of Bengal on 30<sup>th</sup> January.

✓ over Southwest Bay of Bengal during 30<sup>th</sup> January to 2<sup>nd</sup> February.

✓ Along & off Sri Lanka coast during 31<sup>st</sup> January to 2<sup>nd</sup> February.

✓ over Gulf of Mannar and adjoining Comorin area and along & off south Tamil Nadu coast during 1<sup>st</sup> and 2<sup>nd</sup> February.

**Sea condition is likely to be moderate to rough** along and off north Tamil Nadu & Puducherry coasts during 1<sup>st</sup> and 2<sup>nd</sup> February.

**(iv) Fishermen Warning (Annexure II):**

Fishermen are advised not to venture into;

❖ Southeast Bay of Bengal from 30<sup>th</sup> January.

❖ Southwest Bay of Bengal, Gulf of Mannar, Comorin Area and along & off Sri Lanka and south Tamil Nadu & Karaikal coasts till 2<sup>nd</sup> February.

Fishermen out at sea off Tamil Nadu coasts are advised to return to the coasts by 31<sup>st</sup> January.

**Minimum Temperature Forecast:**

❖ Fall by 2-3°C in minimum temperatures very likely over many parts of Northwest India till 01<sup>st</sup> February and rise by 2-4°C thereafter. Rise in minimum temperatures by 2-4°C very likely over many parts of East India till 01<sup>st</sup> February and fall by 2-4°C thereafter.

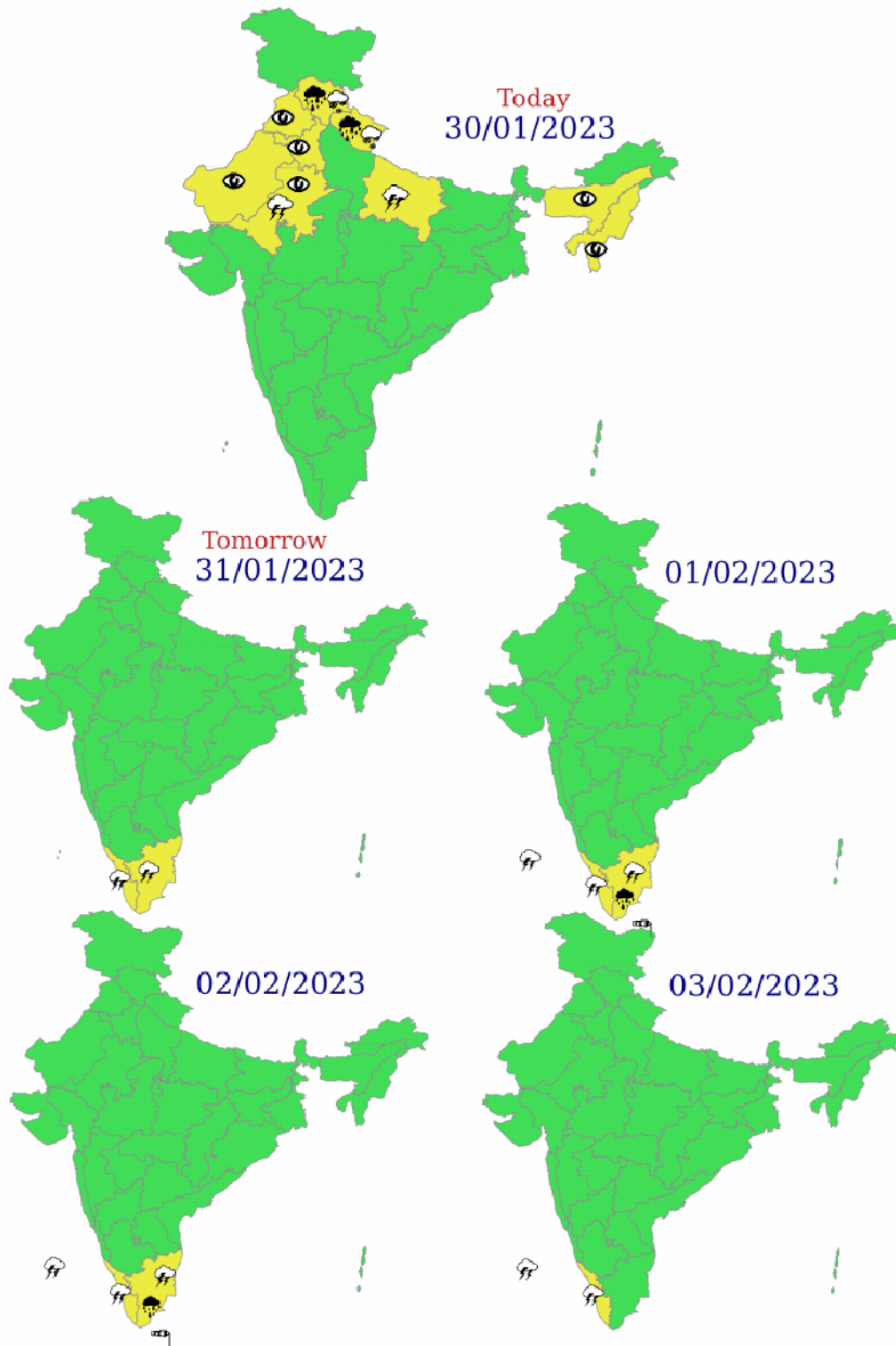
❖ Fall in minimum temperatures by 2-4°C very likely over many parts of Maharashtra and Gujarat during next 2 days and over Madhya Pradesh from 01<sup>st</sup> February during subsequent 2 days.

**Fog Warning:**

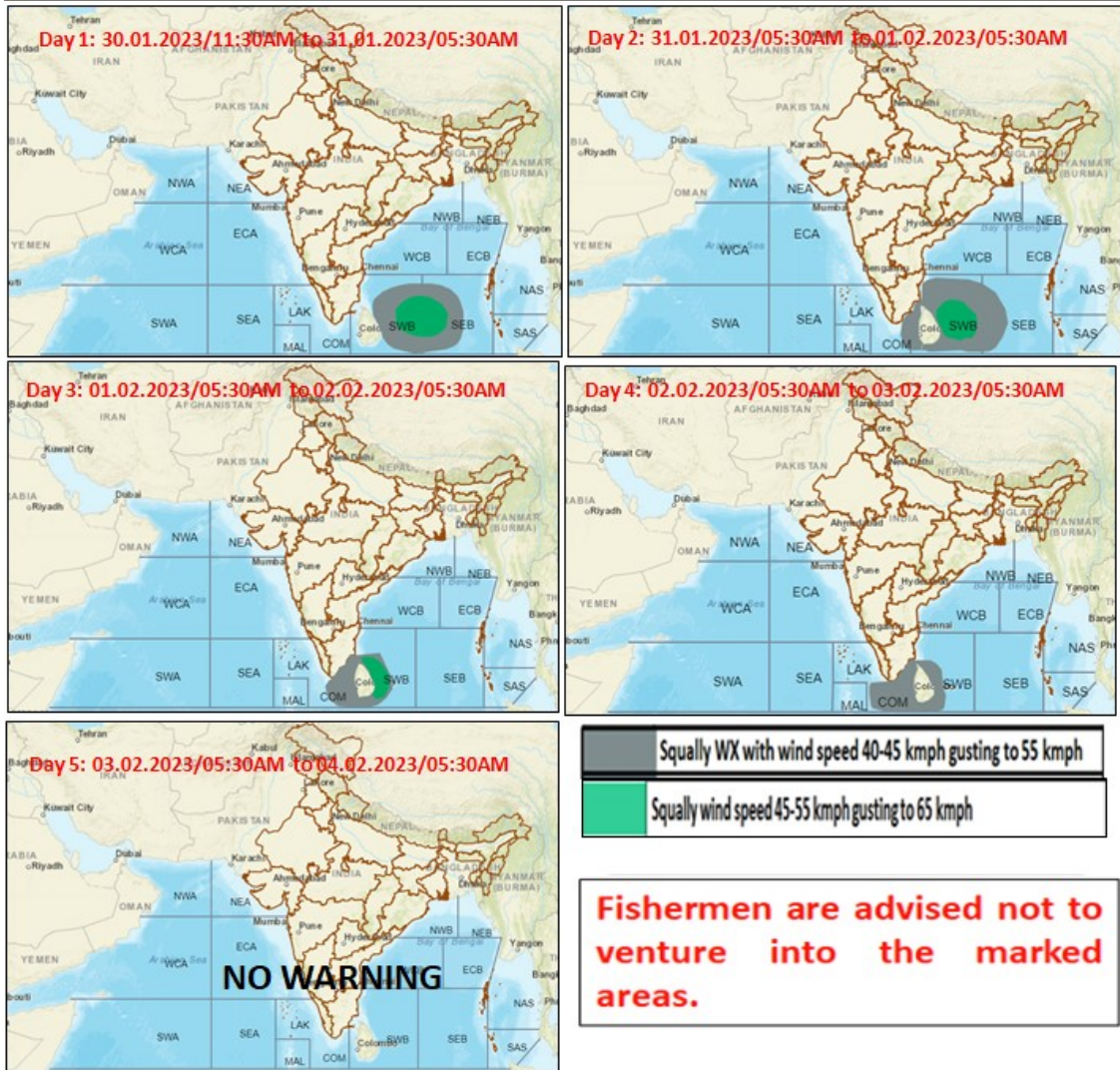
❖ **Dense fog conditions** in morning/night hours very likely over Punjab, Haryana, Chandigarh & Delhi, Rajasthan, Assam & Meghalaya, Mizoram & Tripura on 30<sup>th</sup> January, 2023.

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)



**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