



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 19th December, 2022
Time of Issue: 1330 hrs IST

Subject: (i) Dense to Very Dense Fog conditions likely to continue over Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi and Uttar Pradesh during next 4-5 days
(ii) Cold wave conditions likely to continue over Himachal Pradesh, Punjab, Haryana and north Rajasthan during next 5 days.

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

- ❖ **Minimum temperatures** are in the range of 2-4°C over Punjab and adjoining Haryana & north Rajasthan.
- ❖ **Cold wave conditions** observed in isolated pockets over Punjab, Haryana and north Rajasthan.

Weather systems and forecast & warning:

(1) Minimum Temperature, Cold wave and Fog forecast :

- ❖ **Due to moisture and light winds at lower tropospheric levels over Indo-Gangetic plains, Dense to very dense fog** in many/some pockets very likely over Punjab, Haryana, Chandigarh & Delhi, Himachal Pradesh and Uttar Pradesh in night/morning hours during next 3 days and **dense fog** in isolated pockets for subsequent 02 days; **Dense fog** in isolated pockets also very likely over Bihar and Sub-Himalayan West Bengal & Sikkim during next 2 days.
- ❖ No significant change in minimum temperatures likely over northern parts of India during next 4-5 days. No significant change in minimum temperatures likely over Gujarat state during next 3 days and fall by 2-3°C thereafter.
- ❖ **Due to dry north/northwesterly winds from Himalayas, Cold wave conditions** likely to continue in isolated pockets very likely over Himachal Pradesh, Punjab, Haryana and north Rajasthan during next 4-5 days.

(2) Low pressure area over central parts of South Bay of Bengal & adjoining East Equatorial Indian Ocean

A **Low Pressure Area** lies over central parts of South Bay of Bengal & adjoining East Equatorial Indian Ocean. It is likely to move west-northwestwards slowly towards Sri-Lanka coast during next 2 days.

Warnings:

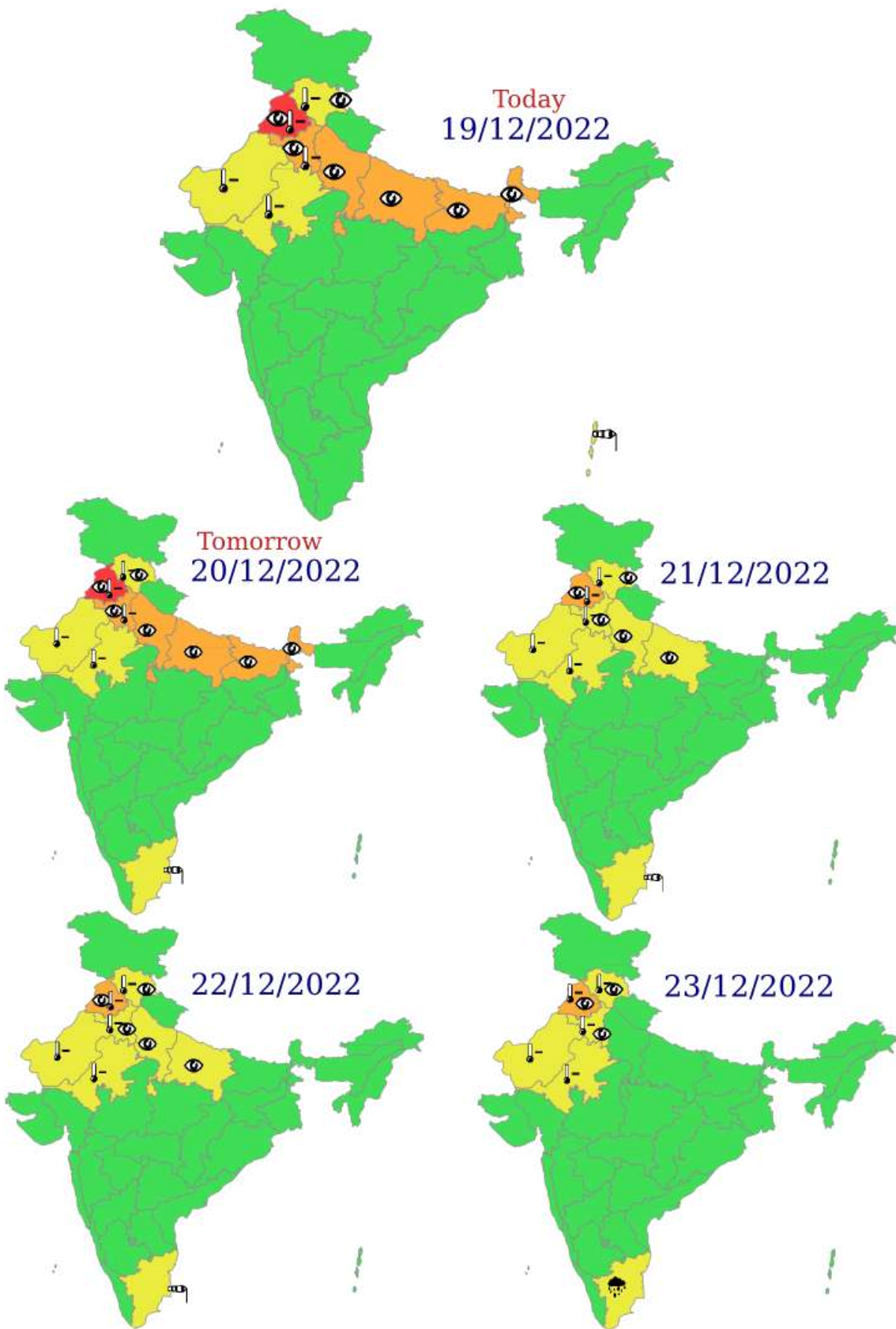
(i) Wind warning:

- ❖ **Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph** is likely over Andaman Sea Southeast Bay of Bengal on 19th December.
- ❖ **Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph** is likely to prevail over Southwest Bay of Bengal and along and off Sri-Lanka coast during 19th-20th December.
- ❖ **Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph** is likely to prevail over Southwest Bay of Bengal, Gulf of Mannar and along & off Tamil Nadu coast during 20th -22nd December.

(ii) Sea condition likely to be rough and Fishermen are advised not to be venture over the above mentioned areas during the period.

(iii) Rainfall Warning: Heavy rainfall at isolated places likely over south Tamil Nadu on 23rd December, 2022.

For more details kindly refer: https://mausam.imd.gov.in/imd_latest/contents/all_india_forcast_bulletin.php



Fishermen warning graphics



Squally WX with wind speed 35-45 kmph gusting to 55 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

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