



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

**Press Release  
Date: 18<sup>th</sup> December, 2022  
Time of Issue: 1330 hrs IST**

- Subject: (i) Well Marked Low Pressure Area over Westcentral Arabian Sea;  
(ii) Low pressure area over central parts of South Bay of Bengal & adjoining East Equatorial Indian Ocean;  
(iii) Cold wave conditions likely to continue over Himachal Pradesh, Punjab and north Rajasthan during next 3 days.**

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

- ❖ **Minimum temperatures** are in the range of 3-8<sup>o</sup>C over many parts and below normal by 1-3<sup>o</sup>C over some parts of Punjab, Haryana, Chandigarh, Delhi, north Rajasthan, West Uttar Pradesh and Madhya Pradesh.
- ❖ **Moderate rainfall** recorded at isolated places over Nicobar Islands and light rainfall at isolated places reported over Tamil Nadu, Rayalaseema and Coastal Andhra Pradesh.
- ❖ **Significant amount of rainfall** recorded (in cm): Car Nicobar (Nicobar) 5 cm.
- ❖ **Cold wave conditions** observed in isolated pockets over Punjab and north Rajasthan.

**Weather systems and forecast & warning:**

**(1) Well Marked Low Pressure Area over Westcentral Arabian Sea**

A **Well Marked Low Pressure Area** lies over Westcentral Arabian. It is very likely to move west-southwestwards and weaken slowly over the same region.

**(i) Wind warning (warning graphics enclosed)**

**Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph** is likely over Westcentral & Southwest Arabian Sea and along and off Oman & Yemen Coasts till 19<sup>th</sup> December, morning.

**(ii) Sea Condition**

Westcentral & Southwest Arabian Sea and along and off Oman & Yemen Coasts till 19<sup>th</sup> December, morning.

**(iii) Fishermen Warning**

Westcentral & Southwest Arabian Sea and along and off Oman & Yemen Coasts till 19<sup>th</sup> December, morning

**(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 3 days.

## **Warnings:**

### **(i) Wind warning:**

- ❖ **Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph** is likely over Southeast Bay of Bengal on 18<sup>th</sup> 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 18<sup>th</sup>- 20<sup>th</sup> 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-Sri Lanka coasts during 20<sup>th</sup> -22<sup>nd</sup> December.

### **(ii) Sea condition: Sea condition is likely to be rough over**

- ❖ Southeast Bay of Bengal on 18<sup>th</sup> December.
- ❖ Southwest Bay of Bengal & along and off Sri-Lanka coast during 18<sup>th</sup> – 20<sup>th</sup> December.
- ❖ Southwest Bay of Bengal, Gulf of Mannar and along & off Tamil Nadu-Sri Lanka coasts during 20<sup>th</sup> -22<sup>nd</sup> December.

### **(iii) Fishermen Warning (warning graphics enclosed)**

Fishermen are advised not to venture into:

- ❖ Southeast Bay of Bengal on 18<sup>th</sup> December.
- ❖ Southwest Bay of Bengal & along and off Sri-Lanka coast during 18<sup>th</sup> -20<sup>th</sup> December.
- ❖ Southwest Bay of Bengal, Gulf of Mannar and along & off Tamil Nadu-Sri Lanka coasts during 20<sup>th</sup> -22<sup>nd</sup> December.

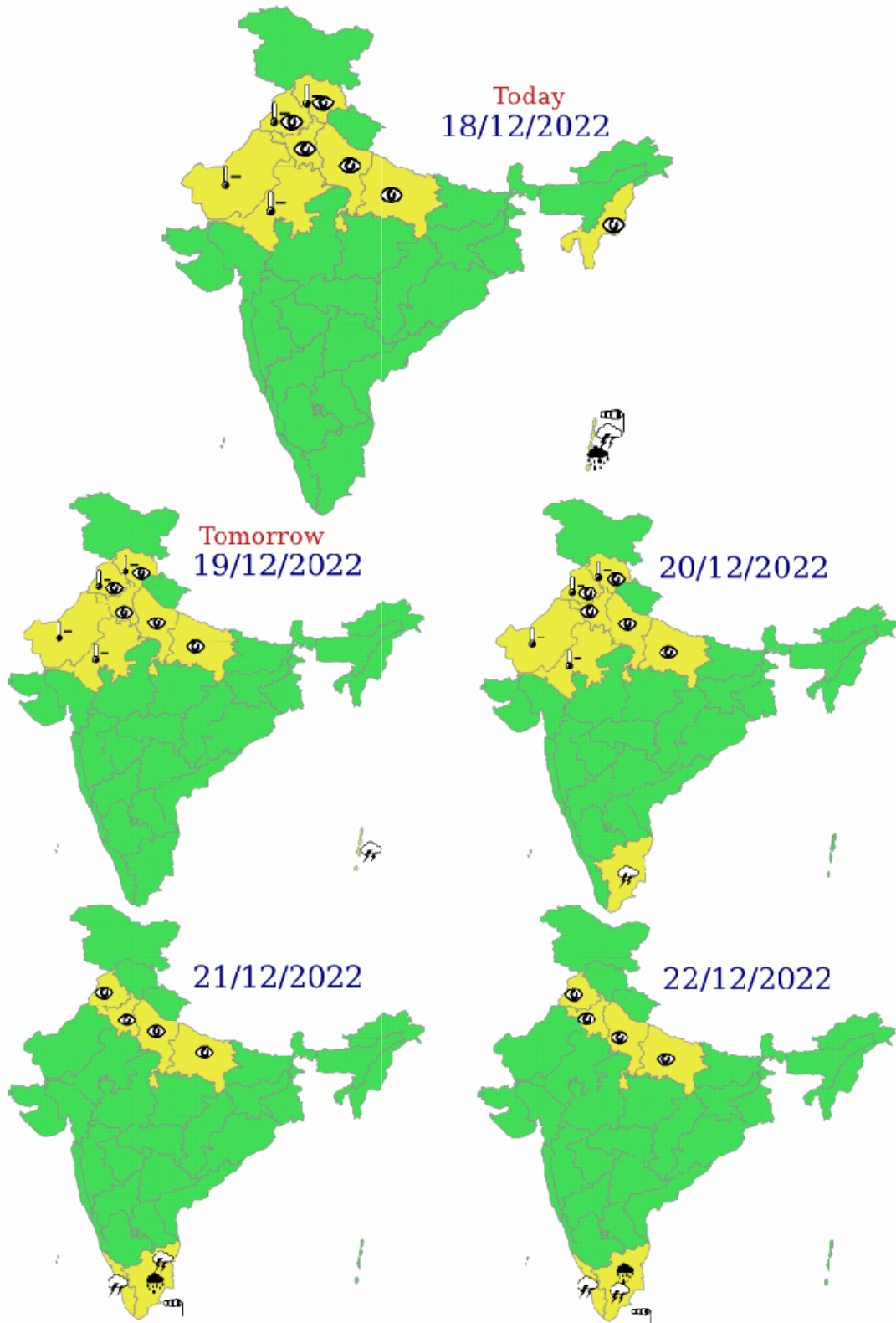
### **(iv) Rainfall Warning:**

- ❖ Heavy rainfall at isolated places likely over south Tamil Nadu on 21<sup>st</sup> & 22<sup>nd</sup> December, 2022.

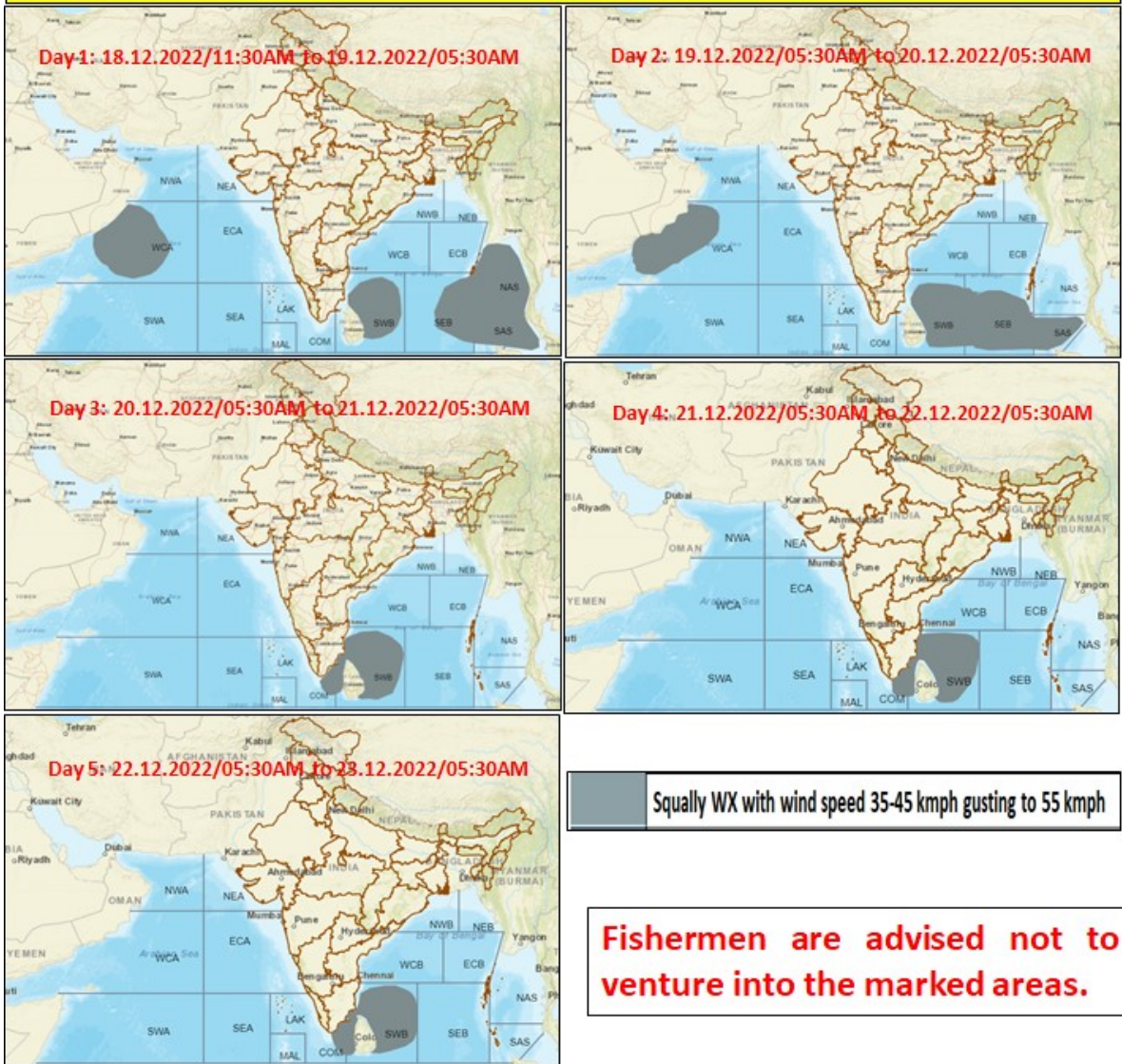
### **(3) Minimum Temperature, Cold wave and Fog forecast :**

- ❖ No significant change in minimum temperatures likely over the country during next 3 days.
- ❖ **Cold wave conditions** likely to continue in isolated pockets very likely over Himachal Pradesh, Punjab and north Rajasthan during next 3 days.
- ❖ **Dense to very dense fog** in isolated pockets very likely over Himachal Pradesh, Punjab and Haryana in morning hours during next 3 days; **Dense fog** in isolated pockets over north Uttar Pradesh during next 3 days.

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)

**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