



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

**Press Release  
Date: 14<sup>th</sup> December, 2022  
Time of Issue: 1300 hrs IST**

**Subject: (i) Well marked Low Pressure Area over eastcentral and adjoining southeast Arabian sea.  
(ii) Likely formation of Low Pressure area over Southeast Bay of Bengal & adjoining Equatorial India Ocean by tomorrow morning, the 15<sup>th</sup> December, 2022.**

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

- ❖ **Minimum temperatures** are near normal and in the range of 08-10° C over many parts of plains of Northwest India.
- ❖ **Heavy to very rainfall** with **extremely heavy fall** occurred at isolated places over Tamil Nadu and **heavy rainfall** at isolated places over South Interior Karnataka.
- ❖ **Significant amount of rainfall (in cm):** Tamilnadu, Puducherry & Karaikal: Coonoor (dist Nilgiris) 30, Needamangalam (dist Tiruvarur) 16, Thirumanur (dist Ariyalur) 15, Coonoor PTO (dist Nilgiris) 14, Billimalai Estate (dist Nilgiris), Adar Estate (dist Nilgiris), Tiruvaiyaru (dist Thanjavur) 10 each, Kodanad (dist Nilgiris), Burliar (dist Nilgiris) 9 each, Manampoondi (dist Villupuram), Budalur (dist Thanjavur) 8 each, Mugaiyur (dist Villupuram), Kedar (dist Villupuram), Arantangi (dist Pudukkottai), Ketti (dist Nilgiris), TNAU, Coimbatore (dist Coimbatore) 7 each; **South Interior Karnataka:** Somwarpet (dist. Kodagu)-8.

**Weather systems and forecast & warning:**

**1. Well marked Low Pressure Area over eastcentral and adjoining southeast Arabian sea :**

- ❖ Yesterday's Low Pressure Area over Eastcentral and adjoining Southeast Arabian Sea off north Kerala-Karnataka coasts moved northwestwards and became a well marked low pressure area over the same region at 1730 hrs IST of 13<sup>th</sup> December 2022. It moved further northwestwards and lay as a well marked low pressure area over Eastcentral and Southeast Arabian Sea at 0830 hrs IST of today, the 14<sup>th</sup> December 2022. It is very likely to move northwestwards away from India coast and concentrate into a depression over Eastcentral Arabian Sea by 15<sup>th</sup> December morning

**Under its influence:**

**(i) Heavy Rainfall warning: NIL** as the well marked low pressure area is expected to move away from India coast.

**(ii) Wind warning (warning graphics enclosed):**

- **Along & off North Kerala, Karnataka & Goa Coasts: Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph** is likely to prevail till 14<sup>th</sup> December afternoon.
- **Lakshadweep Area: Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph** is likely to prevail till 14<sup>th</sup> morning, becoming **40-50 kmph gusting to 60 kmph** till 15<sup>th</sup> morning and decrease gradually thereafter.

- **Southeast Arabian Sea: Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph** is likely to prevail till 14<sup>th</sup> afternoon becoming **45-55 kmph gusting to 65 kmph** till 15<sup>th</sup> evening and decrease gradually thereafter.
- **Eastcentral Arabian Sea: Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph** is likely till 14<sup>th</sup> morning becoming **40-50 kmph gusting to 60 kmph** till 15<sup>th</sup> morning and **45-55 kmph gusting to 65 kmph** till 17<sup>th</sup> morning.
- **Westcentral Arabian Sea: Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph** is likely from 15<sup>th</sup> morning becoming **45-55 kmph gusting to 65 kmph** during 16<sup>th</sup> to 18<sup>th</sup> December, 2022.
- **Southwest Arabian Sea: Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph** is likely from 15<sup>th</sup> morning becoming **45-55 kmph gusting to 65 kmph** during 16<sup>th</sup> to 18<sup>th</sup> December, 2022.

### (iii) Sea Condition

- ❖ **Along & off North Kerala, Karnataka & Goa Coasts: Sea Condition** is likely to be rough till 14<sup>th</sup> December afternoon.
- ❖ **Lakshadweep Area: Sea Condition** is likely to be rough till 14<sup>th</sup> morning becoming rough to very rough till 15<sup>th</sup> morning and improve thereafter
- ❖ **Southeast Arabian Sea: Sea Condition** is likely to be rough till 14<sup>th</sup> afternoon becoming rough to very rough till 15<sup>th</sup> evening and improve thereafter.
- ❖ **Eastcentral Arabian Sea: Sea Condition** is likely to be rough till 14<sup>th</sup> morning becoming rough to very rough from 15<sup>th</sup> morning to 17<sup>th</sup> morning.
- ❖ **Westcentral Arabian Sea: Sea Condition** is likely to be rough from 15<sup>th</sup> morning becoming rough to very rough during 16<sup>th</sup> to 18<sup>th</sup> December 2022.
- ❖ **Southwest Arabian Sea: Sea Condition** is likely to be rough from 15<sup>th</sup> morning becoming rough to very rough during 16<sup>th</sup> to 18<sup>th</sup> December 2022.

### (iv) Fishermen Warning:

Fishermen are advised not to venture into

- ❖ **Along & off North Kerala, Karnataka & Goa Coasts** till 14<sup>th</sup> December afternoon.
- ❖ **Lakshadweep Area** till 15<sup>th</sup> morning.
- ❖ **Southeast Arabian Sea** till 15<sup>th</sup> evening.
- ❖ **Eastcentral Arabian Sea** till 17<sup>th</sup> morning.
- ❖ **Westcentral Arabian Sea** from 15<sup>th</sup> morning to 18<sup>th</sup> December.
- ❖ **Southwest Arabian Sea** from 15<sup>th</sup> morning to 18<sup>th</sup> December.

## 2. Likely formation of Low Pressure area over Southeast Bay of Bengal & adjoining Equatorial India Ocean by tomorrow morning, the 15th December, 2022.

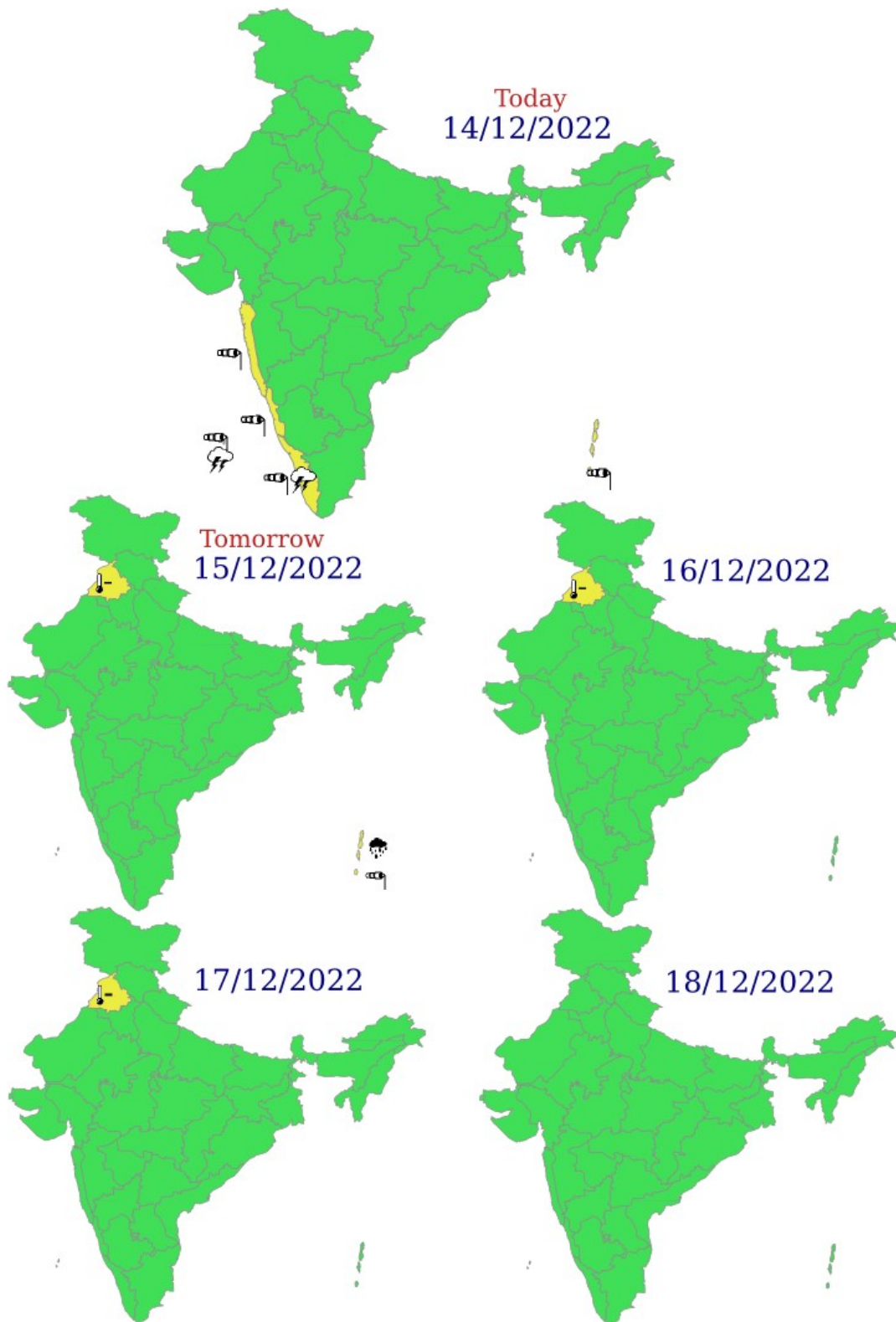
- ❖ The cyclonic circulation over South Andaman Sea and adjoining Strait of Malacca & Sumatra extending upto 5.8 km above mean sea level persists. Under its influence, a Low Pressure Area is likely to form over Southeast Bay of Bengal & adjoining Equatorial India Ocean by tomorrow morning, the 15th December, 2022. It is likely to move gradually westwards towards Sri-Lanka coast.
- ❖ Under its influence,
  - i) Fairly widespread rainfall with isolated **heavy rainfall** likely over Nicobar Islands on 15th December.
  - ii) Fishermen are advised not to venture into
    - ✓ **Andaman Sea** from 14<sup>th</sup> to 15<sup>th</sup> December.
    - ✓ **Southeast Bay of Bengal** from 14<sup>th</sup> to 16<sup>th</sup> December.
    - ✓ **Central Parts of Bay of Bengal** on 17<sup>th</sup> December.
    - ✓ **Southwest Bay of Bengal adjoining Sri-Lanka Coast and Gulf of Mannar** on 18<sup>th</sup> December.

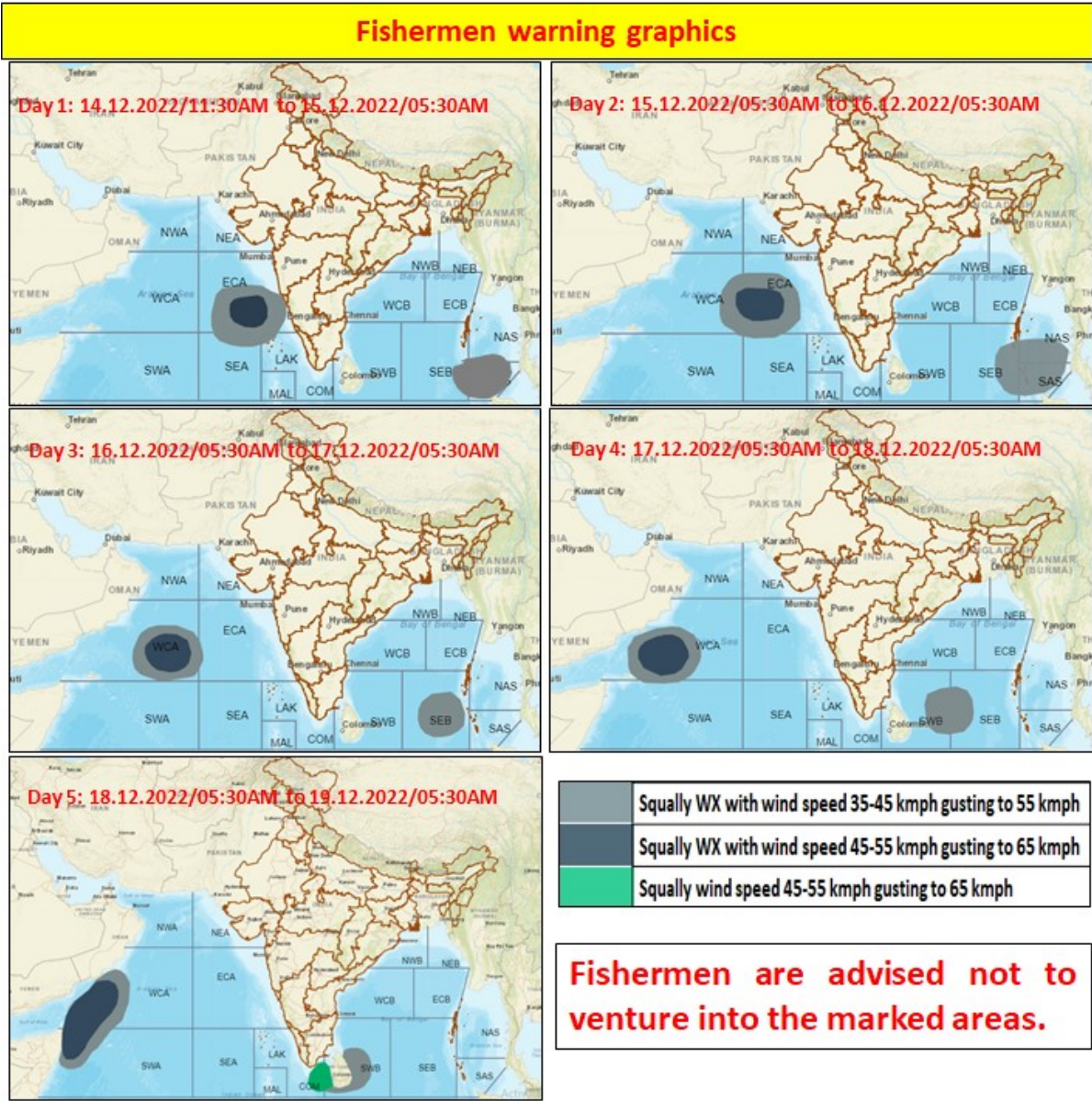
### 3. Minimum Temperature Forecast :

- ❖ Gradual fall by 2-4°C in minimum temperatures likely over Northwest India during next 2 days and no significant change thereafter. Gradual fall by 2-3°C in minimum temperatures likely over Central India during next 2-3 days and no significant change thereafter. No significant change in minimum temperatures likely over East India during next 24 hours and fall by 2-4°C thereafter. No significant change in minimum temperatures likely over remaining parts of the country during next 4-5 days.
- ❖ **Cold wave conditions** in isolated pockets very likely over Punjab during 15th - 17th December 2022.

For more details kindly refer:

[https://mausam.imd.gov.in/imd latest/content/all india forecast bulletin.php](https://mausam.imd.gov.in/imd%20latest/content/all%20india%20forecast%20bulletin.php)





**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    |