



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

**Press Release**  
**Date: 05<sup>th</sup> December, 2022**  
**Time of Issue: 1315 hrs IST**

**Subject: 1. Low Pressure Area over south Andaman Sea likely to concentrate into a Depression over Southeast Bay of Bengal by 06th December evening and intensify further gradually into a Cyclonic Storm and reach Southwest Bay of Bengal near north Tamil Nadu-Puducherry & adjoining south Andhra Pradesh coasts by 08th December morning.**  
**2. Heavy rainfall spell over north Tamil Nadu, south Coastal Andhra Pradesh and Rayalaseema during 07<sup>th</sup>-09<sup>th</sup> December, 2022.**

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

- ❖ **Minimum temperatures** are in the range of 8-11° C over many parts of plains of Northwest India. These are near normal or above normal over northern parts of the country.
- ❖ **Heavy to very heavy rainfall** occurred at isolated places over Tamilnadu and **heavy rainfall** at isolated places over Kerala.
- ❖ **Significant Amount of Rainfall (in cm): Tamilnadu:** Thanjavur (dist Thanjavur), Nalumukku (dist Tirunelveli), Oothu (dist Tirunelveli) 16 each, Kakkachi (dist Tirunelveli) 15, Needamangalam (dist Tiruvarur) 14, Manjolai (dist Tirunelveli) 13, Lower Anaicut (dist Thanjavur) 12, Nannilam (dist Tiruvarur), Valangaiman (dist Tiruvarur), Kulasekarapattinam (dist Toothukudi) 11 each, Tiruvaiyaru (dist Thanjavur) 10, Kumbakonam (dist Thanjavur), Manalmedu (dist Mayiladuthurai), Arantangi (dist Pudukkottai), Mannargudi (dist Tiruvarur), Manjalaru (dist Thanjavur), Jayamkondam (dist Ariyalur), Kodavasal (dist Tiruvarur) 9 each, Pandavaiyar (dist Tiruvarur), Tiruvarur (dist Tiruvarur), Kollidam (dist Mayiladuthurai), Thirumanur (dist Ariyalur), Thanjavur PTO (dist Thanjavur), K.m.koil (dist Cuddalore), Vallam (dist Thanjavur), Sirkali (dist Mayiladuthurai) 8 each; **Kerala:** Konni (Pathanamthitta district) 9.

**Weather systems, rainfall/thunderstorm Forecast & Warnings: (Refer Annexure I)**

A low pressure area lies over south Andaman Sea & neighbourhood at 0830 hrs IST of today, the 5th Dec 2022. It is likely to move west-northwestwards and concentrate into a Depression over Southeast Bay of Bengal by 06th December evening. Thereafter, it is likely to continue to move west-northwestwards, intensify further gradually into a Cyclonic Storm and reach Southwest Bay of Bengal near north Tamil Nadu-Puducherry & adjoining south Andhra Pradesh coasts by 08th December morning.

**Warnings:**

**(i) Rainfall (warning graphics enclosed Annexure I)**

- ✓ Light/moderate rainfall at most places with isolated heavy to very heavy falls very likely over Andaman & Nicobar Islands on 05<sup>th</sup> and isolated heavy falls on 06th December, 2022.
- ✓ Enhanced rainfall activity with rainfall at a few places with isolated heavy rainfall likely to commence over north coastal Tamilnadu, Puducherry & Karaikal from 07th December mid-night. It is likely to increase with rainfall at most places with heavy to very heavy at isolated places and extremely heavy rainfall at isolated places over north Tamilnadu & Puducherry on 08th December and isolated heavy to very heavy rainfall over Tamilnadu on 9<sup>th</sup> December.
- ✓ Enhanced rainfall activity with rainfall at a few places with isolated heavy rainfall likely to commence over south Andhra Pradesh from 07th December mid-night. It is likely to increase with rainfall at most places with isolated heavy to very heavy rainfall on 08th December and isolated heavy rainfall on 9<sup>th</sup> December over south Andhra Pradesh.

**(ii) Wind warning:**

- ✓ **Squally weather with wind speed reaching 40-45 kmph gusting to 55 kmph** very likely over Andaman & Nicobar Islands and Andaman Sea on 05<sup>th</sup> & 06<sup>th</sup> December.
- ✓ **Squally wind speed reaching 45-55 kmph gusting to 65 kmph** likely over Southeast Bay of Bengal on 05<sup>th</sup> to 7<sup>th</sup> December
- ✓ **Squally wind speed reaching 45-55 kmph gusting to 65 kmph likely** to prevail over Southwest Bay of Bengal on 6<sup>th</sup>. It would increase gradually becoming **55-65 kmph gusting to 75 kmph** on 7<sup>th</sup> and Gale wind speed reaching **70-80 kmph gusting to 90 kmph likely** over the same region on 08<sup>th</sup>. It would decrease thereafter gradually.
- ✓ **Squally wind speed reaching 40-50 kmph gusting to 60 kmph** likely to commence along & off Tamilnadu, Puducherry, south Andhra Pradesh and north Sri Lanka coasts from 08<sup>th</sup> December morning becoming **60-70 kmph gusting to 80 kmph** from 08<sup>th</sup> December evening to 9<sup>th</sup> December morning. It is likely to reduce to **45-55 kmph gusting to 65 kmph** by 09<sup>th</sup> December evening.
- ✓ **Squally wind speed reaching 40-50 kmph gusting to 60 kmph** likely to prevail over Gulf of Mannar during 7<sup>th</sup>-9<sup>th</sup> December.

**(iii) Sea condition**

- ✓ **Sea condition likely to be rough to very rough** over Andaman Sea on 5<sup>th</sup> & 6<sup>th</sup>.
- ✓ **Sea condition likely to be rough to very rough** over Southeast Bay of Bengal during 6<sup>th</sup> & 7<sup>th</sup>.
- ✓ **Sea condition likely to be rough to very rough** over Southwest and adjoining areas of Westcentral Bay of Bengal on 6<sup>th</sup>, 7<sup>th</sup> and 9<sup>th</sup> and high on 8<sup>th</sup> December.
- ✓ **Sea condition likely to be rough to very rough** along & off South Andhra Pradesh, Tamil Nadu, Puducherry and Sri Lanka coasts on 7<sup>th</sup> & 9<sup>th</sup> and high on 8<sup>th</sup> December.

**(iv) Fishermen Warning (warning graphics enclosed Annexure II)**

Fishermen are advised not to venture into:

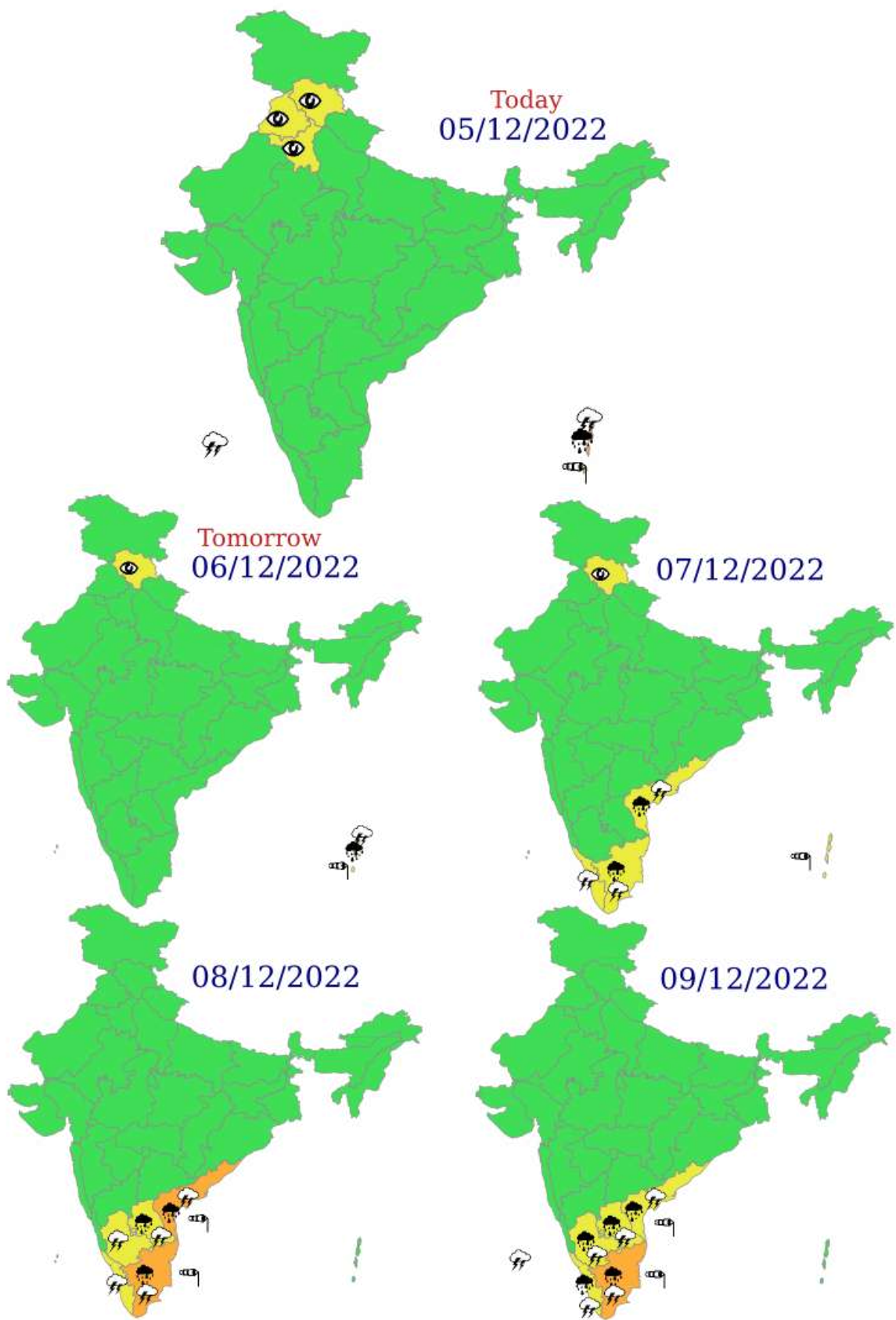
- ✓ Andaman Sea on 5-6 December.
  - ✓ Southeast Bay of Bengal from 05<sup>th</sup>-07<sup>th</sup> December.
  - ✓ Southwest Bay of Bengal from 06<sup>th</sup>-09<sup>th</sup> December
  - ✓ Along & off Sri Lanka coast from 06<sup>th</sup>-09<sup>th</sup> December.
  - ✓ Along & off Tamilnadu, Puducherry and South Andhra Pradesh coast and Gulf of Mannar from 07<sup>th</sup>-09<sup>th</sup> December
- ❖ A feeble Western Disturbance is likely to affect Western Himalayan Region from 07<sup>th</sup> December. Under its influence, isolated light to moderate rainfall likely over Jammu-Kashmir, Ladakh and Himachal Pradesh on 08<sup>th</sup> December.

**Minimum Temperature and Fog Forecast**

- ❖ Gradual fall in minimum temperatures by 2-3°C likely over Maharashtra during next 3 days and rise by 2-3°C thereafter. No significant change in minimum temperatures likely over northern parts of the country during next 4-5 days.
- ❖ **Dense fog** very likely in isolated pockets over Himachal Pradesh during morning hours of next 3 days and over Punjab & Haryana during next 24 hours. Shallow to moderate fog likely at isolated pockets over parts of Odisha, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during next 2-3 days.

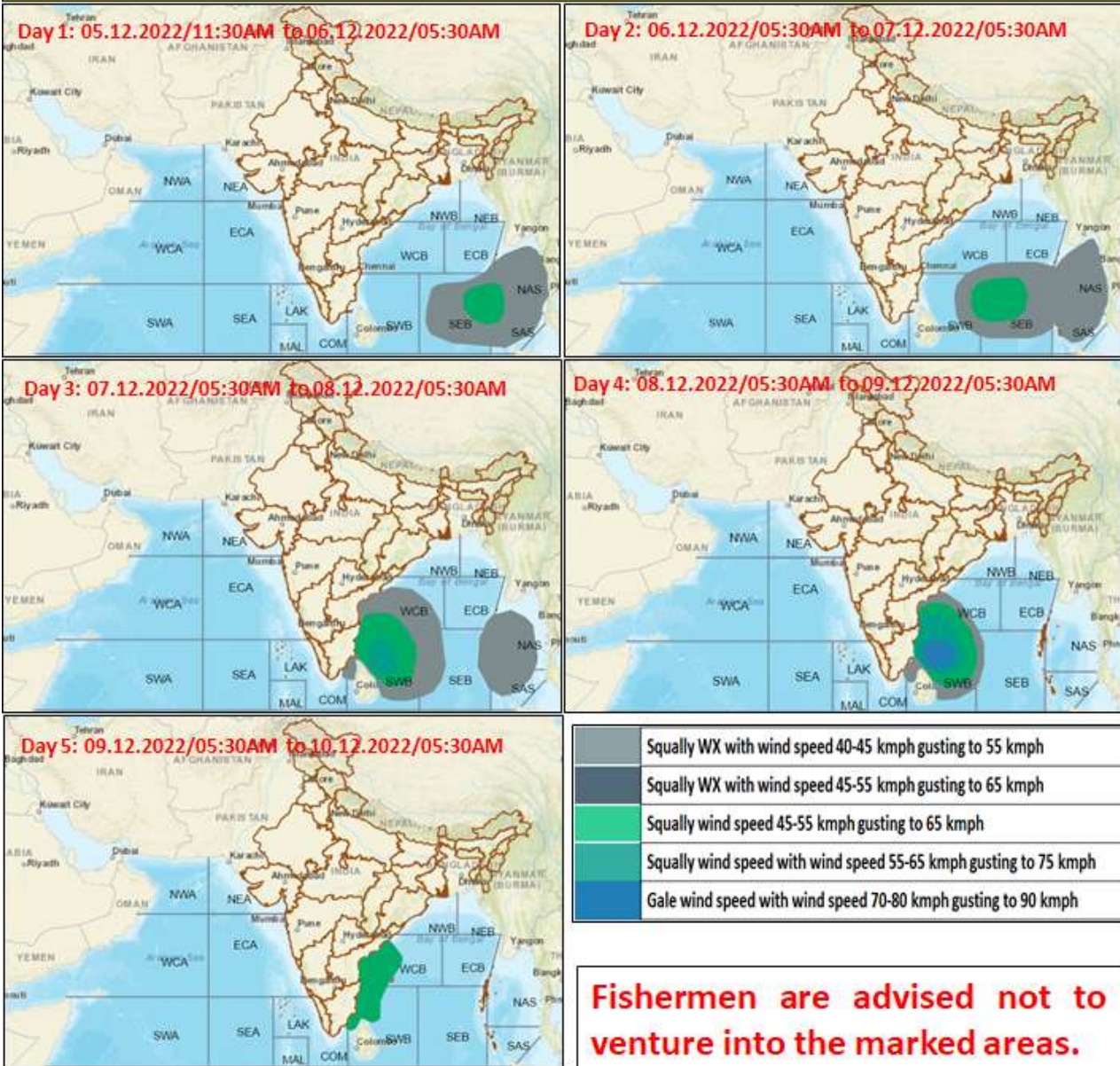
For more details kindly refer:

[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