



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release
Date: 03rd December, 2022
Time of Issue: 1315 hrs IST

Subject: Formation of a Low Pressure Area over Southeast Bay of Bengal & adjoining south Andaman Sea by 05th 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 & adjoining Central India which are near normal at most places in the region and below normal at isolated places in the region.
- ❖ **Minimum temperatures** are in the range of 12-18° C over some parts of East India which are near normal at most places and 1-2° C below normal at isolated places in the region.
- ❖ **Light to moderate rainfall** occurred at isolated places over Tamilnadu and Kerala.
- ❖ **Significant Amount of Rainfall (in cm): Tamilnadu:** Pilavakkal (dist Virudhunagar)-9, Manjolai (dist Tirunelveli)-6, Colachel (dist Kanyakumari), Nalumukku (dist Tirunelveli), Kakkachi (dist Tirunelveli)-5 each, Ramnadu_AGRO (dist Ramanathapuram), Cheranmahadevi (dist Tirunelveli)-4 each. **Kerala:** Perumkadavila ARG (Thiruvananthapuram district)-5, Neyyattinkara (Thiruvananthapuram district)-4.

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

- ❖ A cyclonic circulation is likely to emerge into south Andaman Sea on 04th December, 2022. Under its influence, a **Low Pressure Area** is likely to form over Southeast Bay of Bengal & adjoining south Andaman Sea by 05th December. It is likely to move west-northwestwards and concentrate into a **Depression** over Southeast Bay of Bengal by 07th December morning. Thereafter, it is likely to continue to move west-northwestwards and reach Southwest Bay of Bengal near north Tamil Nadu-Puducherry & adjoining south Andhra Pradesh coasts by 08th December morning. **As a result:**
 - ✓ **Fairly widespread to widespread light/moderate rainfall with isolated heavy falls very likely over Nicobar Islands on 04th and over Andaman & Nicobar Islands on 05th December, 2022.**
 - ✓ As the expected Low Pressure system moves towards Southwest Bay of Bengal, enhanced rainfall activity likely to commence over north coastal Tamilnadu, Puducherry & Karaikal and South coast Andhra Pradesh from 07th December mid-night. It is likely to increase with rainfall at most places with isolated heavy to very heavy rainfall over north Tamilnadu & Puducherry and adjoining south Andhra Pradesh on 08th December.

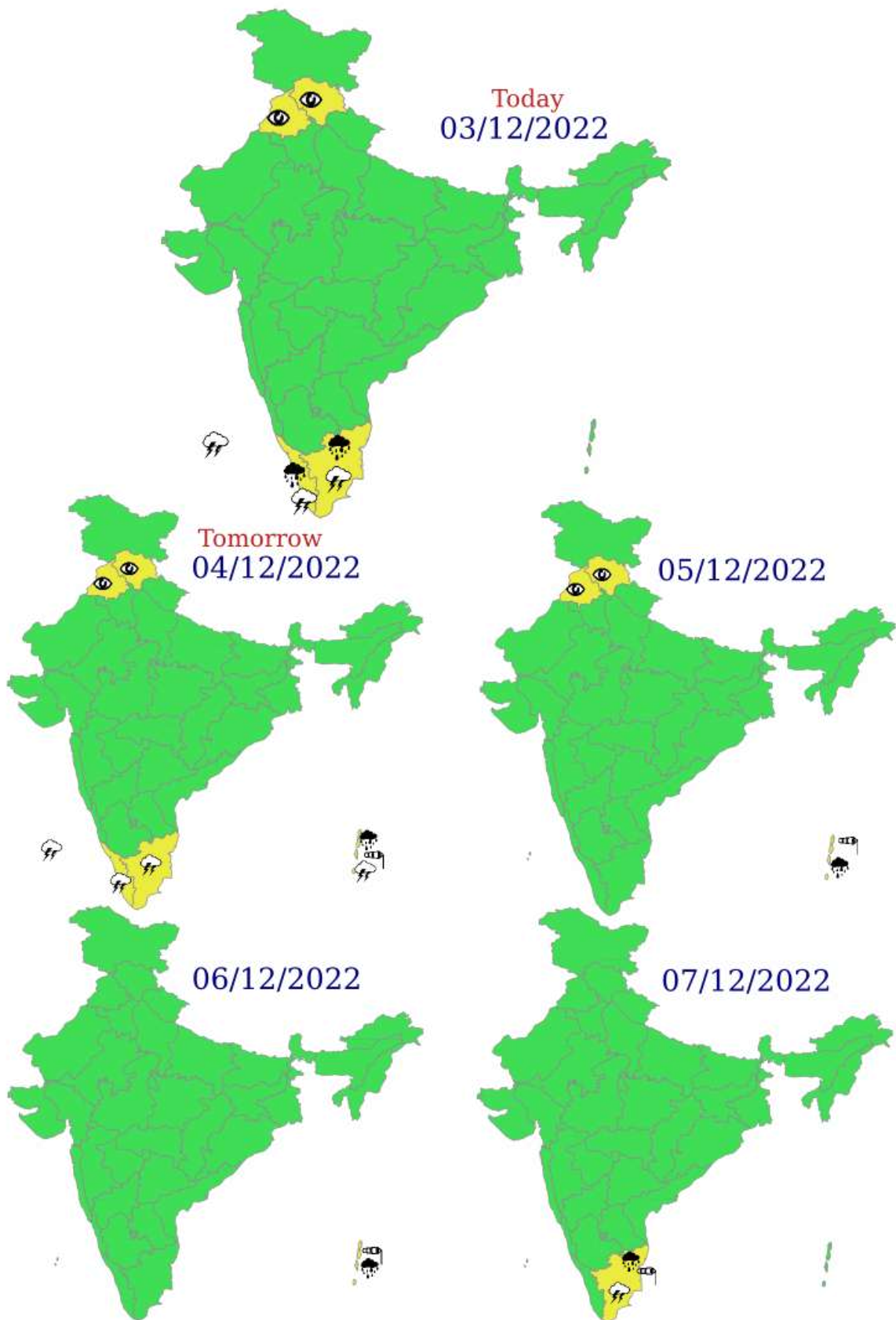
- ✓ **Squally weather** (speed 40-45 kmph gusting to 55 kmph) very likely over Andaman & Nicobar Islands and Andaman Sea on 04th & 05th December.
- ✓ **Squally winds** (speed 45-55 kmph gusting to 65 kmph) likely over Southeast Bay of Bengal on 05th & 06th December; over Southwest & adjoining Southeast Bay of Bengal on 06th & 7th December.
- ✓ **Squally winds** (50-60 kmph gusting to 70 kmph) over Southwest Bay of Bengal & adjoining Sri Lanka coast on 07th & 08th December.
- ✓ **Squally wind** speed reaching 40-50 kmph gusting to 60 kmph likely to commence along & off Tamilnadu, Puducherry and South Andhra Pradesh coast from 08th December morning becoming 50-60 kmph gusting to 70 kmph from 08th December evening for subsequent 12 hours.
- ✓ **Fishermen are advised not to venture into:**
 - Andaman Sea on 04th & 05th December.
 - Southeast Bay of Bengal from 05th-07th December.
 - Southwest Bay of Bengal from 06th-08th December onwards.
 - Along & off Sri Lanka coast from 06th-08th December.
 - Along & off Tamilnadu, Puducherry and South Andhra Pradesh coast from 07th-09th December morning

Minimum Temperature and Fog Forecast

- ❖ No significant change in minimum temperatures likely over eastern parts of the country during next 24 hours and fall by 2-3°C thereafter. No significant change in minimum temperatures likely over central parts of the country during next 2 days and fall by 2-3°C thereafter. No significant change in minimum temperatures likely over remaining parts of the country during next 4-5 days.
- ❖ **Dense fog** very likely in isolated pockets over Himachal Pradesh and Punjab during morning hours of next 3 days. Shallow to moderate fog likely at isolated pockets during early morning hours over parts of East Uttar Pradesh, 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



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 Widespred (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