



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

**Press Release
Date: 10th November, 2022
Time of Issue: 1245 hrs IST**

**Subject: i) Low Pressure Area over Southwest Bay of Bengal off Sri Lanka coast.
ii) Enhanced rainfall activity over south peninsular India during 11th-13th November.**

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

Light to moderate rainfall occurred at isolated places over Tamilnadu and Kerala.

Weather systems, rainfall/thunderstorm Forecast & Warnings: (Warning Graphics in Annexure I)

➤ **The Low Pressure area over Southwest Bay of Bengal off Sri-Lanka coast with associated cyclonic circulation extending upto mid tropospheric levels persists. It is likely to become more marked during next 24 hours. It is very likely to move northwestwards towards Tamilnadu-Puducherry coasts till 12th November morning. Thereafter, it would move west-northwestwards across Tamilnadu-Puducherry and Kerala during 12th-13th November, 2022. Under its influence:**

1. Heavy rainfall warning:

- ❖ Fairly widespread/widespread rainfall with **isolated heavy to very heavy rainfall** very likely over Tamil Nadu, Puducherry & Karaikal, Rayalaseema and south Coastal Andhra Pradesh during 11th-13th and isolated heavy rainfall over Kerala & Mahe on 11th-14th November.
- ❖ Isolated **extremely heavy rainfall** also likely over north coastal Tamil Nadu, Puducherry & Karaikal on 11th and over north Tamilnadu, Puducherry & Karaikal on 12th November, 2022.

2. Wind warning:

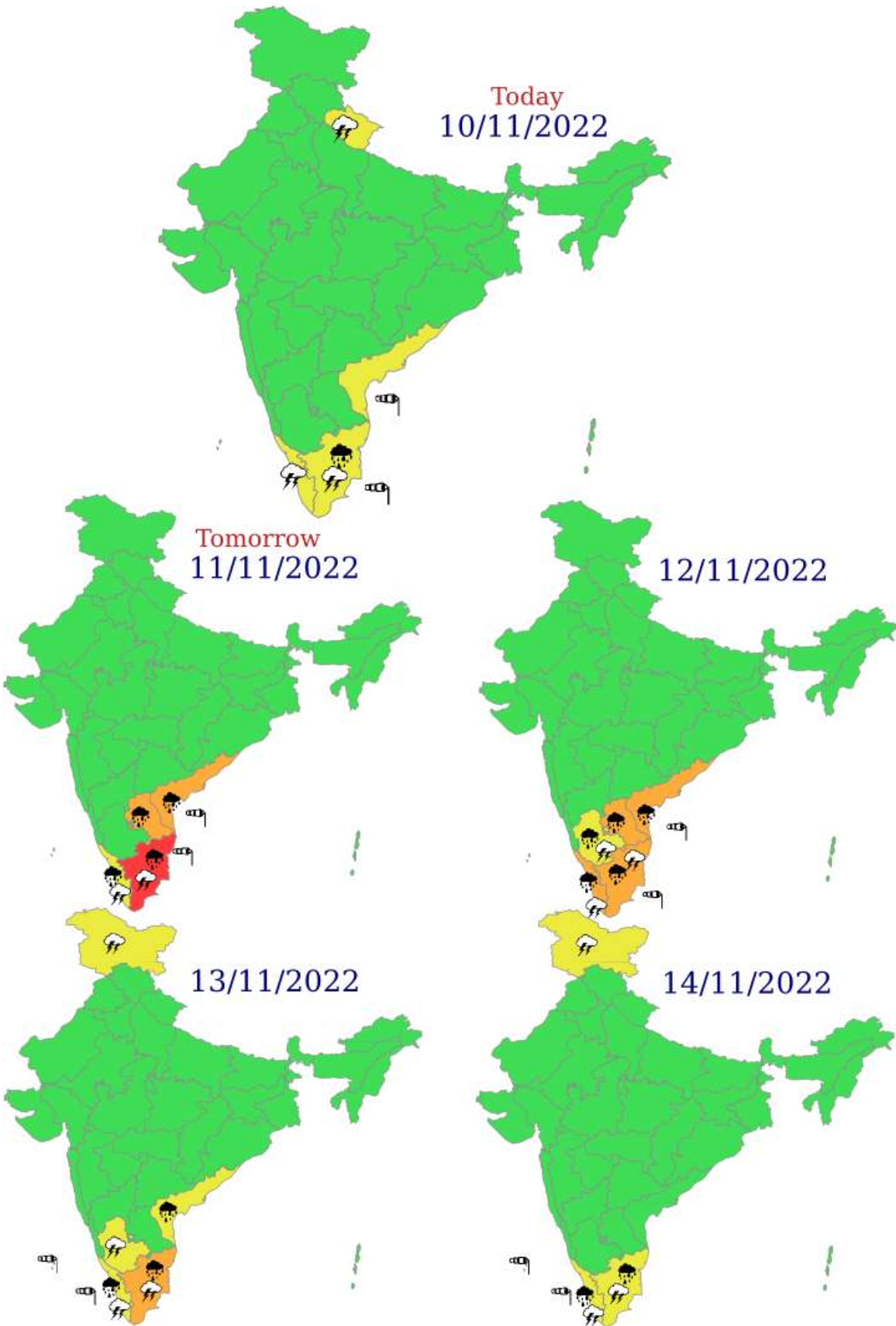
- ❖ **10th & 11th November: Squally Weather (wind speed 40-45 kmph gusting to 55 kmph)** likely to prevail over Southwest & adjoining Westcentral Bay of Bengal, along & off south Andhra Pradesh-Tamilnadu-Puducherry and Sri Lanka coasts, Gulf of Mannar and adjoining Comorin area.
- ❖ **12th November: Squally weather (wind speed 40-45 kmph gusting to 55 kmph)** likely to prevail over Comorin area, Gulf of Mannar, Southwest & Westcentral Bay of Bengal, along & off south Andhra Pradesh-Tamil Nadu-Puducherry and Sri Lanka coasts.
- ❖ **13th & 14th November: Squally weather (wind speed 40-45 kmph gusting to 55 kmph)** likely over Lakshadweep area, Maldives-Comorin area, Southeast Arabian Sea and along & off Kerala & adjoining south Tamilnadu coasts.

Fishermen are advised not to venture in to these areas during the same period.

➤ A Western Disturbance as a trough in westerlies in middle tropospheric levels runs along Long. 72°E to the north of Lat. 27°N. Under its influence, Isolated light rainfall/snowfall likely over Jammu, Kashmir, Ladakh, Gilgit Baltistan & Muzaffarabad and Uttarakhand on 10th November, 2022.

For more details kindly refer:

https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php



IMPACT EXPECTED & ACTION SUGGESTED DUE TO extremely heavy/very heavy rainfall at isolated places over Tamil Nadu, Puducherry & Karaikal during 11th-13th and over Coastal Andhra Pradesh & Yanam and Rayalaseema on 11th & 12th November, 2022.

A. Impact Expected

- Localized water logging in low lying areas in urban areas of the above region.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutcha roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides
- Damage to horticulture and standing crops in some areas due to inundation.

B. Action Suggested

- Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.
- Avoid going to areas that face the water logging problems often.
- Avoid staying in vulnerable structure.

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

Thunderstorm with Lightning