



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

**Press Release
Date: 11th November, 2022
Time of Issue: 1245 hrs IST**

**Subject: i) Well Marked Low Pressure area over Southwest Bay of Bengal & adjoining areas of northeast Sri-Lanka off Tamil Nadu 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: (Refer Annexure I)

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

➤ **The Well Marked Low Pressure area lies over Southwest Bay of Bengal & adjoining areas of northeast Sri-Lanka off Tamil Nadu coast with the associated cyclonic circulation extending upto upper tropospheric levels. It is very likely to move northwestwards towards Tamilnadu-Puducherry coasts till 12th November morning. Thereafter, it is likely to move west-northwestwards across Tamilnadu-Puducherry and Kerala during 12th-13th November and emerge into Southeast & adjoining Eastcentral Arabian Sea as a Low Pressure Area/ Cyclonic circulation on 13th November, 2022. Under its influence:**

1. Heavy rainfall warning:

- ❖ Fairly widespread/widespread rainfall with **isolated heavy rainfall** very likely over Tamil Nadu, Puducherry & Karaikal, Rayalaseema, south Coastal Andhra Pradesh and Kerala & Mahe during 11th-13th November.
- ❖ **Heavy to very heavy rainfall** at a few places with isolated **extremely heavy rainfall** very likely over north coastal Tamil Nadu, Puducherry & Karaikal & adjoining areas; **heavy to very heavy rainfall** at a few places over north interior Tamil Nadu; **heavy to very heavy rainfall** at isolated places over south Tamil Nadu on 11th and **heavy to very heavy rainfall** over north Tamilnadu, Puducherry & Karaikal on 12th November, 2022 (Refer Annexure II for district wise rainfall warning).

2. Wind warning:

- ❖ **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 and Southeast & Eastcentral Arabian Sea along & off Kerala coast.
- ❖ **15th November: Squally weather (wind speed 40-45 kmph gusting to 55 kmph)** likely over Southeast & Eastcentral Arabian Sea.
- ❖ **Fishermen are advised not to venture into Southwest & adjoining Westcentral Bay of Bengal along & off south Andhra Pradesh-Tamilnadu-Puducherry-Sri Lanka coasts, Gulf of Mannar and adjoining Comorin area during 11th-12th and over Southeast & adjoining Eastcentral Arabian Sea along & off Kerala coast, Lakshadweep area, Maldives-Comorin area during 13th-14th.**

- A fresh Western Disturbance is likely to affect Western Himalayan Region on 13th November, 2022. Under its influence, isolated to scattered light rainfall/snowfall likely over Jammu, Kashmir, Ladakh, Gilgit Baltistan & Muzaffarabad, Himachal Pradesh and isolated light rainfall/snowfall Uttarakhand on 13th & 14th November, 2022.
- A fresh **low pressure area** is likely to form over Southeast Bay of Bengal & adjoining Andaman Sea around 16th November, 2022.

For more details kindly refer:

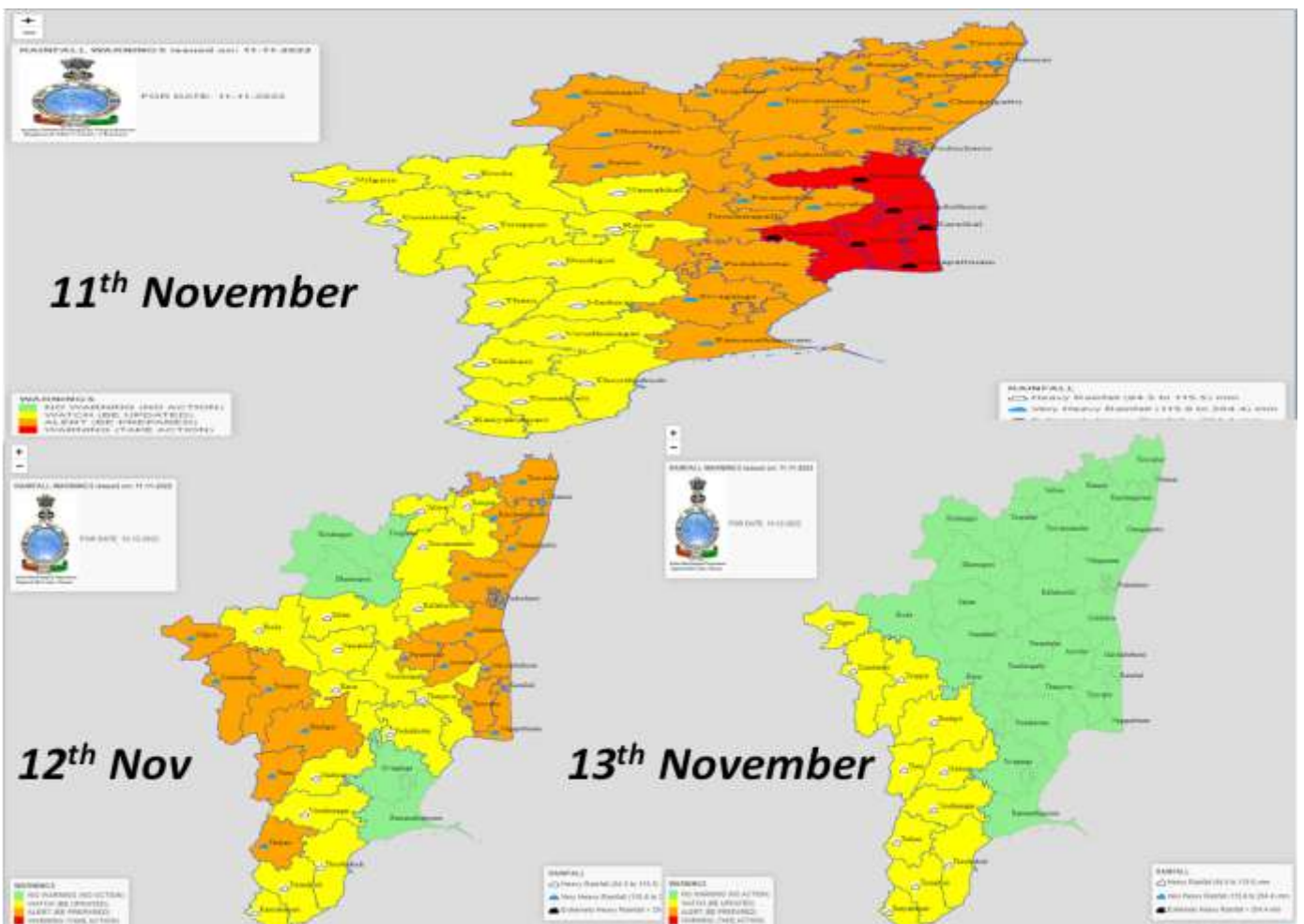
https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php

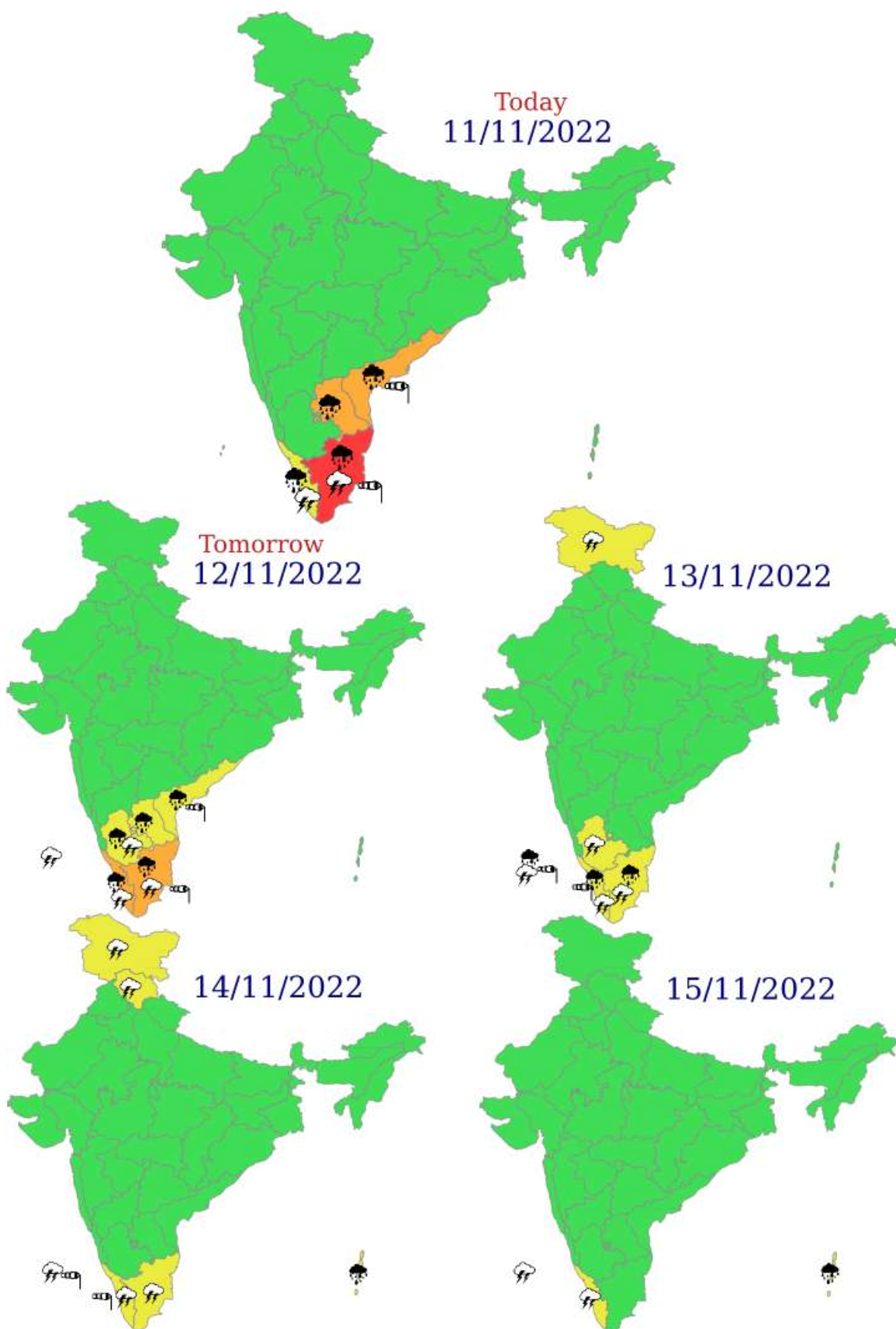
Annexure I

Heavy rainfall occurred at isolated places over Tamilnadu.

Rainfall (in cm): TAMILNADU: Kollidam (dist Mayiladuthurai) 11, Parangipettai (dist Cuddalore) 10, Chidambaram Aws (dist Cuddalore) 9, Cuddalore (dist Cuddalore), Velankanni (dist Nagapattinam), Sirkali (dist Mayiladuthurai) 8 each, Taramani ARG (dist Chennai), Sembanarkoil (dist Mayiladuthurai), Annamalai Nagar (dist Cuddalore), Thalaigayyer (dist Nagapattinam), Collectorate (dist Cuddalore), Ponneri (dist Tiruvallur), Karaikal (dist Karaikal), Tirupoondi (dist Nagapattinam), Puducherry (dist Puducherry), Mahabalipuram (dist Chengalpattu), Vedaranyam (dist Nagapattinam), Mayiladuthurai (dist Mayiladuthurai), Chennai Nungambakkam (dist Chennai), Kattukuppam Agro (dist Kancheepuram), Villivakkam ARG (dist Tiruvallur) 7 each.

Annexure II





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

