



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release

Date: 10th November, 2021
Time of Issue: 1330 hrs IST

Subject: i) Likely formation of a Depression over southwest Bay of Bengal
ii) Extremely heavy rainfall spells over north Tamil Nadu and south Coastal Andhra Pradesh during 10th-11th and over Rayalaseema on 11th November, 2021

(Rainfall realised during past 24 hours ending at 0830 hrs IST of today:

(Refer Annexure I)

- The Low Pressure Area over southeast Bay of Bengal lay as a Well Marked Low Pressure Area over southeast and adjoining southwest Bay of Bengal at 0530 hrs IST of today the 10th November. It lay over central parts of south Bay of Bengal at 0830 hrs IST. It is likely to concentrate into a Depression over Southwest Bay of Bengal during next 12 hours, move west–northwestwards and reach near north Tamilnadu coast by the early morning of 11th November, 2021. Thereafter, it is likely to continue to move west-northwestwards and cross north Tamil Nadu & adjoining south Andhra Pradesh coast between Karaikal & Sriharikota around Cuddalore by the evening of 11th November 2021.

Rainfall warning:

- **10th November:** Light to moderate rainfall at most places with **heavy to very heavy rainfall** at a few places & **extremely heavy falls** at isolated places very likely over north coastal Tamil Nadu, north interior Tamil Nadu and south coastal Andhra Pradesh and **heavy to very heavy rainfall** at isolated places over Rayalaseema.
- **11th November:** Light to moderate rainfall at most places with **heavy to very heavy rainfall** at a few places & **extremely heavy falls** at isolated places very likely over north coastal Tamil Nadu, north interior Tamil Nadu, south coastal Andhra Pradesh and Rayalaseema. **Heavy to very Heavy rainfall** at isolated places over South Interior Karnataka.

(Refer Annexure II & III for warning graphic and impact based warning)

Wind warning

- **Squally wind speed reaching 45-55 kmph gusting to 65 kmph** likely to prevail over southwest & adjoining westcentral Bay of Bengal, Gulf of Mannar and along & off Tamil Nadu, Puducherry & south Andhra Pradesh coasts during 10th –11th November.

Fishermen Warning

- Fishermen are advised not to venture into southwest & adjoining west-central Bay of Bengal, Gulf of Mannar and along & off Tamil Nadu, Puducherry & south Andhra Pradesh coasts during 10th–11th November. **(Refer Annexure IV).**

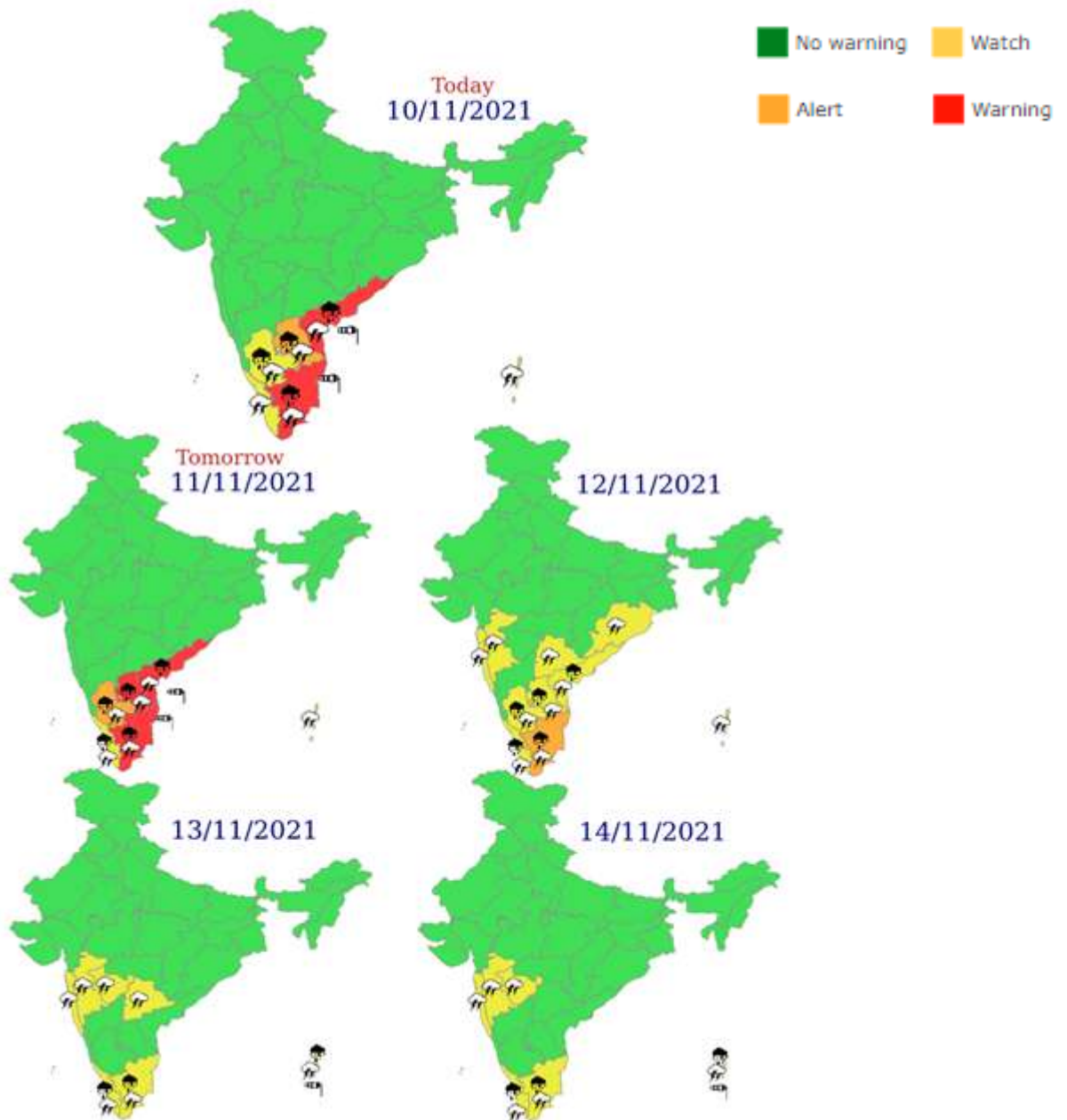
For more details refer:

https://mausam.imd.gov.in/imd_latest/contents/subdivisionwise-warning.php

Annexure I

Rainfall realised (cm) during past 24 hours ending at 0830 hrs IST of today:

Tamilnadu, Puducherry & Karaikal: Nagapattinam- Thirupoondi-31, Nagapattinam-29, Bedaranyam-25, Thalanayar-24; **Karaikal:** karaikal-29, **Tiruvarur-** Thiruthuraipoondi-22, Mannargudi-14, Nannilam, Muthupettai-13 each, Valangaiman-12, Pandavaiyaru, Needamangalam, Kudavasal, Vettikadu, Lower Anaicut-11 each, **Thanjavur-** Peravurani-20, Echanviduthi-17, Thanjavur-16, Madukkur-15 each, Adiramapatnam-13, Manjalaru, Kumbakonam, Ayyampettai-12, Vallam-10, Budalur, Tiruvaiyaru -9 each, Mayiladuthirai-16;; **Pudukkotai:** Karambakudi-18, Manamelkudi, Avudayarkoil-10 each, Mimisal-8; **Mayiladuthurai:** Tarangambadi-16, Mayiladuthurai-14, Sirkali-13, Manalmedu-12, Kollidam-11; **Puducherry:** M.o Pondicherry-9, **Namakkal:** Rasipuram-8, **Ariyalur:** Jayamkondam-10.



EXPECTED IMPACT & ACTION SUGGESTED due to **Very Heavy / Extremely Rainfall** over Tamilnadu, Puducherry & Karaikal, south Coastal Andhra Pradesh and Rayalaseema on 10th & 11th; over South Interior Karnataka on 11th November, 2021.

A. Impact Expected

- Localized Flooding of roads, inundation and water logging in low lying areas and closure of underpasses mainly 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.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

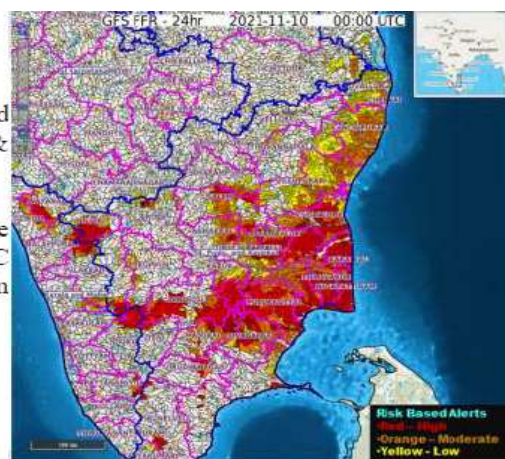
B. Action Suggested

- 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.

24 hours Outlook for the Flash Flood Risk (FFR) till 0530 IST of 11.11.2021:

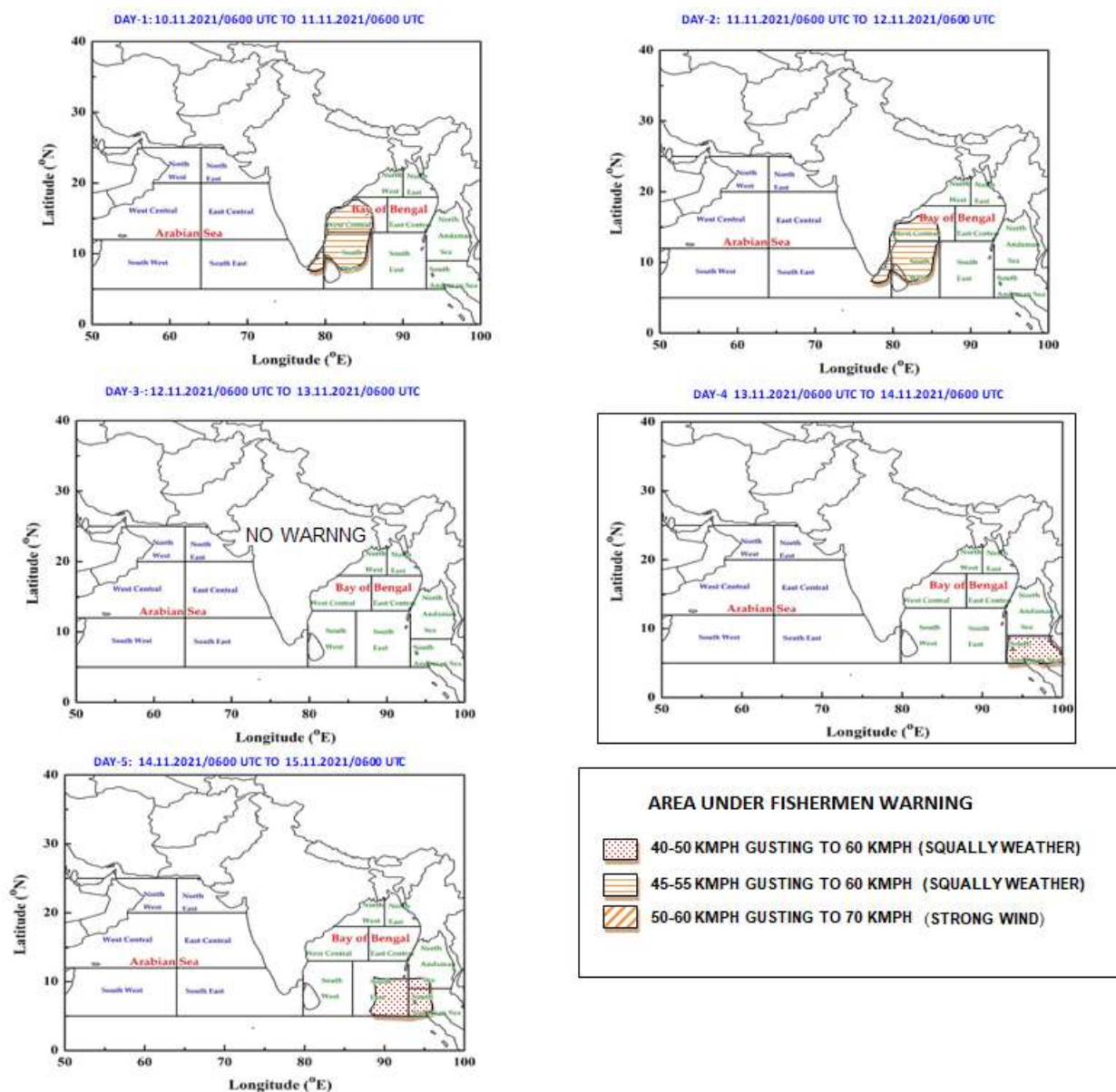
High Risk likely over some watersheds and neighborhoods of Tamilnadu, Puducherry & Karaikal met subdivisions in next 24 hours.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as depicted in map due to expected rainfall in next 24 hours.



24 hours Outlook for the Flash Flood Risk

INDIA METEOROLOGICAL DEPARTMENT **FISHERMAN WARNING FOR BAY OF BENGAL AND ARABIAN SEA**



Fisherman warning for Bay of Bengal and Arabian Sea during 10th-14th November, 2021.

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:** Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad; Himachal Pradesh, 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)



Thunderstorm with Lightning

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