



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release

Date: 11th November, 2021

Time of Issue: 1230 hrs IST

Subject: (i) Depression over southwest & adjoining westcentral Bay of Bengal.
(ii) Likely formation of a Low Pressure Area over Bay of Bengal around 13th November.

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

(Given in Annexure I)

Weather System

- The **Well Marked Low Pressure Area** over southeast & adjoining southwest Bay of Bengal has concentrated into a **Depression** at 1730 hours IST of 10th Nov. over southwest Bay of Bengal. The Depression over southwest Bay of Bengal moved west-northwestwards with a speed of 04 kmph during past 06 hours and lay centred at 0830 hrs IST of 11th November 2021, over southwest & adjoining westcentral Bay of Bengal, near Lat. 12.3°N and Long. 81.2°E, about 130 km east-southeast of Chennai and 150 km east-northeast of Puducherry. It is very likely to continue to move west-northwestwards and cross north Tamil Nadu & adjoining south Andhra Pradesh coasts around Chennai during the evening of today, the 11th November 2021.

Forecast and Warning

i. Rainfall warning:

- **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, Puducherry, north interior Tamil Nadu, south coastal Andhra Pradesh and Rayalaseema and **heavy to very heavy rainfall** at isolated places over South interior Karnataka, Kerala and heavy rainfall at isolated places over north coastal Andhra Pradesh.
- **12th November:** Light to moderate rainfall at most places with **heavy rainfall at**

isolated places very likely over Tamil Nadu, Puducherry, coastal Andhra Pradesh, Rayalaseema south interior Karnataka & Kerala.

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

ii. Wind warning

Squally wind speed reaching 45-55 kmph gusting to 65 kmph likely to prevail over southwest & adjoining westcentral Bay of Bengal and along & off Tamil Nadu, Puducherry & south Andhra Pradesh coasts on 11th November and reduce gradually from 12th morning.

iii. Sea condition

Sea condition will be rough to very rough over southwest & adjoining west-central Bay of Bengal and along & off Tamil Nadu, Puducherry & south Andhra Pradesh coasts on 11th November.

iv. Fishermen Warning

Fishermen are advised not to venture into southwest & adjoining west-central Bay of Bengal and along & off Tamil Nadu, Puducherry & south Andhra Pradesh coasts till 12th November morning. **(Refer Annexure IV).**

➤ **Likely formation of a Low Pressure Area over Bay of Bengal around 13th November.**

A fresh Low Pressure Area is likely to form over south Andaman sea and neighbourhood around 13th November. It is likely to move west-northwestwards and become more marked during subsequent 48 hours.

For more details refer:

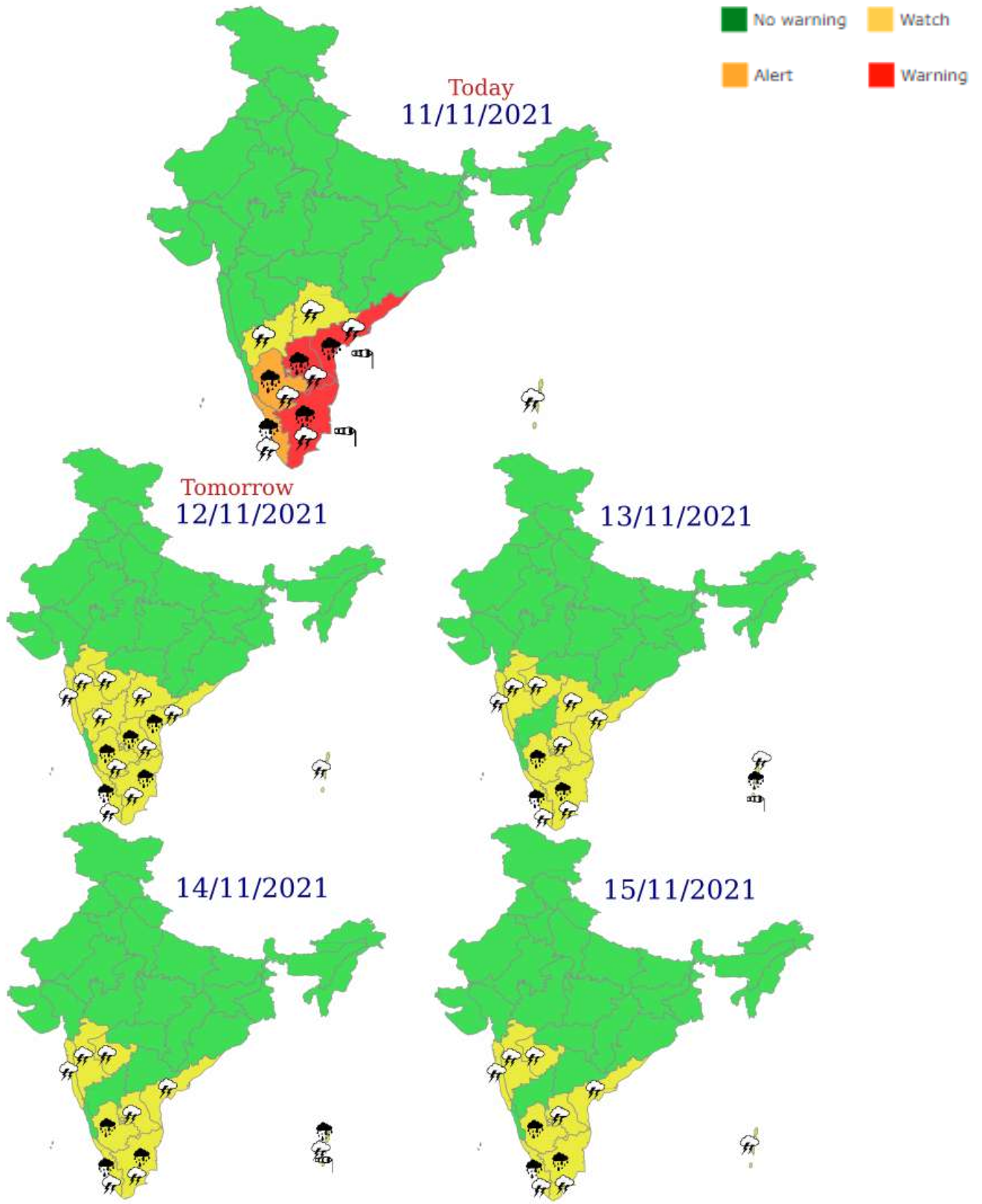
https://mausam.imd.gov.in/imd_latest/contents/subdivisionwise-warning.php

Annexure I

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

Tamilnadu, Puducherry & Karaikal: Chengalpattu: Tambaram-23, Mahabalipuram-17, Kelabakkam, Satyabama & Thirupporur-12 each, Thirukalukundram-11, Chengalpattu-10, Maduranthagam-9; Tiruvallur: Cholavaram-22, Ennore-21, Gummidipoonai & Red Hills-18 each, Ambathur & Thomaraipakkam-15 each, Chembarabakkam-14, Ponneri-13, Poonamallee-12, Tiruvallur & Uthukottai-10 each, Koratur & Pondi-9 each; Chennai: Peerambur-17, Nungambakkam-16, MGR Nagar-15, Meenambakkam, Taramani, Anna University & Chennai-14 each; Kancheepuram: Kattukuppam-11, Sriperumbudur-10; Villupuram: Marakkanam-10, **Coastal Andhra Pradesh:** Nellore: Sullurpeta-18, Tada-14, **Rayalseema:** Chittoor: Satyavedu-11, Tirupati-8, Puttur-7, **Kerala & Mahe:** Kollam:Aryankavu-18,

Annexure II



EXPECTED IMPACT & ACTION SUGGESTED due to **Very Heavy / Extremely Rainfall** over north Tamilnadu, Puducherry & Karaikal, south Coastal Andhra Pradesh and Rayalaseema, South Interior Karnataka and Kerala & Mahe 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 including banana, Papaya & Drumstick and standing crops in some areas due to squally wind and inundation.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

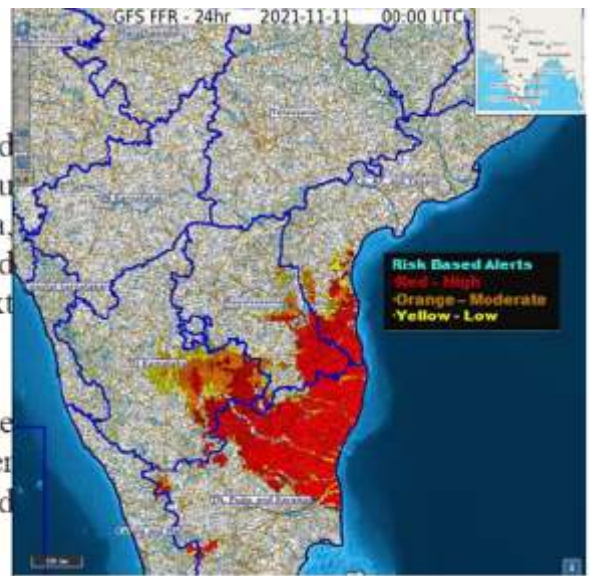
B. Action Suggested

- People in affected areas are advised to stay in safer places.
- 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 Flash Flood Risk Outlook Till 0530 IST of 12.11.2021:

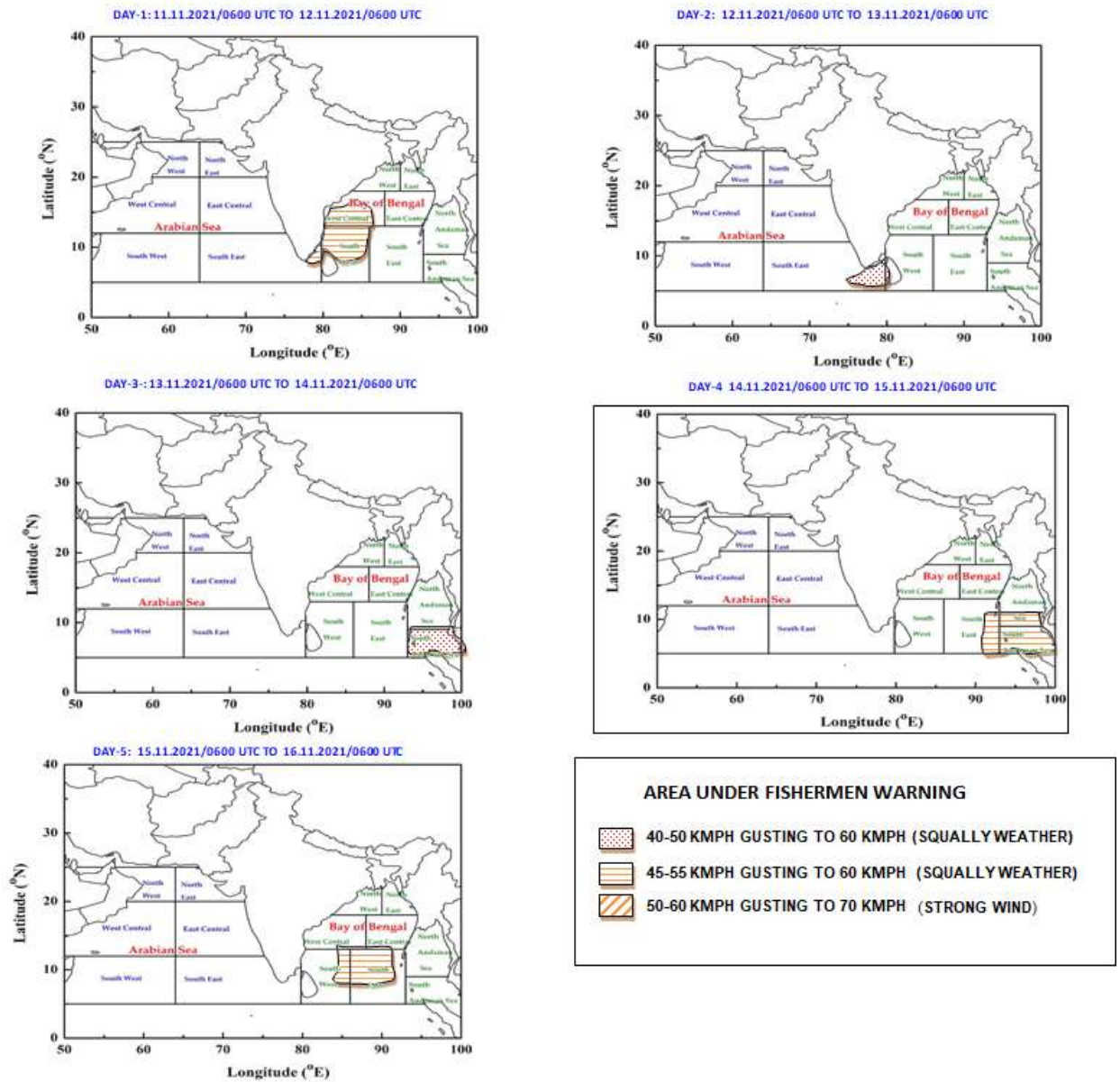
High Risk likely to over few watersheds and neighborhoods of north coastal Tamil Nadu and few watersheds of Southern Rayalaseema, Southern Co. AP adjoining to north TN and Eastern SI Karnataka met subdivisions in next 24 hours.

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 11th-15th 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)



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