



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

Press Release

Date: 09th November, 2021

Time of Issue: 1230 hrs IST

Subject: Extremely heavy rainfall spells over Tamil Nadu during 09th-11th and over south Coastal Andhra Pradesh on 11th November, 2021

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

- Under the influence of the cyclonic circulation over southeast Bay of Bengal & neighbourhood, a low pressure area has formed over the same region. It is very likely to concentrate into a Depression over Southwest & adjoining Southeast Bay of Bengal during next 36 hours. It is likely to move west–northwestwards and reach near north Tamilnadu coast by the early morning of 11th November, 2021. Under its influence:
 - ✓ Fairly widespread to widespread light to moderate rainfall is very likely over Kerala, south Coastal Andhra Pradesh and Tamil Nadu during next 5 days.
 - ✓ Isolated heavy to very heavy rainfall with isolated extremely heavy falls is very likely over Tamil Nadu, Puducherry & Karaikal during 09th - 11th and over south Coastal Andhra Pradesh on 11th November, 2021. Heavy to very heavy rainfall at isolated places also likely over Kerala & Mahe during 09th-11th; over south Coastal Andhra Pradesh on 10th and over Rayalaseema on 10th & 11th November, 2021. **(Refer Annexure II & III for warning graphic and impact based warning)**
- Squally weather (speed reaching 40-50 kmph gusting to 60 kmph) over Southwest & adjoining Westcentral Bay of Bengal and along & off south Andhra Pradesh-Tamil Nadu coasts and Gulf of Mannar during next 4 days.

- **The Well Marked Low Pressure Area (Remnant of the Depression) over central parts of Arabian Sea with the associated cyclonic circulation extending upto 5.8 km above mean sea level persists. It is likely to move west-southwestwards during next 3 days.**
- **Fisherman warning: Squally weather (speed reaching 40-50 kmph gusting to 60 kmph) very likely over Southeast Arabian sea along & off Kerala coast during next 24 hours. Fishermen are advised not to venture into these areas. (Sea Area and Fishermen Warning is given in Annexure IV)**

For more details refer:

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

Annexure I

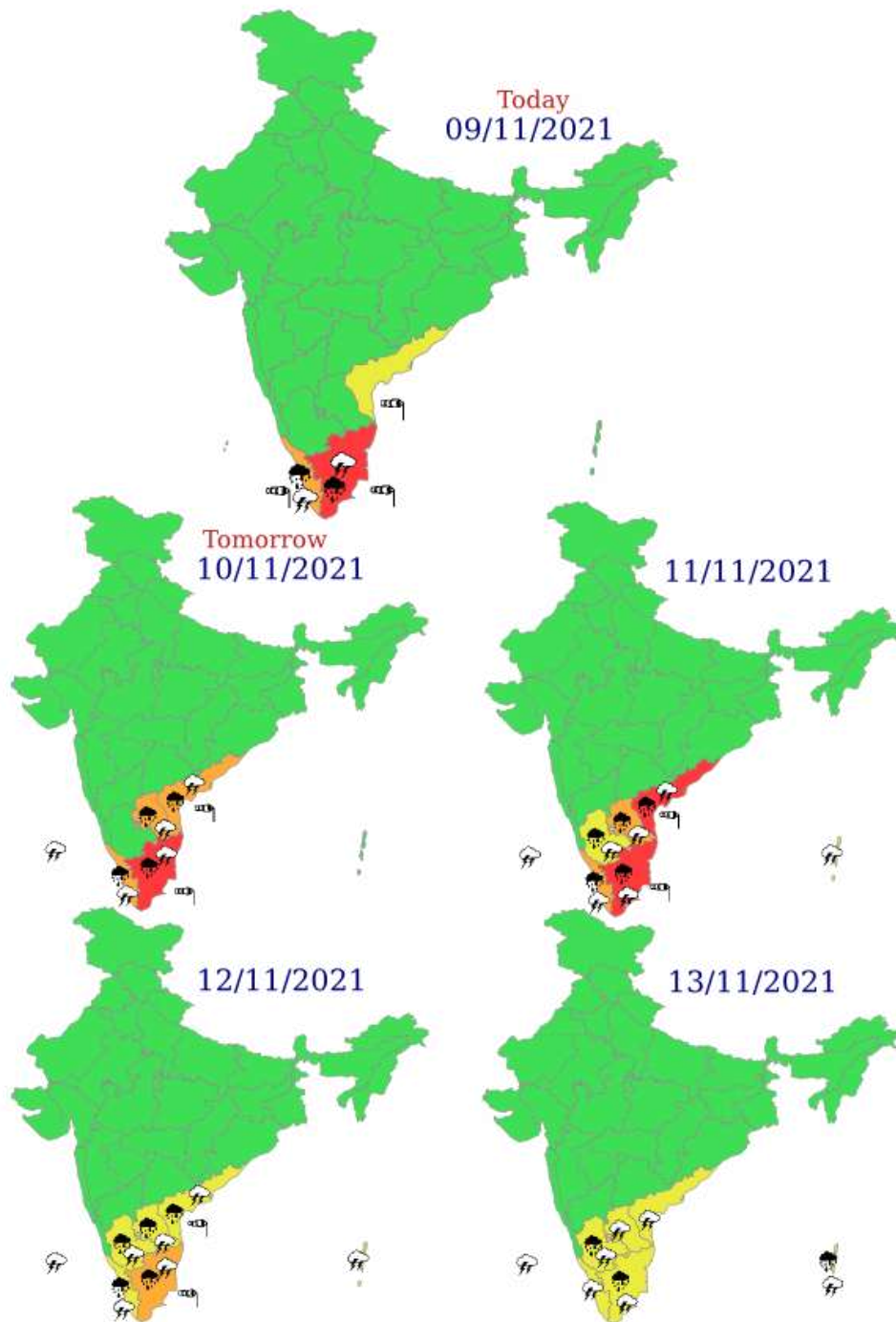
Rainfall realised during past 24 hours ending at 0830 hrs IST of today:

Tamilnadu, Puducherry & Karaikal: Chengalpattu-12; Kanyakumari, Toothukudi and Villupuram-9 each; Puducherry and Tenkasi-8 each; Kanchipuram-7; Palayankottai-6; Chennai (Numgambakkam)-5; Chennai (Minambakkam), Cuddalore, Tuticorin and Kanyakumari-4; Karaikal and Pamban-2 each

Kerala & Mahe: Kottayam-10; Kollam-9; Malappuram-8; Punalur-5; Kozhikode-3; Karipur and Thiruvananthapuram-2 each

Andaman & Nicobar Islands: Long Island-5

Annexure II



EXPECTED IMPACT & ACTION SUGGESTED due to **Very Heavy / Extremely Rainfall** over Tamilnadu, Puducherry & Karaikal during 09th-12th; over south Coastal Andhra Pradesh and Rayalaseema on 10th & 11th; over Kerala & Mahe during 09th-11th November, 2021.

A. Impact Expected

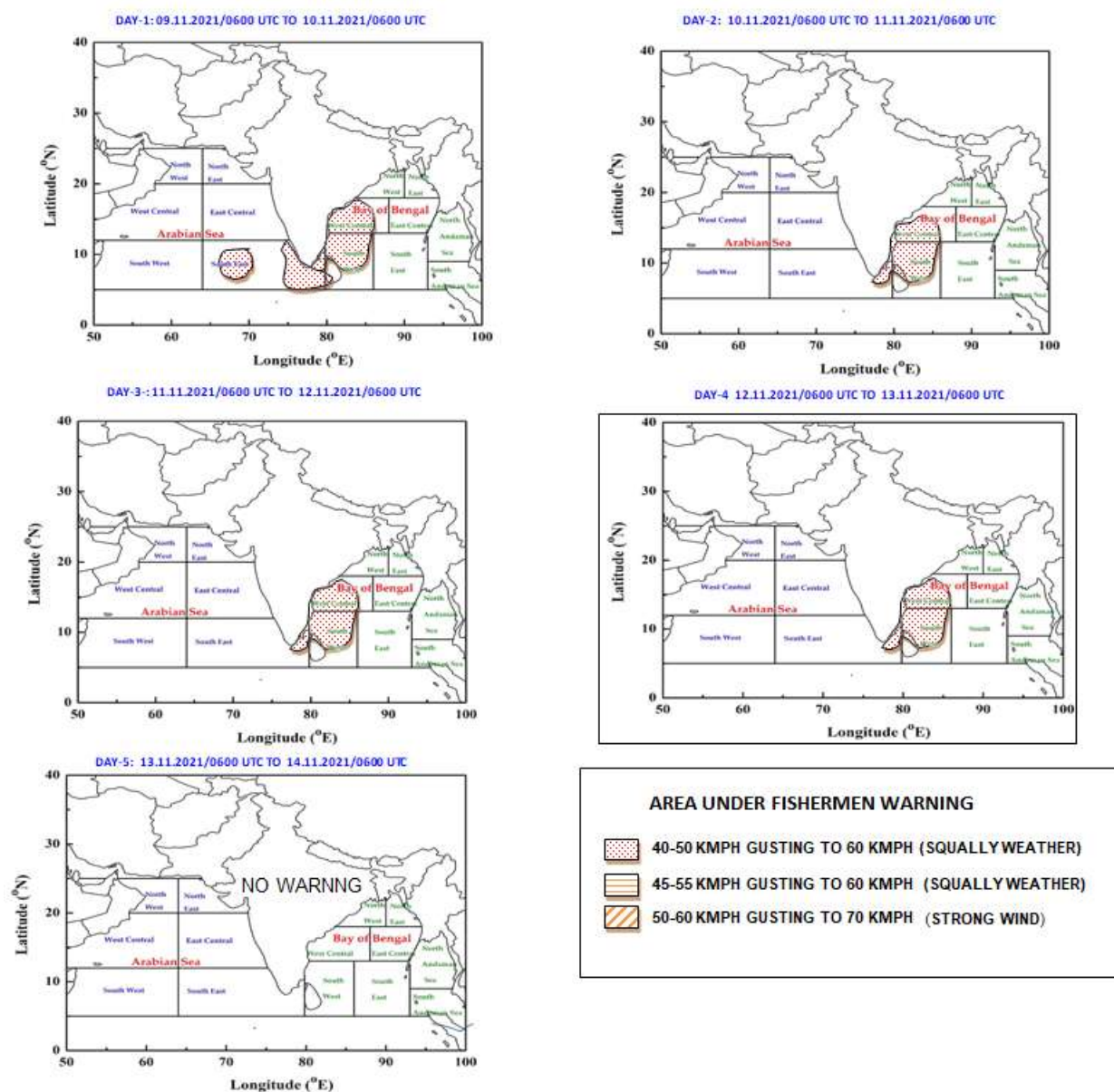
- Localized Flooding of roads, inundation and water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel 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.

Annexure IV

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



Fisherman warning for Bay of Bengal and Arabian Sea during 09th-13th 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