



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release

Date: 18th November, 2021

Time of Issue: 1230 hrs IST

Subject: i) Depression over southwest Bay of Bengal

ii) Isolated extremely heavy falls likely over Tamilnadu, Puducherry & Karaikal & Rayalaseema and very heavy rainfall over south Coastal Andhra Pradesh & South Interior Karnataka on 18th November.

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

(Annexure I)

Weather Systems:

- The **Well Marked Low Pressure Area** over Southwest & adjoining Westcentral Bay of Bengal off north Tamil Nadu-south Andhra Pradesh coasts has concentrated into a Depression over Southwest Bay of Bengal off north Tamilnadu coast and lay centred at 0830 hours IST of today, the 18th November, 2021, near Lat. 11.0°N/Long. 82.3°E, about 310 km southeast of Chennai and 290 km east-southeast of Puducherry and 270 km east-northeast of Karaikal. It is very likely to move west-northwestwards and cross north Tamilnadu & adjoining south Andhra Pradesh coasts around Chennai by the early morning of 19th November, 2021.
- The other **Low Pressure Area** over Eastcentral Arabian Sea off Maharashtra coast moved west-northwestwards and lies over Eastcentral Arabian Sea. It is likely to move west-southwestwards away from west coast of India and become more marked during next 48 hours.
- A trough runs from the cyclonic circulation associated with the above Low Pressure Area over Eastcentral Arabian Sea to southwest Madhya Pradesh across north Maharashtra at lower tropospheric level.

Forecast and Warning:

Rainfall warning:

18th November, 2021: Light to moderate rainfall at most places **with heavy to very heavy rainfall at a few places and extremely heavy falls at isolated places** very likely over Tamil Nadu, Puducherry & Karaikal, **heavy to very heavy rainfall and extremely heavy falls at isolated places** over adjoining districts of Rayalaseema and **heavy to very heavy rainfall at isolated places** over south coastal Andhra Pradesh & south interior Karnataka (**Annexure II**)

19th November, 2021: Light to moderate rainfall at most places **with heavy to very heavy rainfall** very likely over Tamil Nadu, Puducherry & Karaikal and coastal Andhra Pradesh and **heavy rainfall at isolated places** over Rayalaseema and Karnataka.

Wind warning

Squally wind speed reaching 45-55 kmph gusting to 65 kmph likely to prevail over southwest & adjoining west-central Bay of Bengal and along & off Tamil Nadu, Puducherry and adjoining south Andhra Pradesh coasts during next 24 hours and decrease gradually thereafter.

Sea condition

Sea condition will be rough to very rough over southwest & adjoining west-central Bay of Bengal and along & off Tamil Nadu, Puducherry and adjoining south Andhra Pradesh coasts during next 24 hours and decrease gradually thereafter.

Fishermen Warning

Fishermen are advised not to venture into southwest & adjoining west-central Bay of Bengal and along & off Tamil Nadu, Puducherry and adjoining south Andhra Pradesh coasts during next 24 hours. (**Annexure III**)

For more details refer:

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

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

Tamilnadu: Tiruppur: Dharmapuram-13, Palladam-8, Tiruppur, Avinasi-7 each, **Thanjavur:** Thanjavur-12, Ayyampettai-10, Budalur-8, Thanjai Papanasam, Tiruvaiyaru-7 each, **Tenkasi:** Sankarankoil-11, **Perambalur:** Chettikulam-11, **Coimbatore:** Sulur-10, Valparai-8, Chinnakalur-7, **Dindigul:** Odanchatram-9, Palani-7; **Erode:** Bhavanisagar-9; **Tiruvarur:** Needamangalam, Valangaiman-9 each; **Tirunelveli:** Palayamkottai-9, Ambasamudram-7, **Toothukudi:** Srivaikuntam, Surangudi, Kayathar-9 each, Kayalpattinam-8, **Virudhunagar:** Sattur-8, Virudhunagar-7, **Nilgiris:** Avalanche-8; **Cuddalore:** Tozhudur-7; **Royalaseema:** **YSR District:** Atlur-10, Penagaluru-9, Rajampet, Cuddapah Vallur, Utukuru-7 each, **Chittoor:** Tirupati-9, Srikalahasti, Thottambedu-7 each, Theni: gudalur, Veerapandi-7 each; **Coastal Andhra Pradesh:** **Nellore:** Atmakur-8, Vinjamur-7; **North Interior Karnataka:** Haveri: Hirekerur-10.

EXPECTED IMPACT & ACTION SUGGESTED due to isolated very heavy/extremely heavy Rainfall over Tamilnadu, Puducherry & Karaikal and south Coastal Andhra Pradesh on 18th & 19th; over South Interior Karnataka and Royalaseema on 18th November, 2021.

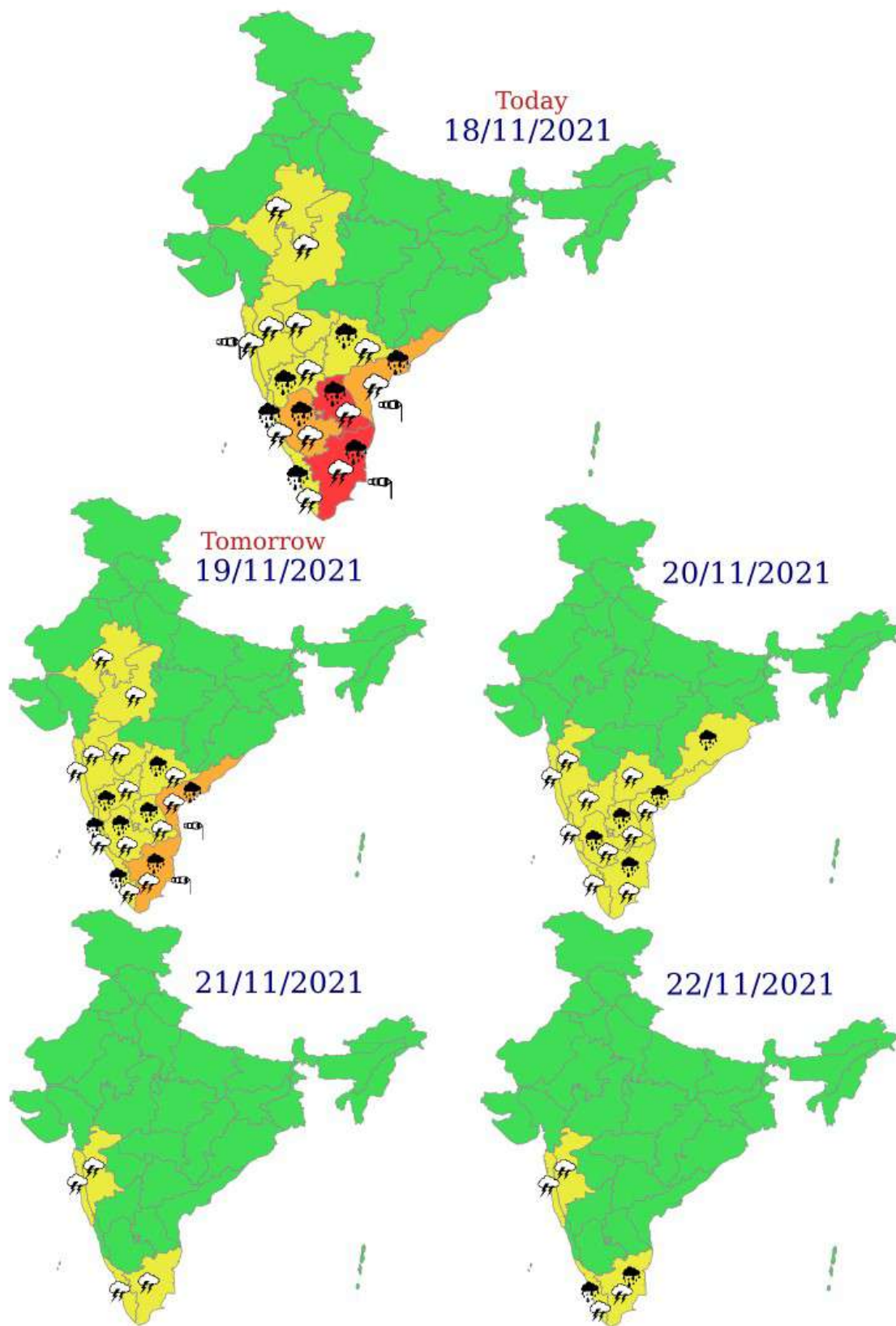
A. Impact Expected

- 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)

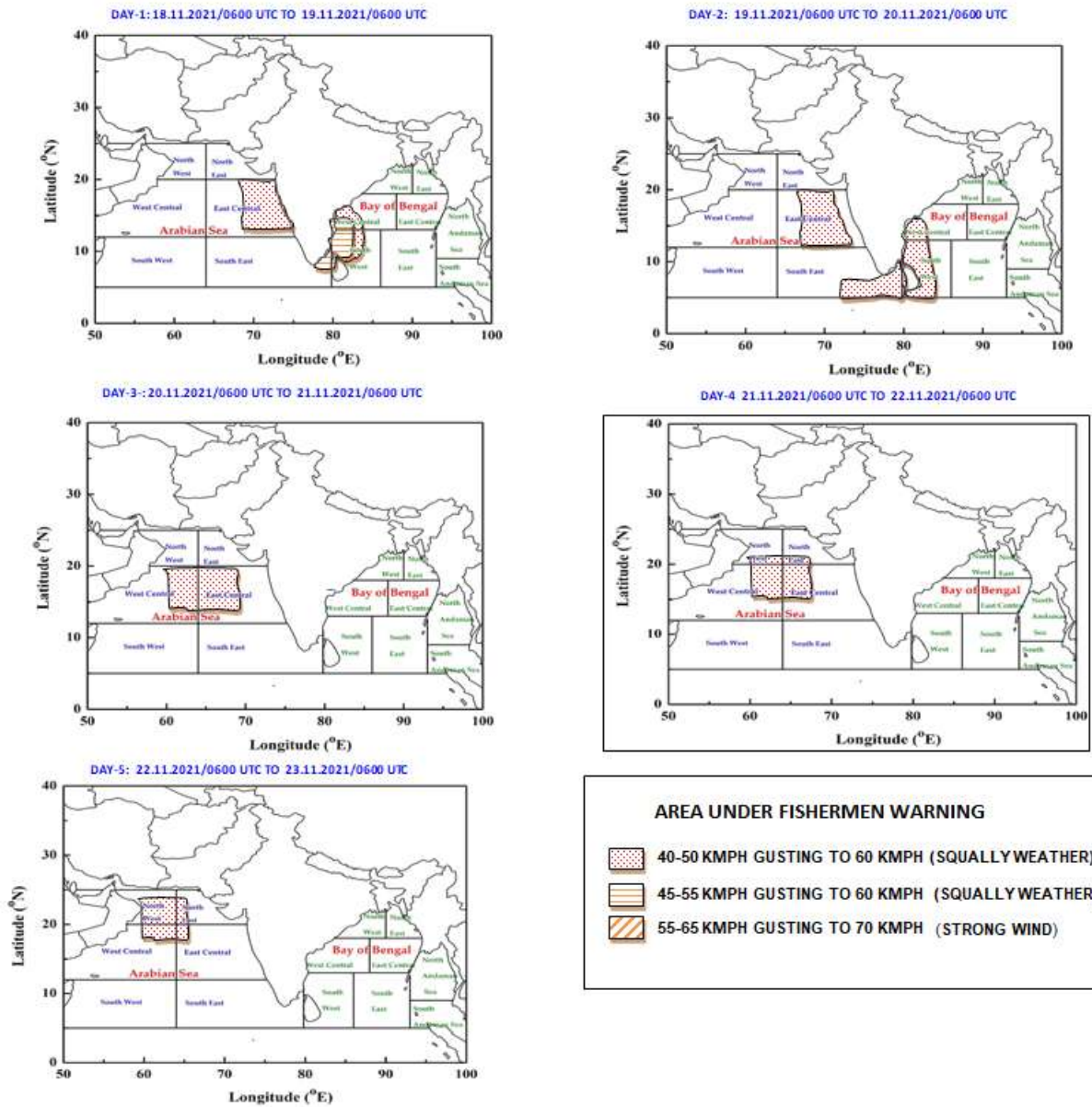
B. Action Suggested

- 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 II



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



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)



Probabilistic Forecast	
Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75