

National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

Tuesday, December 05, 2023 Time of Issue: 2045 hours IST (NIGHT)

All India Impact Based Weather Warning Bulletin

05 December (Day 1):

- Heavy to very heavy rainfall at a few places with isolated extremely heavy rainfall very likely over Coastal Andhra Pradesh & Yanam, Exceptionally Heavy rainfall at one or two places over North coastal & adjoining South coastal Andhra Pradesh & Yanam. Heavy to very heavy rainfall with isolated extremely heavy rainfall very likely over Telangana; Heavy to very heavy rainfall at isolated places likely over South coastal & adjoining south interior Odisha; Heavy rainfall at isolated places over north Tamil Nadu Chhattisgarh and Rayalaseema.
- **Thunderstorm accompanied with lightning** very likely at isolated places over north coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana, Chhattisgarh and Kerala & Mahe.
- **Dense fog** very likely at isolated places over Punjab.
- ❖ Gale wind speed reaching 65-75 kmph gusting to 85 kmph likely to prevail over Westcentral Bay of Bengal and along & off Bapatla district & 55-65 kmph gusting to 75 kmph along and off remaining districts of south Andhra Pradesh coast during next 06 hours and decrease thereafter. Squally wind speed reaching 50-60 kmph gusting to 65 kmph is prevailing along & off north Andhra Pradesh coast, it is likely to continue during next 06 hours. It would gradually decrease thereafter. Squally wind speed reaching 40-50 kmph gusting to 60 kmph is prevailing over Northwest Bay of Bengal and along & off Odisha coast and likely to continue during next 12 hours. It would gradually decrease thereafter.

06 December (Day 2):

- ❖ **Heavy rainfall** very likely at isolated places over Chhattisgarh, Odisha, Vidarbha, north Coastal Andhra Pradesh & Yanam and Telangana.
- **❖ Thunderstorm accompanied with lightning & gusty winds (speed 30-40 kmph)** very likely at isolated places over Vidarbha, Kerala & Mahe and Telangana.

07 December (Day 3):

- **Heavy rainfall** very likely at isolated places over Chhattisgarh.
- **Thunderstorm accompanied with lightning** very likely at isolated places over Kerala & Mahe.

08 December (Day 4):

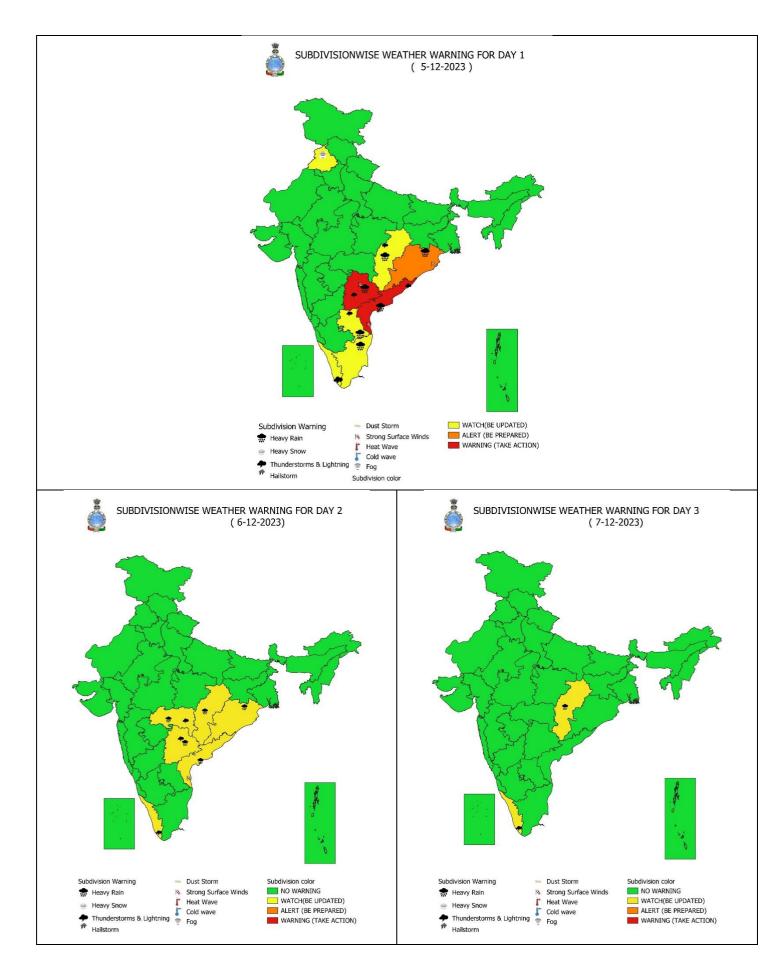
❖ Thunderstorm accompanied with lightning & gusty winds (speed 30-40 kmph) very likely at isolated places over Kerala & Mahe.

09 December (Day 5):

- * Heavy rainfall very likely at isolated places over Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.
- **❖ Thunderstorm accompanied with lightning & gusty winds (speed 30-40 kmph)** very likely at isolated places over Kerala & Mahe.

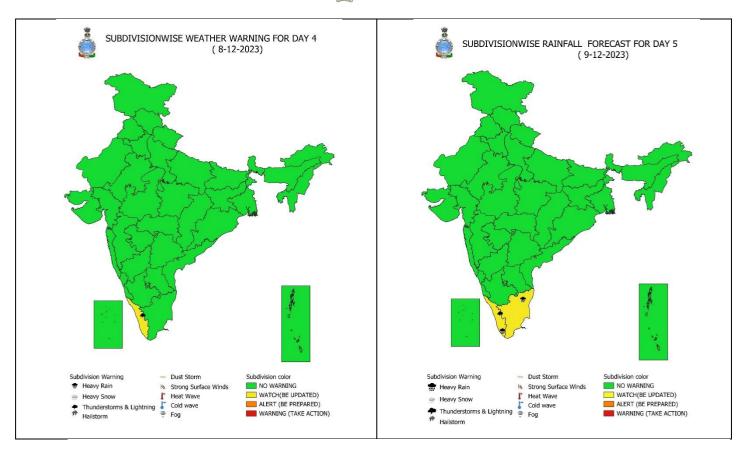








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Damage Expected over coastal districts of South Andhra Pradesh (Nellore, Tirupati Prakasam, Bapatla, Guntur, Krishna and West Godavari) and adjoining coastal districts of North Tamil Nadu:

- Major damage to thatched houses/ huts. Roof tops may blow off. Unattached metal sheets may fly.
- Possibilities of damage to vulnerable structure.
- Breaking of tree branches, uprooting of large avenue trees. Major damage to banana and papaya trees. Large dead limbs blown from trees.
- Minor damage to power and communication lines due to breaking of branches and uprooting of trees.
- Major damage to Kutcha and minor damage to Pucca roads due to heavy rain.
- Damage to paddy crops, horticultural crops and orchards.
- Sea water inundation in low lying areas after erosion of Kutcha embankments
- Inundation of low lying areas in coastal districts due to heavy rainfall and flash flood
- Localized Flooding of roads and closure of underpasses mainly in urban areas of the above region.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic due to water logging and squally winds
- Localized Landslides/Mudslides
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

Action Suggested for coastal districts of South Andhra Pradesh and adjoining coastal districts of North Tamil Nadu:

- Total suspension of fishing operations.
- Surface transport and shipping operations need to be regulated
- Onshore & Offshore operation need to be regulated as per guidelines
- Coastal hutment dwellers to be in safer places.
- People in affected areas to remain indoors.
- Avoid going to areas that face the water logging problems often.
- Avoid staying in vulnerable structure



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Fishermen Warning: Fishermen are advised not to venture into:

- Southwest Bay of Bengal and along & off North Tamil Nadu Coasts till 5th December.
- Westcentral Bay of Bengal and along & off Andhra Pradesh Coast till 6th December.
- Northwest Bay of Bengal and along & off Odisha coast till 6th December.

Flash Flood Guidance

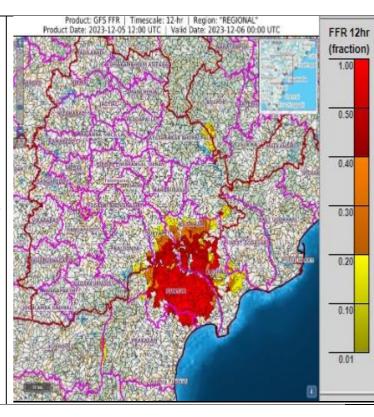
12 hours Outlook for the Flash Flood Risk (FFR) till 0530 IST of 06-12-2023 :

Low flash flood risk likely over few watersheds & neighbourhoods of following districts of coastal Andhra Pradesh and adjoining Telangana due to Cyclonic Storm Michaung during next 12 hours.

Guntur and Krishna (20 to 50 %) districts of **Andhra Pradesh**.

Suryapet and Khammam (<20%) districts of **Telangana**.

Surface runoff/ Inundation may occur at some fully saturated watersheds & low-lying areas over AoC as depicted in map due to Severe Cyclonic Storm 'Michaung' during next 12 hours.

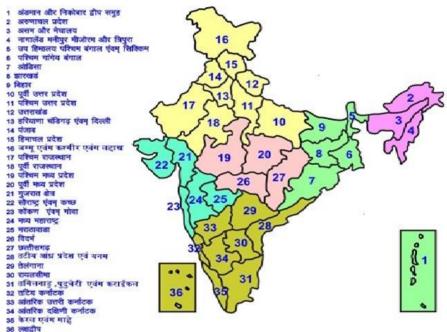


Agromet advisories for Tamil Nadu, Andhra Pradesh, Telangana, Odisha and Chhattisgarh in view of Severe Cyclonic Storm "MICHAUNG" (Based on the IBF and advisories issued by different AMFUs and DAMUs)

- Postpone harvesting of matured rice, late sown kharif groundnut and chilli in Andhra Pradesh; rice and finger millet in Odisha; rice in Chhattisgarh and picking of matured cotton bolls in Andhra Pradesh, Odisha and Telangana.
- Keep already harvested produce of crops in safer places or cover the harvested produce in the fields with tarpaulin/polythene sheets.
- Make necessary arrangements for adequate drainage in crop fields to avoid water logging.
- Postpone sowing of Bengal gram in Andhra Pradesh; rabi groundnut in Rayalaseema; sunflower, green gram and maize in Telangana and toria/mustard, rabi groundnut and rabi maize in Odisha.
- Provide mechanical support to young fruit plants and staking in vegetables to avoid lodging.







- Andaman & Nicobar Islands
 Arunachal Pradesh
 Assam & Meghalaya
 Nagaland, Manipur, Mizoram & Tripura
 Sub-Himalayan West Bengal & Sikkim
 Gangetic West Bengal
 Josisha
 Jharkhand

- 7, Odsha 8. Jharkhand 9. Bihar 10. East Uttar Pradesh

- 10. East Uttar Pradesh
 11. West Uttar Pradesh
 12. Uttarakhand
 13. Haryana, Chd & Delhi
 14. Punjab
 15. Himachal Pradesh
 16. Jammu & Kashmir and Ladakh
 17. West Rajasthan
 18. East Rajasthan
 19. West Madhya Pradesh
 20. East Madhya Pradesh
 21. Gujarat
- 21. Gujarat 22. Saurashtra
- 23. Konkan & Goa

- 23. Konkan & Goa 24. Madhya Maharashtra 25. Marathawada 26. Vidharbha 27. Chhattisgarh 28. Coastal Andhra Pradesh & Yanam 29. Telangana 30. Rayalaseema 31. Tamiliadh, Putherberry & Karaikal

- 30. Kayalaseema 31. Tamilhadu, Puducherry & Karaikal 32. Coastal Karnataka 33. North Interior Karnataka 34. South Interior Karnataka 35. Kerala & Mahe 36. 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 Widespred (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	



Heavy Rain

Strong Winds



Heavy Snow





Visibility





Thunderstorm



Cyclone



Dust Storm



Squall/ Hail



Sea State

Frost

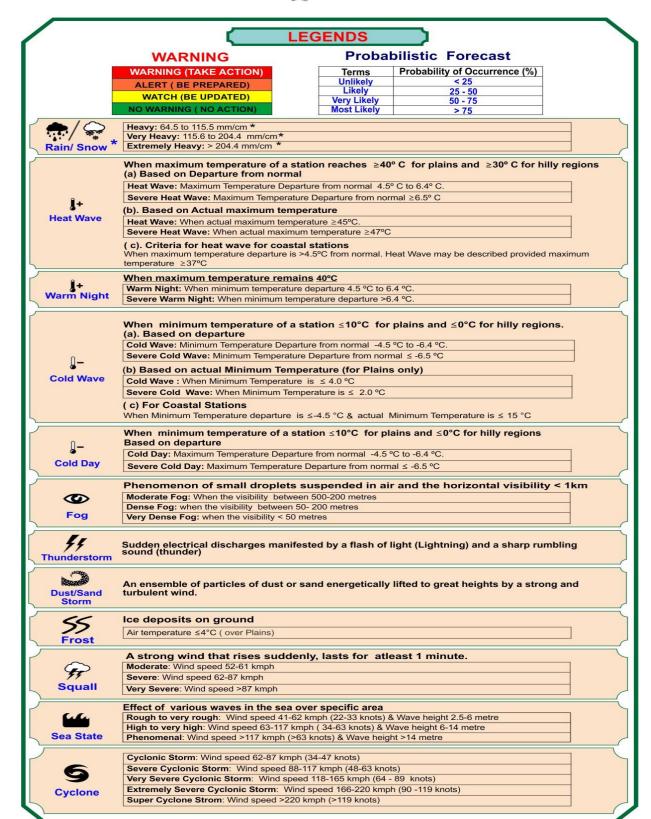


Cold Wave



Heat Wave





Kindly download MAUSAM APP for location specific forecast & warning, MEGHDOOT APP for Agromet advisory and DAMINI APP for Lightning Warning & visit state MC/RMC websites for district wise warning.