இந்திய அரசு இந்திய வானிலை ஆய்வு துறை மண்டல வானிலை ஆய்வு மையம் 6, கல்லூரி சாலை, சென்னை – 600 006 தொலைபேசி : 044- 28271951



GOVERNMENT OF INDIA INDIA METEOROLOGICAL DEPARTMENT

Regional Meteorological Centre

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Date: 28th November 2024

Time of Issue: 13:50 IST

From: REGIONAL METEOROLOGICAL CENTRE, CHENNAI

To:

The Commissioner of Revenue Administration, Govt of Tamilnadu The Special branch CID, O/o the DGP Campus, Mylapore The Commissioner of Chennai /IS- INSPECTOR CONTROLROOM / The Commissioner of Greater Chennai Corporation (tnstateeoc1@gmail.com,tn.relief@gmail.com,iscrcni@gmail.com, sbcid.city@gmail.com,commissioner@chennaicorporation.gov.in, tndgpcontrolroom@gmail.com) The Commissioner of fisheries (tnfisheries@nic.in, FisheriesTamilNaducoffisheries@gmail.com)

TheChief Secretary, Puducherry

The Commissioner-cum-Secretary(Revenue), Puducherry

The Special Secretary to Government-cum- District Collector,

Puducherry TheDistrict Collector, Karaikal

(cs.pon@nic.in, secvfin.pon@nic.in, dcrev.pon@nic.in, collr.kkl@nic.in)

Current synoptic situation (based on 28.11.2024 / 0830 IST)	The Deep Depression over Southwest Bay of Bengal rempractically stationary during past 06 hours and lay centred at hours IST of today, the 28 th November 2024 over the same r near latitude 9.1°N and longitude 82.1°E, about 110 km northeast of Trincomalee, 310 km southeast of Nagappattinan km southeast of Puducherry and 480 km south-southeast of Cherry			
Forecast	It is very likely to move nearly north-northwestwards skirting Sri Lanka coast during next 12 hours. Thereafter, it will continue to move north-northwestwards and cross north Tamilnadu- Puducherry coasts between Karaikal and Mahabalipuram around morning of 30th November as a Deep Depression with a wind speed of 50-60 kmph gusting to 70 kmph.			

Sub: Deep Depression over Bay of Bengal

There is a possibility of marginal intensification of the Deep
Depression into a Cyclonic Storm with wind speed 65-75 kmph
gusting to 85 kmph over Southwest Bay of Bengal during the
evening of 28 th November to morning of 29 th November 2024.

A continuous watch is being maintained for the movement and intensification of system.

Heavy rainfall warning for Tamilnadu, Puducherry & Karaikal:

HEAVY RAINFALL WARNING			
Day 1 (28.11.2024)	Heavy rain is likely to occur at isolated places over Chengalpattu, Villupuram, Cuddalore, Mayiladuthurai, Nagapattinam, Tiruvarur, Thanjavur, Pudukkottai, Ariyalur districts, Puducherry and Karaikal area.		
Day 2 (29.11.2024)	Scattered heavy to very heavy rain with extremely heavy rain at one or two places is likely to occur over Chengalpattu, Villupuram, Cuddalore, Mayiladuthurai, Tiruvarur, Nagapattinam districts, Puducherry and Karaikal area.		
	Heavy to very heavy rain is likely to occur at a few places over Chennai, Tiruvallur, Kancheepuram, Ariyalur and Thanjavur districts.		
	Heavy rain is likely to occur at isolated places over Ranipet, Tiruvannamalai, Kallakurichi, Perambalur, Tiruchirappalli, Pudukkottai, Sivaganga and Ramanathapuram districts.		
Day 3 (30.11.2024)	Scattered heavy to very heavy rain with extremely heavy rain at one or two places is likely to occur over Chennai, Tiruvallur, Kancheepuram, Chengalpattu, Villuppuram, Kallakurichi, Cuddalore districts and Puducherry.		
	Heavy to very heavy rain is likely to occur at a few places over Ranipettai, Tiruvannamalai, Perambalur, Ariyalur, Thanjavur, Tiruvarur, Mayiladuthurai, and Nagapattinam districts and Karaikal area.		
	Heavy rain is likely to occur at isolated places over Vellore, Tirupattur, Krishnagiri, Dharmapuri, Salem, Namakkal, Tiruchirappalli, Pudukkottai and Karur districts.		
Day 4 (01.12.2024)	Heavy to very heavy rain is likely to occur at isolated places over Nilgiris, Coimbatore, Tiruppur, Dindigul and Erode districts.		
	Heavy rain is likely to occur at isolated places over Krishnagiri, Dharmapuri, Salem, Namakkal, Karur, Theni and Madurai districts.		

Day 5	Heavy rain is likely to occur at isolated places over Nilgiris,
(02.12.2024)	Coimbatore, Tiruppur, Theni, Dindigul and Erode districts.

Wind warning for land areas:

28.11.2024 to 29.11.2024	Strong winds, speed reaching 45-55 kmph gusting to 65 kmph	
evening	is likely to prevail over the coastal areas of north Tamilnadu,	
	Puducherry & Karaikal areas.	
29.11.2024 evening to	Strong winds, speed reaching 50-60 kmph gusting to 70 kmph	
30.11.2024 afternoon	is likely to prevail over the coastal areas of north Tamilnadu,	
	Puducherry & Karaikal areas.	

Fishermen warning:

FOR TAMILNADU COASTS		
Day 1 (28-11-2024) to Day 3 (30-11-2024)	Squally wind with wind speed 55 kmph to 65 kmph gusting to 75 kmph is likely to prevail over Tamilnadu coast, adjoining Comorin area and Gulf of Mannar.	
Day 4 (01.12.2024)	Squally wind with wind speed 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail over North Tamilnadu Coast. Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph is likely to prevail over South Tamilnadu coast, Comorin area and Gulf of Mannar.	
Day 5 (02.12.2024)	Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph is likely to prevail over Tamilnadu coast, Comorin area and Gulf of Mannar.	
Fishermen out at deep Fishermen are advised period above.	sea are advised to return to the coast immediately. not to venture into the above sea areas during the mentioned	

FOR OTHER THAN TAMILNADU COASTS A. FOR BAY OF BENGAL 1. ANDHRA PRADESH COAST

Squally wind speed reaching 45-55 kmph gusting to 65 kmph is prevailing along & off **South Andhra Pradesh coasts**. It is likely to increase becoming 50-60 kmph gusting to 70 kmph from 29th evening till 30th November afternoon.

2. SOUTHWEST BAY OF BENGAL

Squally wind speed reaching 55-65 kmph gusting to 75 kmph is very likely to prevail over southwest Bay of Bengal till 30th forenoon. There could be increase in wind speed becoming gale wind speed reaching 65-75 kmph gusting to 85 kmph over this region during evening of 28th November till morning of 29th November.

3. WEST CENTRAL BAY OF BENGAL

Squally wind speed reaching 40-50 kmph gusting to 60 kmph is prevailing over adjoining areas of westcentral Bay of Bengal. It is likely to increase becoming 50-60 kmph gusting to 70 kmph from 29th evening till 30th November afternoon.

Fishermen out at deep sea are advised to return to the coast immediately. Fishermen are advised not to venture into the above sea areas during the mentioned period above.

B. FOR ARABIAN SEA

Day 1 (28-11-2024)	Squally weather with wind speed 35 kmph to 45 kmph gusting to		
to	55 kmph is likely to prevail over South Kerala Coast.		
Day 3 (30-11-2024)			
Day 4 (01-12-2024)	Squally weather with wind speed 35 kmph to 45 kmph gusting to		
&	55 kmph is likely to prevail over Kerala Coast.		
Day 5 (02-12-2024)			
Fishermen are advised not to venture into the above sea areas during the mentioned			
period above.			

Port warnings:

Local Cautionary signal number III with section signals IV kept hoisted at Nagapattinam, Cuddalore & Chennai ports.

Local Cautionary signal number III kept hoisted at Ennore, Kattupalli, Puducherry, Karaikal, Pamban & Thoothukudi ports.

Damages expected:

- ✓ Localized Flooding of roads, 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.
- \checkmark Minor damage to kutcha roads.
- ✓ Damage to horticulture and standing crops in some areas due to inundation.

Action suggested for the public:

- Check for traffic congestion in 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.
- Special care may be taken with respect to fishing ponds and poultries over coastal areas.
- Avoid staying in vulnerable structure.

Agro advisories:

Name of the Crop	Growth Stages	Likely impact on the crop due to the above-mentioned warning	Advisory
Paddy	Vegetative Growth	Water logging and crop lodging	• Maintain proper drainage in the field.
			• Avoid fertilizer, Fungicide and pesticide spray.
Sugarcane	Grand Growth or Cane Elongation Phase	Water logging and crop lodging	• Since heavy rainfall with squally wind is expected, therefore sugarcane crop is recommended to tie-up the plants for support against lodging of the crops.
			• Provide adequate drainage facilities for the removal of excess waterfrom the field.
Coconut		Water stagnation due to Heavy rain, sudden fall of old fronds.	• Expected rainfall may be stored in root zone of by deepening the inward trench along the basin.
			• Provide adequate drainage facilities for the removal of excess waterfrom the field.
			• Raise the edges of the field so that excess rainwater from outside does not enter the field.

Livestock		Prolonged exposure to wet conditions can lead to various health problems in cattle, such as footrot, mastitis, and respiratory illnesses like pneumonia. Wet, muddy conditions can also increase the risk of parasitic infections.	 Exposure of calves and kids to rain should be avoided to prevent from pneumonia attack in viewof expected high rain, thunderstorm and lightening. Do not allow the animals to graze outside. Don't tie the animals to the electric poles andunder trees. In consultation with thelocal veterinarian, vaccinate your animals against seasonal diseases.
Banana	Flowering and Fruiting stage	Waterlogging/ Soil Erosion/ Nutrient leaching/lodging/ Pest & Disease Outbreaks/ Fruit Quality	 Provide physical support to banana plants by staking them, which can prevent lodging due to strong winds and heavy rain. Ensure fields have effective drainage systems to prevent waterlogging. Constructing trenches or raised beds can help channel excess wateraway from the plants.
Spices		Waterlogging/ Rootrot/ Outbreaks of fungal disease	 Ensure that the fields have good drainage systems to prevent waterlogging. Constructing raised bedsand channels can helpdivert excess water awayfrom the crop. Ensure the proper drainage facilities in the newly planted crops.

Cotton	 Excessive rainfall can lead to waterlogged fields, which can suffocate the roots, leading toroot rot and other diseases. This can severely stunt the growth of the plants or even kill them.	 Provide proper drainage facility. Avoid fertilizer and pesticide application.
Vegetables	 Waterlogging, Damage to bower/pandals dueto heavy rain/wind.	 Check and repair/replace the rusted iron strings and poles of pandals. Avoid intercultural activities like fertilizer and pesticide application. Provide proper drainage
		facility.
Horticultural Crops	 If the water is too deep, it can submerge small vegetable plants, leading to poor establishment and potentially causingplant death.	 Provide drainage facility. Postpone the intercultural / plantprotection activities like fertilizer and pesticide application, till the rain stops.

IMD is continuously monitoring the situation & updates would be sent as & when required.

Dr.S.BALACHANDRAN Scientist-G & Head Regional Meteorological Centre, Chennai

















