

இந்திய அரசு  
இந்திய வானிலை ஆய்வு துறை  
மண்டலவானிலை ஆய்வுமையம்  
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GOVERNMENT OF INDIA  
INDIA METEOROLOGICAL DEPARTMENT  
**Regional Meteorological Centre**  
New No. 6, College Road, Chennai-600 006  
Phone:044- 28271951

**Date: 20<sup>th</sup> May 2024**

**Time of Issue: 14:00 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  
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The Commissioner of fisheries  
([tnfisheries@nic.in](mailto:tnfisheries@nic.in), FisheriesTamilNadu[coffisheries@gmail.com](mailto:coffisheries@gmail.com))  
The Chief Secretary, Puducherry  
The Commissioner-cum-Secretary(Revenue), Puducherry  
The Special Secretary to Government-cum- District Collector, Puducherry  
The District Collector, Karaikal  
([cs.pon@nic.in](mailto:cs.pon@nic.in), [secyfin.pon@nic.in](mailto:secyfin.pon@nic.in), [dcrev.pon@nic.in](mailto:dcrev.pon@nic.in), [collr.kkl@nic.in](mailto:collr.kkl@nic.in))

**Subject: (i) Rainfall activity over Tamilnadu, Puducherry & Karaikal during next five days and (ii) likely formation of low pressure system over Bay of Bengal**

**Past 24 hour rainfall summary:**

Rainfall occurred at *most* places over South Interior Tamilnadu, at *many* places over North Interior Tamilnadu and at a *few* places over Coastal Tamilnadu & Puducherry; light rain occurred over Karaikal area during the past 24 hours ending 08:30 IST of 20.05.2024.

*Isolated very heavy rain* occurred over Ramanathapuram district and *isolated heavy* rain occurred over Madurai, Thiruchirapalli, Pudukkottai, Ariyalur, Thanjavur, Sivagangai, Namakkal, Erode, Salem & Dindigul districts during the same period.

**Current meteorological situation:**

- (i) Yesterday's cyclonic circulation over south interior Tamilnadu & neighbourhood now lies over south coastal Tamil Nadu & neighbourhood and extends upto 3.1 km above mean sea level tilting southwestwards with height.
- (ii) A trough runs from above cyclonic circulation over south coastal Tamil Nadu to North Interior Karnataka across South Interior Karnataka at 0.9 km above mean sea level.
- (iii) A cyclonic circulation lies over north Kerala & neighbourhood between 1.5 km & 5.8 km above mean sea level.

(iv) A Low Pressure Area is likely to form over Southwest Bay of Bengal around 22<sup>nd</sup> May, 2024. It is likely to move initially northeastwards and concentrate into a Depression over central parts of Bay of Bengal by morning of 24<sup>th</sup> May, 2024.

**Weather forecast & warnings for the next five days:**

*Light to moderate* rainfall at *many / a few* places with *isolated heavy to very heavy / heavy* rain with *thunderstorm and lightning* is likely over Tamilnadu, Puducherry & Karaikal during the next five days (20.05.2024 to 24.05.2024) as detailed below:

HEAVY RAINFALL WARNING	
Day 1 (20.05.2024)	<i>Heavy to very heavy</i> rain is likely to occur at isolated places over Nilgiris, Coimbatore, Tiruppur, Theni, Dindigul, Pudukkottai and Thanjavur districts.
	<i>Heavy</i> rain is likely to occur at isolated places over Kanyakumari, Tirunelveli, Thoothukudi, Tenkasi, Ramanathapuram, Virudhunagar, Madurai, Sivaganga, Tiruvarur, Nagapattinam & Mayiladuthurai districts and Karaikal area.
Day 2 (21.05.2024)	<i>Heavy to very heavy</i> rain is likely to occur at isolated places over Theni, Virudhunagar and Tenkasi districts.
	<i>Heavy</i> rain is likely to occur at isolated places over Kanyakumari, Tirunelveli, Madurai, Dindigul, Tiruppur, Coimbatore, Nilgiris, Sivaganga, Pudukkottai, Thanjavur, Tiruvarur, Nagapattinam & Mayiladuthurai districts and Karaikal area.
Day 3 (22.05.2024)	<i>Heavy</i> rain is likely to occur at isolated places over Theni, Tenkasi, Tirunelveli and Kanyakumari districts.
Day 4 (23.05.2024)	<i>Heavy</i> rain is likely to occur at isolated places over Kanyakumari, Tirunelveli, Tenkasi, Krishnagiri, Dharmapuri and Tirupattur districts.
Day 5 (24.05.2024)	<i>Heavy</i> rain is likely to occur at isolated places over Nilgiris and Kanyakumari districts.

**Fishermen warning:**

DAY	WARNING
Day 1 (20.05.2024)	Squally weather with wind speed reaching 40 kmph to 45 kmph gusting to 55 kmph is likely to prevail over Comorin Area, Gulf of Mannar, Tamilnadu coast, Karnataka Coast, Kerala coast, Lakshadweep area, Maldives area, southwest and adjoining southeast Bay of Bengal and Andaman Sea. Squally weather with wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail over southwest Bay of Bengal adjoining south Sri Lanka Coast. <b>Fishermen are advised not to venture into the above sea areas.</b>
Day 2 (21.05.2024)	Squally weather with wind speed reaching 40 kmph to 45 kmph gusting to 55 kmph is likely to prevail over Tamilnadu coast, Comorin Area, Gulf of Mannar, along and off

	<p>Karnataka Coast, Kerala Coast, Lakshadweep area, Maldives area, central Bay of Bengal and Andaman Sea.</p> <p>Squally weather with wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail along and off Kerala Coast and southwest and adjoining southeast Bay of Bengal.</p> <p><b>Fishermen are advised not to venture into the above sea areas.</b></p>
<b>Day 3 (22.05.2024)</b>	<p>Squally weather with wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail over Comorin Area, Gulf of Mannar, along and off south Kerala Coast, southwest and adjoining southeast Bay of Bengal.</p> <p>Squally weather with wind speed reaching 40 kmph to 45 kmph gusting to 55 kmph is likely to prevail along and off Karnataka -north Kerala Coast, Lakshadweep area, Maldives area, central Bay of Bengal and Andaman Sea.</p> <p><b>Fishermen are advised not to venture into the above sea areas.</b></p>
<b>Day 4 (23.05.2024)</b>	<p>Squally weather with wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail over Comorin Area, Gulf of Mannar, along and off south Kerala Coast, south and adjoining central Bay of Bengal.</p> <p>Squally weather with wind speed reaching 40 kmph to 45 kmph gusting to 55 kmph is likely to prevail along and off Karnataka - north Kerala Coast, Lakshadweep area, Maldives area, central Bay of Bengal and Andaman Sea.</p> <p><b>Fishermen are advised not to venture into the above sea areas.</b></p>
<b>Day 5 (24.05.2024)</b>	<p>Squally weather with wind speed reaching 50 kmph to 60 kmph gusting to 70 kmph is likely to prevail over westcentral Bay of Bengal.</p> <p>Squally weather with wind speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail along and off south and central Bay of Bengal, Comorin Area and Gulf of Mannar.</p> <p>Squally weather with wind speed reaching 40 kmph to 45 kmph gusting to 55 kmph is likely to prevail along and off Kerala Coast, north Bay of Bengal and Andaman Sea.</p> <p><b>Fishermen are advised not to venture into the above sea areas.</b></p>
<p><b>Fishermen are in deep sea are advised to return to the coast by 23<sup>rd</sup> May, 2024.</b></p>	

**P.Senthamarai Kannan**  
**Scientist-F (RWFC)**  
**Regional Meteorological Centre, Chennai**

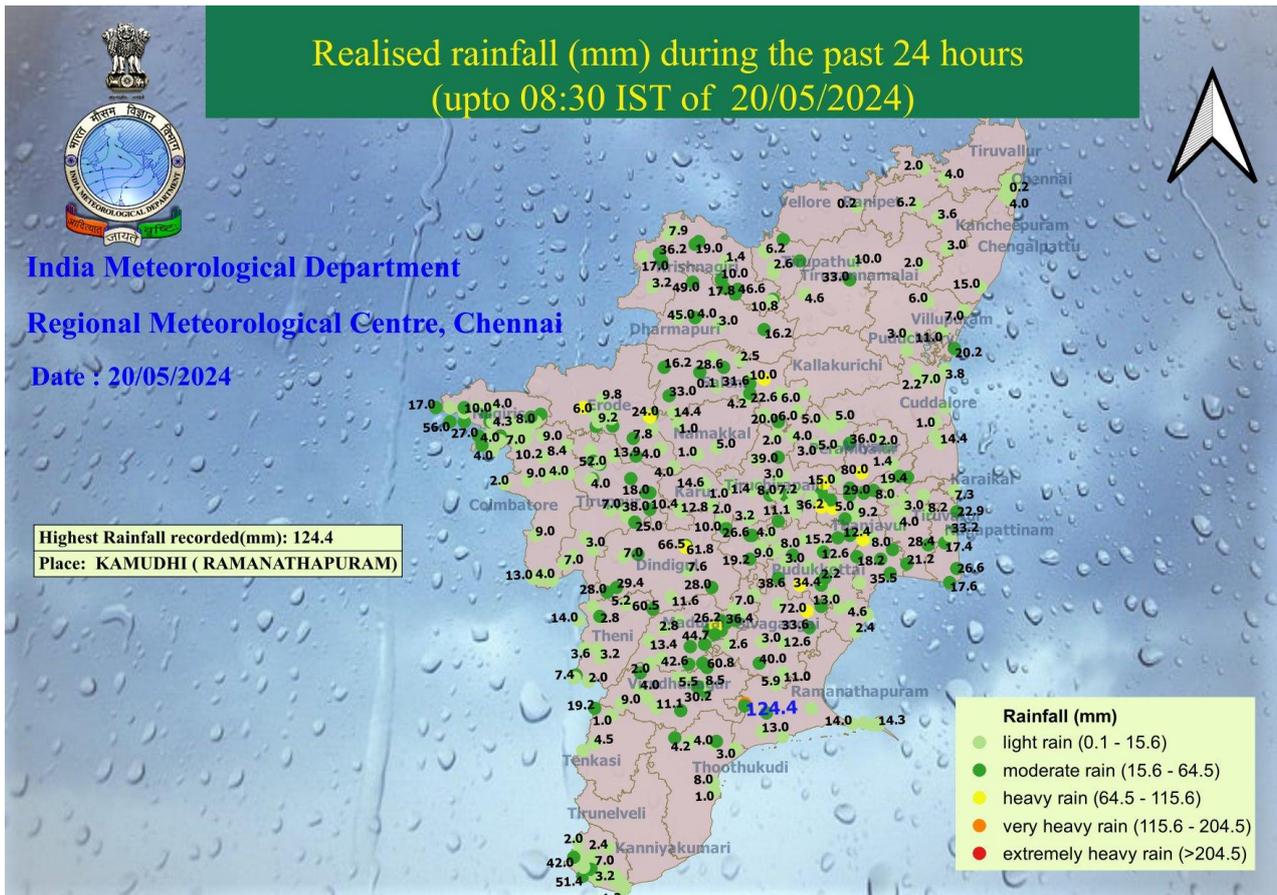
**Legend:**

Spatial rainfall distribution:

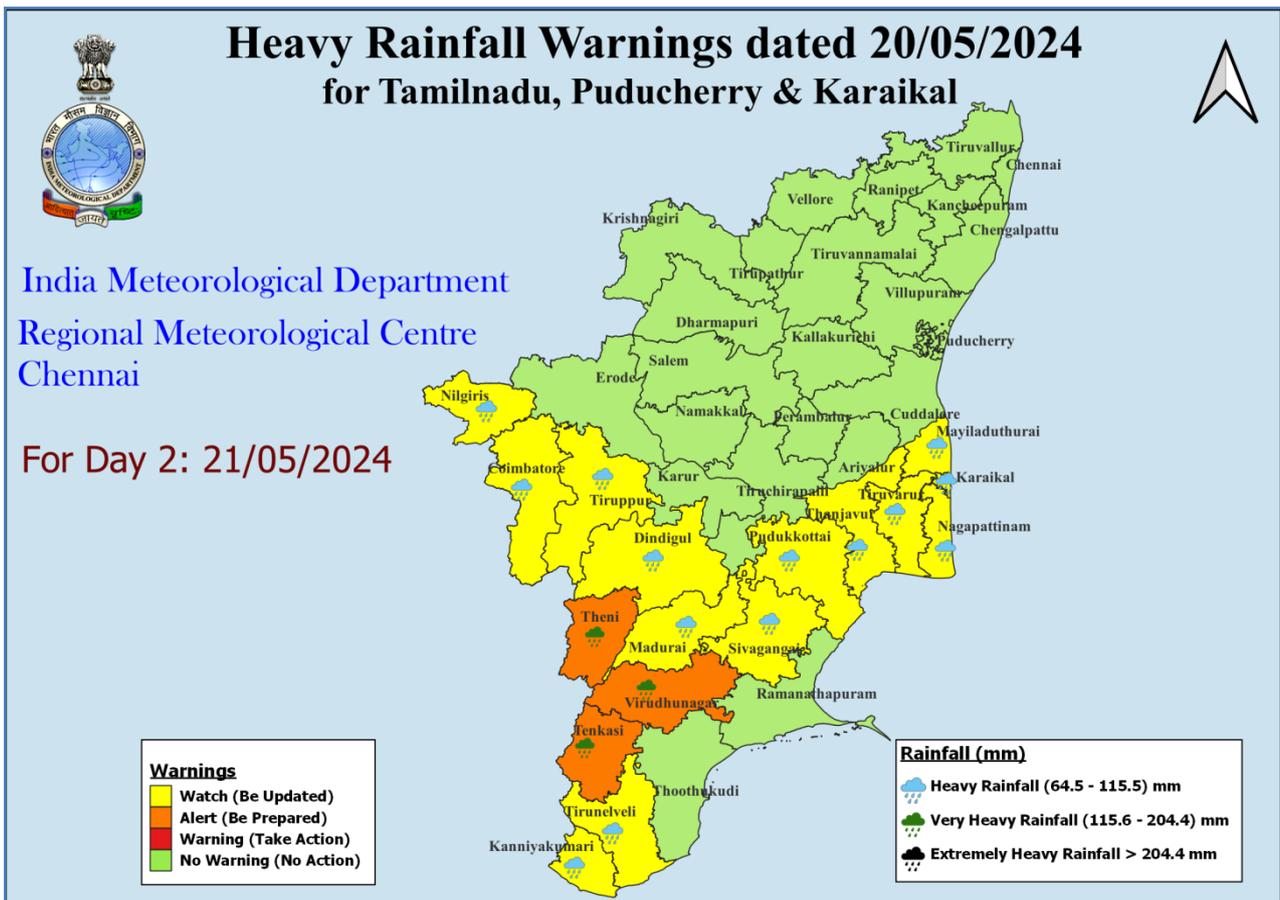
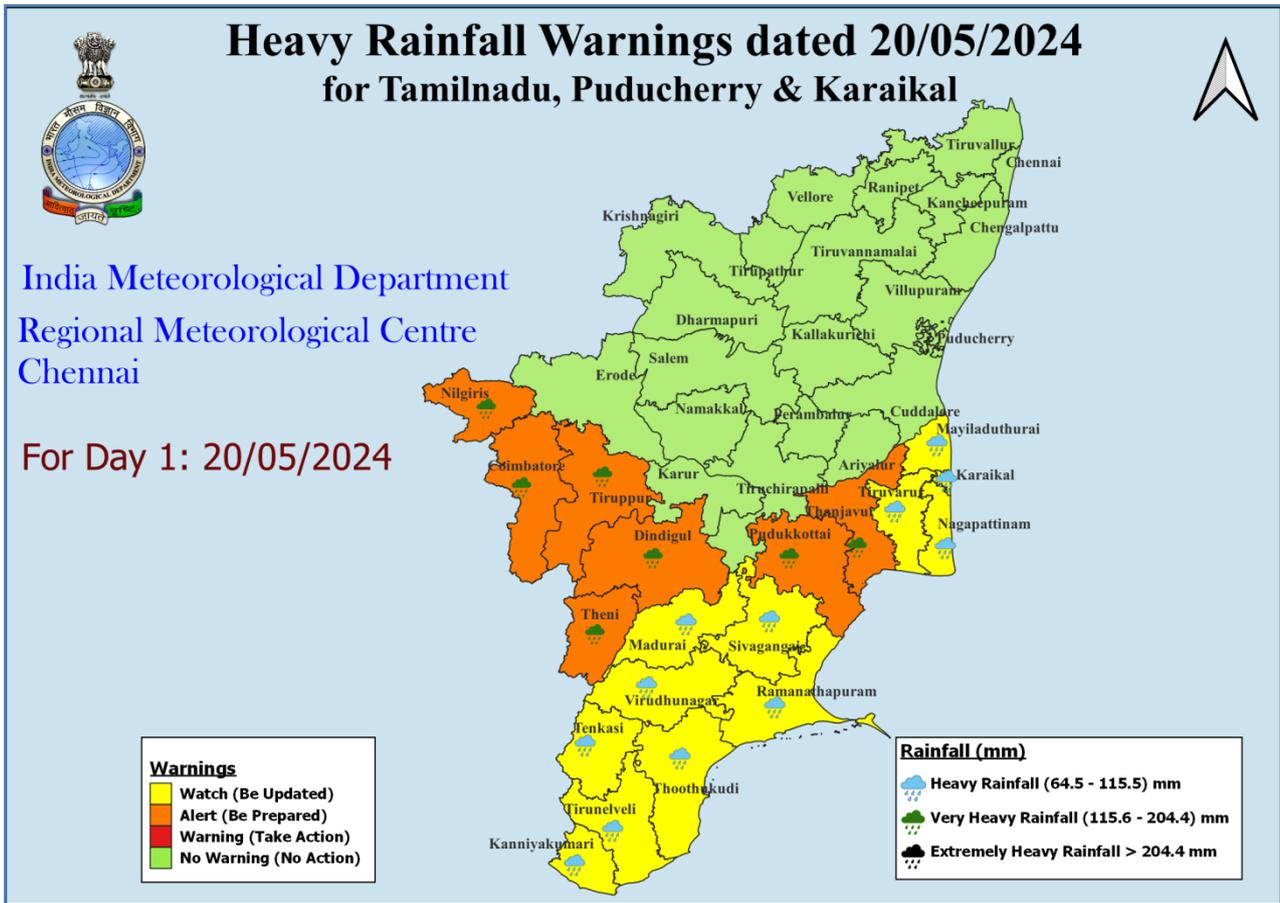
% Stations reporting Rainfall	Category
76-100	Widespread (WS/ most places)
51-75	Fairly Widespread (FWS/ many places)
26-50	Scattered (SCT/ few places)
1 -25	Isolated (ISOL/ one or two places)
No Rain	Dry

Rainfall intensity:

Past 24-hr accumulated rainfall (cm/day)	Category
Upto 1	Light rain
2-6	Moderate rain
7-11	Heavy rain
12-20	Very heavy rain
≥ 21	Extremely heavy rain



Heavy rainfall warning maps: 20.05.2024 – 24.05.2024





## Heavy Rainfall Warnings dated 20/05/2024 for Tamilnadu, Puducherry & Karaikal



India Meteorological Department  
Regional Meteorological Centre  
Chennai

For Day 3: 22/05/2024

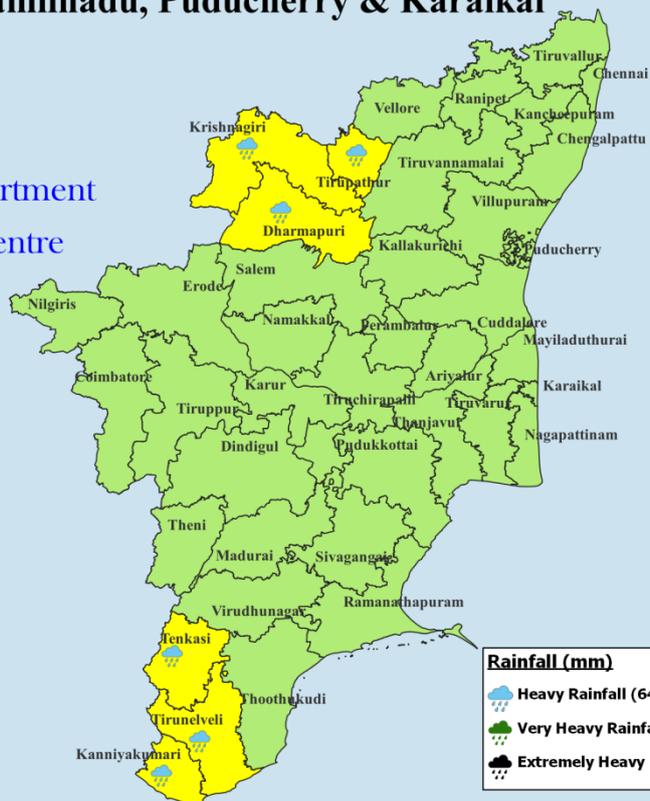


## Heavy Rainfall Warnings dated 20/05/2024 for Tamilnadu, Puducherry & Karaikal



India Meteorological Department  
Regional Meteorological Centre  
Chennai

For Day 4: 23/05/2024





# Heavy Rainfall Warnings dated 20/05/2024 for Tamilnadu, Puducherry & Karaikal



India Meteorological Department  
Regional Meteorological Centre  
Chennai

For Day 5: 24/05/2024

