

இந்திய அரசு  
இந்திய வானிலை ஆய்வு துறை  
மண்டலவானிலை ஆய்வுமையம்  
6, கல்லூரி சாலை, சென்னை - 600 006  
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GOVERNMENT OF INDIA  
INDIA METEOROLOGICAL DEPARTMENT  
**Regional Meteorological Centre**  
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Date: 16<sup>th</sup> May 2024

Time of Issue: 13:00 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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[tndgpcontrolroom@gmail.com](mailto:tndgpcontrolroom@gmail.com))  
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: Enhanced rainfall activity over Tamilnadu, Puducherry & Karaikal during the next five days**

Under the influence of an upper air cyclonic circulation over southwest Bay of Bengal and adjoining south Sri Lanka, rainfall occurred at *many* places over Tamilnadu and over Karaikal area during the past 24 hours ending 08:30 IST of 16.05.2024. Light rain occurred over Puducherry area.

*Isolated heavy to very heavy* rain occurred over Thanjavur, Tiruvarur and Sivagangai districts; *isolated heavy* rain also occurred over Mayiladuthurai, Nagapattinam, Karaikal, Pudukkottai, Madurai, Dindigul, Salem, Namakkal & Theni districts during the same period.

Yesterday's upper air circulation over the southwest Bay of Bengal and adjoining south Sri Lanka is now seen over Gulf of Mannar and adjoining Comorin area and south Tamilnadu up to the mid tropospheric levels. It is likely to move gradually westwards. Under its influence, *light to moderate* rainfall at *many* places with *isolated heavy to very heavy* rain, **thunderstorm and lightning with strong winds, speeding reaching 40-50 kmph** is likely over Tamilnadu, Puducherry & Karaikal during the next five days (16.05.2024 to 20.05.2024). **Extremely heavy** rain is also likely at one or two places over the delta and adjoining south coastal districts on 16.05.2024 and over western ghat areas on 20.05.2024 as detailed below:

HEAVY RAINFALL WARNING	
<b>Day 1</b> <b>(16.05.2024)</b>	Isolated heavy to very heavy rain with extremely heavy rain at one or two places is likely to occur over Thanjavur, Pudukkottai and Ramanathapuram districts.
	Heavy to very heavy rain is likely to occur at isolated places over Kanyakumari, Tirunelveli, Thoothukudi, Sivaganga and Tiruvarur districts.
	Heavy rain is likely to occur at isolated places over Tenkasi, Virudhunagar, Madurai, Theni, Dindigul, Tiruchirappalli, Perambalur, Ariyalur, Nagapattinam, Mayiladuthurai and Cuddalore districts and Karaikal area.
<b>Day 2</b> <b>(17.05.2024)</b>	Heavy to very heavy rain is likely to occur at isolated places over Kanyakumari, Tirunelveli, Thoothukudi, Tenkasi and Theni districts.
	Heavy rain is likely to occur at isolated places over Virudhunagar, Ramanathapuram, Sivaganga, Madurai, Dindigul, Pudukkottai, Tiruvarur, Thanjavur, Nagapattinam, Mayiladuthurai, Tiruppur, Coimbatore, Nilgiris and Erode districts and Karaikal area.
<b>Day 3</b> <b>(18.05.2024)</b>	Heavy to very heavy rain is likely to occur at isolated places over Kanyakumari, Tirunelveli, Tenkasi, Theni, Coimbatore and Nilgiris districts.
	Heavy rain is likely to occur at isolated places over Tiruppur, Dindigul, Madurai, Virudhunagar, Thoothukudi, Ramanathapuram, Sivaganga, Pudukkottai, Thanjavur, Tiruvarur, Nagapattinam, Mayiladuthurai, Karaikal, Tiruchirappalli, Karur, Namakkal, Salem, Dharmapuri, Krishnagiri, Tirupattur and Erode districts.
<b>Day 4</b> <b>(19.05.2024)</b>	Heavy to very heavy rain is likely to occur at isolated places over Ghat areas of Coimbatore, Nilgiris, Theni, Dindigul, Tenkasi, Tirunelveli and Kanyakumari districts.
	Heavy rain is likely to occur at isolated places over Tiruppur, Erode, Dharmapuri, Krishnagiri, Salem, Tiruchirappalli, Namakkal, Karur, Pudukkottai, Thanjavur, Tiruvarur, Nagapattinam, Mayiladuthurai, Madurai and Virudhunagar districts and Karaikal area.
<b>Day 5</b> <b>(20.05.2024)</b>	Isolated heavy to very heavy rain with extremely heavy rain at one or two places is likely to occur over Ghat areas of Coimbatore, Nilgiris, Dindigul, Theni, Tenkasi, Tirunelveli and Kanyakumari districts.
	Heavy to very heavy rain is likely to occur at isolated places over Erode, Tiruppur, Madurai, Virudhunagar and Thoothukudi districts.
	Heavy rain is likely to occur at isolated places over Tirupattur, Krishnagiri, Dharmapuri, Salem, Namakkal, Karur, Tiruchirappalli, Thanjavur, Tiruvarur, Mayiladuthurai, Nagapattinam, Pudukkottai, Sivaganga and Ramanathapuram districts and Karaikal area.

**Fishermen warning:**

DAY	WARNING
Day 1 (16.05.2024) to Day 5 (20.05.2024)	Squally weather with wind speed reaching 40 kmph to 45 kmph gusting to 55 kmph is likely to prevail over southwest Bay of Bengal adjoining Sri Lanka coast, Comorin Area, Gulf of Mannar, along and off South Tamilnadu coast. <b>Fishermen are advised not to venture into the above sea areas during the period mentioned above.</b>
Day 3 (18.05.2024) to Day 5 (20.05.2024)	Squally weather with wind speed reaching 40 kmph to 45 kmph gusting to 55 kmph is likely to prevail along Maldives and Lakshadweep area, along and off South Kerala. <b>Fishermen are advised not to venture into the above sea areas during the period mentioned above.</b>

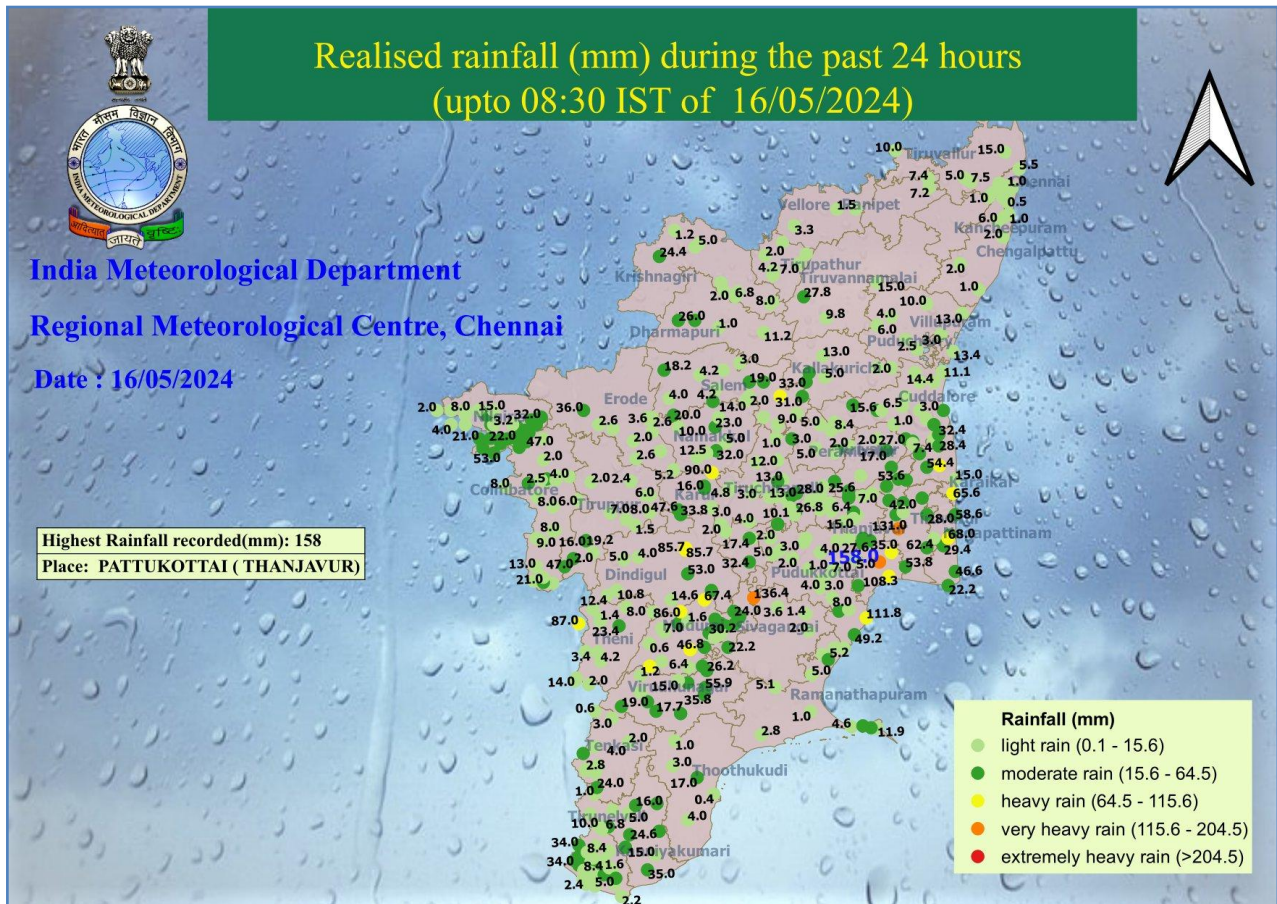
**P.Senthamarai Kannan**  
**Scientist-F (RWFC)**  
**Regional Meteorological Centre, Chennai**

**Legend:**Spatial rainfall distribution:

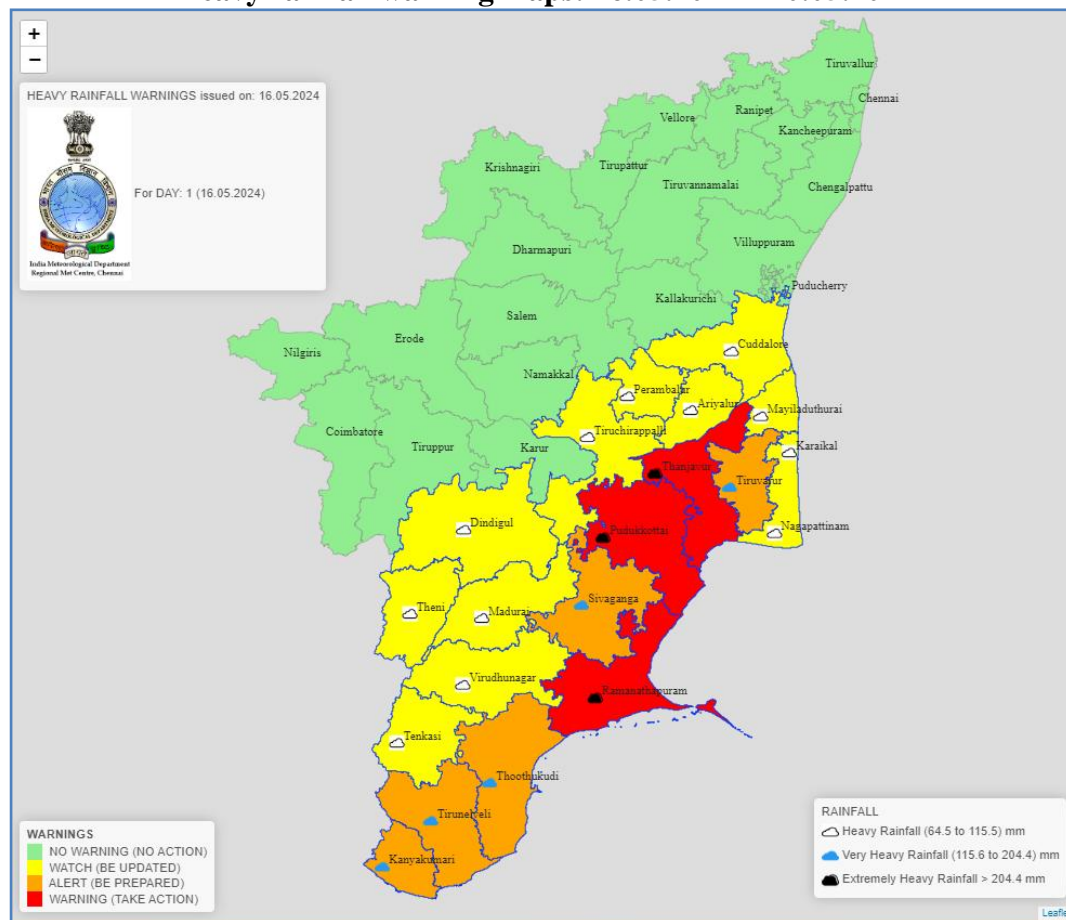
% Stations reporting Rainfall	Category
76-100	Widespread (WS/ most places)
51-75	Fairly Widespread (FWS/ many places)
26-50	Scattered (SCT/ few places)
1 -25	Isolated (ISOL/ one or two places)
No Rain	Dry

Rainfall intensity:

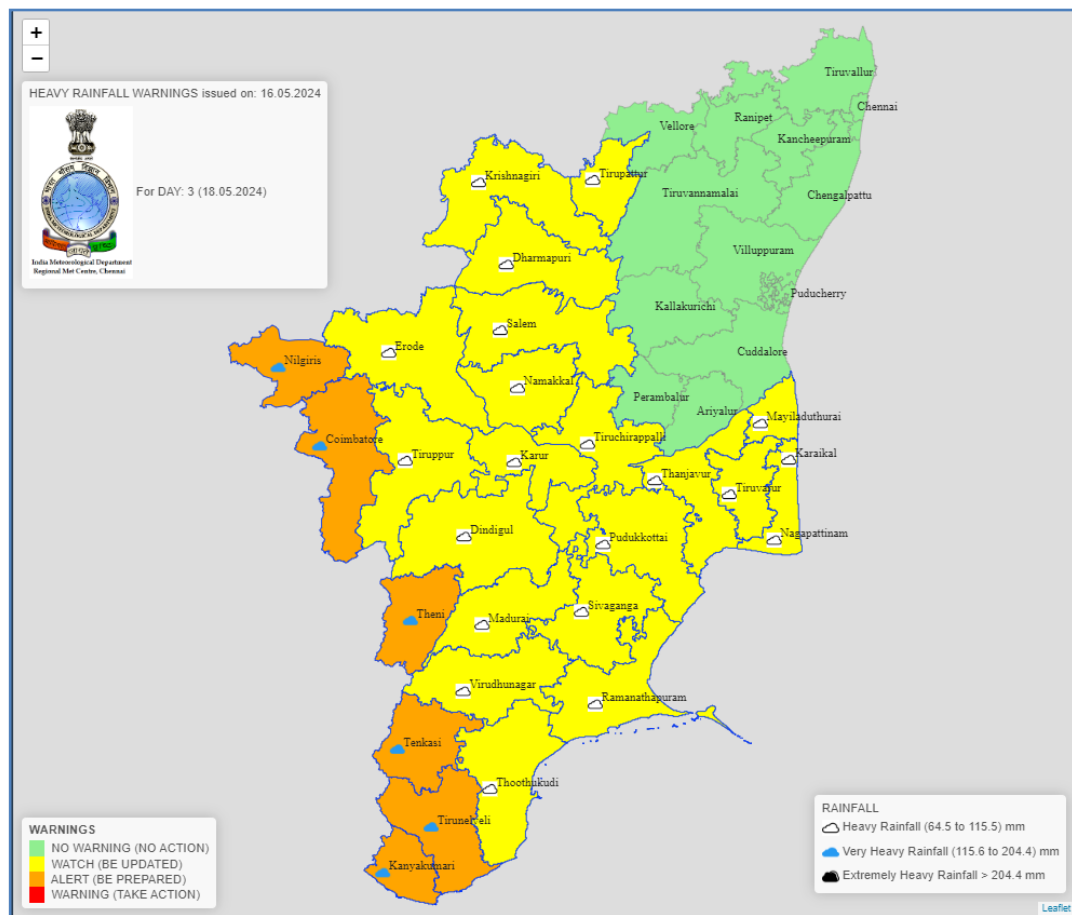
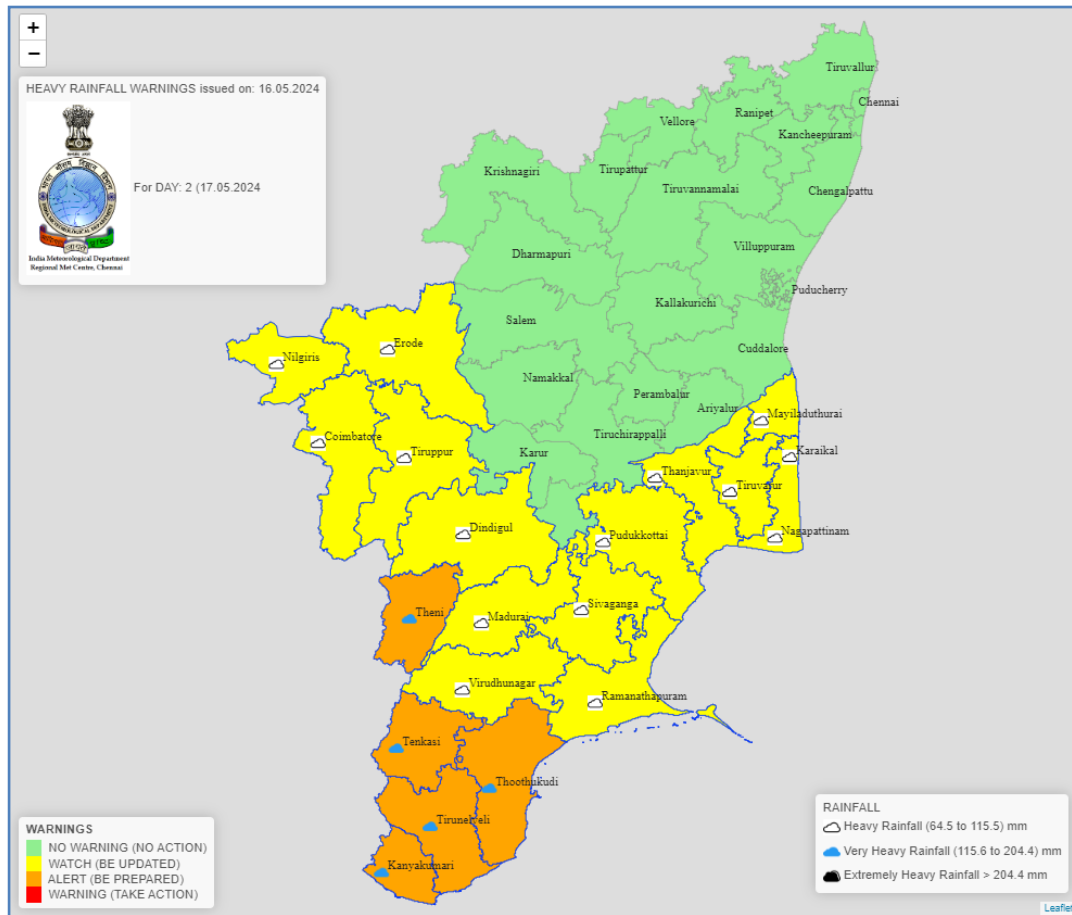
Past 24-hr accumulated rainfall (cm/day)	Category
Upto 1	Light rain
2-6	Moderate rain
<b>7-11</b>	<b>Heavy rain</b>
<b>12-20</b>	<b>Very heavy rain</b>
<b>≥ 21</b>	<b>Extremely heavy rain</b>

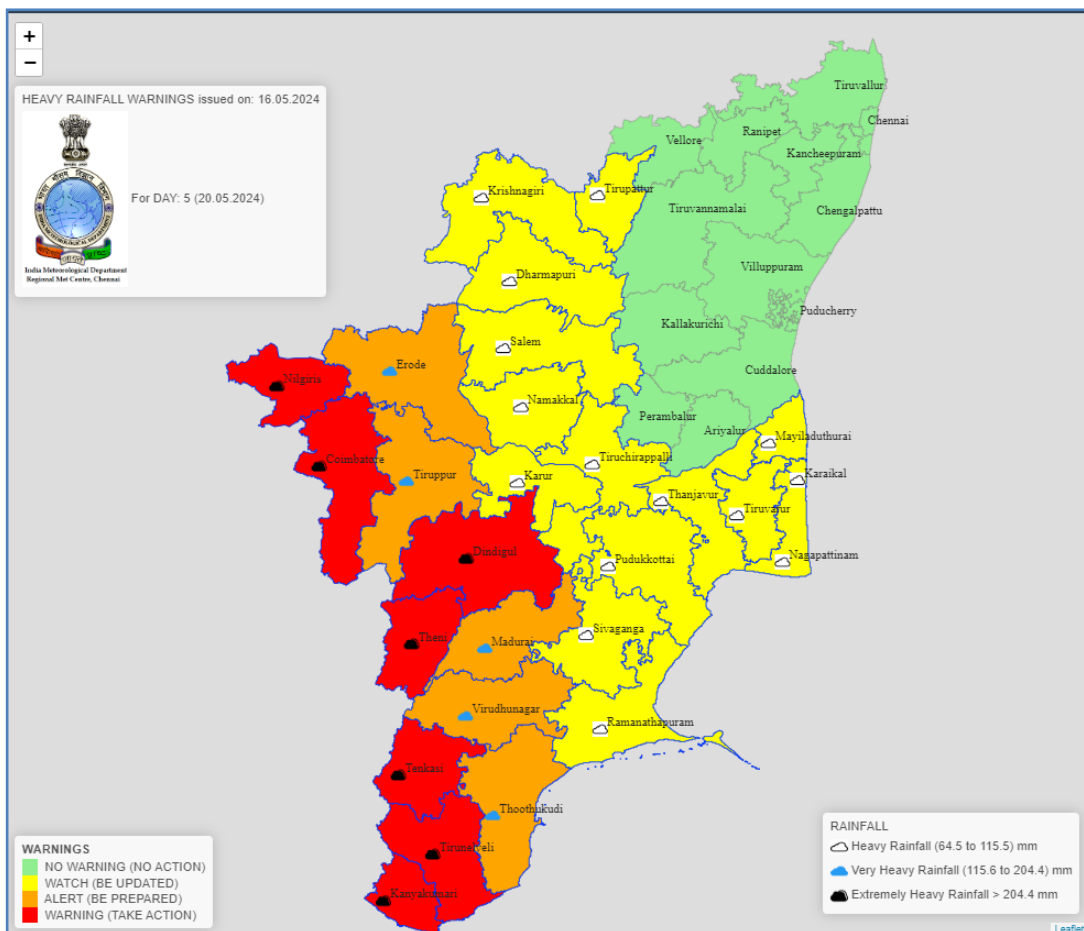
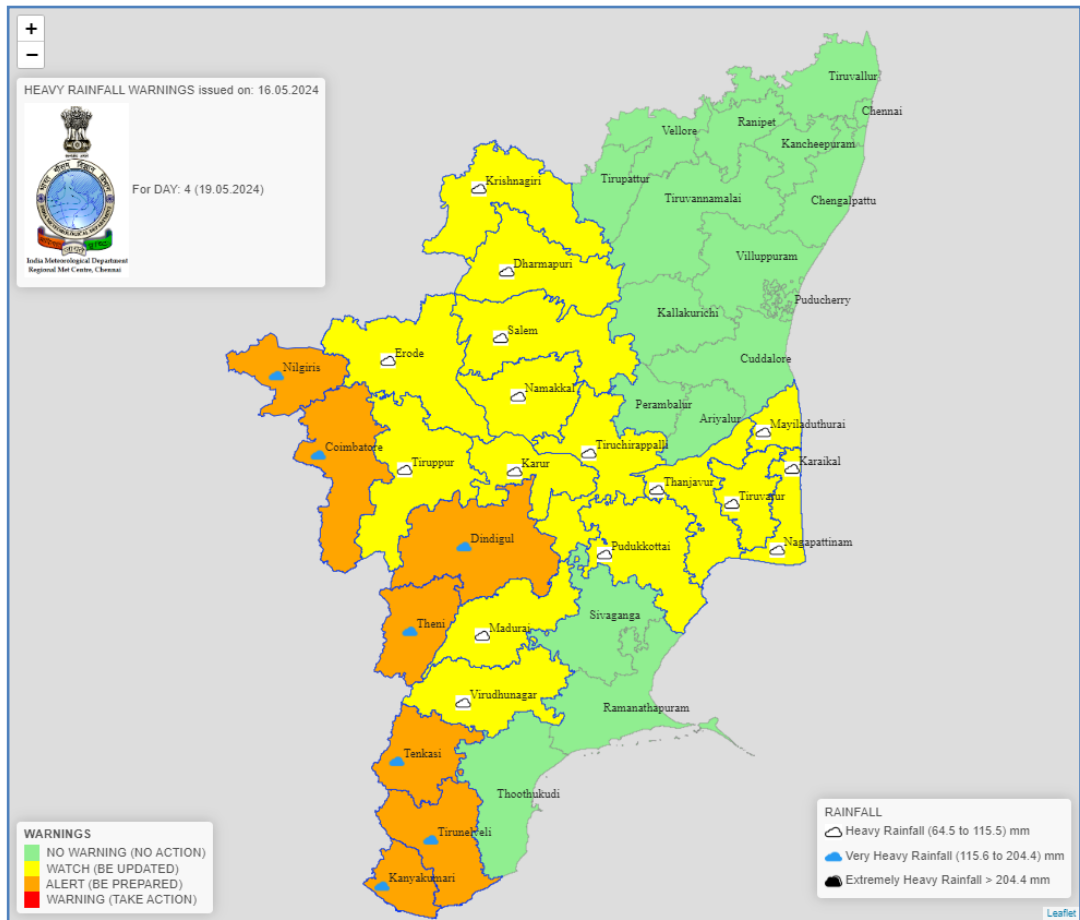


### Heavy rainfall warning maps: 16.05.2024 – 20.05.2024









## Fishermen Warning Graphics

**Day 1: 16.05.2024/11:30AM to 17.05.2024/05:30AM**



**Day 2: 17.05.2024/05:30AM to 18.05.2024/05:30AM**



**Day 3: 18.05.2024/05:30AM to 19.05.2024/05:30AM**



**Day 4: 19.05.2024/05:30AM to 20.05.2024/05:30AM**



**Day 5: 20.05.2024/05:30AM to 21.05.2024/05:30AM**



**Squally Weather with wind speed 40-45 kmph gusting to 55 kmph**

**Fishermen are advised not to venture into the marked areas.**