

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**  
New No. 6, College Road, Chennai-600 006  
Phone: 044- 28271951

**Date: 16<sup>th</sup> October 2024**

**Time of Issue: 13:30 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](mailto:tnstateeoc1@gmail.com), [tn.relief@gmail.com](mailto:tn.relief@gmail.com), [iscrcni@gmail.com](mailto:iscrcni@gmail.com),  
[sbcid.city@gmail.com](mailto:sbcid.city@gmail.com), [commissioner@chennaicorporation.gov.in](mailto:commissioner@chennaicorporation.gov.in),  
[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))

**Sub: Depression over the Bay of Bengal**

The **Depression** over southwest Bay of Bengal moved west-northwestwards with a speed of 15 kmph during past 6 hours and lay centered at 0830 hours IST of today, the 16<sup>th</sup> October 2024 over southwest and adjoining westcentral Bay of Bengal near latitude 12.3° N and longitude 83.0° E, about 320 km east-southeast of Chennai (Tamilnadu), 350 km east-northeast of Puducherry and 400 km southeast of Nellore (Andhra Pradesh).

It is likely to move west-northwestwards and cross north Tamil Nadu - South Andhra Pradesh coasts between Puducherry and Nellore, close to Chennai during early morning of 17<sup>th</sup> October.

*Heavy to very heavy rain with extremely heavy rain at one or two places* occurred over Chennai & Tiruvallur districts during the past 24 hours. *Isolated heavy to very heavy rain / heavy* also occurred over Kancheepuram, Chengalpattu and Kallakurichi districts during the same period.

*Heavy to extremely heavy rain at one or two places* is likely over Chennai, Tiruvallur, Chengalpattu & Kanchipuram districts during the next 24 hours. *Heavy-very heavy / heavy rain* is also likely over north Tamilnadu during the subsequent two days as detailed below:

**(i) Heavy rainfall warnings:**

<b>Day 1 (16.10.2024)</b>	Heavy to extremely heavy rain at one or two places is likely to occur over <b>Chennai, Chengalpattu, Kancheepuram and Tiruvallur districts.</b>
	Heavy to very heavy rain is likely to occur at isolated places over <b>Ranipet, Vellore, Tiruvannamalai, Villupuram, Cuddalore, Kallakurichi districts and Puducherry.</b>
	Heavy rain is likely to occur at isolated places over <b>Tirupattur, Krishnagiri, Dharmapuri, Salem, Thanjavur, Perambalur, Ariyalur, Mayiladuthurai, Tiruvarur, Nagapattinam districts and Karaikal area.</b>
<b>Day 2 (17.10.2024)</b>	Heavy to very heavy rain is likely to occur at isolated places over <b>Chennai, Tiruvallur, Ranipet, Tiruvannamalai, Vellore, Tirupattur, Villupuram, Chengalpattu, Kancheepuram districts and Puducherry.</b>
	Heavy rain is likely to occur at isolated places over <b>Krishnagiri, Dharmapuri, Kallakurichi and Cuddalore districts.</b>
<b>Day 3 (18.10.2024)</b>	Heavy rain is likely to occur at isolated places over <b>Tirupattur, Krishnagiri, Dharmapuri, Salem, Erode, Tiruvannamalai, Kallakurichi, Cuddalore, Villupuram, Vellore districts and Puducherry.</b>

**(ii) Fishermen Warning:**

<b>FOR TAMIL NADU COASTS</b>	
<b>DAY</b>	<b>WARNING</b>
<b>Day 1 (16.10.2024) &amp; Day 2 (17.10.2024)</b>	Squally weather with wind speed 40 kmph to 50 kmph gusting to 60 kmph prevail over North Tamilnadu Coast. Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph prevail over South Tamilnadu Coast, Gulf of Mannar and Comorin area.
<b>Day 3 (18.10.2024) to Day 5 (20.10.2024)</b>	Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph prevail over South Tamilnadu Coast, Gulf of Mannar and Comorin area.
<b>Fishermen are advised not to venture into the above sea areas during the mentioned period above.</b>	

<b>FOR OTHER THAN TAMILNADU COASTS</b>	
<b>DAY</b>	<b>WARNING</b>
<b>Day 1 (16.10.2024)</b>	Squally weather with wind speed 40 kmph to 50 kmph gusting to 60 kmph prevail over northern parts of Southwest Bay of Bengal, southern parts of Westcentral Bay of Bengal, South Andhra Pradesh coasts. Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph is likely to prevail over along & off Kerala Coast, adjoining Lakshadweep area, Karnataka Coast, north Andhra Pradesh Coast, over Southwest Bay of Bengal, adjoining Southeast Bay of Bengal and many parts of Westcentral Bay of Bengal.

<b>Day 2 (17.10.2024)</b>	<p>Squally weather with wind speed 40 kmph to 50 kmph gusting to 60 kmph prevail over parts of Southwest Bay of Bengal, Westcentral Bay of Bengal, South Andhra Pradesh coasts.</p> <p>Squally weather with wind speed 35 kmph to 45 kmph gusting to 55 kmph is likely to prevail over along &amp; off Kerala Coast, adjoining Lakshadweep area, Karnataka Coast, north Andhra Pradesh Coast, many parts of Southwest Bay of Bengal and many parts of Westcentral Bay of Bengal.</p>
<b>Fishermen are advised not to venture into the above sea areas during the mentioned period above.</b>	

**(v) Forecast for Chennai city for 15.10.2024:** Sky condition is likely to be generally cloudy. Isolated heavy to extremely heavy rain with thunderstorm and lightning at one or two places is likely to occur.

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

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

### **LEGEND:**

Spatial rainfall distribution:

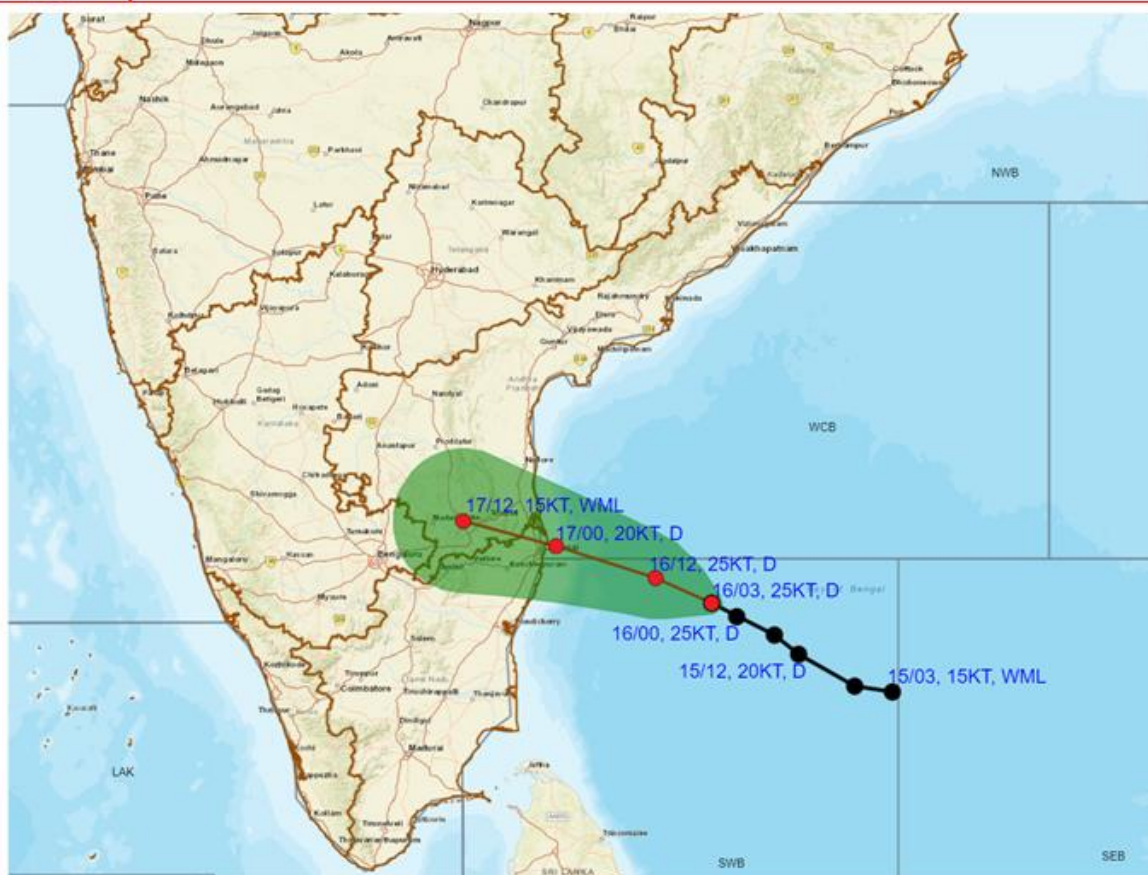
<b>% Stations reporting Rainfall</b>	<b>Category</b>
76-100	Widespread (WS/ most places)
51-75	Fairly Widespread (FWS/ many places)
26-50	Scattered (SCT/ few places)
1 -25	Isolated (ISOL/ one or two places)
No Rain	Dry

Rainfall intensity:

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



**OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY (COU) OF DEPRESSION OVER SOUTHWEST AND ADJOINING WESTCENTRAL BAY OF BENGAL BASED ON 0300 UTC (0830 Hrs. IST) OF 16<sup>th</sup> OCTOBER, 2024**



**DATE/TIME IN UTC**

**IST=UTC + 0530**

**L: LOW PRESSURE AREA**

**WML: WELL MARKED LOW PRESSURE AREA**

**D: DEPRESSION (17-27 KT)**

**DD: DEEP DEPRESSION (28-33 KT)**

**CS: CYCLONIC STORM (34-47 KT)**

**SCS: SEVERE CYCLONIC STORM (48-63KT)**

**VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)**

**ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)**

**SuCS: SUPER CYCLONIC STORM (≥ 120 KT)**

**● LESS THAN 34 KT**

**○ 34-47 KT**

**⊗ ≥ 48 KT**

**— OBSERVED TRACK**

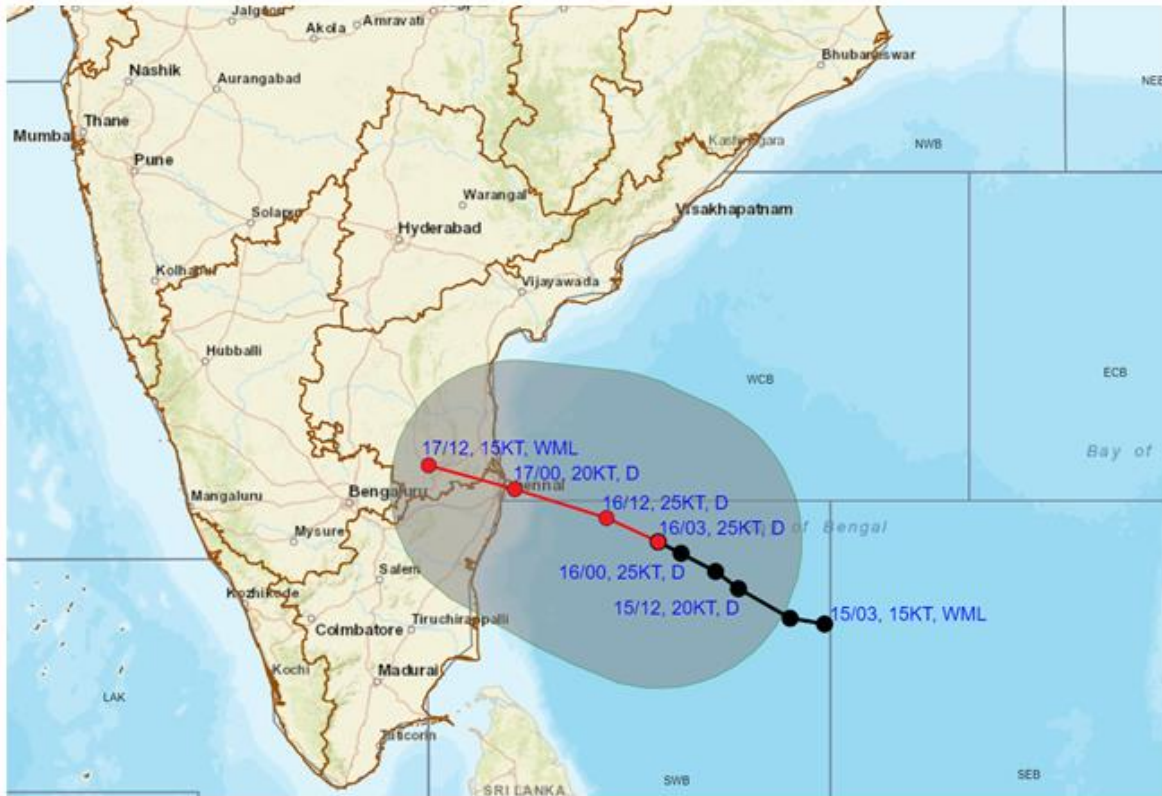
**— FORECAST TRACK**

**▲ CONE OF UNCERTAINTY**





**OBSERVED AND FORECAST TRACK ALONGWITH QUADRANT WIND DISTRIBUTION OF DEPRESSION OVER SOUTHWEST AND ADJOINING WESTCENTRAL BAY OF BENGAL BASED ON 0300 UTC (0830 Hrs. IST) OF 16<sup>th</sup> OCTOBER, 2024**



DATE/TIME IN UTC

IST=UTC + 0530

L: LOW PRESSURE AREA

WML: WELL MARKED LOW PRESSURE AREA

D: DEPRESSION (17-27 KT)

DD: DEEP DEPRESSION (28-33 KT)

CS: CYCLONIC STORM (34-47 KT)

SCS: SEVERE CYCLONIC STORM (48-63KT)

● LESS THAN 34 KT

○ 34-47 KT

● ≥ 48 KT

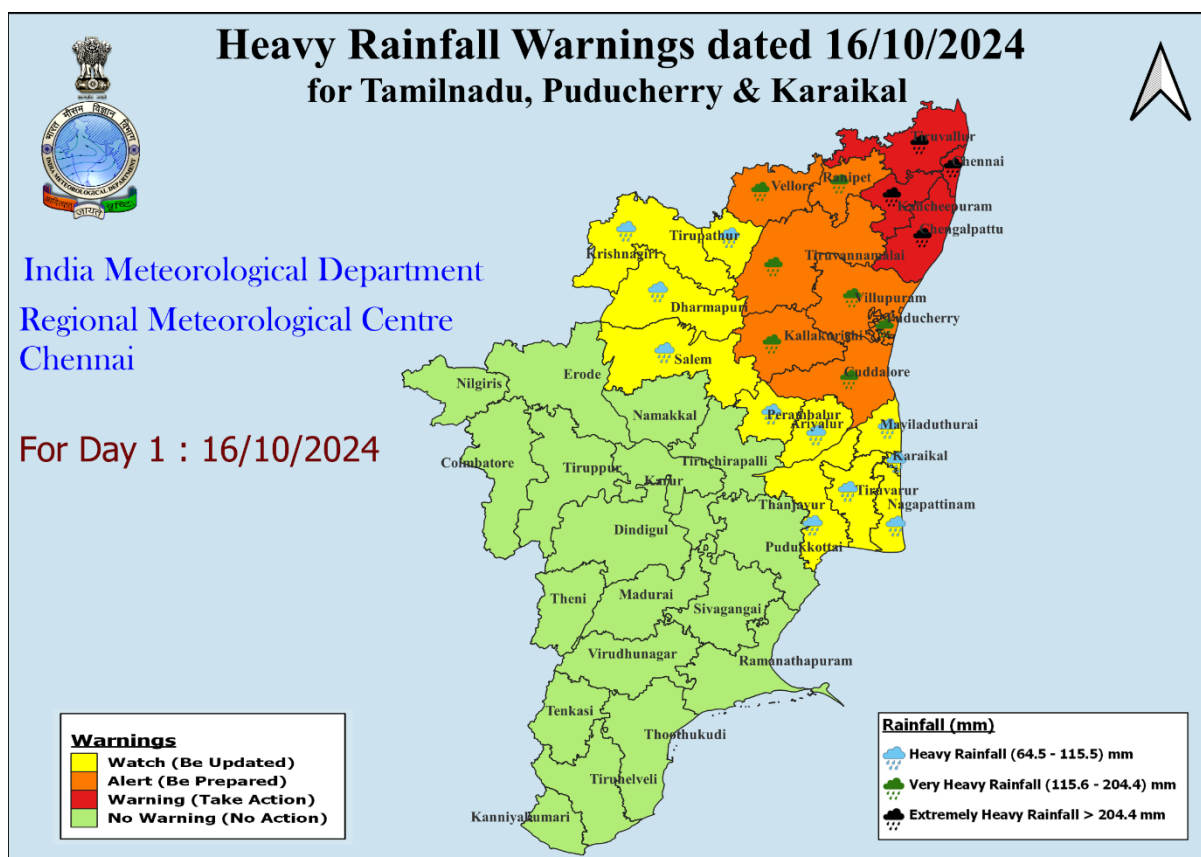
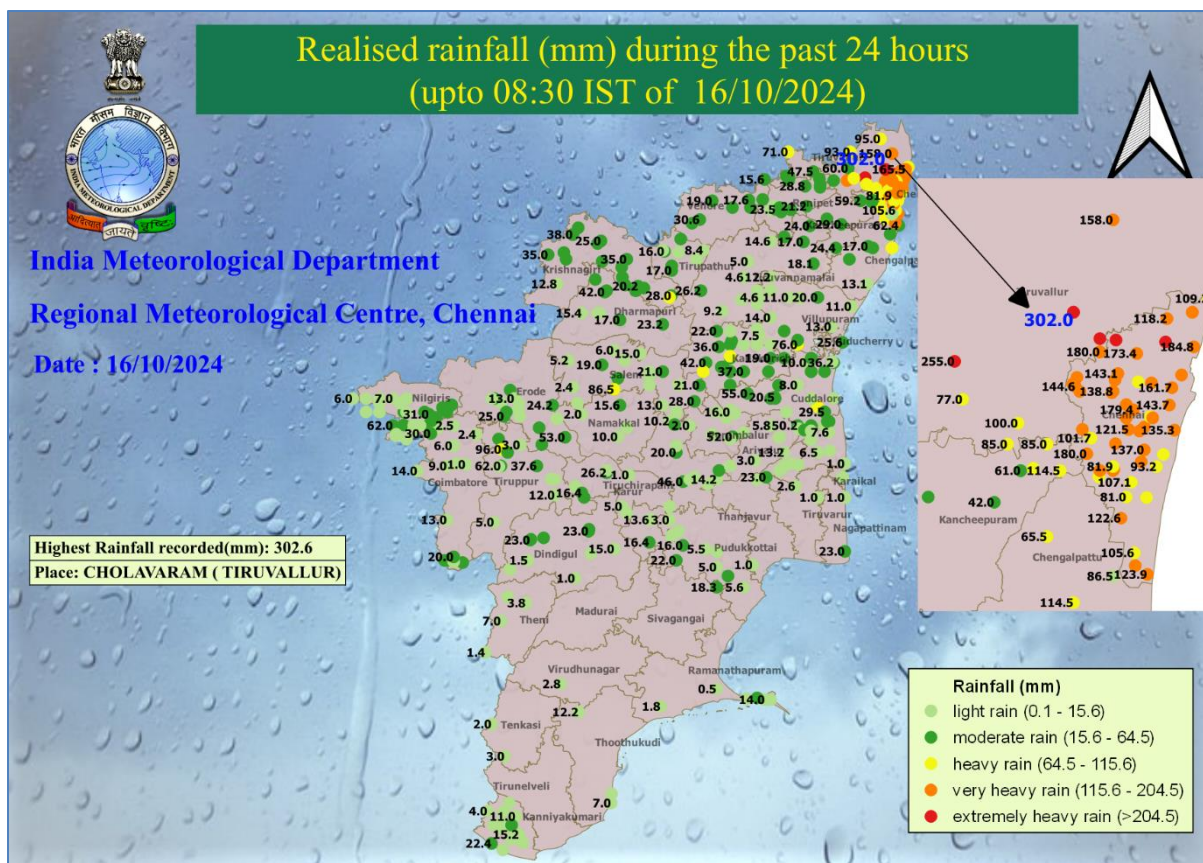
— OBSERVED TRACK

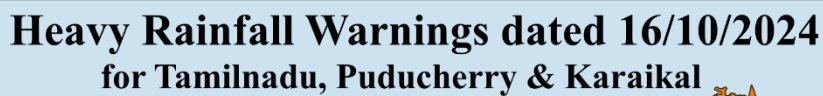
— FORECAST TRACK

— CONE OF UNCERTAINTY

AREA OF MAXIMUM SUSTAINED WIND SPEED:

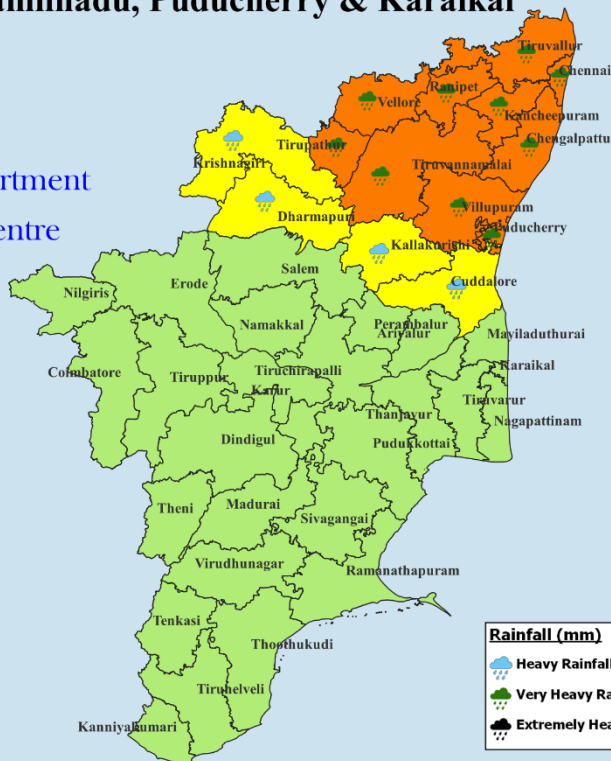
— 20-30 KT (35-55 KMPH)









India Meteorological Department  
Regional Meteorological Centre  
Chennai

For Day 2 : 17/10/2024

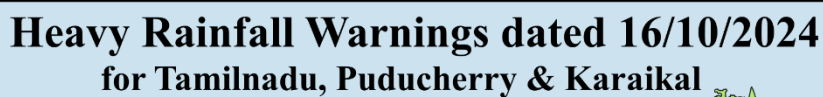


## Warnings

- |   |                               |
|---|-------------------------------|
|  | <b>Watch (Be Updated)</b>     |
|  | <b>Alert (Be Prepared)</b>    |
|  | <b>Warning (Take Action)</b>  |
|  | <b>No Warning (No Action)</b> |

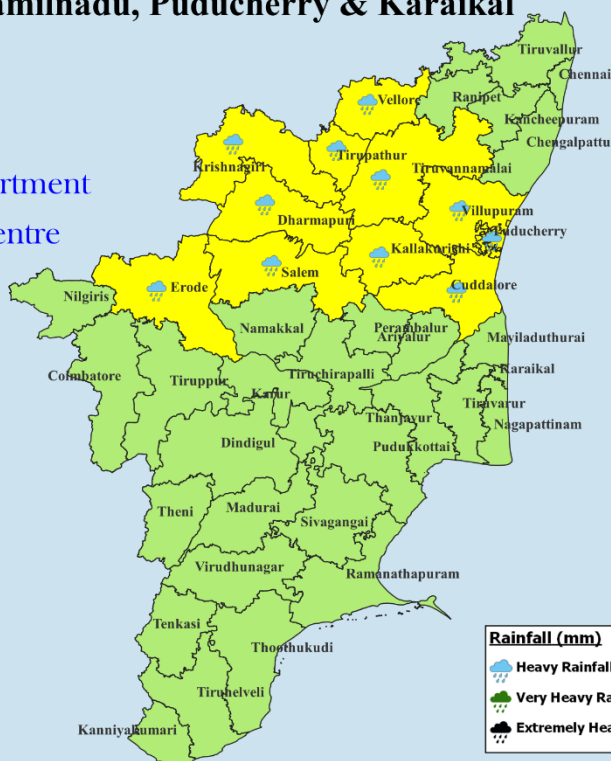
Rainfall (mm)

- Heavy Rainfall (64.5 - 115.5) mm
- Very Heavy Rainfall (115.6 - 204.4) mm
- Extremely Heavy Rainfall > 204.4 mm







India Meteorological Department  
Regional Meteorological Centre  
Chennai

For Day 3 : 18/10/2024



## Warnings

- |   |                               |
|---|-------------------------------|
|  | <b>Watch (Be Updated)</b>     |
|  | <b>Alert (Be Prepared)</b>    |
|  | <b>Warning (Take Action)</b>  |
|  | <b>No Warning (No Action)</b> |

Rainfall (mm)

- Heavy Rainfall (64.5 - 115.5) mm
- Very Heavy Rainfall (115.6 - 204.4) mm
- Extremely Heavy Rainfall > 204.4 mm

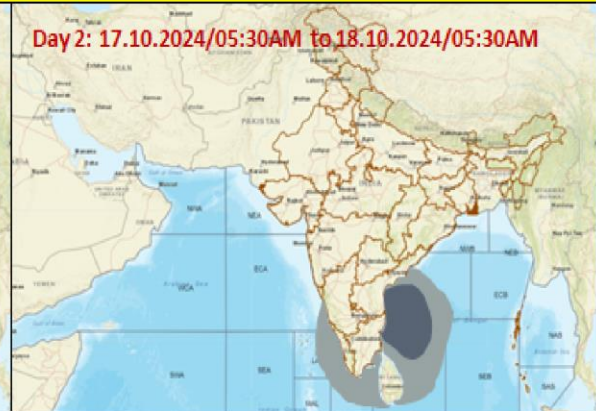


## Fishermen Warning Graphics

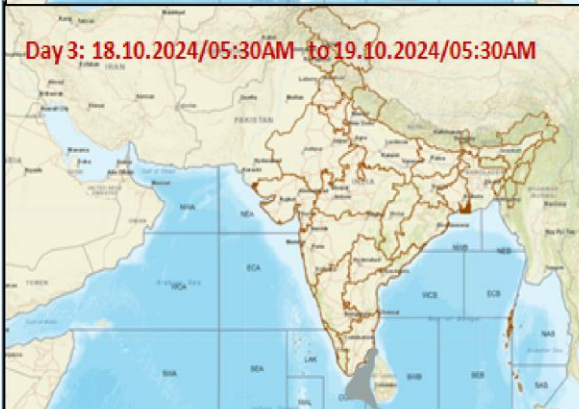
**Day 1: 16.10.2024/11:30AM to 17.10.2024/05:30AM**



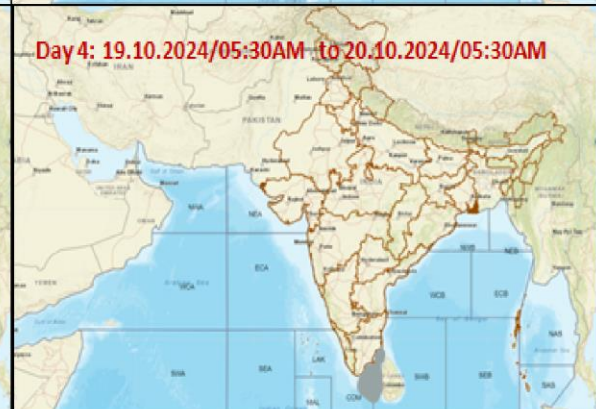
**Day 2: 17.10.2024/05:30AM to 18.10.2024/05:30AM**



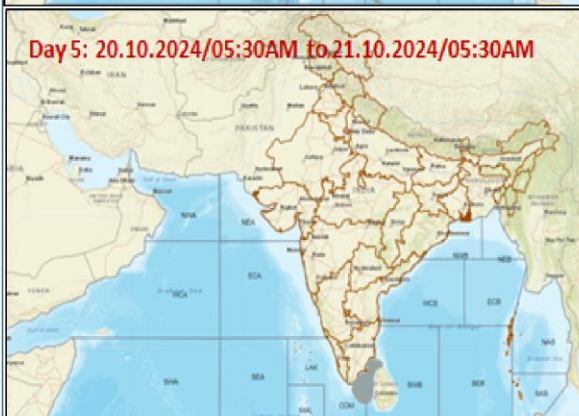
**Day 3: 18.10.2024/05:30AM to 19.10.2024/05:30AM**



**Day 4: 19.10.2024/05:30AM to 20.10.2024/05:30AM**



**Day 5: 20.10.2024/05:30AM to 21.10.2024/05:30AM**



Squally Weather with wind speed 35-45 kmph gusting to 55 kmph

Squally WX with wind speed 40-50 kmph gusting to 60 kmph

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