

இந்திய அரசு
இந்திய வானிலை ஆய்வு துறை
மண்டலவானிலை ஆய்வுமையம்
6, கல்லூரிசாலை, 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: 20th 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
(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)
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, secyfin.pon@nic.in, dcrev.pon@nic.in, 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 22nd May, 2024. It is likely to move initially northeastwards and concentrate into a Depression over central parts of Bay of Bengal by morning of 24th 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) | Heavy to very heavy rain is likely to occur at isolated places over Nilgiris, Coimbatore, Tiruppur, Theni, Dindigul, Pudukkottai and Thanjavur districts. |
| | Heavy 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) | Heavy to very heavy rain is likely to occur at isolated places over Theni, Virudhunagar and Tenkasi districts. |
| | Heavy 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) | Heavy rain is likely to occur at isolated places over Theni, Tenkasi, Tirunelveli and Kanyakumari districts. |
| Day 4 (23.05.2024) | Heavy rain is likely to occur at isolated places over Kanyakumari, Tirunelveli, Tenkasi, Krishnagiri, Dharmapuri and Tirupattur districts. |
| Day 5 (24.05.2024) | Heavy 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. Fishermen are advised not to venture into the above sea areas. |
| 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>Fishermen are advised not to venture into the above sea areas.</p> |
| Day 3 (22.05.2024) | <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>Fishermen are advised not to venture into the above sea areas.</p> |
| Day 4 (23.05.2024) | <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>Fishermen are advised not to venture into the above sea areas.</p> |
| Day 5 (24.05.2024) | <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>Fishermen are advised not to venture into the above sea areas.</p> |
| Fishermen are in deep sea are advised to return to the coast by 23rd May, 2024. | |

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

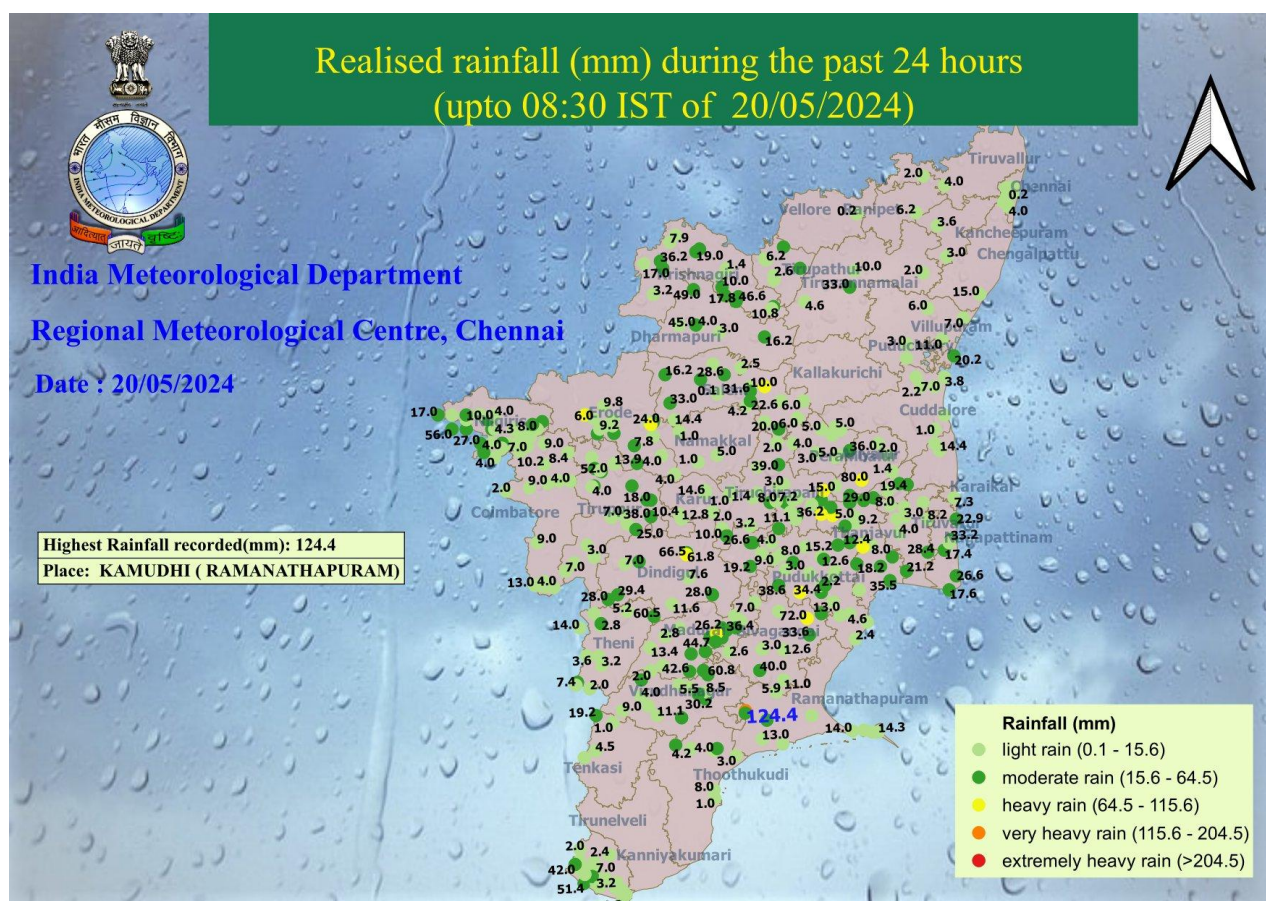
Legend:

Spatial rainfall distribution:

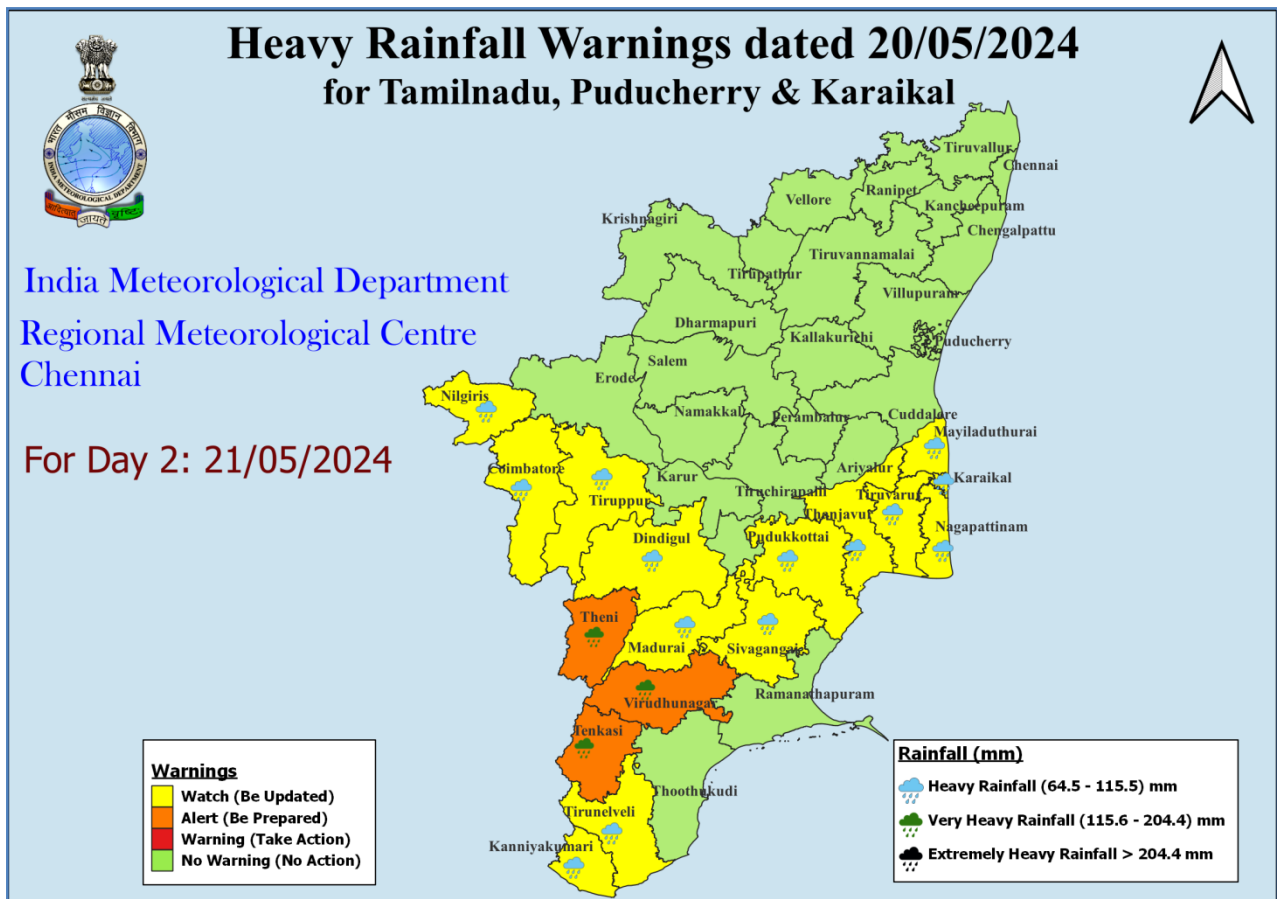
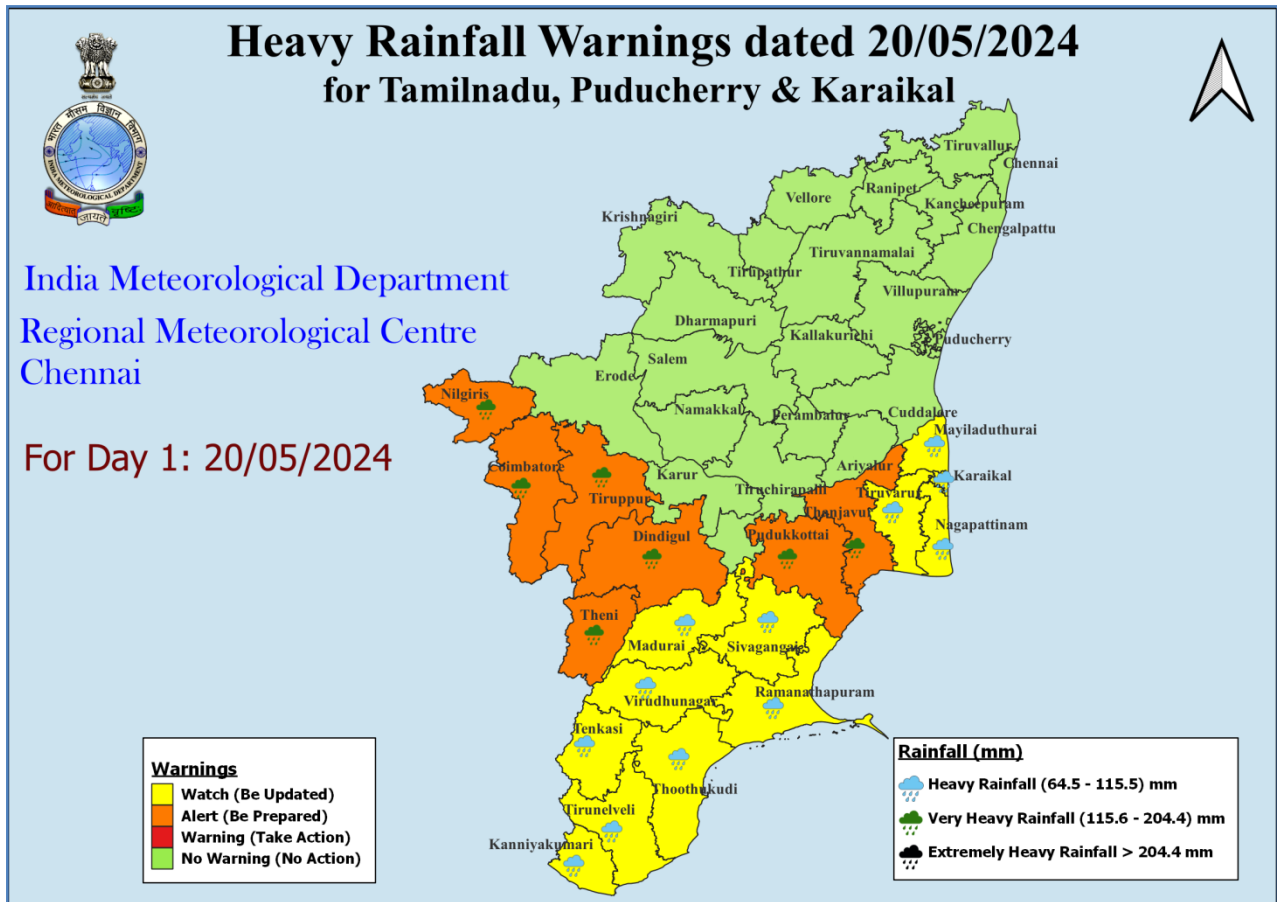
| % Stations reporting Rainfall | Category |
|-------------------------------|--------------------------------------|
| 76-100 | Widespread (WS/ most places) |
| 51-75 | Fairly Widespread (FWS/ many places) |
| 26-50 | Scattered (SCT/ few places) |
| 1 -25 | Isolated (ISOL/ one or two places) |
| No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



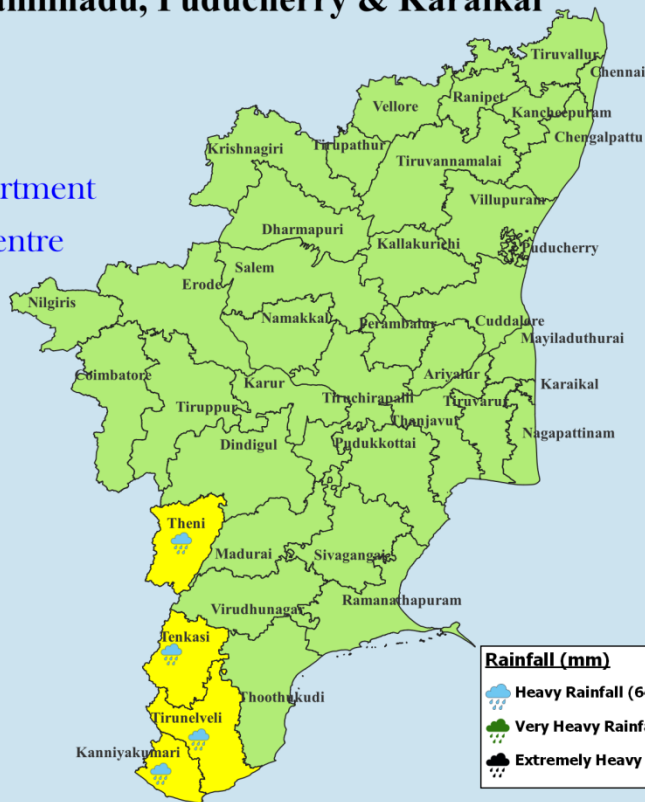


Heavy Rainfall Warnings dated 20/05/2024 for Tamilnadu, Puducherry & Karaikal



India Meteorological Department
Regional Meteorological Centre
Chennai

For Day 3: 22/05/2024



Warnings

- Watch (Be Updated)
- Alert (Be Prepared)
- Warning (Take Action)
- No Warning (No Action)

Rainfall (mm)

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

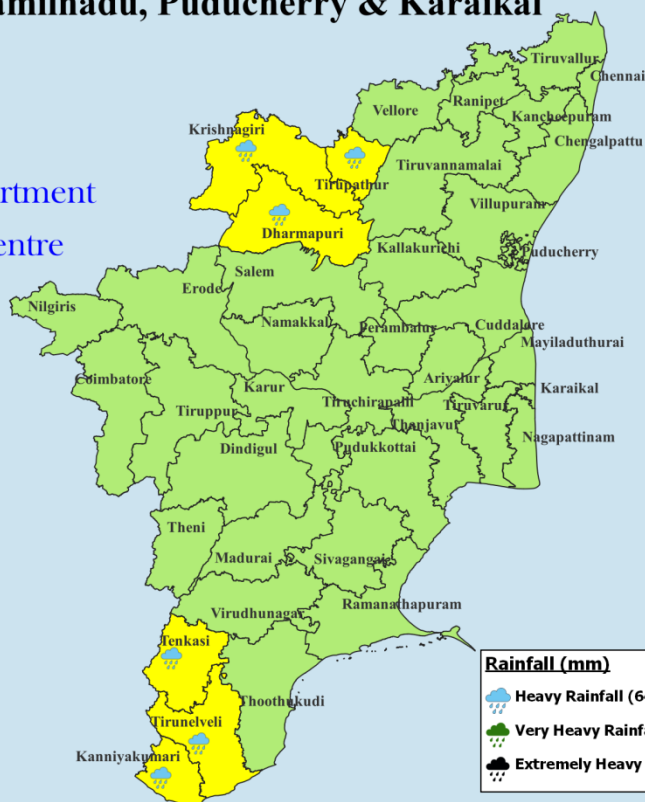


Heavy Rainfall Warnings dated 20/05/2024 for Tamilnadu, Puducherry & Karaikal



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For Day 4: 23/05/2024



Warnings

- Watch (Be Updated)
- Alert (Be Prepared)
- Warning (Take Action)
- No Warning (No Action)

Rainfall (mm)

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

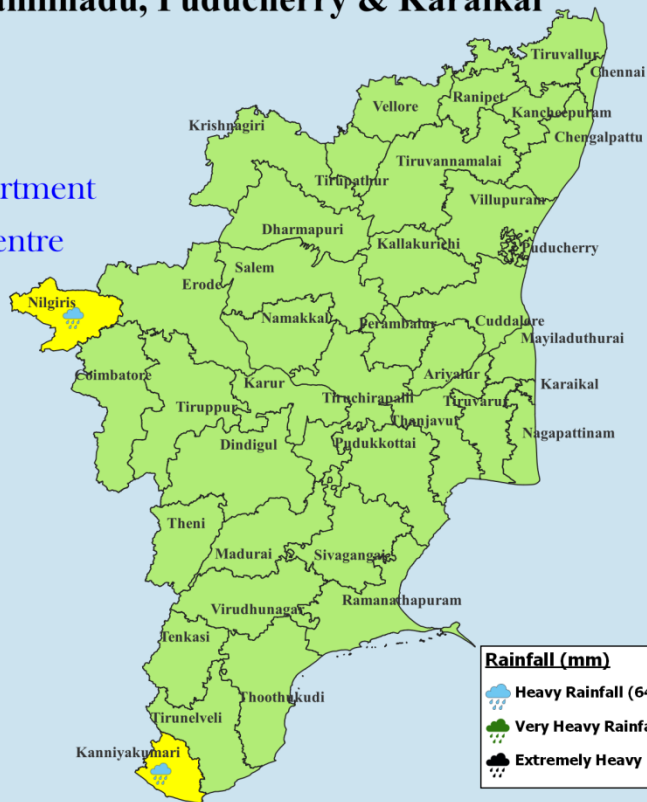


Heavy Rainfall Warnings dated 20/05/2024 for Tamilnadu, Puducherry & Karaikal



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Chennai

For Day 5: 24/05/2024



Warnings

- Watch (Be Updated)
- Alert (Be Prepared)
- Warning (Take Action)
- No Warning (No Action)

Rainfall (mm)

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