

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: 01st Aug 2025

Time of Issue: 14:30 IST

**Sub: Likely enhanced wet spell & heavy rainfall warning
for Tamilnadu, Puducherry & Karaikal**

I. Chief synoptic situation:

(i) A north-south trough in westerlies is likely to form in the lower tropospheric levels over southwest Bay of Bengal off Tamilnadu – Andhra Pradesh coasts during the next two days. An upper air cyclonic circulation is likely to form in the lower tropospheric levels near the southern end of the trough during the subsequent 2-3 days.

(ii) An east-west trough is likely to form in the mid tropospheric levels over the extreme southern peninsular region during the next 2-3 days.

II. Weather information & warnings for Tamilnadu, Puducherry & Karaikal

(i) Past rainfall summary

Rainfall occurred at a few places over the North Coastal Tamilnadu and at isolated places over the rest Tamilnadu during the past 24 hours ending 0830 IST of 01.08.2025.

Significant rainfall amounts (cm) during the 24 hrs ending 0830 IST of 01.08.2025 :

Manjalaru (dist Thanjavur) **5;**

Veppanthattai (dist Perambalur), Perambalur (dist Perambalur), Perambalur AWS (dist Perambalur), Puthu Vettakudi (dist Perambalur), Sendamangalam (dist Namakkal) **4 each;**

Nannilam (dist Thiruvarur), Lakkur (dist Cuddalore), Thiruvidaimaruthur (dist Thanjavur) **3 each;**

Needamangalam (dist Thiruvarur), Kilacheruvai (dist Cuddalore), Rasipuram (dist Namakkal), Kuruvadi (dist Ariyalur), Barwood (dist The Nilgiris), Thenparanadu (dist Thiruchirappalli), Ariyalur PTO (dist Ariyalur), Ariyalur Taluk Office (dist Ariyalur), Zone 14 Medavakkam (dist Chennai), Chidambaram (dist Cuddalore), Puduchatram (dist Namakkal), Suthamalli Dam (dist Ariyalur) **2 each.**

(ii) Rainfall forecast and Heavy rainfall warning for the next five days

Light-moderate rainfall is very likely at *a few* places over Tamilnadu, Puducherry & Karaikal during the next seven days (01st-07th Aug 2025) with **heavy** rain at *isolated* places over the **North Coastal Tamilnadu & adjoining districts; Puducherry & Karaikal areas** during the next five days (01st-05th Aug 2025) and over the **western ghat districts** during 04th-07th Aug 2025. *Isolated very heavy* rain is also likely over Cuddalore, delta & adjoining districts on 03rd & 04th Aug and over the western ghat districts on 05th Aug 2025 as detailed below:

Heavy rainfall warning:

HEAVY RAINFALL WARNING	
Day 1 (01.08.2025)	Heavy rain is likely to occur at isolated places over Thanjavur, Tiruvarur, Nagapattinam, Mayiladuthurai, Pudukkottai and Cuddalore districts & Karaikal area.
Day 2 (02.08.2025)	Heavy rain is likely to occur at isolated places over Thanjavur, Tiruvarur, Nagapattinam, Mayiladuthurai, Pudukkottai, Cuddalore Villupuram, Ariyalur districts, Puducherry and Karaikal area.
Day 3 (03.08.2025)	Heavy to very heavy rain is likely to occur at isolated places over Thanjavur, Tiruvarur, Nagapattinam, Mayiladuthurai, Cuddalore districts and Karaikal area.
	Heavy rain is likely to occur at isolated places over Pudukkottai, Villupuram, Ariyalur, Kallakurichi and Chengalpattu districts and Puducherry.
Day 4 (04.08.2025)	Heavy to very heavy rain is likely to occur at isolated places over Cuddalore Kallakurichi and Mayiladuthurai districts.
	Heavy rain is likely to occur at isolated places over Nilgiris and Ghat areas of Coimbatore districts, Thanjavur, Tiruvarur, Nagapattinam, Pudukkottai, Ariyalur, Perambalur, Villupuram, Tiruvannamalai, Kancheepuram and Chengalpattu districts and Puducherry & Karaikal area.
Day 5 (05.08.2025)	Heavy to very heavy rain is likely to occur at isolated places over Nilgiris and Ghat areas of Coimbatore districts.
	Heavy rain is likely to occur at isolated places over Thanjavur, Tiruvarur, Nagapattinam, Mayiladuthurai, Cuddalore, Ariyalur, Kallakurichi, Villupuram, Tiruvannamalai, Chengalpattu and Kancheepuram districts, Puducherry and Karaikal area.
Day 6 (06.08.2025)	Heavy rain is likely to occur at isolated places over Nilgiris and Ghat areas of Coimbatore districts, Theni, Dindigul, Tenkasi, Krishnagiri, Dharmapuri, Tirupattur districts.
Day 7 (07.08.2025)	Heavy rain is likely to occur at isolated places over Nilgiris and Ghat areas of Coimbatore districts, Theni, Tenkasi districts.

(iii) Warnings for fishermen for the next five days

FOR TAMILNADU COASTS	
Day 1 (01.08.2025) to Day 5 (05.08.2025)	Squally weather with wind speed 40–50 kmph gusting to 60 kmph likely to prevail along and off South Tamilnadu coast, over Gulf of Mannar and Comorin area.
Fishermen are advised not to venture into the above sea areas during the above mentioned period.	

FOR OTHER THAN TAMILNADU COASTS	
Day 1 (01.08.2025)	<p>Squally wind with speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail over most parts of Westcentral Arabian Sea & adjoining, some parts of Eastcentral Arabian Sea, many parts of Southwest & adjoining, some parts of Southeast Arabian Sea.</p> <p>Squally weather with wind speed reaching 40 - 50 kmph gusting to 60 kmph likely to prevail over many parts of Eastcentral Arabian Sea, some parts of Southeast Arabian Sea, some parts of Southwest Bay of Bengal.</p> <p>Squally weather with wind speed reaching 45 - 55 kmph gusting to 65 kmph likely to prevail over Lakshadweep area.</p>
Day 2 (02.08.2025)	<p>Squally wind with speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail over most parts of Westcentral Arabian Sea & adjoining, some parts of Eastcentral Arabian Sea, many parts of Southwest Arabian Sea.</p> <p>Squally weather with wind speed reaching 40 - 50 kmph gusting to 60 kmph likely to prevail over many parts of Eastcentral Arabian Sea, some parts of Southeast Arabian Sea, many parts of Southwest Bay of Bengal.</p> <p>Squally weather with wind speed reaching 45 - 55 kmph gusting to 65 kmph likely to prevail over Lakshadweep area.</p>
Day 3 (03.08.2025)	<p>Squally wind with speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail over most parts of Westcentral Arabian Sea & adjoining parts of Eastcentral Arabian Sea, many parts of Southwest Arabian Sea.</p> <p>Squally weather with wind speed reaching 40 - 50 kmph gusting to 60 kmph likely to prevail over many parts of Eastcentral Arabian Sea, some parts of Southeast & Southwest Arabian Sea, southern parts of North Arabian Sea, many parts of Southwest Bay of Bengal, few parts of Southeast Bay of Bengal & adjoining few parts of South Andaman Sea.</p>

<p>Day 4 (04.08.2025)</p>	<p>Squally wind with speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail over most parts of Westcentral Arabian Sea & adjoining parts of Eastcentral Arabian Sea, many parts of Southwest Arabian Sea.</p> <p>Squally weather with wind speed reaching 40 - 50 kmph gusting to 60 kmph likely to prevail over many parts of Eastcentral Arabian Sea, many parts of Southeast and Southwest Arabian Sea, over Northeast & adjoining Northwest Arabian Sea, along and off north Gujarat, Kerala, Karnataka coasts, over Lakshadweep, Maldives, many parts of Southwest Bay of Bengal, few parts of Southeast Bay of Bengal.</p>
<p>Day 5 (05.08.2025)</p>	<p>Squally wind with speed reaching 45 kmph to 55 kmph gusting to 65 kmph is likely to prevail over most parts of Westcentral Arabian Sea & adjoining parts of Eastcentral Arabian Sea, southern parts of Northwest Arabian Sea, many parts of Southwest & Southeast Arabian Sea.</p> <p>Squally weather with wind speed reaching 40 - 50 kmph gusting to 60 kmph likely to prevail over many parts of Eastcentral Arabian Sea, many parts of Southeast and Southwest Arabian Sea, over Northeast & adjoining Northwest Arabian Sea, along and off north Gujarat, Kerala, Karnataka coasts, over Lakshadweep, Maldives, many parts of Southwest Bay of Bengal.</p>
<p>Fishermen are advised not to venture into the above sea areas during the above mentioned period.</p>	

(iv) Impacts expected

- ✓ Water logging and damages to crops
- ✓ Uprooting of trees and blockage of roads
- ✓ Damages to temporary structures and informal settlements
- ✓ Increase in water levels in rivers, lakes & reservoirs
- ✓ Inland flooding in some low lying areas



Realised rainfall (mm) during the past 24 hours (upto 08:30 IST of 01/08/2025)

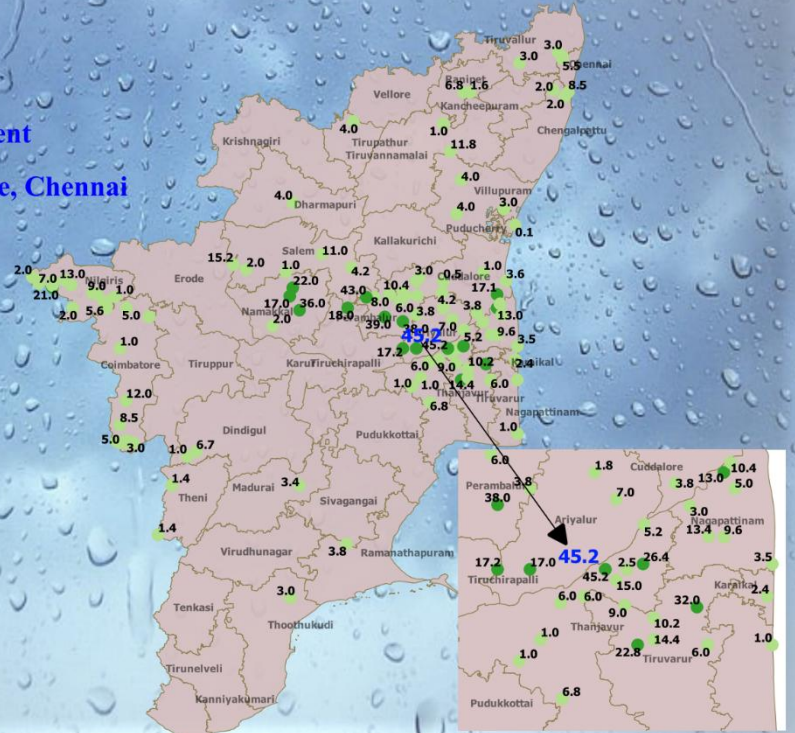
India Meteorological Department

Regional Meteorological Centre, Chennai

Date : 01/08/2025

Highest Rainfall recorded(mm): 45.2

Place: MANJALARU (THANJAVUR)



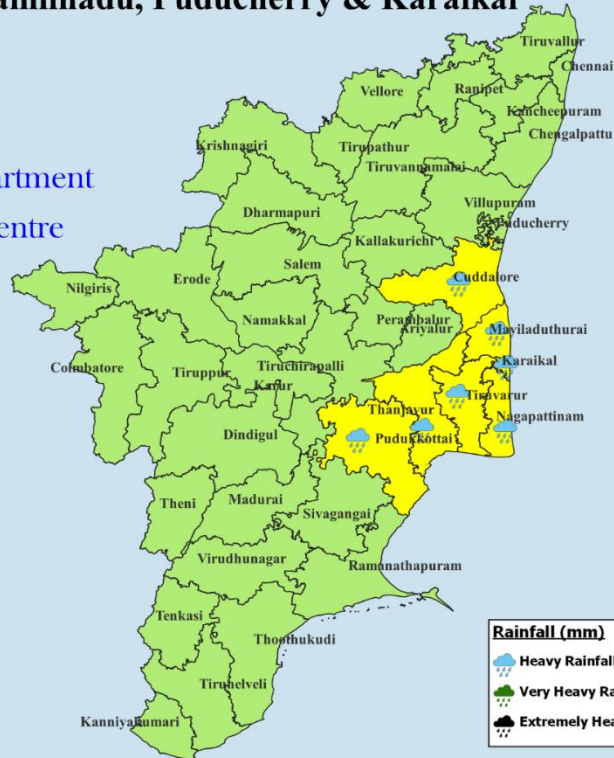


Heavy Rainfall Warnings dated 01/08/2025 for Tamilnadu, Puducherry & Karaikal



India Meteorological Department
Regional Meteorological Centre
Chennai

For Day 1: 01/08/2025



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

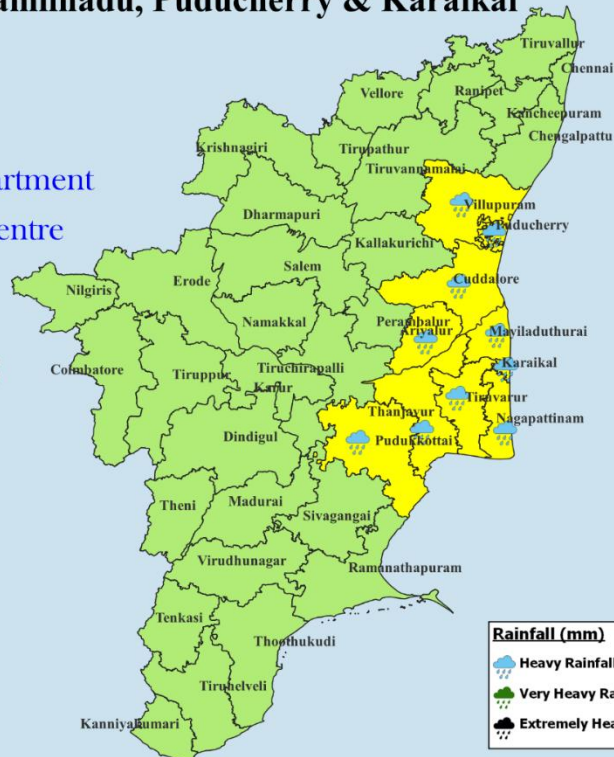


Heavy Rainfall Warnings dated 01/08/2025 for Tamilnadu, Puducherry & Karaikal



India Meteorological Department
Regional Meteorological Centre
Chennai

For Day 2: 02/08/2025



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

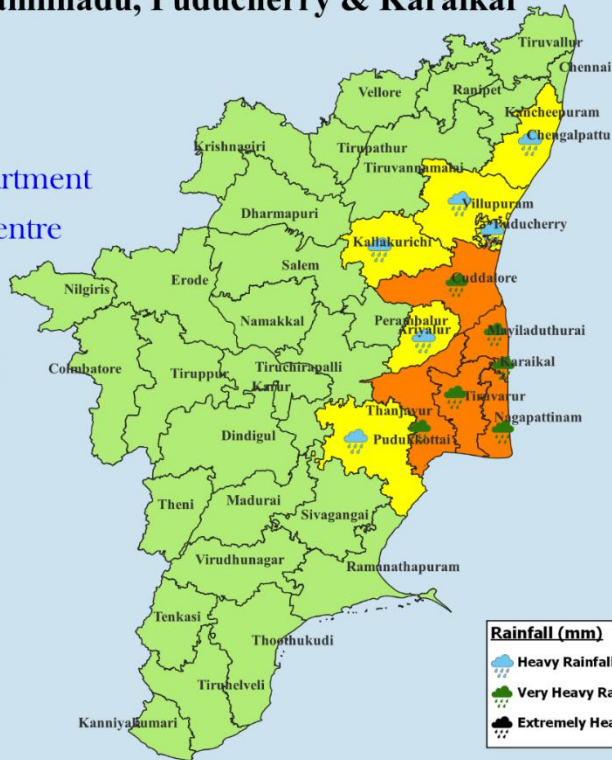


Heavy Rainfall Warnings dated 01/08/2025 for Tamilnadu, Puducherry & Karaikal



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For Day 3: 03/08/2025

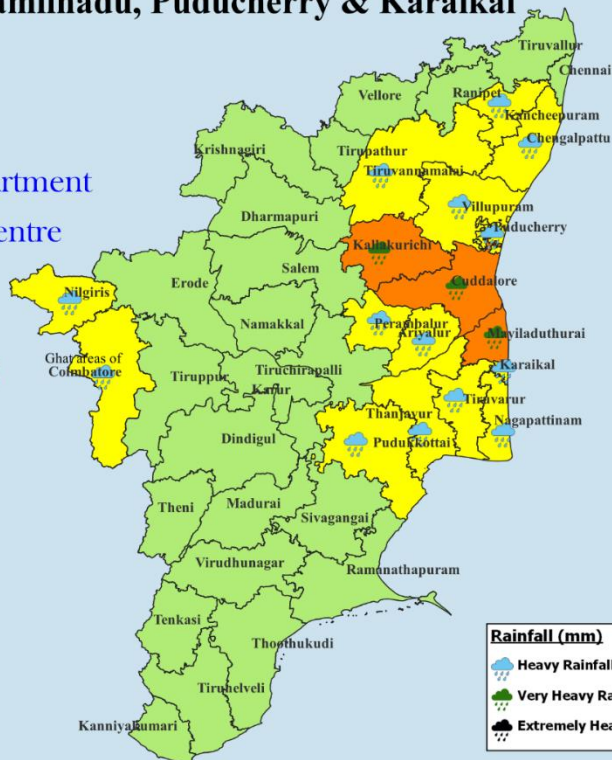


Heavy Rainfall Warnings dated 01/08/2025 for Tamilnadu, Puducherry & Karaikal



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For Day 4: 04/08/2025



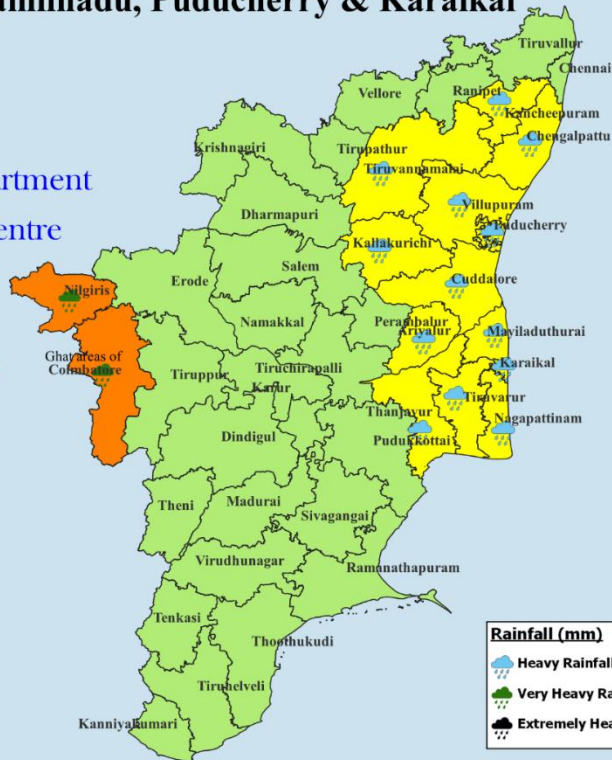


Heavy Rainfall Warnings dated 01/08/2025 for Tamilnadu, Puducherry & Karaikal



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Chennai

For Day 5: 05/08/2025

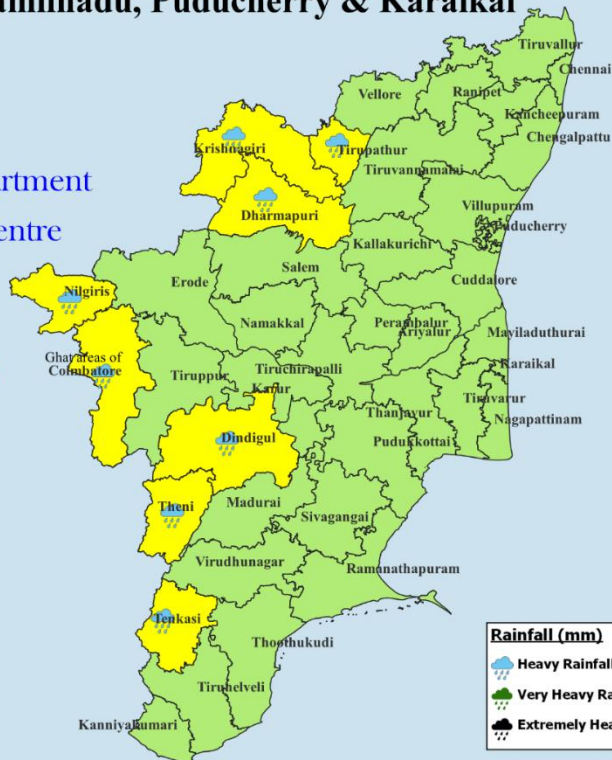


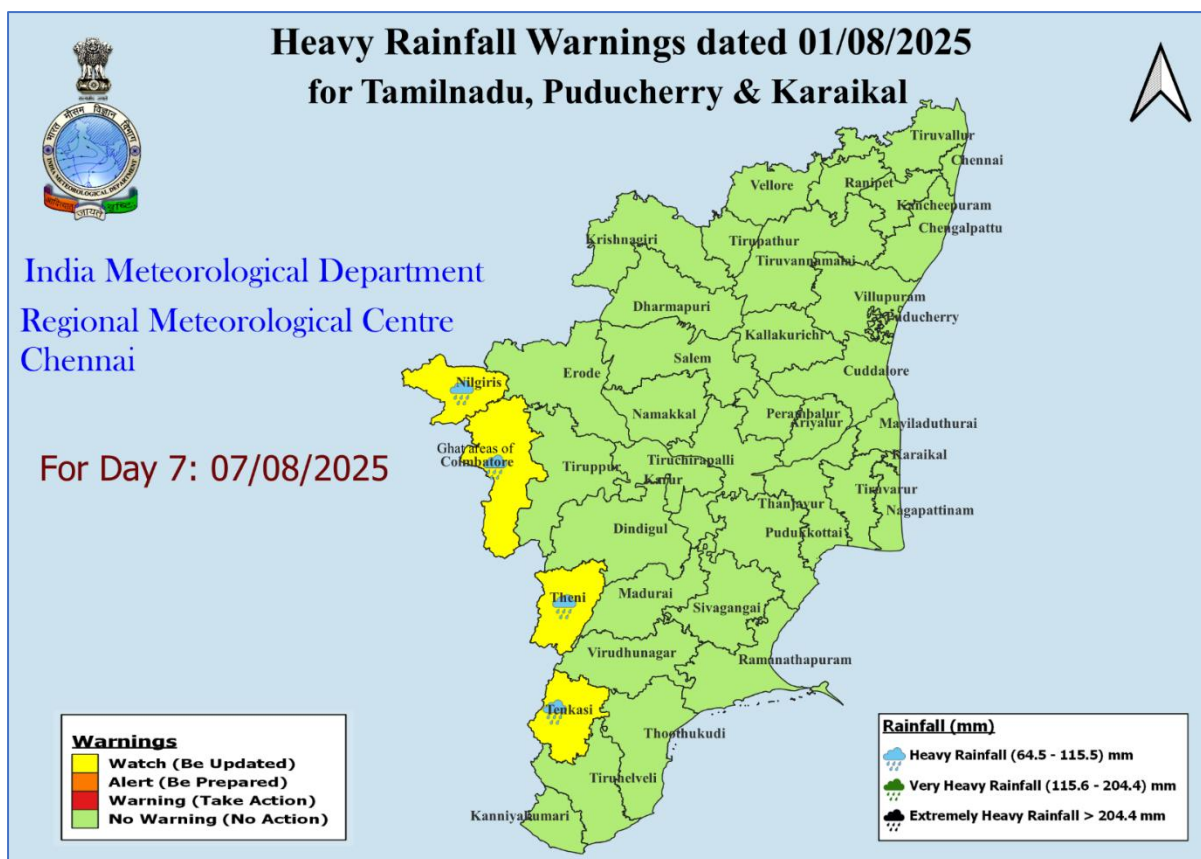
Heavy Rainfall Warnings dated 01/08/2025 for Tamilnadu, Puducherry & Karaikal



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Chennai

For Day 6: 06/08/2025





Legends :

Day: 08:30 IST of date to 08:30 IST of next day

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:

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

North Tamil Nadu (NTN) districts	Chennai, Kancheepuram, Chengalpattu, Tiruvallur, Cuddalore, Villupuram, Tirupattur, Vellore, Ranipet, Kallakurichi, Tiruvannamalai, Krishnagiri, Dharmapuri, Salem, Namakkal, Karur, Erode, Thanjavur, Tiruvarur, Mayiladuthurai, Nagapattinam, Pudukottai, Nilgiris, Coimbatore, Tiruppur, Tiruchirapalli, Ariyalur, Perambalur.
South Tamil Nadu (STN) districts	Dindigul, Theni, Virudhunagar, Madurai, Sivagangai, Ramanathapuram, Thoothukudi, Thenkasi, Tirunelveli, Kanyakumari.
Interior Tamil Nadu (ITN) districts	Tirupattur, Vellore, Ranipet, Kallakurichi, Tiruvannamalai, Kancheepuram, Krishnagiri, Dharmapuri, Salem, Namakkal, Karur, Erode, Nilgiris, Coimbatore, Tiruppur, Tiruchirapalli, Ariyalur, Perambalur, Sivagangai, Virudhunagar, Theni, Dindigul, Madurai, Thenkasi.
North interior Tamil Nadu (NITN) districts	Tirupattur, Vellore, Ranipet, Kallakurichi, Tiruvannamalai, Kancheepuram, Krishnagiri, Dharmapuri, Salem, Namakkal, Karur, Erode, Nilgiris, Coimbatore, Tiruppur, Tiruchirapalli, Ariyalur and Perambalur.
South interior Tamil Nadu (SITN) districts	Sivagangai, Virudhunagar, Theni, Dindigul, Madurai, Thenkasi.
Coastal Tamil Nadu (CTN) districts	Tiruvallur, Chennai, Chengalpattu, Villupuram, Cuddalore, Thanjavur, Tiruvarur, Mayiladuthurai, Nagapattinam, Pudukottai, Ramanathapuram, Thoothukudi, Tirunelveli, Kanyakumari.
North Coastal Tamil Nadu (NCTN) districts	Tiruvallur, Chennai, Chengalpattu, Villupuram, Cuddalore, Thanjavur, Tiruvarur, Mayiladuthurai, Nagapattinam, Pudukottai.
South Coastal Tamil Nadu (SCTN) districts	Ramanathapuram, Thoothukudi, Tirunelveli, Kanyakumari.
Delta districts	Thanjavur, Tiruvarur, Nagapattinam, Mayiladuthurai, Pudukottai and Karaikal area.
Delta and Adjoining districts	Thanjavur, Tiruvarur, Nagapattinam, Mayiladuthurai, Pudukottai, Karaikal and Tiruchirapalli, Perambalur, Ariyalur, Cuddalore.
Western Ghat districts	Nilgiris, Coimbatore, Tiruppur, Theni, Dindigul, Thenkasi, Virudhunagar
PDC	Puducherry and Karaikal