



இந்திய அரசு
இந்திய வானிலை ஆய்வு துறை
மண்டல வானிலை ஆய்வு மையம்
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EXTENDED RANGE FORECAST FOR TAMILNADU, PUDUCHERRY AND KARAIKAL
Thursday, the 10th July 2025

Current weather status & Outlook for next two weeks

1. Realised Weather Summary for the past week (03rd to 09th July 2025)

I. (a) Rainfall:

(i) Rainfall during the week (03rd to 09th July 2025)

Rainfall occurred over Tamilnadu at *isolated* places on all the days during the week (03rd – 09th July 2025). *Dry* weather prevailed over Puducherry and Karaikal area during entire this week.

Isolated heavy rainfall occurred over Nilgiris and Chennai districts on 03rd July 2025.

Heavy rainfall amounts (cm) reported during the week(03rd to 09th July 2025):

03-07-2025: Devala (dist The Nilgiris), Upper Gudalur (dist The Nilgiris) 8 each, Gudalur Bazar (dist The Nilgiris), Zone 04 Kasimedu (dist Chennai) 7 each,

04-07-2025 to 09-07-2025: NIL

Station-wise cumulative rainfall during the week (03rd to 09th July 2025) is depicted in Fig.1a.

The sub-divisional rainfall during the week was 04.8mm against the normal rainfall of 12.8mm which comes under *Largely Deficient* (-62%) category. Out of the 40 districts, no district received *Large Excess* rainfall 03 districts received *Excess* rainfall; 01 district -*Normal* rainfall; 02 districts – *Deficient* rainfall; 22 districts -*Largely Deficient* rainfall; 12 districts received *No rain* during the week (Fig.1b).

(ii) Seasonal Rainfall Scenario (01st June to 09th July 2025):

The cumulative rainfall over Tamilnadu subdivision during the season from 01st June to 09th July 2025 was 64.6 mm against the normal rainfall of 66.7 mm, which comes under *Normal* (-03%) category during this period (Fig.2). Out of the 40 districts, 06 districts came under *Large Excess* category; 04 districts- under *Excess* category; 09 districts – under *Normal* category; 12 districts – under *Deficient* category; 09 districts – under *Largely Deficient* category and no district came under *No rain* category during the period (Fig.2).

II. Temperature:

The highest maximum temperature recorded during the week was **41.2°C** at Madurai Airport on 09th July 2025.

The lowest minimum temperature recorded over the plains of the subdivision was **21.0°C** at Karur Paramathi on 04th July 2025 and over the hilly areas, **10.8°C** at Kodaikanal on 04th July 2025.

(Note: Realised rainfall and temperature descriptions given above are based on the observations during the past 24 hours ending 08:30 IST of dates mentioned therein.)

2. Outlook for the next two weeks for the Tamil Nadu subdivision:

(i) Rainfall:

Week-1 (11-07-2025 to 17-07-2025): As per extended range predictions by dynamical models, *near normal to slightly below normal* rainfall is likely over most districts of Tamilnadu, Puducherry and Karaikal during week-1 (Fig.3).

Week-2 (18-07-2025 to 24-07-2025): *Generally near normal* rainfall is likely over most districts of Tamilnadu, Puducherry and Karaikal area during the week-2 (Fig.3).

(ii) Temperature:

(a) Maximum Temperature:

Week-1 (11-07-2025 to 17-07-2025): Maximum temperatures are likely to be *generally normal to slightly above normal* over most parts of Tamilnadu, Puducherry & Karaikal area and are likely to be in the range of 34°C to 38°C over north coastal and adjoining interior districts of Tamilnadu, Puducherry and Karaikal and 26°C to 34°C over the plains of remaining parts of Tamilnadu during week-1 (Fig.4a).

Week-2 (18-07-2025 to 24-07-2025): Maximum temperatures are likely to be *generally normal* over most parts of Tamilnadu, Puducherry & Karaikal area and are likely to be in the range of 34°C to 36°C over north coastal and adjoining interior districts of Tamilnadu, Puducherry and Karaikal and 26°C to 34°C over the plains of remaining parts of Tamilnadu during week-2 (Fig.4a).

(b) Minimum Temperature:

Week-1 (11-07-2025 to 17-07-2025): Minimum temperatures are likely to be *generally normal* over most parts of Tamilnadu, Puducherry & Karaikal area and are likely to be in the range of 24°C to 28°C over coastal and adjoining interior districts of Tamilnadu, Puducherry and Karaikal area and 18°C to 24°C over the plains of rest of Tamilnadu during the week-1 (Fig.4b).

Week-2 (18-07-2025 to 24-07-2025): Minimum temperatures are likely to be *generally normal* over most parts of Tamilnadu, Puducherry & Karaikal area and are likely to be in the range of 24°C to 28°C over coastal and adjoining interior districts of Tamilnadu, Puducherry and Karaikal area and 18°C to 24°C over the plains of rest of Tamilnadu during the week-2 (Fig.4b).

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Next bulletin will be issued on 17th July 2025 (Thursday).

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:

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

Description of rainfall with respect to normal:

Rainfall percentage departure from normal	Category
≥ +60%	Large excess
+20% to +59%	Excess
-19% to +19%	Normal
-20% to -59%	Deficient
≤ -60%	Largely deficient
-100%	No Rain

Description of Temperature:

Markedly above normal	Departure from normal: +5.1°C or more
Appreciably above normal	Departure from normal: +3.1° C to +5.0 ° C
Above Normal	Departure from normal: +1.6 °C to +3.0 °C
Normal	Departure from normal: -1.5° C to +1.5° C
Below Normal	Departure from normal: -1.6 °C to -3.0 °C
Appreciably below normal	Departure from normal: -3.1° C to -5.0 ° C
Markedly below normal	Departure from normal: -5.1°C or less

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, 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

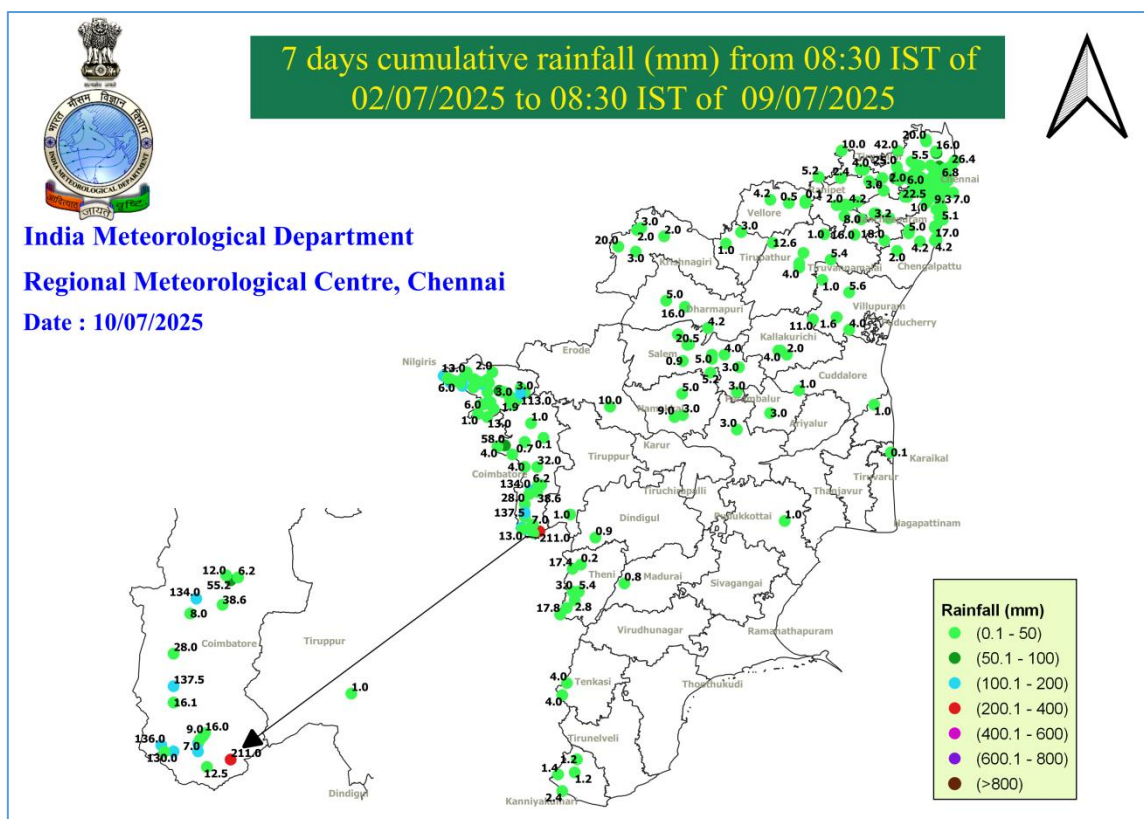


Fig.1a: Station-wise cumulative rainfall during the week (past 7 days ending 08:30 IST of 09-07-2025)

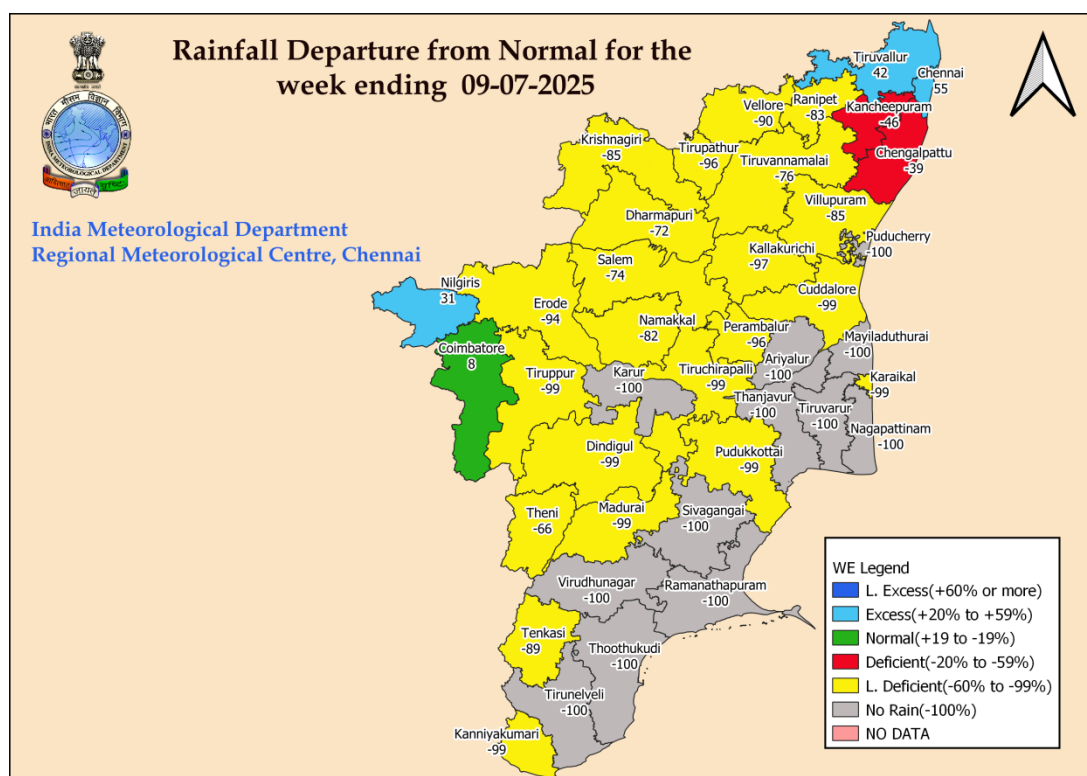


Fig.1b: District-wise weekly rainfall (percentage departures from normal) during the week ending 09-07-2025

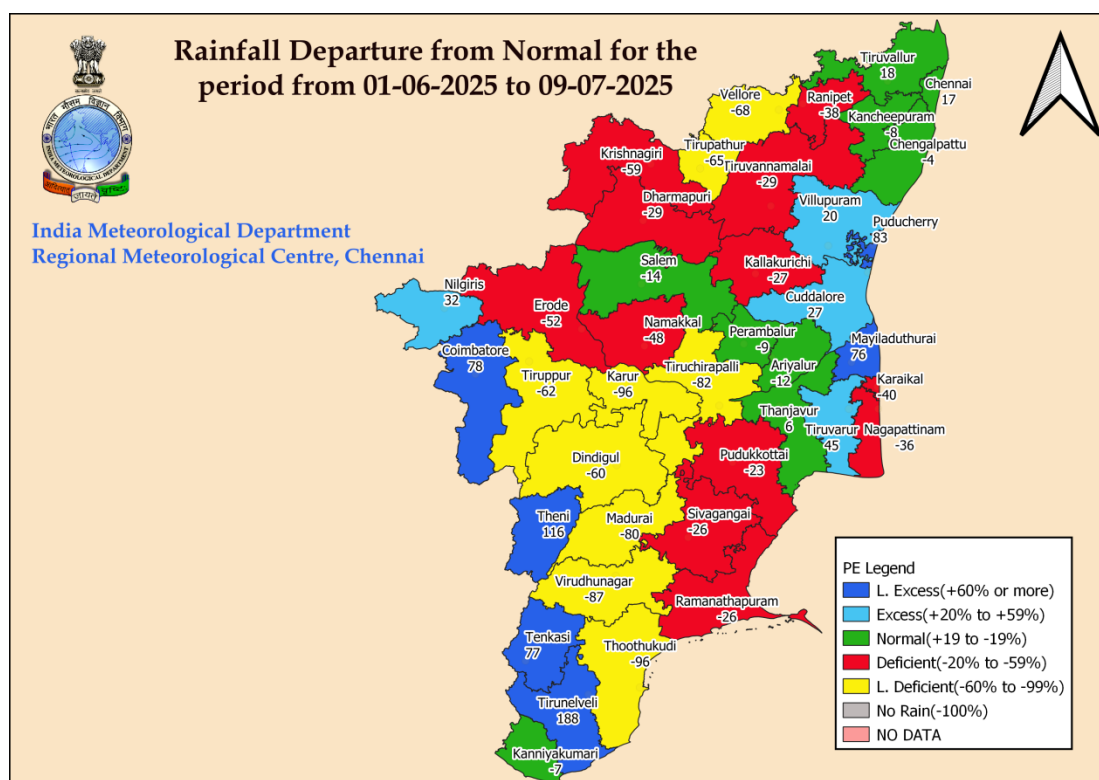


Fig.2: District-wise cumulative rainfall (percentage departures from normal) during the season (01st June to 09th July 2025)

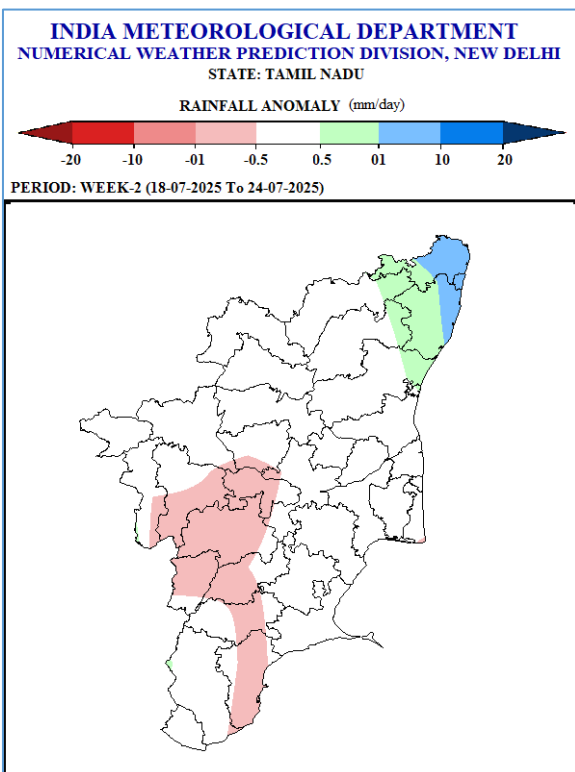
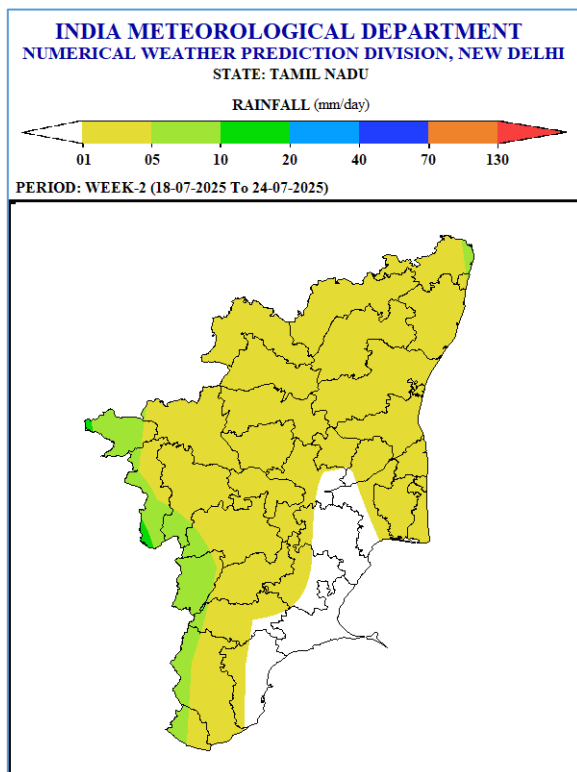
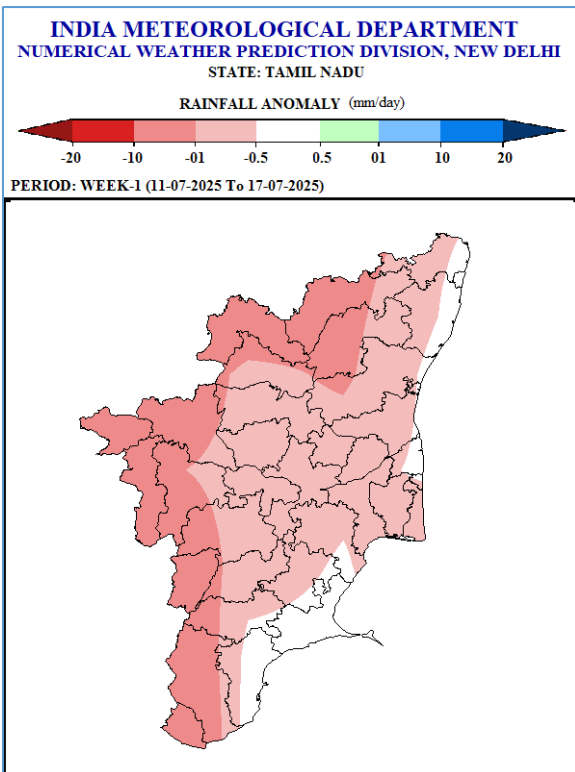
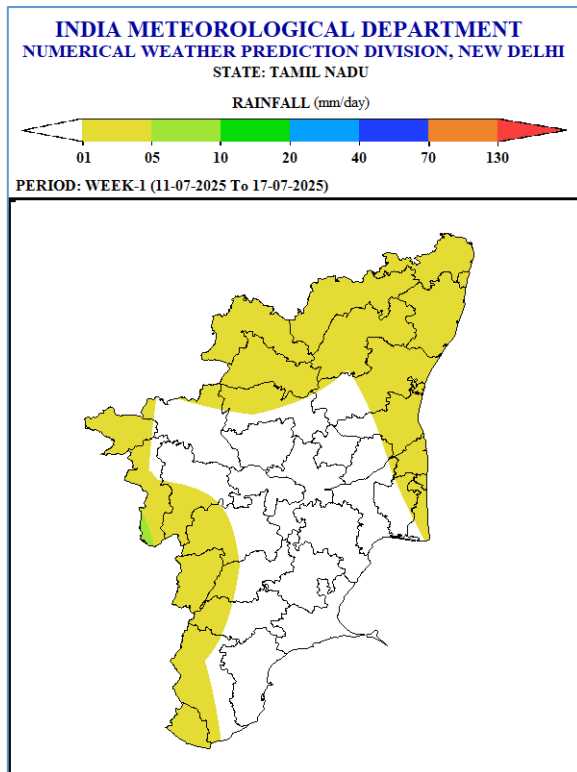


Fig.3: Predicted rainfall (in mm/day) during the Week-1 (11-07-2025 to 17-07-2025) & Week-2 (18-07-2025 to 24-07-2025)

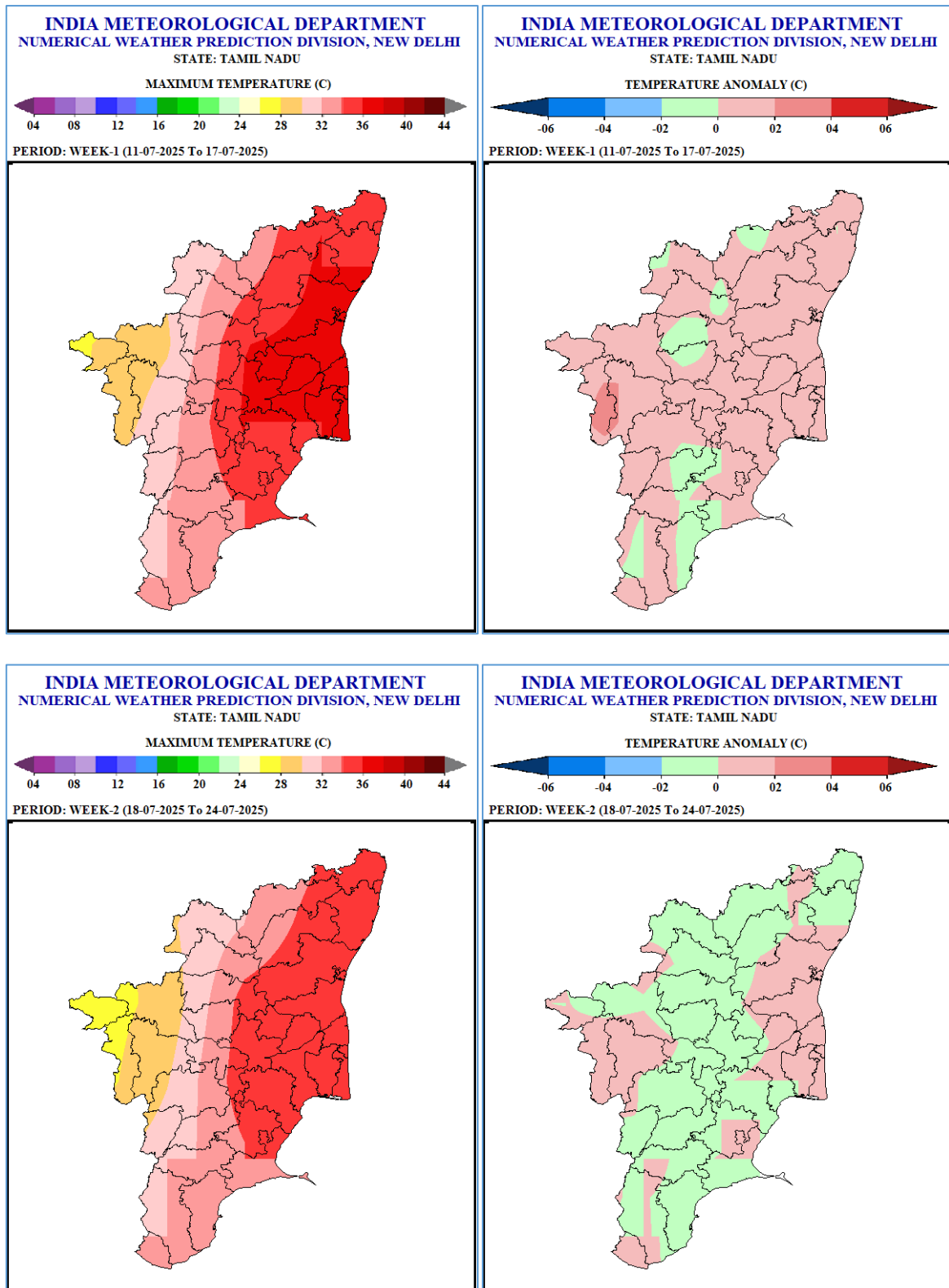


Fig.4a: Predicted maximum temperature (°C) and its departure from the normal (°C) during the Week-1 (11-07-2025 to 17-07-2025) & Week-2 (18-07-2025 to 24-07-2025)

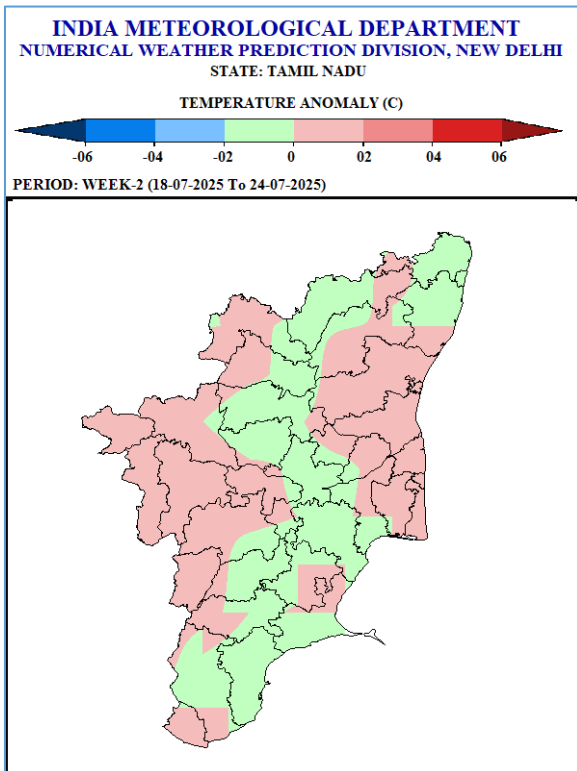
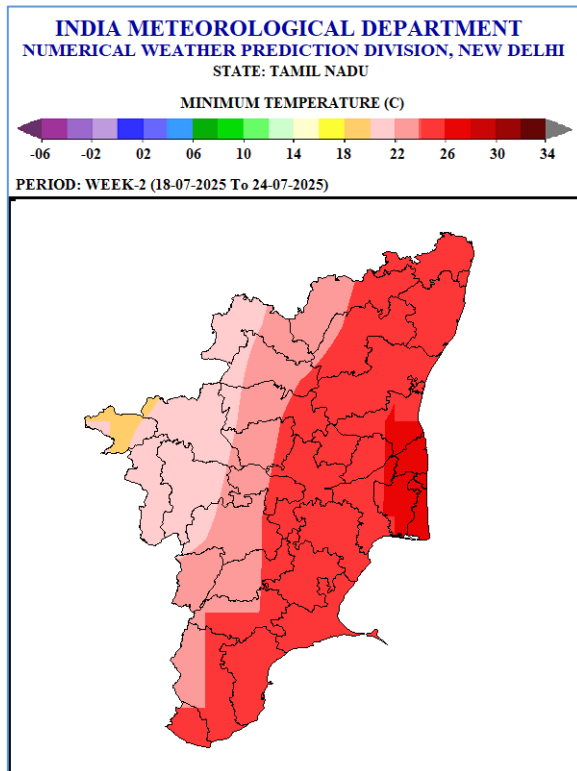
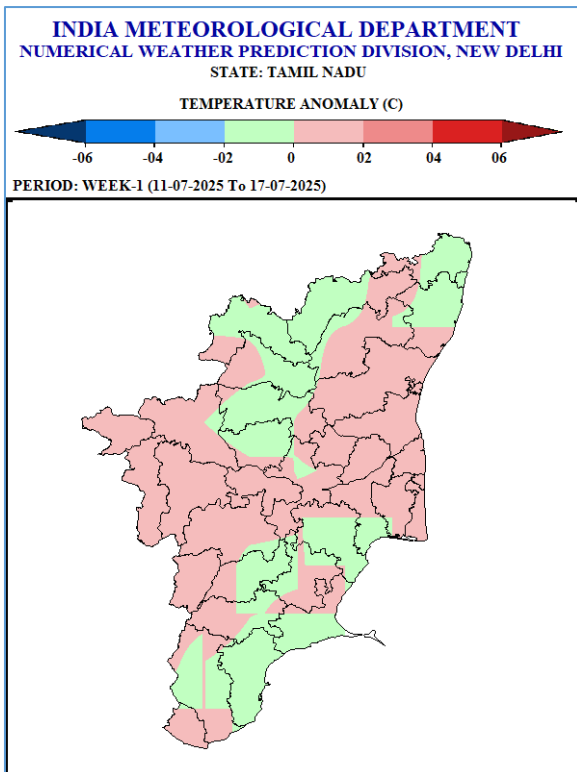
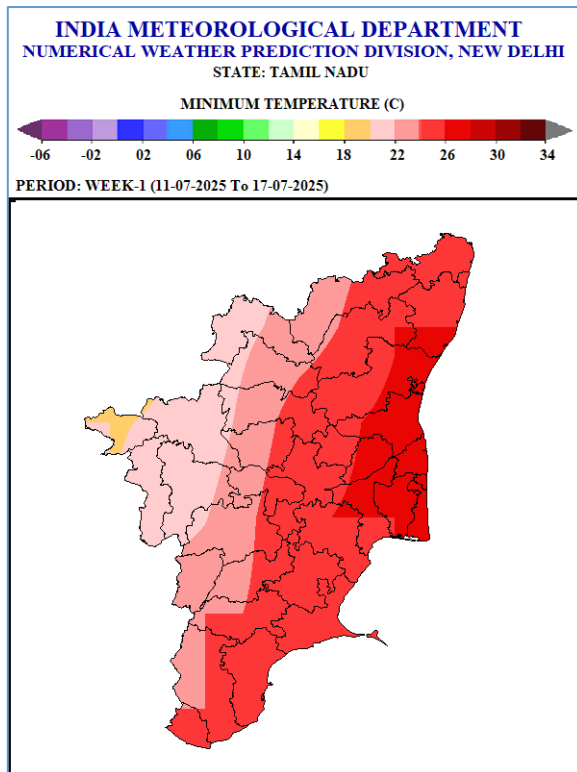


Fig.4b: Predicted minimum temperature (°C) and its departure from the normal (°C) during the Week-1 (11-07-2025 to 17-07-2025) & Week-2 (18-07-2025 to 24-07-2025)