

 India Meteorological Department	<p style="text-align: center;">இந்திய அரசு இந்திய வானிலை ஆய்வு துறை மண்டல வானிலை ஆய்வு மையம் 6, கல்லூரி சாலை, சென்னை-600006 - தொலைபேசி : 044- 28271951.</p>		<p style="text-align: center;">GOVERNMENT OF INDIA INDIA METEOROLOGICAL DEPARTMENT Regional Meteorological Centre No. 6, College Road, Chennai-600006 Phone: 044- 28271951.</p>
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DATE: 22 April 2024	Time of Issue: 1300 Hrs IST
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FROM: REGIONAL WEATHER FORECASTING CENTRE, CHENNAI

TO: The Commissioner of Revenue Administration (Tamil Nadu)
The Special Branch CID, O/ of the DGP Campus, Mylapore (Mobile: 94981 02750)
The Commissioner of Chennai / IS - Inspector Control Room /
The Commissioner of Greater Chennai Corporation,
The District Collector, Karaikal
The Chief Secretary / The Commissioner-cum-Secretary (Revenue), SB CID /
The Special Secretary to Government-cum- District Collector, Puducherry.

DAILY WEATHER BULLETIN FOR TAMIL NADU AND PUDUCHERRY

Summary of observations over Tamil Nadu and Puducherry recorded at 0830 hrs IST:

Rainfall occurred at one or two places over Tamilnadu. Dry weather prevailed over Puducherry and Karaikal area.

CHIEF AMOUNT OF RAINFALL IN CENTIMETERS:

Thirparappu (dist Kanniyakumari) 4, Thalavadi (dist Erode), Pechiparai (dist Kanniyakumari) 2 each, Sholayar (dist Coimbatore), Mambzhathuraiyaru (dist Kanniyakumari), Mukkadai Dam (dist Kanniyakumari), Anaikedanku (dist Kanniyakumari), Bhoothapandy (dist Kanniyakumari), Balamore (dist Kanniyakumari) 1 each.

DESCRIPTION OF TEMPERATURE:

During the 24-hr ending 08:30 IST of today (**22.04.2024**), the maximum temperatures over Tamilnadu rose slightly and were generally **above normal to appreciably above normal by 3-4°C** over isolated pockets in the plains of interior Tamilnadu. They were **normal to above normal** (1-3°C above normal) over the coastal areas of Tamilnadu and near **normal** over Puducherry & Karaikal areas.

Highest maximum temperature was recorded at **Erode: 42.2°C (+4.7°C)** followed by **Karur Paramathi: 41.5°C (+4.0°C)**, **Salem: 41.0°C (+3.1°C)**, **Vellore: 40.8°C (+1.9°C)**, **Trichy: 40.6°C (+2.5°C)**, **Madurai AP: 40.2 °C (+2.4°C)** **Tirupathur: 40.2°C (+2.5°C)** & **Tiruthani: 40.0°C (+1.6°C)**.

Plains of **the rest of interior** Tamilnadu recorded **35-39°C**.

The **coastal areas** of Tamilnadu, Puducherry & Karaikal recorded **35°C to 39°C** and the **hilly areas**, 24°C to 30°C (generally, above normal maximum temperatures).

Chennai recorded normal to above normal maximum temperatures (**MBK:37.8°C, +1.5°C** and **NBK:35.4°C, +0.3°C**).

MAXIMUM TEMPERATURE (24 HOURS CHANGE):

Markedly rise (4.1° C or more)	-----
Appreciably rise (2.1° C to 4.0° C)	-----
Appreciable fall (-2.1 ° C to -4.0° C)	-----
Markedly fall (-4.1° C or less)	-----

No large change (-2.1° C to 2.0° C)

Over rest of the sub division.

MAXIMUM TEMPERATURE (DEPARTURE):

Markedly above normal (5.1 °C or more)	-----
Appreciably above Normal (3.1- 5.0 °C)	Over Erode, Karur, Salem and Nilgiris (Ooty) districts.
Above normal (1.6° C to 3.0° C)	Over Coimbatore, Nilgiris (Coonoor), Dharmapuri, Kanyakumari, Madurai, Thirupattur, Trichy, Tiruvallur, Ramanathapuram and Vellore districts.
Below normal (-1.6 ° to -3.0 ° C)	-----
Appreciably below normal (-3.1 to -5.0°C)	-----
Markedly below normal (-5.1 or less)	-----
Normal (-1.5° C to 1.5° C)	Over rest of the subdivision.

Namakkal recorded the lowest minimum temperature of **21.5°C** in the plains of the region.

MINIMUM TEMPERATURE (24 HOURS CHANGE):

Markedly rise (4.1° c or more)	-----
Appreciable rise (2.1 ° C to 4.0°)	-----
Appreciable fall (-2.1° C to -4.0°)	Over Tiruvallur district and Karaikal area.
Markedly fall (-4.1° C or less)	-----
No large change (-2.0° C to 2.0° C)	Over the entire subdivision.

MINIMUM TEMPERATURE (DEPARTURE):

Markedly above normal (5.0 ° C or more)	-----
Appreciably above Normal (3.1° C to 5.0 ° C)	Over Tirunelveli district.
Above Normal (1.6 °C to 3.0 °C)	Over Thanjavur, Coimbatore, Ramanathapuram, Salem, Thirupattur and Thoothukudi districts.
Below normal (-1.6 ° to -3.0 ° C)	-----
Appreciably below normal (- 3.1° C to -5.0°C)	-----
Markedly below normal (- 5.0° C or less)	-----
Normal (-1.5° C to 1.5° C)	Over rest of the subdivision.

Synoptic Meteorological feature:

A cyclonic circulation lies over Southeast Arabian Sea and extends upto 1.5 km above mean sea level.

Yesterday's trough/wind discontinuity from south Chhattisgarh to south Tamil Nadu now runs from South Chhattisgarh to South Kerala across Vidarbha, a cyclonic circulation over Marathwada & Interior Karnataka at 0.9 km above mean sea level.

Yesterday's cyclonic circulation over Gulf of Mannar & neighbourhood at 0.9 km above mean sea level has become less marked.

FORECAST & WARNINGS FOR TAMILNADU AND PUDUCHERRY FOR NEXT SEVEN DAYS

Day 1 (22.04.2024)	Light rain is likely to occur at one or two places over South Tamilnadu. Dry weather is very likely to prevail over North Tamilnadu, Puducherry and Karaikal area.
Day 2 (23.04.2024)	Light rain is likely to occur at one or two places over South Tamilnadu. Dry weather is very likely to prevail over North Tamilnadu, Puducherry and Karaikal area.
Day 3 (24.04.2024)	Light rain is likely to occur at one or two places over South Tamilnadu. Dry weather is very likely to prevail over North Tamilnadu, Puducherry and Karaikal area.
Day 4 (25.04.2024)	Light rain is likely to occur at one or two places over South Tamilnadu. Dry weather is very likely to prevail over North Tamilnadu, Puducherry and Karaikal area.
Day 5 (26.04.2024)	Light rain is likely to occur at one or two places over South Tamilnadu. Dry weather is very likely to prevail over North Tamilnadu, Puducherry and Karaikal area.
Day 6 (27.04.2024)	Light rain is likely to occur at one or two places over South Tamilnadu. Dry weather is very likely to prevail over North Tamilnadu, Puducherry and Karaikal area.
Day 7 (28.04.2024)	Light rain is likely to occur at one or two places over South Tamilnadu. Dry weather is very likely to prevail over North Tamilnadu, Puducherry and Karaikal area.

TEMPERATURE FORECAST

Day 1 (22.04.2024) to Day 5 (26.04.2024)	<u>Maximum Temperature:</u> Maximum temperature is likely to be 2-3°C above normal at a few places over interior Tamilnadu during the next five days (22.04.2024 to 26.04.2024). No large change in maximum temperature is likely over rest Tamilnadu districts, Puducherry and Karaikal area for next five days (22.04.2024 to 26.04.2024). Maximum temperature is likely to be 39-41°C at a few pockets over the plains of the north interior districts, 34-38°C over the plains of rest of Tamilnadu, Puducherry & Karaikal area. <u>Relative Humidity (22.04.2024 & 26.04.2024):</u> Humidity is likely to be about 30-50% in the afternoon hours and 40-75% during the rest of the day over the plains of interior districts; and 50-85% over the coastal areas during the next five days.
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HEAT WAVE WARNING

Day 1 (22.04.2024)	Heat wave conditions are very likely to prevail at isolated pockets over North Interior Tamilnadu.
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TEMPERATURE WARNING

Day 1 (22.04.2024) to Day 5 (26.04.2024)	Due to high temperatures and humid conditions, hot and discomfort weather is likely at isolated pockets over Tamilnadu during the next five days.
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LOCAL FORECAST FOR CHENNAI CITY AND NEIGHBOURHOOD**For next 24 hours**Sky condition is likely to be partly cloudy. Maximum temperature is likely to be **37- 38°C** and Minimum temperature is likely to be **around 28°C**.**For next 48 hours**Sky condition is likely to be partly cloudy. Maximum temperature is likely to be **37-38 °C** and Minimum temperature is likely to be **around 28°C**.

For Director
Area Cyclone Warning Centre
Regional Meteorological Centre, Chennai

Legends:

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

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