



இந்திய அரசு
இந்திய வானிலை ஆய்வு துறை
மண்டல வானிலை ஆய்வு மையம்
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GOVERNMENT OF INDIA
INDIA METEOROLOGICAL DEPARTMENT
Regional Meteorological Centre
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DATE: 24 April 2024

Time of Issue: 1300 Hrs IST

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 South Tamilnadu. Dry weather prevailed over North Tamilnadu, Puducherry and Karaikal area.

CHIEF AMOUNT OF RAINFALL IN CENTIMETERS: Sothuparai (dist Theni) 5, Thuckalay (dist Kanniyakumari) 3, Sivalogam (dist Kanniyakumari) 2.

DESCRIPTION OF TEMPERATURE:

During the 24-hr ending 08:30 IST of today (**24.04.2024**), the maximum temperatures over Tamilnadu were generally **above normal by 2-4°C** over many pockets in the plains of interior Tamilnadu. They were **4-5°C** above normal at isolated pockets over north interior Tamilnadu (Erode, Dharmapuri & Karur districts). Heat wave conditions prevailed over **Erode district** of north interior Tamilnadu.

Nine stations of interior Tamilnadu recorded maximum temperature of **40°C - 42°C**.

Highest maximum temperature was recorded at **Salem : 42.3°C (+4.4°C)** followed by **Erode: 42.0°C (+4.5°C)**, **Tirupattur: 41.6°C (+3.9°C)**, **Karur Paramathi: 41.5°C (+4.0°C)** & **Vellore: 41.5°C (+2.6°C)**, **Dharmapuri: 41.0°C (+3.8°C)** & **Madurai city: 41.0°C (+3.8°C)**, **Namakkal: 40.5°C**, **Thiruchirapalli: 40.1°C (+2.0°C)**.

Plains of the rest of interior Tamilnadu recorded **38-39°C**.

The **coastal areas** of Tamilnadu, Puducherry & Karaikal recorded **34°C to 38°C** and the **hilly areas**, 21°C to 28°C (generally, above normal maximum temperatures).

Chennai recorded normal maximum temperatures (MBK: 38.3°C (+2.0) & NBK: 36.1°C (+1.0°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 the entire subdivision.

MAXIMUM TEMPERATURE (DEPARTURE):

Markedly above normal (5.1 °C or more)	-----
Appreciably above Normal (3.1- 5.0 °C)	Over Dharmapuri, Erode, Karur, Madurai, Salem, Thirupattur and Nilgiris (Ooty) districts.
Above normal (1.6° C to 3.0° C)	Over Thanjavur, Chennai, Coimbatore, Nilgiris (Coonoor), Kanyakumari, Dindigul, Madurai, Tirunelveli, Trichy, 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 20.5°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 and Vellore districts
Markedly fall (-4.1° C or less)	-----
No large change (-2.0° C to 2.0° C)	Over rest of the 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 Thirupattur and Thoothukudi districts.
Below normal (-1.6 ° to -3.0 ° C)	Over Erode, Tiruvallur and Vellore districts.
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 Telangana and adjoining Coastal Andhra Pradesh at 0.9 km above mean sea level.

A trough/wind discontinuity runs from above cyclonic circulation over Telangana and adjoining Coastal Andhra Pradesh to south Tamil Nadu at 0.9 km above mean sea level.

A cyclonic circulation lies over North Interior Karnataka and neighbourhood at 1.5 km above mean sea level.

Yesterday's trough/wind discontinuity from Madhya Maharashtra to Kerala across Karnataka at 0.9 km above mean sea level has become less marked.

Yesterday's cyclonic circulation over South Interior Karnataka & neighbourhood at 1.5 km above mean sea level has become less marked.

Yesterday's cyclonic circulation over Comorin area at 1.5 km above mean sea level has become less marked.

FORECAST & WARNINGS FOR TAMILNADU AND PUDUCHERRY FOR NEXT SEVEN DAYS

Day 1 (24.04.2024)	Light rain is likely to occur at one or two places over South Tamilnadu and western Ghats districts of North Tamilnadu. Dry weather is very likely to prevail over rest Tamilnadu, Puducherry and Karaikal area.
Day 2 (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 3 (26.04.2024)	Dry weather is very likely to prevail over Tamilnadu, Puducherry and Karaikal area.
Day 4 (27.04.2024)	Dry weather is very likely to prevail over Tamilnadu, Puducherry and Karaikal area.
Day 5 (28.04.2024)	Dry weather is very likely to prevail over Tamilnadu, Puducherry and Karaikal area.
Day 6 (29.04.2024)	Dry weather is very likely to prevail over Tamilnadu, Puducherry and Karaikal area.
Day 7 (30.04.2024)	Dry weather is very likely to prevail over Tamilnadu, Puducherry and Karaikal area.

TEMPERATURE FORECAST

Day 1 (24.04.2024) to Day 5 (28.04.2024)	<u>Maximum Temperature:</u> Maximum temperature is likely to be 3-5°C above normal at isolated pockets over North Interior Tamilnadu during the next two days. (24.04.2024 & 25.04.2024) . It is likely to be 39-42°C at a few pockets over the plains of the interior districts for the next two days (24.04.2024 & 25.04.2024) . Maximum temperature is likely to be 2-4°C above normal at a few pockets over Interior Tamilnadu during the subsequent three days. (26.04.2024 to 28.04.2024) . It is likely to be 38-41°C at a few pockets over the plains of the interior districts during the subsequent three days. (26.04.2024 to 28.04.2024) . Maximum temperature is likely to be 35-38°C at a few pockets over the rest of Tamilnadu, Puducherry & Karaikal area for the next five days. (24.04.2024 to 28.04.2024) . <u>Relative Humidity (24.04.2024 to 28.04.2024):</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 (24.04.2024) & Day 2 (25.04.2024)	Heat wave conditions are very likely to prevail at isolated pockets over North Interior Tamilnadu.
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TEMPERATURE WARNING

**Day 1 (24.04.2024)
to
Day 5 (28.04.2024)**

Due to high temperatures and humid conditions, hot and discomfort weather is likely at isolated pockets over **Tamilnadu** during the next five days.

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 **26-27°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 **26-27°C**.

For Director
Area Cyclone Warning Centre
Regional Meteorological Centre, Chenn

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