



இந்திய அரசு
இந்திய வானிலை ஆய்வு துறை
மண்டல வானிலை ஆய்வு மையம்
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GOVERNMENT OF INDIA
INDIA METEOROLOGICAL DEPARTMENT
Regional Meteorological Centre
No. 6, College Road,
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DATE: Tuesday, April 16, 2024 (27 Chaitra 1946)

Time of issue: 1300 Hrs IST

DAILY WEATHER REPORT FOR TAMILNADU, PUDUCHERRY & KARAIKAL AREA

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

Rainfall occurred at a few places over South Tamilnadu; Rainfall occurred at one or two places over North Tamilnadu. Dry weather prevailed over Puducherry and Karaikal area.

CHIEF AMOUNT OF RAINFALL IN CENTIMETERS:

Papanasam (dist Tirunelveli) 6, Servalar Dam (dist Tirunelveli), Valinokam (dist Ramanathapuram) 4 each, Cheranmahadevi (dist Tirunelveli), Tiruchendur (dist Thoothukudi), Oothu (dist Tirunelveli), Kannadaian Anicut (dist Tirunelveli) 3 each, Manimutharu (dist Tirunelveli), Nalumukku (dist Tirunelveli), Kakkachi (dist Tirunelveli), Manjolai (dist Tirunelveli) 2 each, Surangudi (dist Thoothukudi), Kodaikanal Boat Club (dist Dindigul), Pilavakkal Periyar Dam (dist Virudhunagar), Kulasekarapattinam (dist Thoothukudi), Bodinaickanur (dist Theni), Ramanadhi Dam Section (dist Tenkasi), Kamudhi (dist Ramanathapuram), Ambasamudram (dist Tirunelveli), Kayalpattinam (dist Thoothukudi) 1 each.

DESCRIPTION OF TEMPERATURE:

During the 24-hr ending 08:30 IST of today (16.04.2024), the maximum temperatures over Tamilnadu were generally near normal over Tamilnadu, Puducherry & Karaikal area.

They were 37°C to 40°C over the plains of north interior Tamilnadu, 33°C to 37°C over the north coastal areas and plains of south Tamilnadu, Puducherry & Karaikal and 19°C to 29°C over the hilly areas.

Highest maximum temperature was recorded over Erode: 40.2°C (+2.4°C) followed by Salem: 39.8°C (+2.0°C).

Chennai recorded normal maximum temperature (MBK:36.0°C and NBK:34.6°C).

MAXIMUM TEMPERATURE (24 HOURS CHANGE):

Markedly rise (4.1° C or more)	-----
Appreciably rise (2.1° C to 4.0° C)	Over Nilgiris district.
Appreciable fall (-2.1 ° C to -4.0° C)	Over Ramanathapuram district.
Markedly fall (-4.1° C or less)	-----
No large change (-2.1° C to 2.0° C)	Over the rest of the subdivision.

MAXIMUM TEMPERATURE (DEPARTURE):

Markedly above normal (5.1 °C or more)	Over Nilgiris district.
Appreciably above Normal	Over Coimbatore district.

(3.1- 5.0 °C)	
Above normal (1.6° C to 3.0° C)	Over Thanjavur, Dharmapuri, Erode and Salem districts.
Below normal (-1.6 ° to -3.0 ° C)	Over Tirunelveli district.
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 the rest of the subdivision.

Namakkal recorded the lowest minimum temperature of **19.5°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°)	Over Thoothukudi district.
Appreciable fall (-2.1° C to -4.0°)	-----
Markedly fall (-4.1° C or less)	-----
No large change (-2.0° C to 2.0° C)	Over the 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)	-----
Above Normal (1.6 ° C to 3.0 ° C)	Over Tirunelveli and Thoothukudi districts.
Below normal (-1.6 ° to -3.0 ° C)	Over Dharmapuri, Erode, Karur and Dindigul 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 the rest of the subdivision.

Synoptic Meteorological feature:

Yesterday's cyclonic circulation over Gulf of Mannar now lies over south Tamil Nadu & neighbourhood and extends upto 1.5 km above mean sea level.

A cyclonic circulation lies over Rayalaseema at 1.5 km above mean sea level.

A trough runs from Marathwada to North Interior Karnataka at 0.9 km above mean sea level.

FORECAST & WARNINGS FOR TAMILNADU AND PUDUCHERRY FOR NEXT SEVEN DAYS

Day 1 (16.04.2024)	Light to Moderate 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 (17.04.2024)	Light to Moderate rain is likely to occur at one or two places over Western Ghats districts. Dry weather is very likely to prevail over rest Tamilnadu, Puducherry and Karaikal area.
Day 3 (18.04.2024)	Light to Moderate rain with thunderstorm and lighting is likely to occur at

	one or two places over Tamilnadu, Puducherry and Karaikal area.
Day 4 (19.04.2024)	Light to Moderate rain with thunderstorm and lightning is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area.
Day 5 (20.04.2024)	Light to Moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area.
Day 6 (21.04.2024)	Light to Moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area.
Day 7 (22.04.2024)	Light to Moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area.

THUNDERSTORM WARNING

Day 3 (18.04.2024) & Day 4 (19.04.2024)	Thunderstorm & lightning is likely to occur at one or two places over Tamilnadu .
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TEMPERATURE FORECAST

Day 1 (16.04.2024) to Day 5 (20.04.2024)	<p>Maximum Temperature: Gradual rise in maximum temperatures by 2-3°C during the next five days over Tamilnadu.</p> <p>Relative Humidity: Humidity is likely to be about 30-50% in the afternoon hours and 40-70% during the rest of the day over the plains of interior districts; and 50-80% over the coastal areas during the next five days.</p>
Day 1 (16.04.2024) & Day 2 (17.04.2024)	<p>Maximum temperature is likely to be 2-3°C above normal at a few pockets over north Tamilnadu during the next two days.</p> <p>It is likely to be 37°C to 40°C at many pockets over the plains of the north interior districts; and 34°C to 38°C in most pockets over north coastal & south Tamilnadu, Puducherry & Karaikal during the next 2 days.</p>
Day 3(18.04.2024) to Day 5(20.04.2024)	<p>Maximum temperature is likely to be 2-4°C above normal at a few pockets over interior Tamilnadu during 18.04.2024 - 20.04.2024.</p> <p>It is likely to be 38-41°C at many pockets over the plains of the interior districts during 18.04.2024 - 20.04.2024.</p>

TEMPERATURE WARNING

Day 1 (16.04.2024) to Day 5 (20.04.2024)	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 36-37 °C and Minimum temperature is likely to be around 27°C .
For next 48 hours	Sky condition is likely to be partly cloudy. Maximum temperature is likely to be 36-37 °C and Minimum temperature is likely to be around 27°C .

P. SENTHAMARAI KANNAN,
SCIENTIST 'F'
For Deputy Director General of Meteorology,
Regional Meteorological Centre, Chennai

OBSERVATIONS RECORDED AT 0830 HRS IST OF DATE:16-04-2024 (27 Chaitra 1946 SAKA)

Stations	Temperature Degrees celsius				Humidity percentage		Rainfall					Weather remarks
	Maximum		Minimum		At 0830 Hrs IST	Dep. from normal	Millimeters			Centimeters		
	Past 24 Hrs	Dep. from normal	Past 24 Hrs	Dep. from normal			Past 24 Hrs	Seasons total from	Departure from normal	Year's total from	Annual normal	
	°C	°C	°C	°C			%	%	mm	1-3-2024	mm	
Adiramapattinam	36.1	1.7	25.7	-1.0	83	7	0.0	17.7	-34.4	5	124	
Chennai	34.6	-0.2	27.8	0.6	70	-5	0.0	0.0	-12.6	7	140	
Chennai_AP	36.0	0.0	25.6	-0.9	72	0	0.0	0.0	-18.4	8	138	z*
Coimbatore_AP	37.0	0.7	25.4	1.3	78	3	0.0	0.0	-25.0	2	59	m*
Coonoor	24.0	-0.6	14.0	-1.4	74	-1	0.0	184.6	38.4	33	159	
Cuddalore	34.8	0.3	26.5	0.4	83	8	0.0	0.0	-25.4	15	134	
Dharmapuri	38.5	1.6	22.0	-2.1	74	6	0.0	0.0	-38.4	1	91	
Erode	40.2	2.4	21.0	-2.1	66	2	0.0	0.0	--	1	--	
Kanyakumari	34.3	1.1	27.6	1.3	75	2	0.5	82.1	22.6	9	75	r
KarurParamathi	38.5	1.2	23.0	-2.3	75	2	0.0	0.0	-27.7	2	59	
Karaikal	34.2	0.0	26.4	-0.1	78	1	0.0	2.0	-36.6	24	150	
Kodaikanal	20.6	-0.4	10.5	-1.7	64	-6	1.0	34.3	-88.2	12	158	r*
Madurai_City	35.4	-1.1	24.4	-0.3	82	9	0.0	12.9	--	2	--	m*
Madurai_AP	37.5	-0.2	26.6	0.8	80	13	tr	16.2	-27.4	3	85	d*
Nagapattinam	34.4	0.3	26.6	0.1	75	-3	0.0	0.5	-38.8	29	143	
Namakkal	39.0	--	19.5	--	NA	--	0.0	0.0	--	1	--	
Palayamkottai	34.5	-2.1	27.6	2.0	82	4	2.0	2.0	-75.4	5	73	r*
Pamban	34.8	0.3	27.2	-0.3	81	6	0.0	51.7	6.0	12	91	
Parangipettai	35.0	--	26.0	--	83	--	0.0	0.0	-34.6	14	139	
Puducherry	35.2	0.6	26.4	-0.1	81	4	0.0	0.0	-29.5	18	134	
Salem	39.8	2.0	24.6	-0.8	73	3	0.0	2.2	-30.1	Tr	102	z*
Thanjavur	37.0	--	27.2	--	71	--	0.0	1.0	-18.2	6	95	
Thirupattur	38.2	1.0	24.2	-0.3	54	-17	0.0	0.0	-21.7	Tr	95	
Tiruchirappalli_AP	38.7	0.7	26.4	0.0	72	2	0.0	0.0	-25.5	1	87	z*
Tiruthani	38.5	1.2	23.5	-1.5	64	-5	0.0	0.0	-20.8	3	101	
Tondi	34.4	0.5	26.0	-0.9	76	0	0.0	17.8	-40.2	4	88	
Thoothukudi	32.0	-1.5	27.5	1.7	77	-2	1.8	--	--	--	63	r*
Udagamandalam	28.1	5.5	11.2	0.2	53	-16	0.0	0.0	-60.1	5	116	
Valparai	31.5	3.2	16.5	-0.3	90	3	0.0	35.2	-58.1	13	290	
Vellore	38.3	-0.2	24.1	-0.9	70	-4	0.0	0.0	-25.3	2	103	

*Weather at 0830 hours IST. Other remarks refer to preceding 24 hours. NA-Not avble D-Duststorm l-Lightning d-drizzle m-mist s-snow r-rain h-hail f-fog p-shower z-haze t-thunderstorm tr-rainfall not measurable. Tr-rainfall 0.01 to 0.49 cm AP-Airport plus sign omitted when departures above normal.

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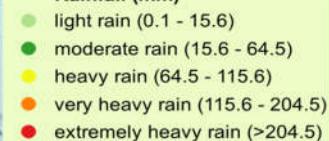
INDIA METEOROLOGICAL DEPARTMENT

REGIONAL METEOROLOGICAL CENTRE, CHENNAI

Districtwise daily / seasonal rainfall distribution for Tamil Nadu & Puducherry

PRE-MONSOON RAINFALL 2024		16.04.2024			From 01.03.2024 to 16.04.2024		
CODE	NAME	ACTUAL in mm	NORMAL in mm	PDN*	ACTUAL in mm	NORMAL in mm	PDN*
	STATES						
31	TAMIL NADU	0.9	1.3	-33	8.7	37.6	-77
	MET. SUBDIVISIONS						
31	TAMIL NADU & PUDUCHERRY						
534	ARIYALUR	0.0	0.6	-100	1.9	18.6	-90
687	CHENGALPATTU	0.0	0.2	-100	0.0	14.1	-100
461	CHENNAI	0.0	0.8	-100	0.0	11.7	-100
462	COIMBATORE	0.0	2.1	-100	4.6	46.7	-90
463	CUDDALORE	0.0	0.2	-100	0.0	26.6	-100
464	DHARMAPURI	0.0	1.6	-100	0.0	33.9	-100
465	DINDIGUL	1.3	2.6	-48	12.7	52.4	-76
466	ERODE	0.0	2.0	-100	0.9	38.1	-98
688	KALLAKURICHI	0.0	0.1	-100	0.0	17.8	-100
467	KANCHEEPURAM	0.0	0.4	-100	0.0	13.5	-100
468	KANYAKUMARI	0.3	4.0	-93	36.7	95.4	-62
636	KARAIKAL	0.0	0.1	-100	2.0	38.6	-95
469	KARUR	0.0	2.1	-100	0.0	26.9	-100
470	KRISHNAGIRI	0.0	1.9	-100	0.0	29.7	-100
471	MADURAI	0.0	2.3	-100	16.8	45.7	-63
695	MAYILADUTHURAI	0.0	0.0	-100	0.0	31.5	-100
472	NAGAPATTINAM	0.0	0.6	-100	17.0	39.0	-56
473	NAMAKKAL	0.0	1.3	-100	0.0	29.4	-100
474	NILGIRIS	0.0	1.9	-100	30.6	69.7	-56
475	PERAMBALUR	0.0	0.8	-100	0.0	17.5	-100
476	PUDUCHERRY	0.0	0.0	-100	0.0	29.5	-100
477	PUDUKKOTTAI	0.0	0.5	-100	8.3	26.4	-69
478	RAMANATHAPURAM	3.7	0.9	309	14.5	50.3	-71
689	RANIPET	0.0	0.3	-100	0.0	16.0	-100
479	SALEM	0.0	2.2	-100	0.1	35.9	-99
480	SIVAGANGA	0.0	1.8	-100	6.4	43.8	-85
690	TENKASI	2.4	2.6	-6	28.7	92.9	-69
481	THANJAVUR	0.0	0.4	-100	10.1	29.8	-66
482	THENI	0.8	1.7	-56	17.6	62.8	-72
483	TIRUNELVELI	15.3	1.5	921	68.4	75.2	-9
691	TIRUPATTUR	0.0	1.1	-100	0.0	20.8	-100
535	TIRUPPUR	0.0	2.4	-100	0.0	29.6	-100
484	TIRUVALLUR	0.0	0.3	-100	0.3	15.8	-98
485	TIRUVANNAMALAI	0.0	0.3	-100	0.0	19.9	-100
486	TIRUVARUR	0.0	0.6	-100	6.5	32.6	-80
488	TOOTHUKUDI	3.7	1.4	164	14.9	60.1	-75
487	TRICHY	0.0	0.6	-100	3.0	24.0	-88
489	VELLORE	0.0	0.6	-100	0.0	21.4	-100
490	VILLUPURAM	0.0	0.0	-100	0.0	13.3	-100
491	VIRUDHUNAGAR	1.3	1.7	-23	31.7	56.7	-44
	SUBDIVISION RAINFALL	0.9	1.3	-33	8.7	37.6	-77
LEGEND	PDN*	Percentage Departure from Normal					
	**	Rainfall for the 24 hrs ending at 0630 hrs of date					

Departure from Normal : (-) 77 %





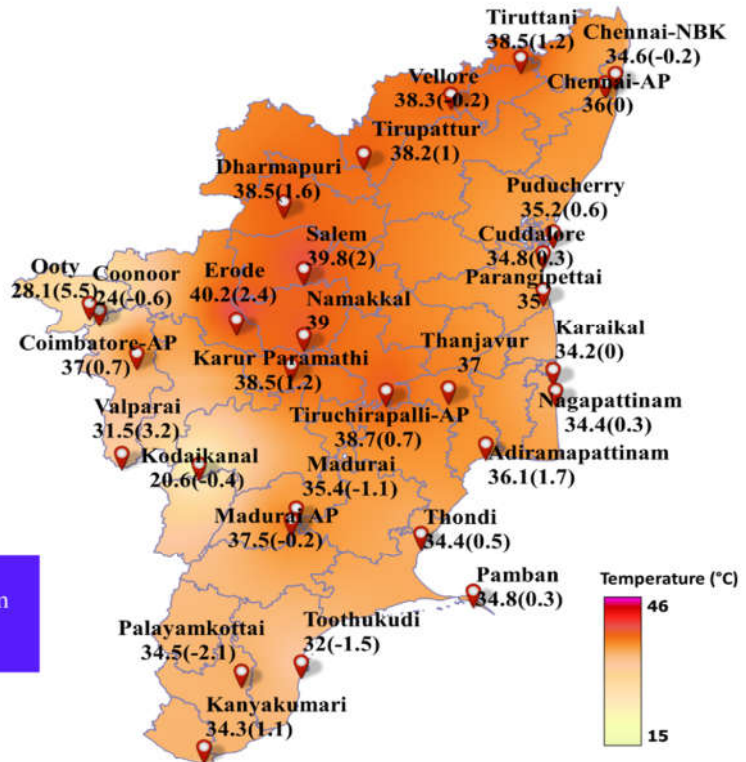
Realised Maximum Temperature (°C) in the past 24 Hrs (upto 0830 IST of 16/04/2024) and its departure from normal(°C)



India Meteorological Department
Regional Meteorological Centre, Chennai
Date: 16/04/2024

The highest temperature recorded : 40.2°C
Place : Erode

N.B. The departure from normal maximum temperature is given in brackets.



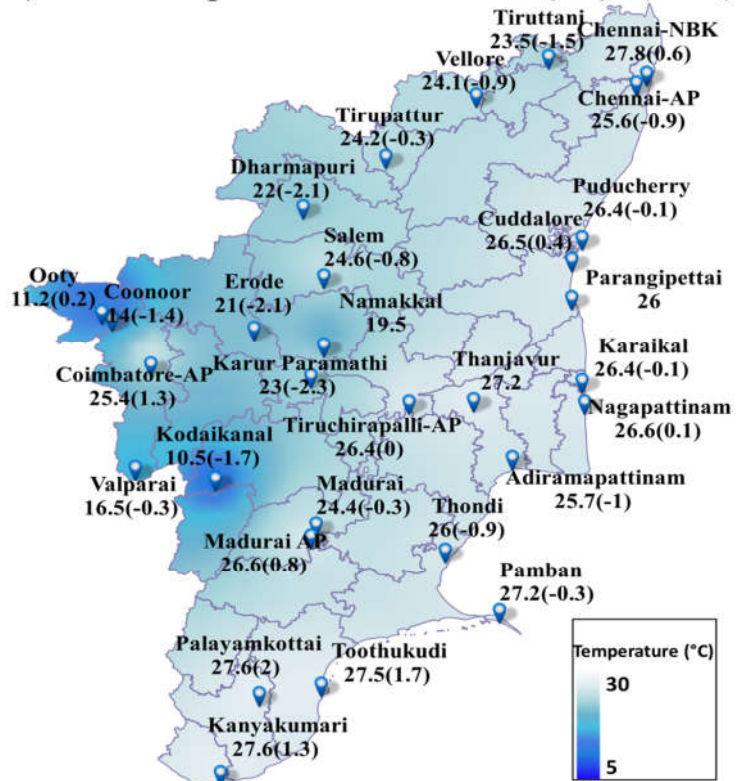
Realised Minimum Temperature (°C) in the past 24 Hrs (upto 0830 IST of 16/04/2024) and its departure from normal(°C)



India Meteorological Department
Regional Meteorological Centre, Chennai
Date : 16/04/2024

The lowest temperature recorded in the plains : 19.5°C
Place : Namakkal
The lowest temperature recorded in the hilly region : 10.5°C
Place : Kodaikanal

N.B. The departure from normal minimum temperature is given in brackets.



Legends:

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

For more details visit www.mausam.imd.gov.in/chennai