

இந்திய அரசு
இந்திய வானிலை ஆய்வு துறை
மண்டல வானிலை ஆய்வு மையம்
6, கல்லூரி சாலை
சென்னை - 600006
தொலைபேசி : 044- 28271951



GOVERNMENT OF INDIA
INDIA METEOROLOGICAL DEPARTMENT
Regional Meteorological Centre
6, College Road
Chennai-600006
Phone: 044- 28271951

DATE: Saturday, April 22, 2023 (2 Vaisakha 1945)

Time of issue: 1230 Hrs IST

DAILY WEATHER REPORT FOR TAMILNADU, PUDUCHERRY & KARAIKAL AREA

Rainfall occurred at isolated places over Tamilnadu. Dry weather prevailed over Puducherry and Karaikal area.

CHIEF AMOUNT OF RAINFALL IN CENTIMETERS: Bodinaickanur (dist Theni), Vadapudupattu (dist Tirupattur), Valparai Pap (dist Coimbatore), Valparai PTO (dist Coimbatore) 4 each, Valparai Taluk Office (dist Coimbatore), Palavidithi (dist Karur), Cincona (dist Coimbatore) 3 each, Kakkachi (dist Tirunelveli), Viralimalai (dist Pudukkottai), Madurai South (dist Madurai), Chinnakalar (dist Coimbatore), Tirunelveli, Tirunelveli AWS, Sattur (dist Virudhunagar), Katpadi (dist Vellore), Ambur (dist Tirupattur) 2 each, Veerapandi (dist Theni), Annur (dist Coimbatore), Palayamkottai (dist Tirunelveli), Mettupalayam (dist Coimbatore), Pappireddipatti (dist Dharmapuri), Kangeyam (dist Tiruppur), Natrampalli (dist Tirupattur), Uthagamandalam (dist Nilgiris), Thekkadi (dist Theni), Tallakulam (dist Madurai), Chennimalai (dist Erode), Kangeyam (dist Tiruppur) 1 each.

DESCRIPTION OF TEMPERATURE:

Karur Paramathi recorded the highest maximum temperature of **41.0 °C** over the subdivision.

MAXIMUM TEMPERATURE (24 HOURS CHANGE):

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

MAXIMUM TEMPERATURE (DEPARTURE):

Markedly above normal (5.1 °C or more)	-----
Appreciably above Normal (3.1 °C to 5.0 °C)	Over Karur, Nagapattinam and Madurai districts.
Above normal (1.6° C to 3.0° C)	Over Chennai, Cuddalore, Madurai, Tirunelveli, Tirupattur, Tiruchirapalli and Erode districts and Puducherry.
Below normal (-1.6 ° to -3.0 ° C)	Over Coimbatore and Nilgiris districts
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.

Synoptic Meteorological feature:

A cyclonic circulation lies over interior Tamil Nadu & neighbourhood at 1.5 km above mean sea level. Yesterday's trough/wind discontinuity now runs from northwest Madhya Pradesh to south Tamilnadu across interior Maharashtra and interior Karnataka at 0.9 km above mean sea level.

FORECAST & WARNINGS FOR TAMILNADU AND PUDUCHERRY FOR NEXT FIVE DAYS

Day 1 (22-04-2023)	Light to moderate rain at a few places with thunderstorm and lightning at isolated places is likely to occur over Tamilnadu, Puducherry and Karaikal area.
Day 2 (23-04-2023)	Light to moderate rain at a few places with thunderstorm and lightning at isolated places is likely to occur over Tamilnadu, Puducherry and Karaikal area. Heavy rain is likely to occur at isolated places over Nilgiris, Coimbatore, Tiruppur, Erode, Theni, Dindigul, Tirunelveli, Thenkasi, Salem, Dharmapuri, Kallakurichi, Vellore, Tirupattur, Ranipet and Tiruvannamalai districts.
Day 3 (24-04-2023)	Light to moderate rain at a few places with thunderstorm and lightning at isolated places is likely to occur over Tamilnadu, Puducherry and Karaikal area.
Day 4 (25-04-2023)	Light to moderate rain at a few places with thunderstorm and lightning at isolated places is likely to occur over Tamilnadu, Puducherry and Karaikal area.
Day 5 (26-04-2023)	Light to moderate rain with thunderstorm and lightning at isolated places is likely to occur over Tamilnadu, Puducherry and Karaikal area.

HEAVY RAINFALL WARNING

Day 2(23.04.2023)	Heavy rain is likely to occur at isolated places over Nilgiris, Coimbatore, Tiruppur, Erode, Theni, Dindigul, Tirunelveli, Thenkasi, Salem, Dharmapuri, Kallakurichi, Vellore, Tirupattur, Ranipet and Tiruvannamalai districts.
--------------------------	--

THUNDERSTORM WARNING

Day 1(22.04.2023) to Day 5(26.04.2023)	Thunderstorm & lightning is likely to occur at isolated places over Tamilnadu, Puducherry and Karaikal area.
---	--

TEMPERATURE FORECAST

Forecast for next 24 hours	Impact	Action suggested to the public
Maximum temperature is likely to be above normal by 2-3°C at isolated pockets over Tamil Nadu & Puducherry during next 24 hours.	High maximum temperatures coupled with high humidity is likely to cause fatigue and discomfort to vulnerable people such as elderly, children, people exposed to direct sunlight etc.	As given in the attachment

LOCAL FORECAST FOR CHENNAI CITY AND NEIGHBOURHOOD:

For next 24 HRS: Sky condition is likely to be partly cloudy. Light/Moderate rain with isolated thunderstorm & lightning is likely to occur in some areas. Maximum temperature is likely to be 36-37 °C and minimum temperature is likely to be around 27 °C.

For next 48 HRS: Sky condition is likely to be partly cloudy. Light/Moderate rain with isolated thunderstorm & lightning is likely to occur in some areas. Maximum temperature is likely to be 36-37 °C and minimum temperature is likely to be around 27 °C.

Impact due to high maximum temperatures:

High maximum temperatures, coupled with high humidity may cause fatigue and discomfort due to heat stress to vulnerable people - elderly, children & people exposed to direct sunlight.

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

OBSERVATIONS RECORDED AT 0830 HRS IST OF DATE:22-04-2023 (2 Vaisakha 1945 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 1-3-2023	Departure from normal	Year's total from 1-1-2023	Annual normal	
	°C	°C	°C	°C	%	%	mm	mm	mm	cm		
Adiramapattinam	35.3	0.9	28.2	1.5	74	-1	0	25.8	-33.1	15	124	
Chennai	37.1	2	28.9	1.6	75	1	0	52.7	39.5	6	140	
Chennai_AP	38.8	2.5	28.2	1.6	75	3	0	89.2	67.8	9	138	
Coimbatore_AP	37.1	0.8	25.5	1.5	80	4	0	27.2	-8.9	3	59	m*
Coonoor	26.0	1.5	15.4	-0.1	67	-6	0	160.2	-5.2	19	159	
Cuddalore	36.9	1.9	27.9	1.7	83	9	0	43.3	16.8	6	134	
Dharmapuri	38.2	1	24.0	-0.2	65	-2	0	56	2.7	6	91	
Erode	40.8	3.3	22.6	-0.6	61	-2	0	8.6	-	1	-	
Kanyakumari	33.9	0.9	26.4	0.1	65	-7	0	23.8	-42.5	3	75	
KarurParamathi	41.0	3.5	24.0	-1.2	65	-7	1.8	8.4	-28.9	2	59	r
Karaikal	35.4	0.9	28.2	1.6	75	-1	0	98.9	57.2	23	150	
Kodaikanal	21.6	0.5	13.0	0.7	92	24	0	160.5	7.2	21	158	
Madurai city	39.6	2.4	23.6	-1.4	74	2	19.4	49.4	-	6	-	
Madurai_AP	39.8	2.0	27.1	1.2	54	-14	0	42.1	-8.9	5	85	
Nagapattinam	38.3	4.0	28.4	1.8	71	-7	0	13.5	-30.2	15	143	
Namakkal	39.0	-	23.0	-	NA	-	0	5.4	-	1	-	
Palayamkottai	39.0	1.8	25.5	-0.6	69	-7	12	24.4	-57.3	6	73	r
Pamban	34.7	0.2	27.0	-0.5	76	2	0	35.2	-18.2	10	91	
Parangipettai	36.4	-	28.0	-	85	-	0	25	-11.9	9	139	
Puducherry	36.4	1.6	28.4	1.9	76	-1	0	10.7	-19.8	2	134	
Salem	39.3	1.4	24.2	-1.1	58	-12	0	31.9	-11.3	3	102	z*
Thanjavur	38.0	-	29.2	-	62	-	0	14	-12.8	6	95	
Thirupattur	39.6	1.9	25.1	0.5	83	12	0	41.6	11.2	4	95	
Tiruchirappalli_AP	40.1	2.0	27.0	0.5	69	-1	0	22.8	-9.7	5	87	z*
Tiruthani	39.8	1.4	26.4	1.0	52	-19	0	72	48.1	7	101	
Tondi	34.4	0.3	29.0	1.8	78	2	0	62.9	-3.4	11	88	
Thoothukudi	34.6	0.9	NA	-	NA	-	NA	-	-	-	-	
Uthagamandalam	20.9	-2.5	10.0	-1.7	72	4	1.0	63	-16.9	7	116	r
Valparai	26.5	-1.6	16.0	-0.7	95	6	35.8	301	182.9	33	--	r
Vellore	40.3	1.4	24.7	-0.5	66	-7	5.4	54	23.8	5	103	r

*Weather at 0830 hours IST. Other remarks refer to preceding 24 hours. NA-Not avble D-Duststorm I-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.

GOVERNMENT OF INDIA, MINISTRY OF EARTH SCIENCES

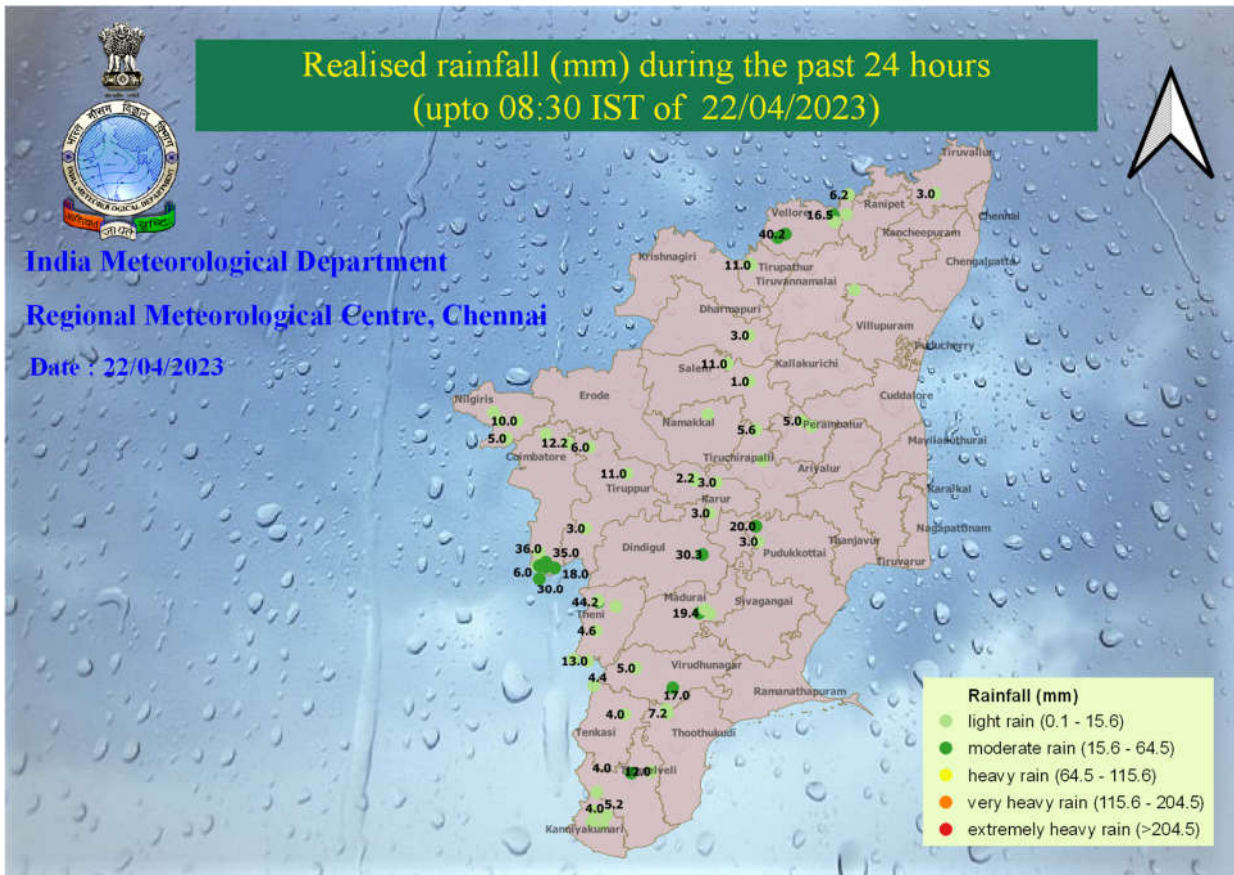
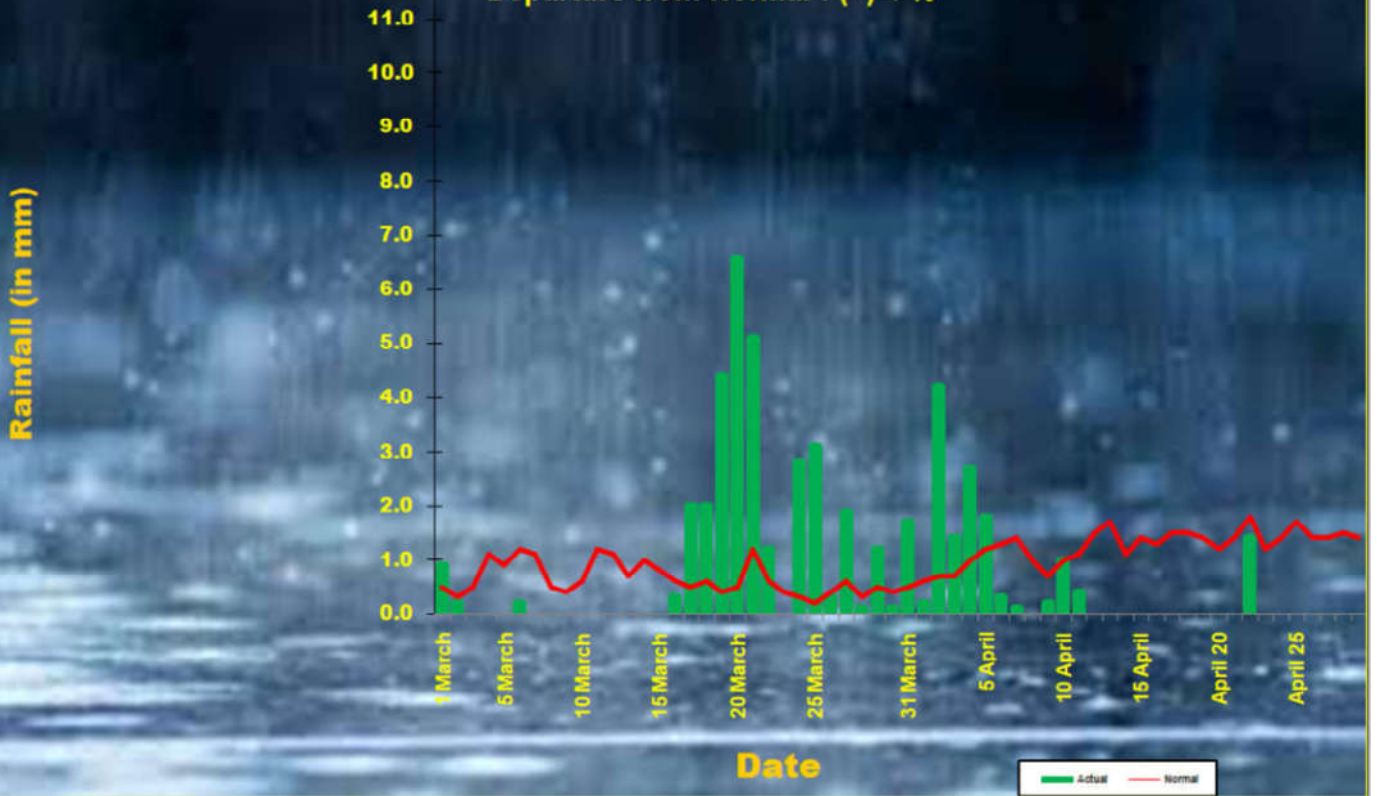
INDIA METEOROLOGICAL DEPARTMENT

REGIONAL METEOROLOGICAL CENTRE, CHENNAI

Districtwise daily / seasonal rainfall distribution for Tamil Nadu & Puducherry

PRE-MONSOON RAINFALL 2022		22.04.2023			From 01.03.2023 to 22.04.2023		
CODE	NAME	ACTUAL in mm	NORMAL in mm	PDN*	ACTUAL in mm	NORMAL in mm	PDN*
	STATES						
31	TAMIL NADU	1.4	1.7	-17	47.9	46.3	4
	MET. SUBDIVISIONS						
31	TAMIL NADU & PUDUCHERRY						
534	ARIYALUR	0.0	1.1	-100	34.2	24.6	39
687	CHENGALPATTU	0.0	1.0	-100	22.9	16.2	41
461	CHENNAI	0.0	0.6	-100	58.5	13.0	350
462	COIMBATORE	12.7	3.1	310	118.7	61.9	92
463	CUDDALORE	0.0	1.0	-100	58.2	30.2	93
464	DHARMAPURI	1.8	3.5	-50	92.7	46.8	98
465	DINDIGUL	0.0	2.3	-100	81.1	65.3	24
466	ERODE	0.0	1.9	-100	43.0	50.3	-15
688	KALLAKURICHI	0.0	2.1	-100	31.4	23.2	35
467	KANCHEEPURAM	0.0	1.6	-100	13.7	15.9	-14
468	KANYAKUMARI	0.7	3.6	-79	72.6	115.9	-37
636	KARAIKAL	0.0	0.6	-100	98.9	41.7	137
469	KARUR	3.4	1.7	98	18.2	34.3	-47
470	KRISHNAGIRI	0.0	2.5	-100	47.0	39.2	20
471	MADURAI	1.5	1.9	-19	36.3	56.3	-35
695	MAYILADUTHURAI	0.0	0.9	-100	34.9	35.3	-1
472	NAGAPATTINAM	0.0	0.9	-100	50.7	43.3	17
473	NAMAKKAL	0.8	1.3	-38	20.0	38.6	-48
474	NILGIRIS	0.8	2.9	-74	71.8	86.5	-17
475	PERAMBALUR	1.3	0.9	41	41.6	22.1	88
476	PUDUCHERRY	0.0	0.5	-100	10.7	30.5	-65
477	PUDUKKOTTAI	0.9	1.1	-21	14.9	32.0	-54
478	RAMANATHAPURAM	0.0	0.8	-100	31.4	58.1	-46
689	RANIPET	0.0	2.0	-100	49.5	22.7	118
479	SALEM	0.1	1.7	-96	51.5	47.0	10
480	SIVAGANGA	0.0	0.9	-100	27.0	51.5	-48
690	TENKASI	0.8	2.3	-65	125.1	107.5	16
481	THANJAVUR	0.0	1.6	-100	29.9	36.4	-18
482	THENI	5.7	2.9	95	72.3	80.0	-10
483	TIRUNELVELI	4.3	0.8	431	34.6	81.0	-57
691	TIRUPATTUR	9.3	1.7	447	54.0	27.9	93
535	TIRUPPUR	1.4	2.5	-43	37.9	38.6	-2
484	TIRUVALLUR	0.1	0.8	-84	67.3	18.6	262
485	TIRUVANNAMALAI	0.3	1.7	-80	51.0	25.8	98
486	TIRUVARUR	0.0	1.4	-100	34.4	40.0	-14
488	TOOTHUKUDI	0.4	1.0	-62	18.4	66.3	-72
487	TRICHY	0.4	1.7	-77	17.1	31.1	-45
489	VELLORE	5.0	1.3	286	60.2	28.5	111
490	VILLUPURAM	0.0	1.9	-100	23.9	16.7	43
491	VIRUDHUNAGAR	2.4	1.1	118	53.8	68.3	-21
	SUBDIVISION RAINFALL	1.4	1.8	-22	47.9	46.3	4
LEGEND	PDN*	Percentage Departure from Normal					
	**	Rainfall for the 24 hrs ending at 0630 hrs of date					

Premonsoon Rainfall 2023 for Tamilnadu and Puducherry
 From 01.03.2023 to 22.04.2023 Actual: 47.9 (mm) Normal: 46.3 (mm)
 Departure from Normal : (+) 4 %

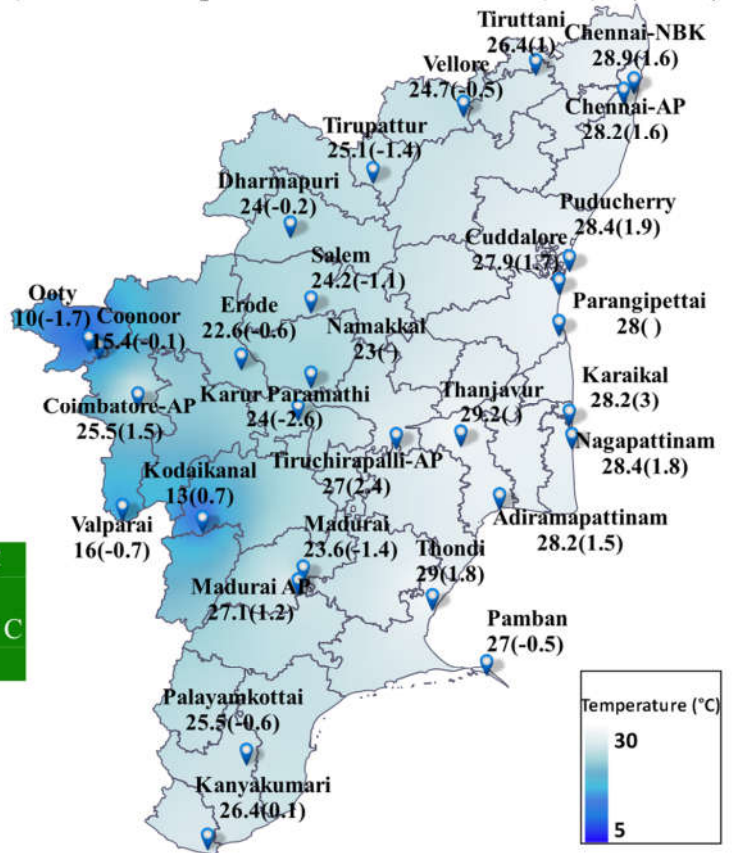




Realised Minimum Temperature (°C) in the past 24 Hrs
(upto 0830 IST of 22/04/2023) and its departure from normal(°C)

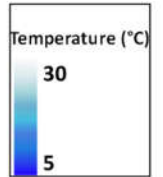


India Meteorological Department
Regional Meteorological Centre, Chennai
Date : 22/04/2023



The lowest temperature recorded in the plains : 22.6° C
Place : Erode
The lowest temperature recorded in the hilly region : 10° C
Place : Ooty

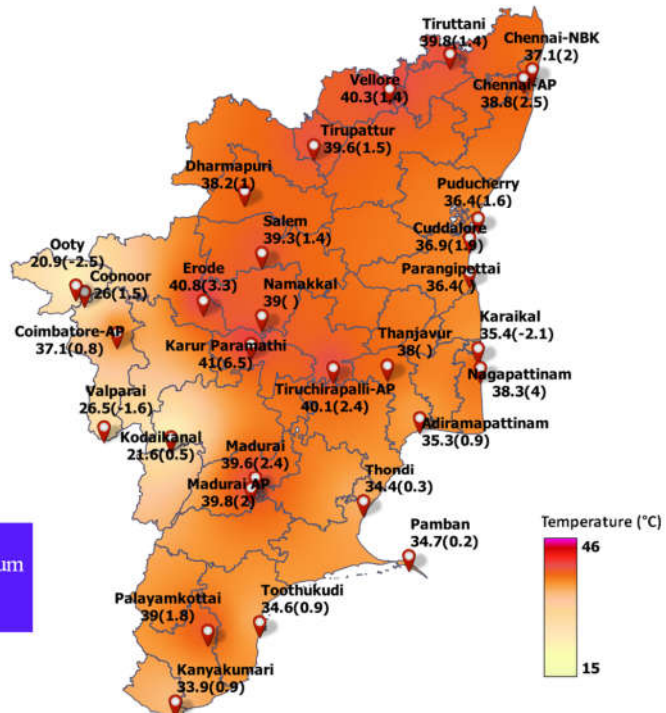
N.B. The departure from normal minimum temperature is given in brackets.



Realised Maximum Temperature (°C) in the past 24 Hrs
(upto 0830 IST of 22/04/2023) and its departure from normal(°C)

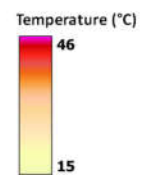


India Meteorological Department
Regional Meteorological Centre, Chennai
Date: 22/04/2023



The highest temperature recorded : 41°C
Place : Karur Paramathi

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



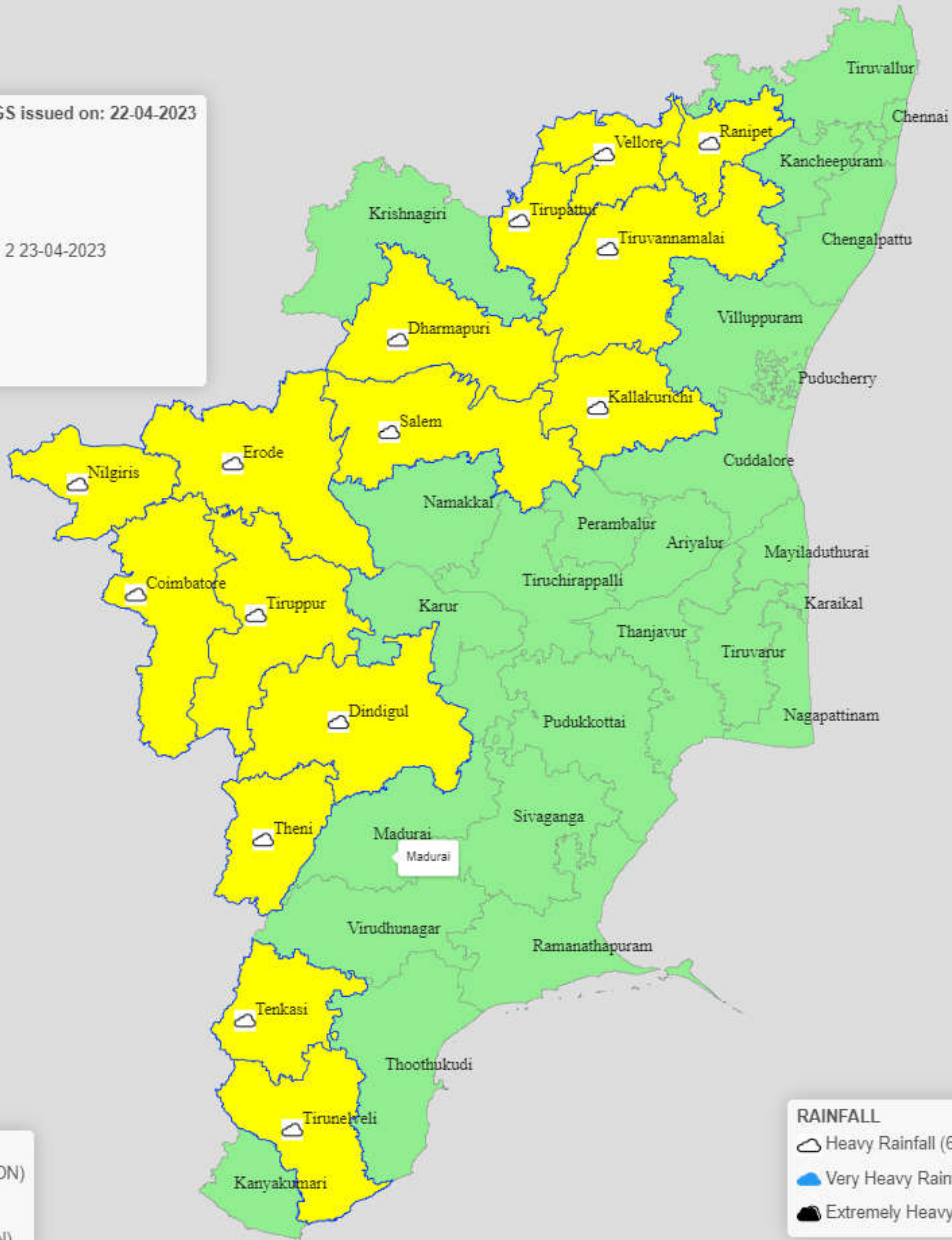
+

-

HEAVY RAINFALL WARNINGS issued on: 22-04-2023



FOR DAY: 2 23-04-2023



WARNINGS

- NO WARNING (NO ACTION)
- WATCH (BE UPDATED)
- ALERT (BE PREPARED)
- WARNING (TAKE ACTION)

RAINFALL

- Heavy Rainfall (64.5 to 115.5) mm
- Very Heavy Rainfall (115.6 to 204.4) mm
- Extremely Heavy Rainfall > 204.4 mm

ADVISE FOR MINIMISING IMPACTS DUE TO HEAT STRESS

(<https://www.ndma.gov.in/Natural-Hazards/Heat-Wave/Do's-Dont's>)

- Avoid going out in the sun, especially between 12.00 noon and 3.00 p.m.
- Drink sufficient water and as often as possible, even if not thirsty
- Wear lightweight, light-coloured, loose, and porous cotton clothes. Use protective goggles, umbrella/hat, shoes or chappals while going out in sun.
- Avoid strenuous activities when the outside temperature is high. Avoid working outside between 12 noon and 3 p.m.
- While travelling, carry water with you.
- If you work outside, use a hat or an umbrella and also use a damp cloth on your head, neck, face and limbs.
- Do not leave children or pets in parked vehicles.
- If you feel faint or ill, see a doctor immediately.
- Use ORS, homemade drinks like lassi, torani (rice water), lemon water, buttermilk, etc. which helps to re-hydrate the body.
- Keep animals in shade and give them plenty of water to drink.
- Keep your home cool, use curtains, shutters or sunshade and open windows at night.
- Use fans, damp clothing and take bath in cold water frequently.

TIPS FOR TREATMENT OF A PERSON AFFECTED BY A SUNSTROKE

- Lay the person in a cool place, under a shade. Wipe her/him with a wet cloth/wash the body frequently. Pour normal temperature water on the head. The main thing is to bring down the body temperature.
- Give the person ORS to drink or lemon sarbat/torani or whatever is useful to rehydrate the body.
- Take the person immediately to the nearest health centre. The patient needs immediate hospitalisation, as heat strokes could be fatal.

ACCLIMATISATION

People at risk are those who have come from a cooler climate to a hot climate. You may have such a person(s) visiting your family during the heat wave season. They should not move about in open field for a period of one week till the body is acclimatized to heat and should drink plenty of water. Acclimatization is achieved by gradual exposure to the hot environment during heat wave.

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, 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