

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: Friday, April 28, 2023 (8 Vaisakha 1945)

Time of issue: 1200 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 isolated places over Tamilnadu, Puducherry and Karaikal area.

CHIEF AMOUNT OF RAINFALL IN CENTIMETERS: Kodaikannal Boat Club (dist Dindigul) 11, Kodaikanal (dist Dindigul) 8, Echanviduthi (dist Thanjavur) 5, Sothuparai (dist Theni) 4, Manjalar (dist Theni), Kayathar (dist Toothukudi), Kayathar ARG (dist Toothukudi), Perambalur (dist Perambalur), Kadambur (dist Toothukudi), Ramanadhi Dam Section (dist Tenkasi), Manjulai (dist Tirunelveli) 3 each, Adayamadai (dist Kanyakumari), Karuppanadhi Dam Section (dist Tenkasi), Karaikal (dist Karaikal), Shencottah (dist Tenkasi), Mettupatti (dist Madurai), Kallikudi (dist Madurai), Manimutharu (dist Tirunelveli), Ayikudi (dist Tenkasi), Maniyachi (dist Toothukudi), Billimalai Estate (dist Nilgiris), Kallandri (dist Madurai), Illayangudi (dist Sivaganga) 2 each, Sivagiri (dist Tenkasi), Oothu (dist Tirunelveli), Kannadian Anaicut (dist Tirunelveli), Periyapatti (dist Madurai), Ambasamudram (dist Tirunelveli), Vettikadu (dist Thanjavur), Periyakulam AWS (dist Theni), Polur (dist Tiruvannamalai), Nagapattinam (dist Nagapattinam), Thenkasi (dist Tenkasi), Sankarankoil (dist Tenkasi), Madurai Airport (dist Madurai), Sholayar (dist Coimbatore), Nanguneri (dist Tirunelveli), Thaniamangalam (dist Madurai), Kodumudiyaru Dam (dist Tirunelveli), Mullanginavillai (dist Kanyakumari), Nalumukku (dist Tirunelveli), Kozhiporvillai (dist Kanyakumari), Periyakulam PTO (dist Theni) 1 each.

DESCRIPTION OF TEMPERATURE:

Erode recorded the highest maximum temperature of **38.8 °C** over the subdivision.

MAXIMUM TEMPERATURE (24 HOURS CHANGE):

Markedly rise (4.1° C or more)	-----
Appreciably rise (2.1° C to 4.0°)	Over Coimbatore district and Karaikal;
Appreciable fall (-2.1 ° C to -4.0°)	Over Madurai 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)	-----
Appreciably above Normal (3.1 °C to 5.0 °C)	-----
Above normal (1.6° C to 3.0° C)	Over Ramanathapuram district;

Below normal (-1.6 ° to -3.0 ° C)	Over The Nilgiris, Madurai, Dindigul and Vellore districts;
Appreciably below normal (-3.1 to -5.0°C)	Over Tiruvallur and Madurai districts;
Markedly below normal (-5.1 or less)	-----
Normal (-1.5° C to 1.5° C)	Over the rest of the subdivision.

Synoptic Meteorological feature:

Yesterday's trough/wind discontinuity from west Vidarbha to north Tamilnadu now seen as a trough from Maldives area to Madhya Maharashtra across Southeast Arabian Sea & Coastal Karnataka at 0.9 km above mean sea level.

FORECAST & WARNINGS FOR TAMILNADU AND PUDUCHERRY FOR NEXT FIVE DAYS

Day 1 (28-04-2023)	Light to moderate rain with thunderstorm and lightning with gusty winds, speed reaching upto 30-40 Kmph, is likely to occur at isolated places over Tamilnadu, Puducherry and Karaikal area. Heavy rain is likely to occur at isolated places over Nilgiris, Coimbatore and Dindigul districts of Tamilnadu.
Day 2 (29-04-2023)	Light to moderate rain at a few places with thunderstorm and lightning with gusty winds, speed reaching upto 30-40 Kmph at isolated places is likely to occur over Tamilnadu, Puducherry and Karaikal area. Heavy rain is likely to occur at isolated places over Nilgiris, Erode, Coimbatore, Dindigul, Theni, Tenkasi and Tirunelveli districts of Tamilnadu.
Day 3 (30-04-2023)	Light to moderate rain at many 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, Erode, Coimbatore, Dindigul, Theni, Tenkasi and Tirunelveli districts of Tamilnadu.
Day 4 (01-05-2023)	Light to moderate rain at most 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, Erode, Coimbatore, Tiruppur, Dindigul, Theni, Virudhunagar, Madurai, Tenkasi, Tirunelveli, Kanyakumari, Salem, Dharmapuri, Namakkal and Karur districts of Tamilnadu.
Day 5 (02-05-2023)	Light to moderate rain at most 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, Dindigul, Theni, Virudhunagar and Tenkasi districts of Tamilnadu.

HEAVY RAINFALL WARNING

Day 1(28.04.2023)	Heavy rain is likely to occur at isolated places over Nilgiris, Coimbatore and Dindigul districts of Tamilnadu.
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Day 2(29.04.2023)	Heavy rain is likely to occur at isolated places over Nilgiris, Erode, Coimbatore, Dindigul, Theni, Tenkasi and Tirunelveli districts of Tamilnadu.
Day 3(30.04.2023)	Heavy rain is likely to occur at isolated places over Nilgiris, Erode, Coimbatore, Dindigul, Theni, Tenkasi and Tirunelveli districts of Tamilnadu.
Day 4(01.05.2023)	Heavy rain is likely to occur at isolated places over Nilgiris, Erode, Coimbatore, Tiruppur, Dindigul, Theni, Virudhunagar, Madurai, Tenkasi, Tirunelveli, Kanyakumari, Salem, Dharmapuri, Namakkal and Karur districts of Tamilnadu.
Day 5(02.05.2023)	Heavy rain is likely to occur at isolated places over Nilgiris, Coimbatore, Tiruppur, Dindigul, Theni, Virudhunagar and Tenkasi districts of Tamilnadu.

THUNDERSTORM WARNING

Day 1(28.04.2023) & Day 2(29.04.2023)	Thunderstorm, lightning and gusty wind speed with reaching upto 30-40 kmph is likely to occur at isolated places over Tamilnadu.
Day 3(30.04.2023) to Day 5(02.05.2023)	Thunderstorm & lightning is likely to occur at isolated places over Tamilnadu.

LOCAL FORECAST FOR CHENNAI CITY AND NEIGHBOURHOOD:

For next 24 HRS: Sky condition is likely to be partly cloudy. Thunderstorm & lightning with light/moderate rain is likely to occur in some areas. Maximum temperature is likely to be around 36-37 °C and minimum temperature is likely to be around 27-28 °C.

For next 48 HRS: Sky condition is likely to be partly cloudy. Thunderstorm & lightning with light/moderate rain is likely to occur in some areas. Maximum temperature is likely to be around 36-37 °C and minimum temperature is likely to be around 27-28 °C.

P. SENTHAMARAI KANNAN
SCIENTIST 'E'

For Deputy Director General of Meteorology
Regional Meteorological Centre, Chennai

OBSERVATIONS RECORDED AT 0830 HRS IST OF DATE:28-04-2023 (8 Vaisakha 1945 SAKA)

Stations	Temperature Degrees Celsius				Humidity percentage		Rainfall					Weather remarks
	Maximum		Minimum		At 0830 Hrs IST	Dep. from normal	Millimetres			Centimetres		
	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	1-3-2023	mm	1-1-2023	cm	
Adiramapattinam	34.4	-0.2	26.0	-1.3	78	3	0	89.4	19.2	21	124	
Chennai	34.6	-1	28.0	0.4	76	3	0	54.2	38.4	6	140	
Chennai_AP	35.8	-0.9	27.1	0	74	3	0	94.0	69.2	10	138	
Coimbatore_AP	35.7	-0.5	25.6	1.2	71	-4	0	29.5	-13.8	3	59	z*
Coonoor	22.8	-1.7	15.2	-0.5	93	18	3.8	220.6	36.8	25	159	r
Cuddalore	34.7	-0.6	28.0	1.3	85	11	0	49.3	18.9	7	134	
Dharmapuri	36.2	-0.9	23.6	-0.8	75	7	0	58.0	-8.8	6	91	
Erode	38.8	0.4	22.8	-0.5	68	5	0	8.6	--	1	--	
Kanyakumari	34.6	1.4	26.3	-0.1	69	-6	tr	23.8	-48.7	3	75	
KarurParamathi	38.5	1.4	25.0	-0.4	63	-7	0	15.2	-27.7	3	59	
Karaikal	34.0	-1	27.0	-0.2	84	9	20.9	122.0	77.6	25	150	r
Kodaikanal	19.0	-2.2	10.4	-2.2	94	27	84.0	298.5	122.7	35	158	r
Madurai City	32.2	-5.0	24.0	-0.9	78	-6	1.8	129.4	--	14	--	
Madurai_AP	34.8	-2.9	26.1	-0.1	83	16	9.7	77.1	13	9	85	r
Nagapattinam	34.3	-0.4	26.6	-0.7	78	2	11.2	27.4	-21.3	17	143	r
Namakkal	37.0	--	22.0	--	--	--	0	8.4	--	1	--	
Palayamkottai	35.5	-1.2	24.8	-1.4	81	6	7.0	80.4	-8.9	12	73	r
Pamban	35.3	0.8	25.2	-2.6	78	3	0	69.8	7.9	13	91	
Parangipettai	35.0	--	27.5	--	84	--	0	32.2	-5.9	10	139	
Puducherry	34.4	-0.8	26.4	-0.6	92	15	4.4	42.4	8.4	5	134	r
Salem	38.1	0.4	23.9	-1.7	72	2	0	37.4	-20.8	4	102	z*
Thanjavur	36.0	--	27.6	--	72	--	0	24.0	-7.7	7	95	
Thirupattur	36.4	-1.4	25.2	0.4	87	15	0	58.6	16.4	6	95	
Tiruchirappalli_AP	37.1	-1.1	27.0	0.1	77	8	0	25.0	-14.3	6	87	m*
Tiruthani	35.8	-3.1	25.5	-0.1	68	2	0	100.2	71	10	101	
Tondi	36.4	2.2	29.2	2	78	3	0	106.4	32.1	15	88	
Thoothukudi	33.5	-0.5	25.4	-0.8	76	-3	6.0	49.9	-32.1	7	63	r
Udagamandalam	22.0	-1.6	12.9	0.8	94	27	0	92.8	-5.2	10	116	
Valparai	26.5	1.1	15.5	-6.8	96	7	0.4	421.2	272.5	45	--	
Vellore	36.6	-2.2	26.3	0.8	80	8	0	73.3	33.4	7	103	z*

*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.

GOVERNMENT OF INDIA, MINISTRY OF EARTH SCIENCES

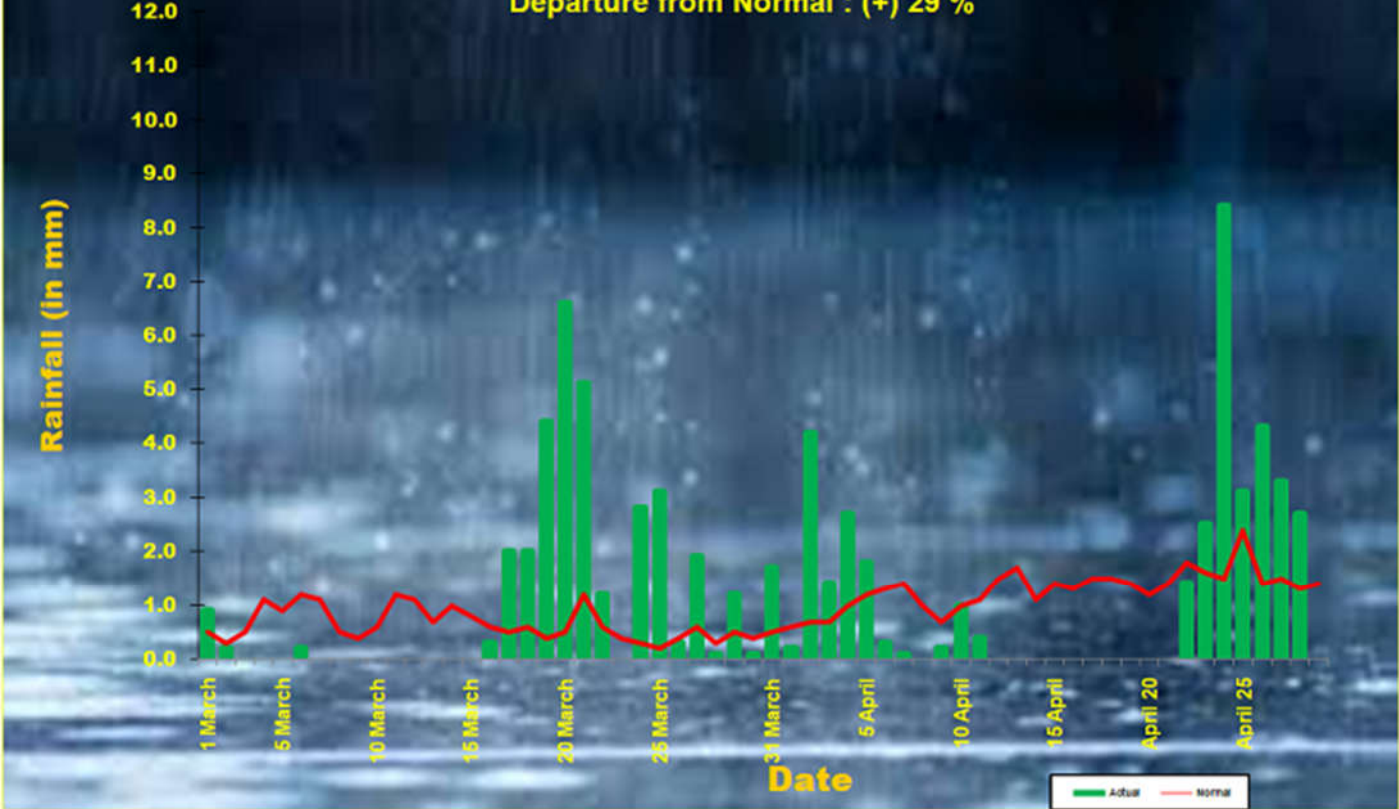
INDIA METEOROLOGICAL DEPARTMENT

REGIONAL METEOROLOGICAL CENTRE, CHENNAI

Districtwise daily / seasonal rainfall distribution for Tamil Nadu & Puducherry

PRE-MONSOON RAINFALL 2022		28.04.2023			From 01.03.2023 to 28.04.2023		
CODE	NAME	ACTUAL in mm	NORMAL in mm	PDN*	ACTUAL in mm	NORMAL in mm	PDN*
	STATES						
31	TAMIL NADU	2.7	1.3	106	72.2	56.1	29
	MET. SUBDIVISIONS						
31	TAMIL NADU & PUDUCHERRY						
534	ARIYALUR	0.0	0.5	-100	38.4	29.5	30
687	CHENGALPATTU	0.5	0.5	9	25.3	20.6	23
461	CHENNAI	0.0	0.2	-100	59.7	15.2	292
462	COIMBATORE	0.8	2.0	-60	186.4	75.9	146
463	CUDDALORE	0.0	0.2	-100	70.7	34.8	103
464	DHARMAPURI	0.0	1.6	-100	103.9	60.1	73
465	DINDIGUL	22.2	2.2	911	151.2	79.1	91
466	ERODE	0.0	1.9	-100	50.2	63.8	-21
688	KALLAKURICHI	0.0	0.5	-100	52.5	28.8	82
467	KANCHEEPURAM	0.0	0.2	-100	26.2	23.6	11
468	KANYAKUMARI	2.0	3.7	-47	109.0	138.1	-21
636	KARAIKAL	20.9	0.0	200	122.0	44.4	175
469	KARUR	0.0	1.7	-100	49.3	43.8	13
470	KRISHNAGIRI	0.0	1.9	-100	55.7	51.1	9
471	MADURAI	4.2	1.3	223	72.5	66.7	9
695	MAYILADUTHURAI	0.0	0.6	-100	45.2	39.9	13
472	NAGAPATTINAM	1.6	0.1	1500	80.7	48.1	68
473	NAMAKKAL	0.4	2.3	-82	32.4	52.9	-39
474	NILGIRIS	1.0	1.8	-43	112.1	101.4	11
475	PERAMBALUR	2.5	0.2	1127	53.5	32.3	65
476	PUDUCHERRY	4.4	0.0	200	42.4	34.0	25
477	PUDUKKOTTAI	0.0	1.0	-100	32.0	37.6	-15
478	RAMANATHAPURAM	1.1	1.4	-19	48.1	65.9	-27
689	RANIPET	0.0	0.1	-100	67.6	28.1	140
479	SALEM	0.0	2.9	-100	62.0	62.1	0
480	SIVAGANGA	3.4	1.3	164	48.7	59.7	-19
690	TENKASI	14.8	1.5	889	166.9	121.5	37
481	THANJAVUR	2.9	0.6	385	39.8	42.8	-7
482	THENI	7.2	2.5	187	123.0	97.6	26
483	TIRUNELVELI	8.9	1.2	640	72.6	88.6	-18
691	TIRUPATTUR	0.0	1.2	-100	61.7	37.3	66
535	TIRUPPUR	0.0	2.2	-100	54.0	51.1	6
484	TIRUVALLUR	0.0	0.6	-100	81.5	23.5	247
485	TIRUVANNAMALAI	1.0	0.7	43	83.3	32.2	159
486	TIRUVARUR	0.0	0.8	-100	42.0	47.5	-12
488	TOOTHUKUDI	5.6	0.9	524	42.7	73.0	-41
487	TRICHY	0.4	0.6	-33	36.6	37.5	-2
489	VELLORE	0.0	0.7	-100	73.1	36.3	101
490	VILLUPURAM	0.0	0.4	-100	33.5	23.5	43
491	VRUDHUNAGAR	2.6	1.6	65	98.7	79.5	24
	SUBDIVISION RAINFALL	2.7	1.3	108	72.2	56.0	29
LEGEND	PDN*	Percentage Departure from Normal					
	**	Rainfall for the 24 hrs ending at 0830 hrs of date					

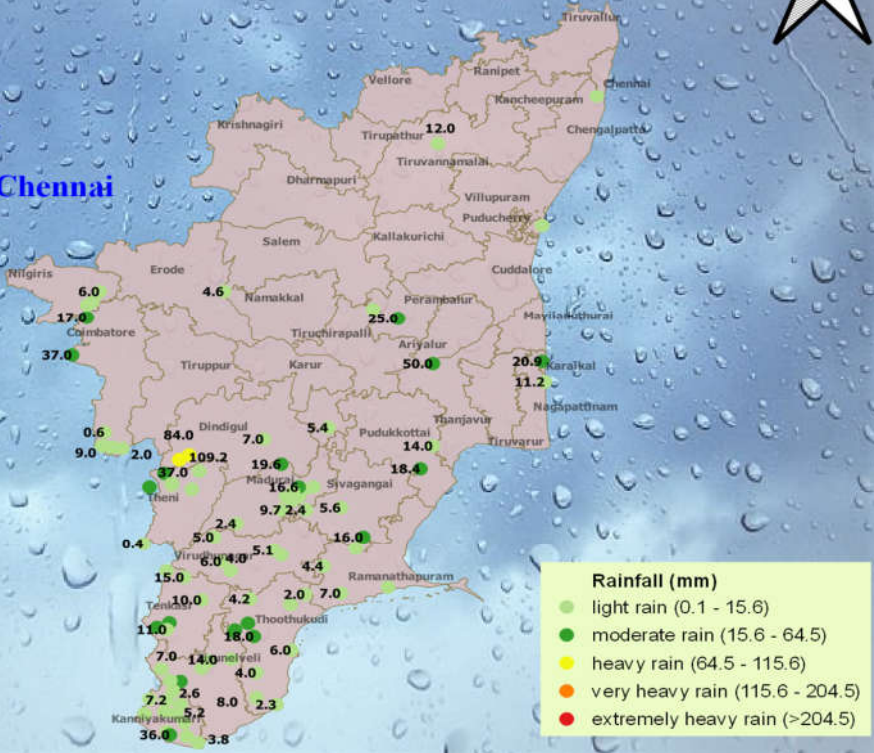
Premonsoon Rainfall 2023 for Tamilnadu and Puducherry
 From 01.03.2023 to 28.04.2023 Actual: 72.2 (mm) Normal: 56.0 (mm)
 Departure from Normal : (+) 29 %



Realised rainfall (mm) during the past 24 hours
 (upto 08:30 IST of 28/04/2023)



India Meteorological Department
Regional Meteorological Centre, Chennai
 Date : 28/04/2023

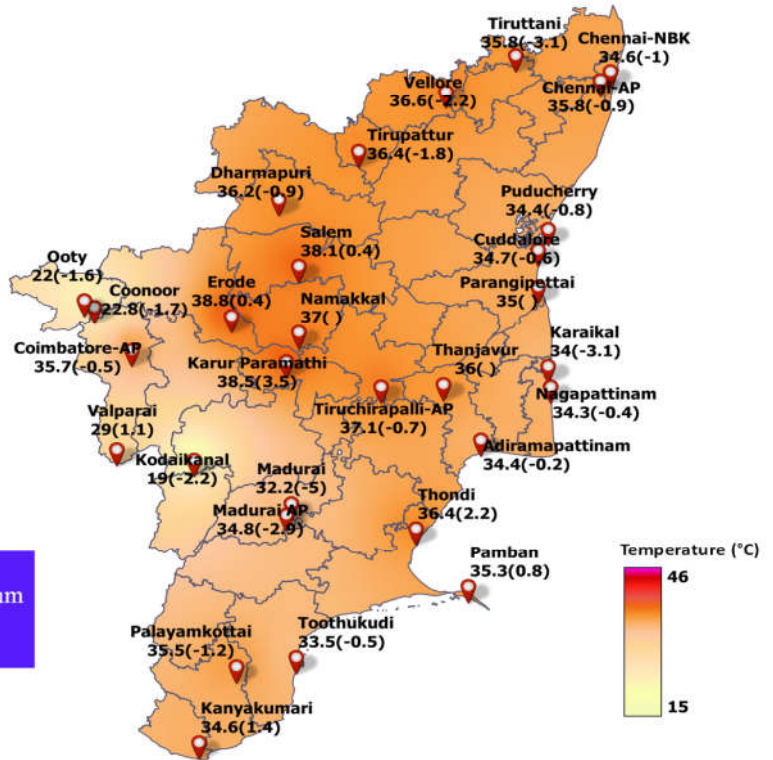




Realised Maximum Temperature (°C) in the past 24 Hrs
(upto 0830 IST of 28/04/2023) and its departure from normal(°C)



India Meteorological Department
Regional Meteorological Centre, Chennai
Date: 28/04/2023



The highest temperature recorded : 38.8°C
Place : Erode

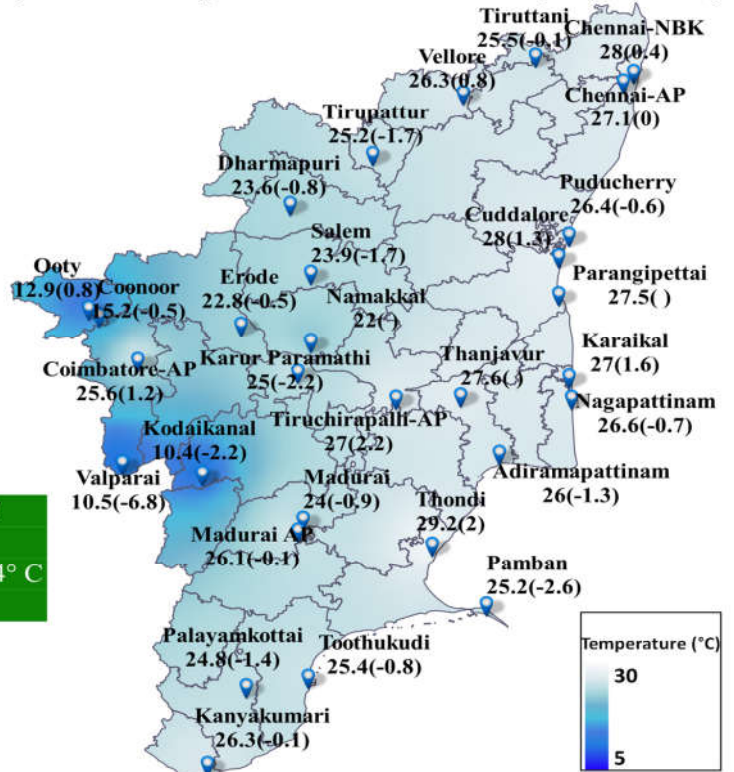
N.B. The departure from normal maximum temperature is given in brackets.



Realised Minimum Temperature (°C) in the past 24 Hrs
(upto 0830 IST of 28/04/2023) and its departure from normal(°C)



India Meteorological Department
Regional Meteorological Centre, Chennai
Date : 28/04/2023



The lowest temperature recorded in the plains : 22° C
Place : Namakkal
The lowest temperature recorded in the hilly region : 10.4° C
Place : Kodaikanal

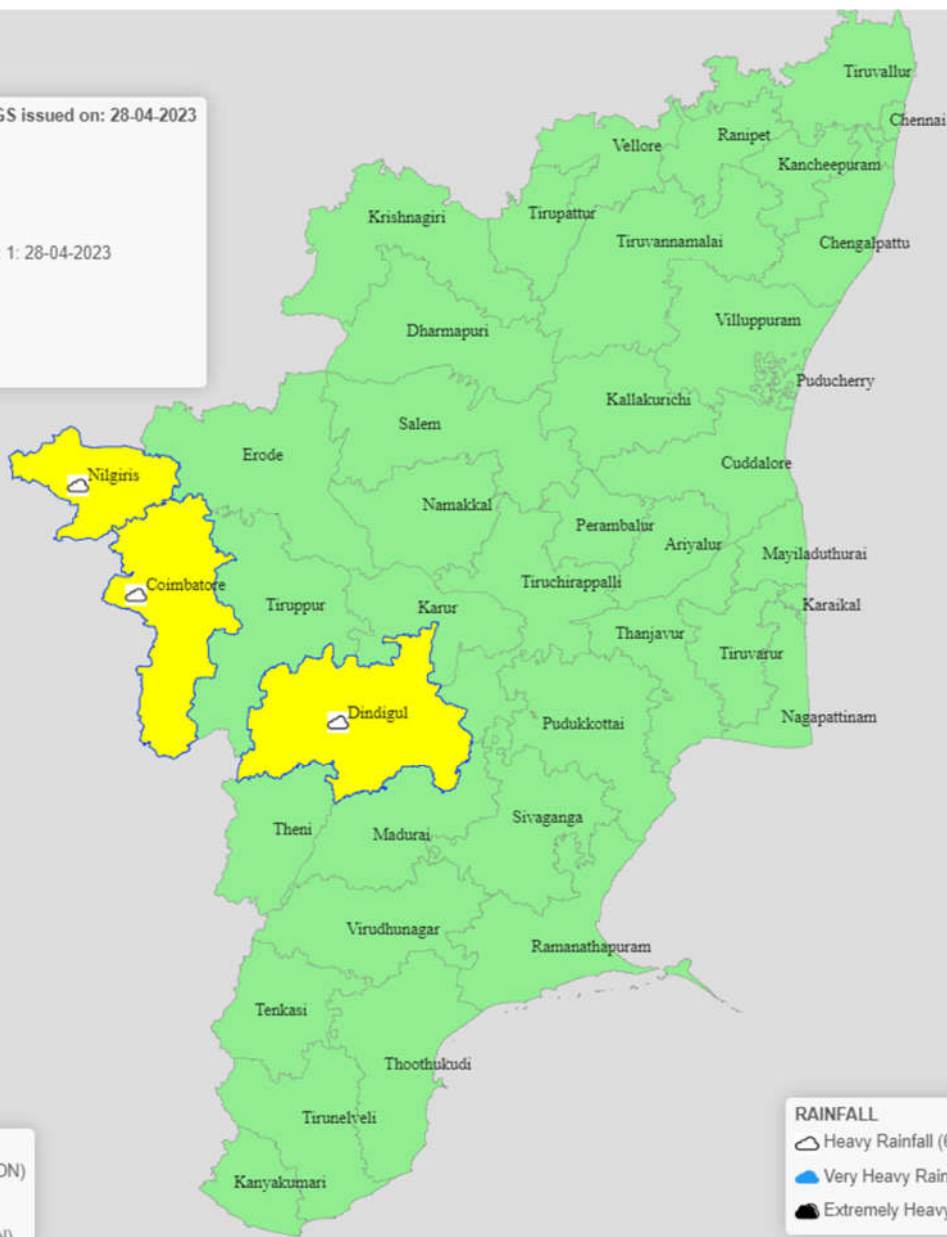
N.B. The departure from normal minimum temperature is given in brackets.



HEAVY RAINFALL WARNINGS issued on: 28-04-2023



FOR DAY: 1: 28-04-2023



WARNINGS

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

RAINFALL

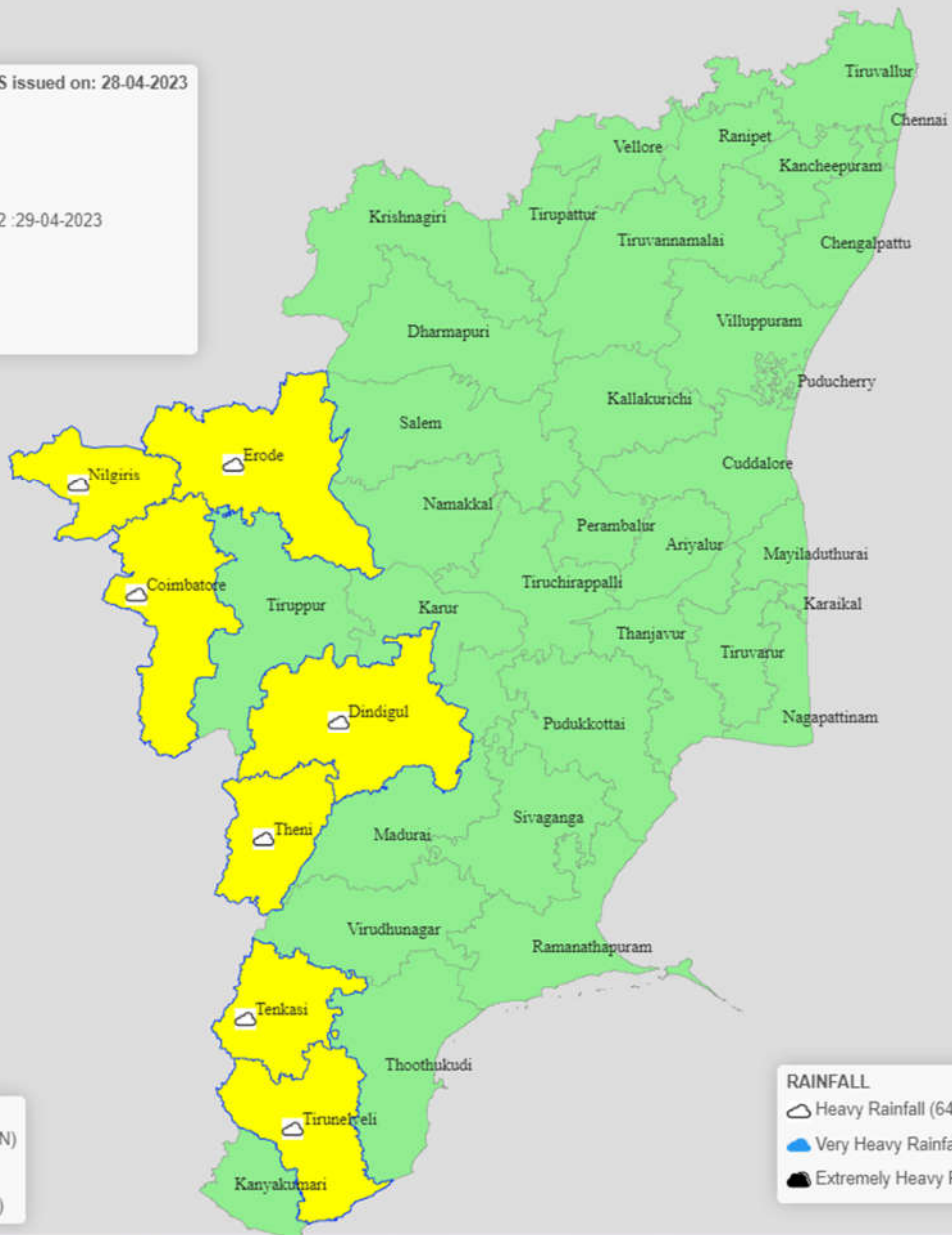
- Heavy Rainfall (64.5 to 115.5) mm
- Very Heavy Rainfall (115.6 to 204.4) mm
- Extremely Heavy Rainfall > 204.4 mm



HEAVY RAINFALL WARNINGS issued on: 28-04-2023



FOR DAY: 2 :29-04-2023



WARNINGS

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

RAINFALL

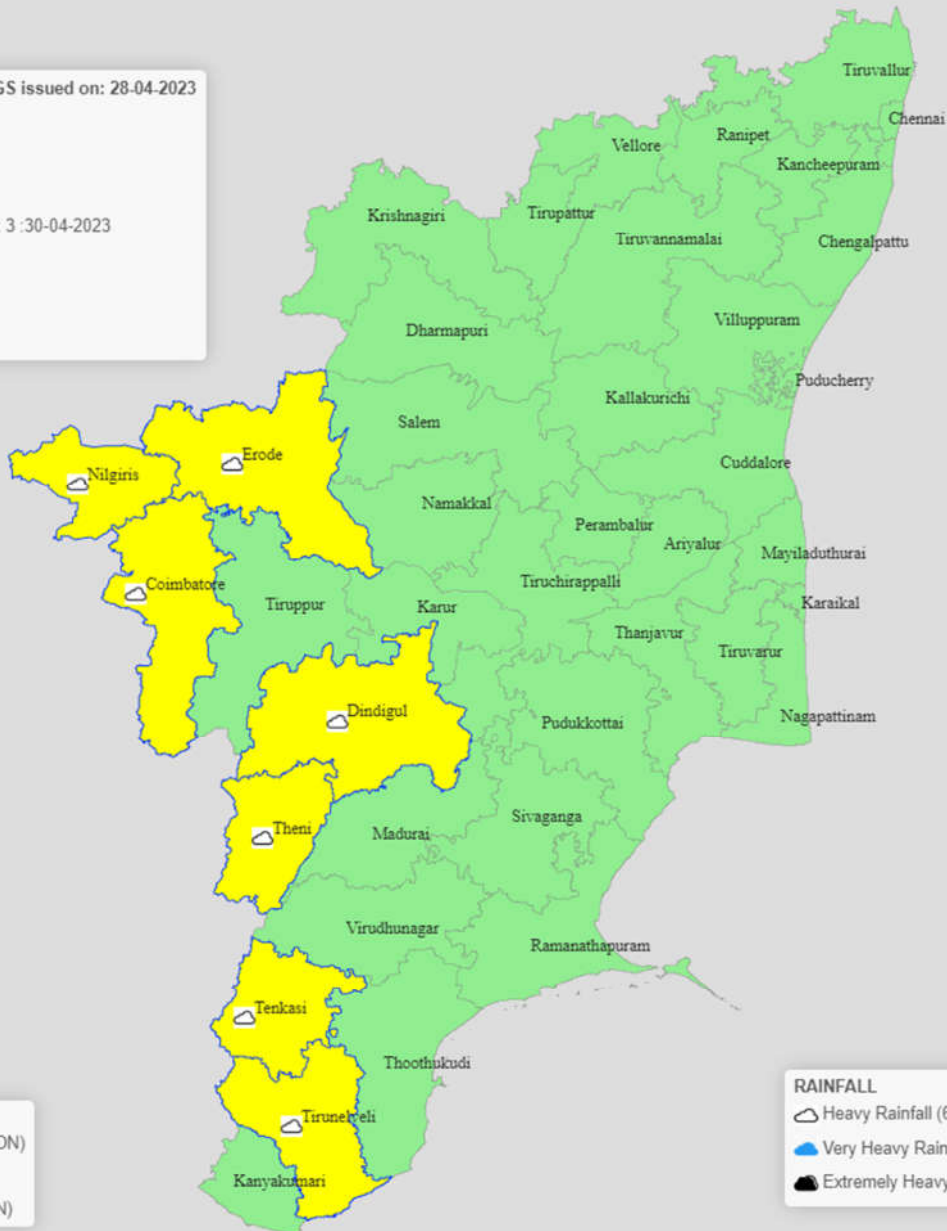
- Heavy Rainfall (64.5 to 115.5) mm
- Very Heavy Rainfall (115.6 to 204.4) mm
- Extremely Heavy Rainfall > 204.4 mm



HEAVY RAINFALL WARNINGS issued on: 28-04-2023



FOR DAY: 3 :30-04-2023



WARNINGS

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

RAINFALL

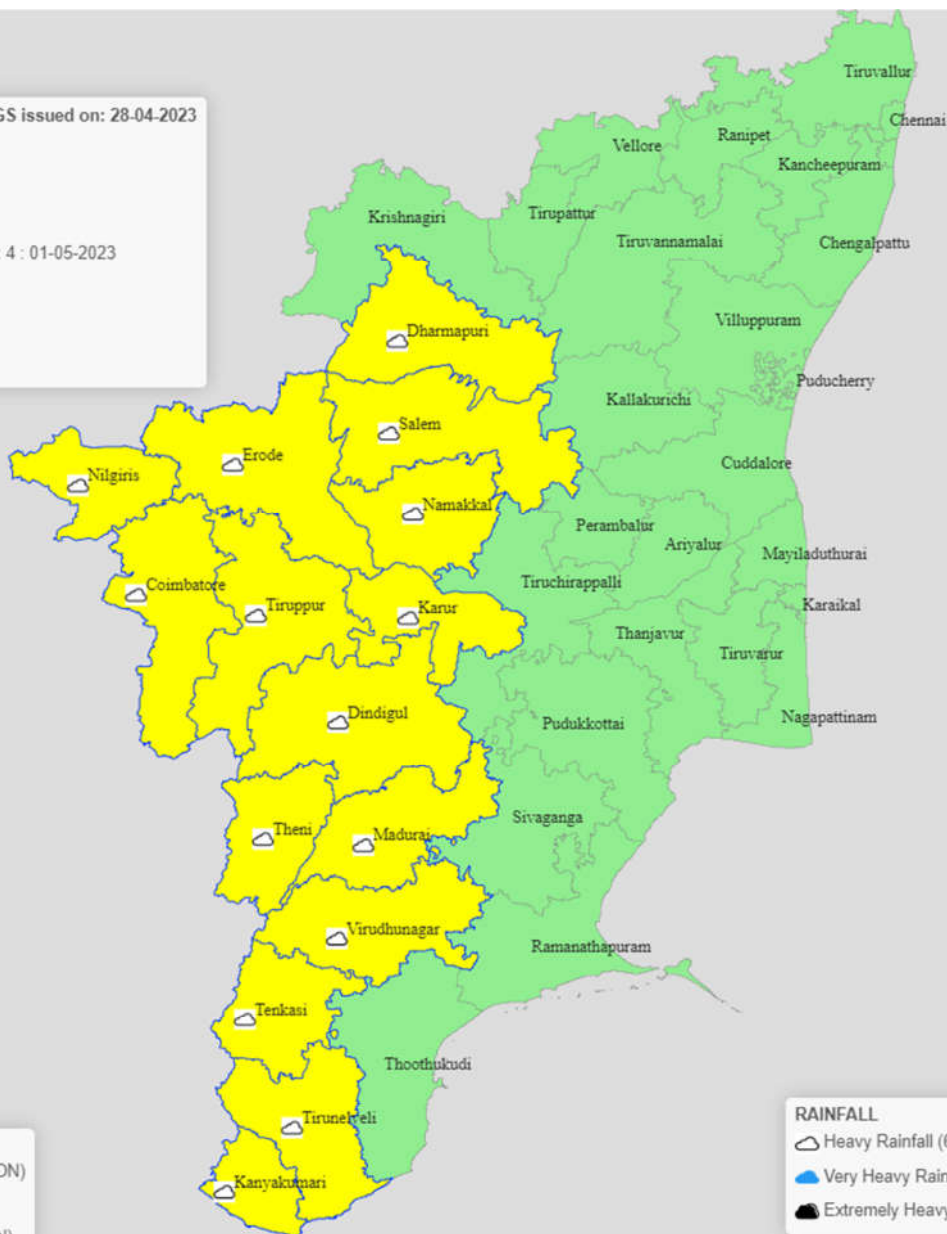
- ☁ Heavy Rainfall (64.5 to 115.5) mm
- ☁ Very Heavy Rainfall (115.6 to 204.4) mm
- ☁ Extremely Heavy Rainfall > 204.4 mm



HEAVY RAINFALL WARNINGS issued on: 28-04-2023



FOR DAY: 4 : 01-05-2023

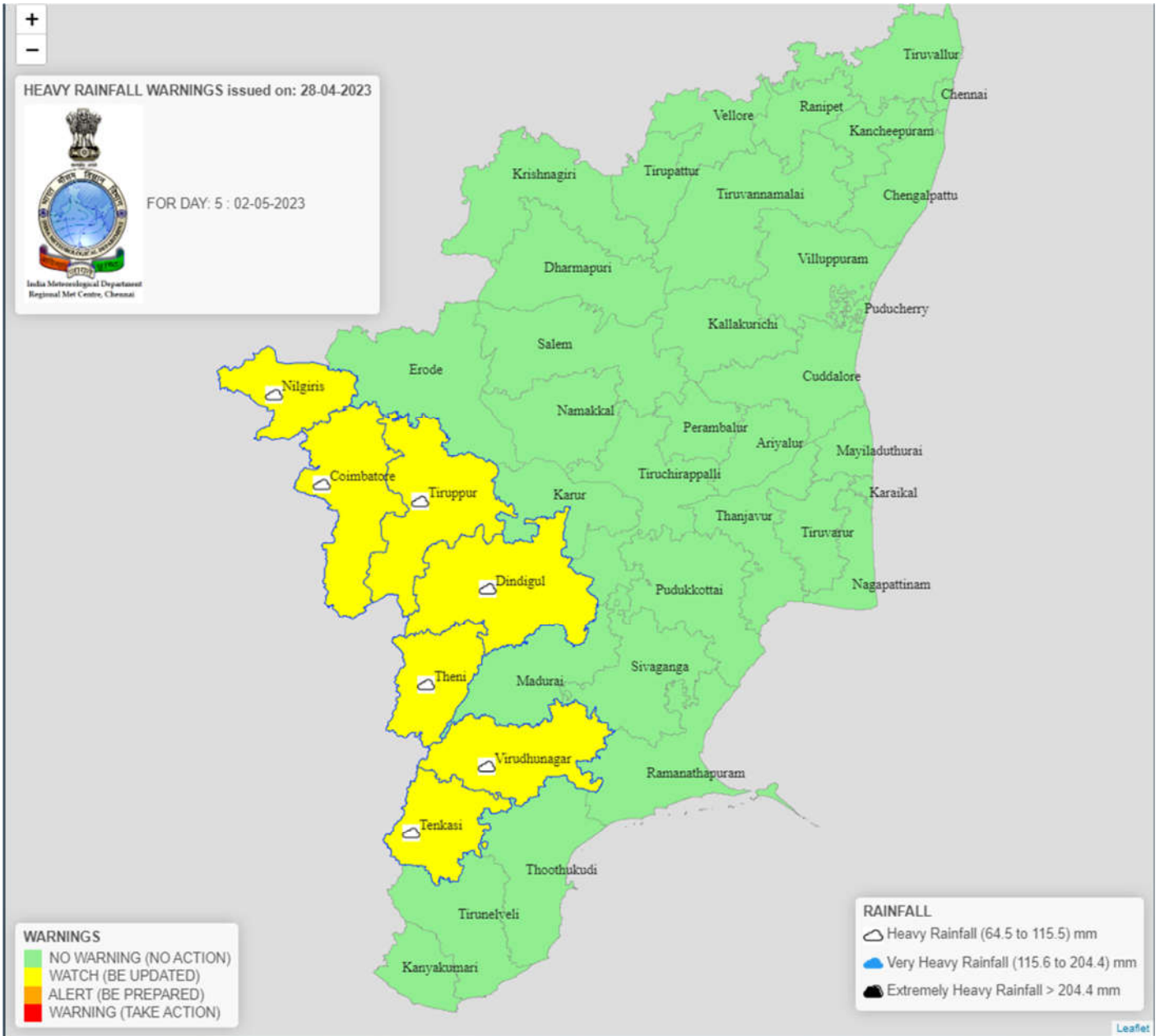


WARNINGS

- 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



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, Tiruchirappalli, 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, Tiruchirappalli, 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