



இந்திய அரசு
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மண்டல வானிலை ஆய்வு மையம்
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GOVERNMENT OF INDIA
INDIA METEOROLOGICAL DEPARTMENT
Regional Meteorological Centre
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DATE: Tuesday, April 23, 2024 (3 Vaisakha 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 one or two places over Tamilnadu. Dry weather prevailed over Puducherry and Karaikal area.

CHIEF AMOUNT OF RAINFALL IN CENTIMETERS:

Sholayar (dist Coimbatore) 2, Singampunari (dist Sivagangai) 1.

DESCRIPTION OF TEMPERATURE:

During the 24-hr ending 08:30 IST of today (**23.04.2024**), the maximum temperatures over Tamilnadu were generally **above normal by 2-4°C** over many pockets in the plains of interior Tamilnadu. They were appreciably above normal at isolated pockets over north interior Tamilnadu (Erode & Dharmapuri districts)

Heat wave conditions prevailed over **Erode districts** of north interior Tamilnadu.

Highest maximum temperature was recorded at **Erode : 43.0°C (+5.5°C)** followed by **Salem: 41.6°C (+3.7°C)**, **Vellore: 41.5°C (+2.6°C)**, **Dharmapuri: 41.2°C (+4.0°C)** & **Karur Paramathi: 41.2°C (+3.7°C)**, **Thirupathur: 40.8°C (+3.1°C)** & **Tiruthani: 40.8°C (+2.4°C)**, **Madurai AP: 40.7°C (+2.9°C)**, **Thiruchirapalli: 40.3°C (+2.2°C)**, **Madurai City: 40.2°C (+3.0°C)**, **Coimbatore AP : 40°C (+3.7°C)** and **Namakkal: 40.0°C**.

Palayamkottai and Thanjavur recorded **39.1°C & 39.0°C**.

The **coastal areas** of Tamilnadu, Puducherry & Karaikal recorded **35°C to 39°C** and the **hilly areas**, 23°C to 29°C (generally, above normal maximum temperatures).

Chennai recorded normal maximum temperatures (MBK: 37.3°C (+1.0) & NBK: 35.7°C (+0.6°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)	Over Erode district.
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Appreciably above Normal (3.1- 5.0 °C)	Over Coimbatore, Dharmapuri, Karur, Salem and Thirupattur districts.
Above normal (1.6° C to 3.0° C)	Over Thanjavur, Nilgiris, Kanyakumari, Dindigul, Madurai, Tirunelveli, 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 **22.0°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°)	-----
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 and Thoothukudi districts.
Above Normal (1.6 °C to 3.0 °C)	Over Coimbatore, Madurai, Ramanathapuram, Salem, Thirupattur and Nilgiris 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 South Interior Karnataka & neighbourhood at 1.5 km above mean sea level.

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

Yesterday's trough/wind discontinuity from south Chhattisgarh to South Kerala now runs from Madhya Maharashtra to Kerala across Karnataka at 0.9 km above mean sea level.

Yesterday's cyclonic circulation over Southeast Arabian Sea extending upto 1.5 km above mean sea level has become less marked.

FORECAST & WARNINGS FOR TAMILNADU AND PUDUCHERRY FOR NEXT SEVEN DAYS

Day 1 (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.
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Day 2 (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 3 (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 4 (26.04.2024)	Dry weather is very likely to prevail over Tamilnadu, Puducherry and Karaikal area.
Day 5 (27.04.2024)	Dry weather is very likely to prevail over Tamilnadu, Puducherry and Karaikal area.
Day 6 (28.04.2024)	Dry weather is very likely to prevail over Tamilnadu, Puducherry and Karaikal area.
Day 7 (29.04.2024)	Dry weather is very likely to prevail over Tamilnadu, Puducherry and Karaikal area.

TEMPERATURE FORECAST

Day 1 (23.04.2024) to Day 5 (27.04.2024)	<p><u>Maximum Temperature:</u> Maximum temperature is likely to be 2-4°C above normal at a few pockets over interior Tamilnadu during the next five days. No large change in maximum temperature is likely over the rest Tamilnadu districts, Puducherry and Karaikal area for next five days. It is likely to be 39-41°C at a few pockets over the plains of the north interior districts, 36-38°C over the plains of rest of Tamilnadu, Puducherry & Karaikal area.</p> <p><u>Relative Humidity (23.04.2024 to 27.04.2024):</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.</p>
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HEAT WAVE WARNING

Day 1 (23.04.2024) & Day 2 (24.04.2024)	Heat wave conditions are very likely to prevail at isolated pockets over North Interior Tamilnadu .
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TEMPERATURE WARNING

Day 1 (23.04.2024) to Day 5 (27.04.2024)	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 around 37°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 around 37°C and Minimum temperature is likely to be around 28°C .

P. SENTHAMARAI KANNAN,
SCIENTIST 'F'

For Deputy Director General of Meteorology,
Regional Meteorological Centre, Chennai

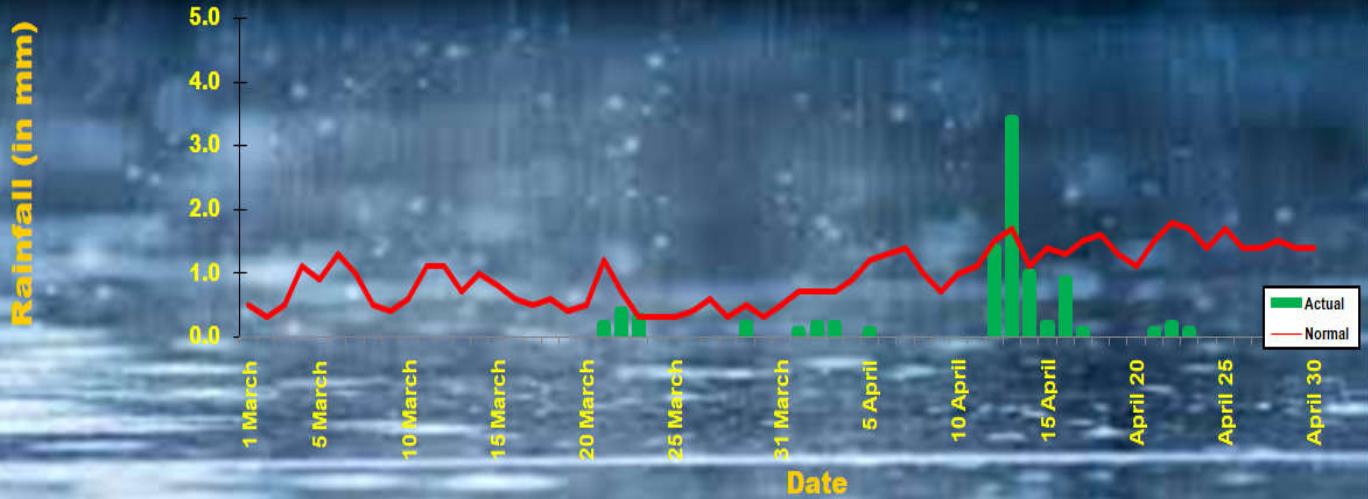
OBSERVATIONS RECORDED AT 0830 HRS IST OF DATE:23-04-2024 (3 Vaisakha 1946 SAKA)

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	36.5	2.1	26.8	0.1	70	-5	0.0	17.7	-44.1	5	124	
Chennai	35.7	0.6	28.0	0.7	72	-2	0.0	0.0	-13.8	7	140	
Chennai_AP	37.3	1.0	25.8	-0.8	76	4	0.0	0.0	-22.8	8	138	
Coimbatore_AP	40.0	3.7	26.8	2.8	69	-7	0.0	0.0	-36.4	2	59	z*
Coonoor	27.0	2.5	16.2	0.7	68	-5	0.0	184.6	16.7	33	159	
Cuddalore	36.2	1.2	26.8	0.6	78	4	0.0	0.0	-28.4	15	134	
Dharmapuri	41.2	4.0	25.0	0.8	71	4	0.0	0.0	-55.9	1	91	
Erode	43.0	5.5	22.8	-0.4	69	6	0.0	0.0	--	1	--	
Kanyakumari	35.4	2.4	27.8	1.5	66	-6	0.0	82.3	15.1	9	75	
KarurParamathi	41.2	3.7	25.5	0.3	72	0	0.0	0.0	-39.1	2	59	
Karaikal	34.5	0.0	26.2	-0.4	82	6	0.0	2.0	-40.5	24	150	
Kodaikanal	22.8	1.7	11.9	-0.4	40	-28	0.0	34.5	-121.6	12	158	
Madurai_City	40.2	3.0	26.4	1.4	74	2	0.0	12.9	--	2	--	
Madurai_AP	40.7	2.9	27.5	1.6	62	-6	0.0	16.2	-36.6	3	85	
Nagapattinam	35.3	1.0	26.6	0.0	72	-6	0.0	0.5	-44.4	29	143	
Namakkal	40.0	--	22.0	--	NA	--	0.0	0.0	--	1	--	
Palayamkottai	39.1	1.9	29.7	3.6	74	-2	0.0	2.0	-81.0	5	73	
Pamban	35.5	1.0	29.4	1.9	78	4	0.0	51.7	-3.1	12	91	
Parangipettai	36.8	--	26.2	--	78	--	0.0	0.0	-37.8	14	139	
Puducherry	35.8	1.0	27.1	0.6	77	0	0.0	0.0	-30.7	18	134	
Salem	41.6	3.7	26.9	1.6	73	3	0.0	2.2	-42.4	Tr	102	z*
Thanjavur	39.0	--	28.0	--	73	--	0.0	1.0	-26.0	6	95	
Thirupattur	40.8	3.1	26.6	2.0	54	-17	0.0	0.0	-32.1	Tr	95	
Tiruchirappalli_AP	40.3	2.2	27.0	0.5	70	0	0.0	0.0	-33.4	1	87	z*
Tiruthani	40.8	2.4	25.2	-0.2	69	-2	0.0	0.0	-25.5	3	101	
Tondi	36.6	2.5	26.9	-0.3	76	0	0.0	17.8	-48.8	4	88	
Thoothukudi	34.6	0.9	29.3	3.3	76	-2	0.0	50.3	-28.4	12	63	
Udagamandalam	25.6	2.2	13.4	1.7	68	0	0.0	0.0	-82.3	5	116	
Valparai	29.0	0.9	16.0	-0.7	95	6	0.2	39.4	-85.1	14	290	
Vellore	41.5	2.6	25.1	-0.1	78	5	0.0	0.0	-32.3	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.

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 2024		23.04.2024			From 01.03.2024 to 23.04.2024		
CODE	NAME	ACTUAL in mm	NORMAL in mm	PDN*	ACTUAL in mm	NORMAL in mm	PDN*
	STATES						
31	TAMIL NADU	0.1	1.7	-93	9.2	48.0	-81
	MET. SUBDIVISIONS						
31	TAMIL NADU & PUDUCHERRY						
534	ARIYALUR	0.0	1.6	-100	1.9	26.2	-93
687	CHENGALPATTU	0.0	1.2	-100	0.0	17.4	-100
461	CHENNAI	0.0	0.7	-100	0.0	13.7	-100
462	COIMBATORE	1.1	1.6	-29	7.2	63.5	-89
463	CUDDALORE	0.0	1.7	-100	0.0	31.9	-100
464	DHARMAPURI	0.0	2.0	-100	0.0	48.8	-100
465	DINDIGUL	0.0	1.7	-100	12.7	67.0	-81
466	ERODE	0.2	2.1	-92	4.5	52.4	-92
688	KALLAKURICHI	0.0	1.2	-100	0.0	24.4	-100
467	KANCHEEPURAM	0.0	4.1	-100	0.0	20.0	-100
468	KANYAKUMARI	0.2	4.1	-94	45.7	120.0	-62
636	KARAIKAL	0.0	0.8	-100	2.0	42.5	-95
469	KARUR	0.0	1.0	-100	0.0	35.3	-100
470	KRISHNAGIRI	0.0	1.9	-100	0.0	41.1	-100
471	MADURAI	0.0	1.4	-100	16.8	57.7	-71
695	MAYILADUTHURAI	0.0	1.5	-100	0.0	36.8	-100
472	NAGAPATTINAM	0.0	1.9	-100	17.0	45.2	-62
473	NAMAKKAL	0.0	2.2	-100	0.0	40.8	-99
474	NILGIRIS	0.0	2.3	-100	30.7	88.8	-65
475	PERAMBALUR	0.0	2.5	-100	0.0	24.6	-100
476	PUDUCHERRY	0.0	0.2	-100	0.0	30.7	-100
477	PUDUKKOTTAI	0.0	0.5	-100	8.5	32.5	-74
478	RAMANATHAPURAM	0.0	0.9	-100	14.5	59.0	-75
689	RANIPET	0.0	2.0	-100	0.0	24.7	-100
479	SALEM	0.0	2.1	-100	0.1	49.1	-99
480	SIVAGANGA	1.7	0.8	114	8.1	52.3	-84
690	TENKASI	0.0	2.3	-100	30.0	109.8	-73
481	THANJAVUR	0.0	1.4	-100	10.1	37.8	-73
482	THENI	0.4	3.3	-88	18.4	83.3	-78
483	TIRUNELVELI	0.0	1.2	-100	69.6	82.2	-15
691	TIRUPATTUR	0.0	1.2	-100	0.0	29.1	-100
535	TIRUPPUR	0.0	1.4	-100	0.0	40.0	-100
484	TIRUVALLUR	0.0	1.5	-100	0.3	20.1	-98
485	TIRUVANNAMALAI	0.0	1.7	-100	0.0	27.5	-100
486	TIRUVARUR	0.0	1.2	-100	6.5	41.2	-84
488	TOOTHUKUDI	0.0	1.0	-100	14.9	67.3	-78
487	TRICHY	0.0	0.4	-100	3.0	31.5	-91
489	VELLORE	0.0	1.6	-100	0.0	30.1	-100
490	VILLUPURAM	0.0	3.9	-100	0.0	20.6	-100
491	VIRUDHUNAGAR	0.0	1.0	-100	31.7	69.3	-54
	SUBDIVISION RAINFALL	0.1	1.7	-93	9.2	47.9	-81
LEGEND	PDN*	Percentage Departure from Normal					
	**	Rainfall for the 24 hrs ending at 0830 hrs of date					

Premonsoon Rainfall 2024 for Tamilnadu and Puducherry
 From 01.03.2024 to To 23.04.2024 : Actual: 9.2 (mm) Normal: 47.9 (mm)
 Departure from Normal : (-) 81 %



**Realised rainfall (mm) during the past 24 hours
 (upto 08:30 IST of 23/04/2024)**



India Meteorological Department
Regional Meteorological Centre, Chennai
 Date : 23/04/2024

Highest Rainfall recorded(mm): 23
Place: SHOLAYAR (COIMBATORE)

23.0

0.2

13.6

1.8

5.0

6.5

Rainfall (mm)

- light rain (0.1 - 15.6)
- moderate rain (15.6 - 64.5)
- heavy rain (64.5 - 115.6)
- very heavy rain (115.6 - 204.5)
- extremely heavy rain (>204.5)



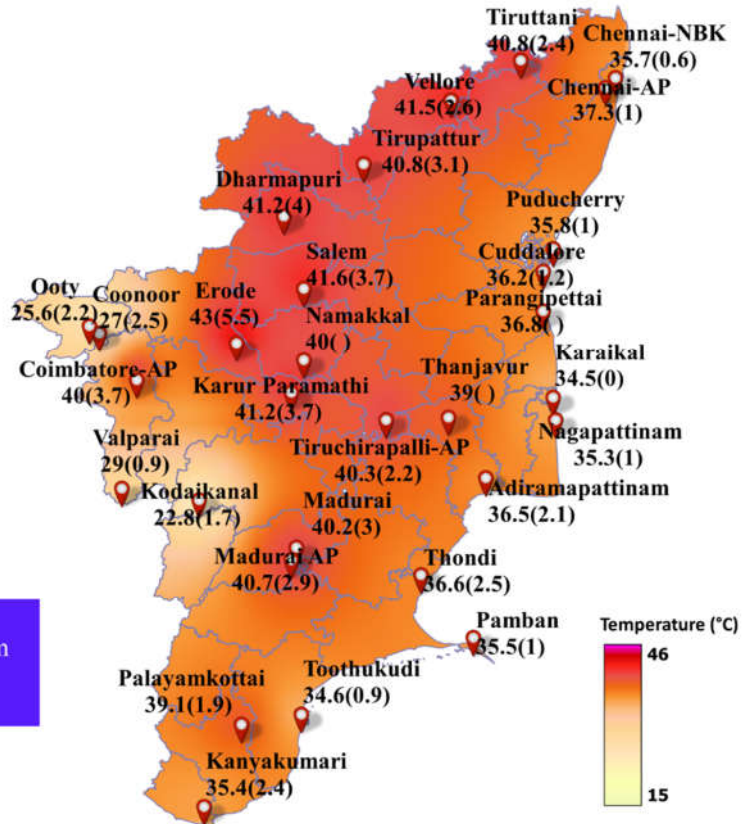
Realised Maximum Temperature (°C) in the past 24 Hrs (upto 0830 IST of 23/04/2024) and its departure from normal(°C)



India Meteorological Department
Regional Meteorological Centre, Chennai
Date: 23/04/2024

The highest temperature recorded : 43°C
Place : Erode

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



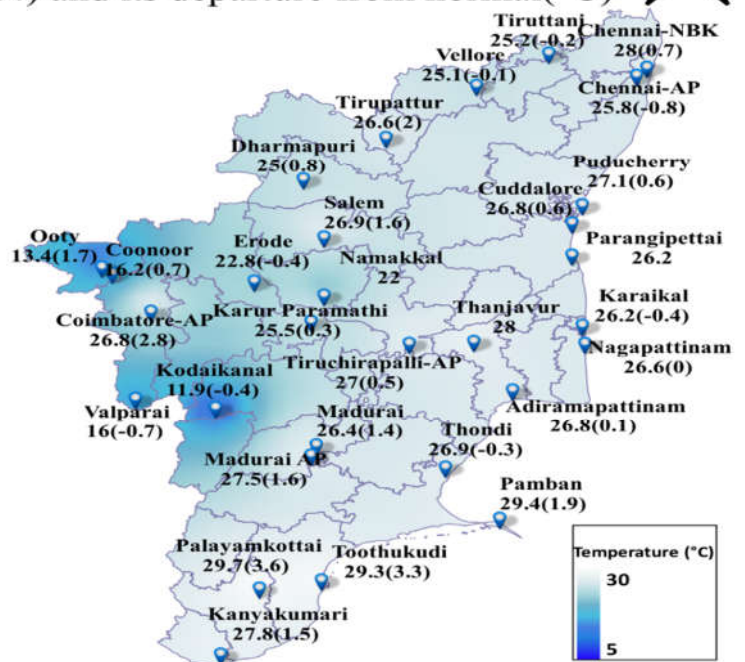
Realised Minimum Temperature (°C) in the past 24 Hrs (upto 0830 IST of 23/04/2024) and its departure from normal(°C)



India Meteorological Department
Regional Meteorological Centre, Chennai
Date : 23/04/2024

The lowest temperature recorded in the plains : 22° C
Place : Namakkal
The lowest temperature recorded in the hilly region : 11.9° 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