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GOVERNMENT OF INDIA
INDIA METEOROLOGICAL DEPARTMENT
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WEEKLY WEATHER REPORT FOR TAMILNADU, PUDUCHERRY & KARAIKAL FOR THE WEEK ENDING 27th MARCH 2024

7 Chaitra 1946 (SAKA)

Chief synoptic features and its associated weather:

Last week's cyclonic circulation over north Telangana & neighbourhood lay over west Vidarbha & neighbourhood at 1.5 km above mean sea level on 21st March 2024.

Last week's trough / wind discontinuity from Kerala to north Telangana with embedded cyclonic circulation over north Telangana and neighbourhood seen as a trough from east-central & adjoining southeast Arabian sea off north Keral-Karnataka coasts to north Maharashtra coasts at 0.9 km above mean sea level on 21st; Seen as a trough / wind discontinuity from north Tamilnadu to west Vidarbha at 0.9 km above mean sea level on 22nd; ran from North Kerala to Vidarbha and extended upto 1.5 km above mean sea level on 23rd; ran from South Interior Karnataka to Vidarbha across North Interior Karnataka and extended upto 1.5 km above mean sea level on 24th; Persisted over the same region on 25th; ran from North Interior Karnataka to East Vidarbha and extended upto 1.5 km above mean sea level on 26th; ran from south interior Karnataka to east Vidarbha and extended upto 0.9 km above mean sea level on 27th March 2024.

Rainfall:

Rain occurred over Tamilnadu **at isolated places on** 21st to 24th; **Dry weather** prevailed over Tamilnadu on 25th,26th and 27th; over Puducherry and Karaikal from 21st to 27th, March 2024.

Temperature Description:

Maximum Temperature (24 Hrs. Change):

Date/ Category	21-03-2024	22-03-2024	23-03-2024	24-03-2024	25-03-2024	26-03-2024	27-03-2024
Markedly fall (-4.1° C or less)	____	Dindigul and Madurai (City) districts.	____	____	____	____	____
Appreciable fall (-2.1° C to -4.0°)	____	Madurai (Airport), Ramanathapuram and Nilgiris districts.	____	____	____	____	____
Appreciable rise (2.1 ° C to 4.0°)	Nilgiris district.	____	Madurai and Ramanathapuram districts.	Dindigul, Madurai, Tirunelveli and Nilgiris	Nilgiris district.	____	____

				districts.			
Markedly rise (4.1° C or more)	____	____	____	____	____	____	____
No large change (-2.0° C to 2.0°C)	Over the rest of the districts						

Maximum Temperature (Departure):

Date/ Category	21-03-2024	22-03-2024	23-03-2024	24-03-2024	25-03-2024	26-03-2024	27-03-2024
Markedly above normal (5.1 ° C or more)	____	____	____	____	____	____	____
Appreciably above Normal (3.1° C to 5.0 ° C)	____	____	____	____	____	____	Ramanathapuram and Nilgiris districts.
Above Normal (1.6 °C to 3.0 °C)	Kanyakumari, Karur, Dindigul, Ramanathapuram and Nilgiris districts.	Kanyakumari district.	Kanyakumari and Ramanathapuram districts.	Karur and Ramanathapuram districts.	Kanyakumari, Dindigul, Ramanathapuram and Nilgiris districts.	Kanyakumari, Ramanathapuram and Nilgiris districts.	Dindigul district.
Below normal (-1.6 ° to -3.0 ° C)	____	Coimbatore, Dindigul and Madurai (Airport) districts.	Madurai, Thirupattur and Nilgiris districts.	____	____	Vellore district.	____
Appreciably below normal (- 3.1° C to –5.0°C)	____	Madurai (City) district.	____	____	____	____	____
Markedly below normal (- 5.1° C or less)	____	____	____	____	____	____	____
Normal (-1.5° C to 1.5° C)	Over the rest of the districts						

Minimum Temperature (24 Hrs. Change)

Date/Category	21-03-2024	22-03-2024	23-03-2024	24-03-2024	25-03-2024	26-03-2024	27-03-2024
Markedly fall (-4.1° C or less)	Nagapattinam district.	____	____	____	Coimbatore district.	____	____
Appreciable fall (-2.1° C to -4.0°)		Thoothukudi district.	Kanyakumari and Dindigul districts and Karaikal area.			Thanjavur district.	
Appreciable rise (2.1 ° C to 4.0°)	Thanjavur, Chennai, Cuddalore and Ramanatha	Cuddalore district.		Kanyakumari district.	Thanjavur district.		Ramanathapuram district.

	puram districts.						
Markedly rise (4.1° c or more)	____	____	____	____	____	____	____
No large change (-2.0° C to 2.0°C)	Over the rest of the districts						

Minimum Temperature (Departure)

Date/Category	**21-03-2024**	**22-03-2024**	**23-03-2024**	**24-03-2024**	**25-03-2024**	**26-03-2024**	**27-03-2024**
Markedly above normal (5.1 ° C or more)	____	____	____	____	____	____	____
Appreciably above Normal (3.1° C to 5.0 ° C)	Chennai , Cuddalore and Nagapattinam districts & Karaikal area.	____	____	____	____	____	Nilgiris district.
Above Normal (1.6 °C to 3.0 °C)	Chennai , Kanyakumari, Madurai, Tirunelveli, Ramanathapuram, Thirupattur, Tiruvallur, Thoothukudi and Vellore districts and Puducherry.	Chennai, Cuddalore, Kanyakumari, Nagapattinam, Ramanathapuram, Coimbatore and Vellore districts and Karaikal area.	Tirunelveli and Thirupattur districts.	Coimbatore district.	____	Nilgiris district.	____
Below normal (-1.6 ° to -3.0 ° C)	Dindigul district.	Erode and Karur district.	Erode, Karur, Dindigul and Madurai districts.	Karur and Ramanathapuram districts.	Dharmapuri and Coimbatore districts.	Thanjavur, Dharmapuri, Tiruvallur and Ramanathapuram districts.	Dharmapuri, Salem, Thirupattur and Ramanathapuram districts.
Appreciably below normal (- 3.1° C to –5.0°C)	Erode district.	____	____	Erode district.	Erode, Karur and Ramanathapuram districts.	Erode and Karur districts.	Erode and Karur districts.
Markedly below normal (- 5.1° C or less)	____	____	____	____	____	____	____
Normal (-1.5° C to 1.5° C)	Over the rest of the districts						

Chief amounts of Rainfall (in cm):

21-03-2024: Thirukuvalai (dist Nagapattinam) 5, Thalaignayer (dist Nagapattinam) 4, Vedaranyam (dist Nagapattinam) 2, Kodiayakarai (dist Nagapattinam), Mimisal (dist Pudukkottai), Thiruthuraipoondi (dist Thiruvarur) 1 each.

22-03-2024: Nalumukku (dist Tirunelveli) 4, Pulipatti (dist Madurai), Avudayarkoil (dist Pudukkottai), Nagudi (dist Pudukkottai), Old Taluk Office Srivaikuntam (dist Thoothukudi) 2 each, Bodinaickanur (dist Theni), Nanguneri (dist Tirunelveli), Mandapam (dist Ramanathapuram), Karaikudi (dist Sivagangai), Tondi (dist Ramanathapuram), Anaimalai Taluk Office (dist Coimbatore), Arantangi (dist Pudukkottai), Servalar Dam (dist Tirunelveli) 1 each.

23-03-2024: Kozhiporvilai (dist Kanniyakumari), Kanniyakumari (dist Kanniyakumari), Kayalpattinam (dist Thoothukudi) 5 each, Oothu (dist Tirunelveli), Thuckalay (dist Kanniyakumari), Eraniel (dist Kanniyakumari), Manjolai (dist Tirunelveli) 2 each, Radhapuram (dist Tirunelveli), Kulasekarapattinam (dist Thoothukudi), Adayamadai (dist Kanniyakumari), Alakarai Estate (dist The Nilgiris), Old Taluk Office Srivaikuntam (dist Thoothukudi) 1 each.

24-03-2024: None.

25-03-2024: None.

26-03-2024: None.

27-03-2024: None.

Week's Rainfall:

Large Excess	Nagapattinam district.
Excess	----------
Normal	----------
Deficient	Kanyakumari, Madurai, Ramanathapuram and Toothukudi districts.
Largely Deficient	Coimbatore, Nilgiris, Sivaganga, Thanjavur, Theni, Tiruvallur and Virudhunagar districts.
No rain	Ariyalur, Chengalpattu, Chennai, Cuddalore, Dharmapuri, Dindigul, Erode, Kallakurichi, Kancheepuram, Karur, Krishnagiri, Mayiladuthurai, Namakkal, Perambalur, Pudukottai, Ranipet, Salem, Tenkasi, Tirunelveli, Tirupattur, Tiruppur, Tiruvannamalai, Tiruvarur, Trichy, Vellore, Villupuram, districts, Puducherry & Karaikal area.

For the period from 01-03-2024 to 27-03-2024 :

Large Excess	----------
Excess	----------
Normal	----------
Deficient	Nagapattinam district.
Largely Deficient	Coimbatore, Dindigul, Kanyakumari, Madurai, Nilgiris, Pudukottai, Ramanathapuram, Sivaganga, Thanjavur, Theni, Tirunelveli, Tiruvallur, Tiruvarur, Toothukudi and Virudhunagar districts.

No rain	Ariyalur, Chengalpattu, Chennai, Cuddalore, Dharmapuri, Erode, Kallakurichi, Kancheepuram, Karur, Krishnagiri, Mayiladuthurai, Namakkal, Perambalur, Ranipet, Salem, Tenkasi, Tirupattur, Tiruppur, Tiruvannamalai, Trichy, Vellore, Villupuram districts, Puducherry & Karaikal area.

P.Senthamarai Kannan
Scientist-F
for the Deputy Director General of Meteorology
Regional Meteorological Centre,
College Road, Chennai-6

Dated: 27-03-2024

LEGEND:

Spatial rainfall distribution:

% Stations reporting Rainfall	Category
76-100	Widespread (WS/ most places)
51-75	Fairly Widespread (FWS/ many places)
26-50	Scattered (SCT/ few places)
1 -25	Isolated (ISOL/ one or two places)
No Rain	Dry

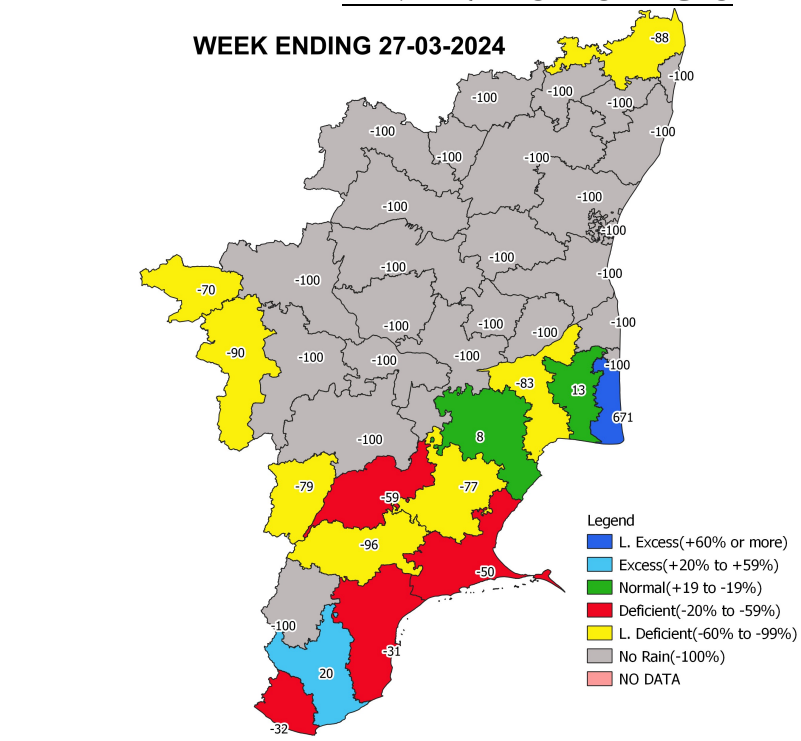
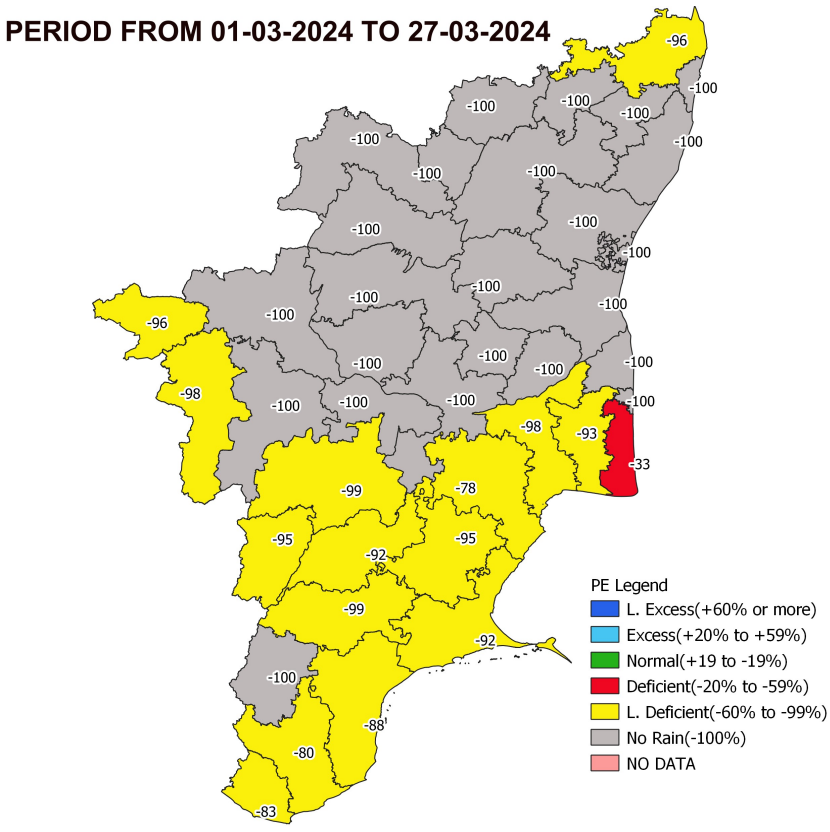
Rainfall intensity:

24-hr accumulated rainfall (cm/day)	Category
Upto 1	Light rain
2-6	Moderate rain
7-11	Heavy rain
12-20	Very heavy rain
≥ 21	Extremely heavy rain

RAINFALL STATEMENT

	Rainfall For the week ending 27-03-2024			Seasonal rainfall for the period from 01-03-2024 to 27-03-2024		
Districts	*Actual (mm)*	*Normal (mm)*	*Departure (%)*	*Actual (mm)*	*Normal (mm)*	*Departure (%)*
Ariyalur	0.0	2.1	-100	0.0	12.8	-100
Chengalpattu	0.0	2.2	-100	0.0	6.5	-100
Chennai	0.0	2.0	-100	0.0	5.2	-100
Coimbatore	0.4	3.9	-90	0.4	20.4	-98
Cuddalore	0.0	2.3	-100	0.0	18.9	-100
Dharmapuri	0.0	4.4	-100	0.0	14.4	-100
Dindigul	0.0	4.6	-100	0.2	22.8	-99
Erode	0.0	3.9	-100	0.0	17.2	-100
Kallakurichi	0.0	1.8	-100	0.0	10.3	-100
Kanchipuram	0.0	2.6	-100	0.0	6.8	-100
Kanyakumari	5.8	8.4	-32	5.8	34.3	-83
Karaikal	0.0	1.2	-100	0.0	21.2	-100
Karur	0.0	3.7	-100	0.0	12.7	-100
Krishnagiri	0.0	4.6	-100	0.0	12.7	-100
Madurai	1.6	3.9	-59	1.6	20.6	-92
Mayiladuthurai	0.0	2.4	-100	0.0	24.3	-100
Nagapattinam	17.0	2.2	671	17.0	25.2	-33
Namakkal	0.0	3.9	-100	0.0	10.7	-100
Nilgiris	1.5	4.8	-70	1.5	36.2	-96
Perambalur	0.0	1.9	-100	0.0	8.9	-100
Puducherry	0.0	2.3	-100	0.0	20.5	-100
Pudukottai	3.2	3.0	8	3.2	14.7	-78
Ramanathapuram	1.8	3.6	-50	1.8	23.6	-92
Ranipet	0.0	4.2	-100	0.0	9.7	-100
Salem	0.0	4.3	-100	0.0	15.2	-100
Sivagangai	1.0	4.4	-77	1.0	20.8	-95
Thenkasi	0.0	8.4	-100	0.0	47.2	-100
Thanjavur	0.3	1.9	-83	0.3	16.3	-98
Theni	1.5	7.3	-79	1.5	31.6	-95
Tirunelveli	7.1	5.9	20	7.1	36.3	-80
Tirupathur	0.0	2.8	-100	0.0	10.2	-100
Tiruppur	0.0	2.3	-100	0.0	10.5	-100
Tiruvallur	0.3	2.5	-88	0.3	7.5	-96
Tiruvannamalai	0.0	3.0	-100	0.0	11.8	-100
Tiruvarur	1.4	1.2	13	1.4	18.5	-93
Toothukudi	3.7	5.3	-31	3.7	30.2	-88
Tiruchirapalli	0.0	2.2	-100	0.0	10.8	-100
Vellore	0.0	2.9	-100	0.0	11.0	-100
Villupuram	0.0	1.5	-100	0.0	8.0	-100
Virudhunagar	0.2	4.3	-96	0.2	27.1	-99
Tamilnadu	1.0	3.7	-74	1.0	18.2	-95
Tamilnadu, Puducherry&Karaikal	1.0	3.7	-74	1.0	18.2	-95

Largely deficient	Deficient	Normal	Excess	Large Excess
-60% to -99%	-20% to -59%	-19% to +19%	+20% to +59%	≥ 60%

No rain: -100%

TAMILNADU DISTRICTS