



இந்திய அரசு
இந்திய வானிலைஆய்வுத்துறை
மண்டலவானிலைஆய்வுமையம்
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GOVERNMENT OF
INDIA
INDIA METEOROLOGICAL
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MONTHLY WEATHER SUMMARY FOR TAMILNADU, PUDUCHERRY AND KARAIKAL FOR THE MONTH OF APRIL 2026

I. Realised Weather:

1. Rainfall:

a) Sub-divisional rainfall:

Rainfall occurred over Tamil Nadu at a few places on 05th & 06th; at isolated places on 01st, 03rd, 04th, 07th, 08th- 12th, 15th, 17th, 18th, 20th - 25th, 27th- 30th; over Karaikal area on 30th; very light rain occurred over Karaikal area on 06th & 07th Apr. Dry weather prevailed over Tamil Nadu on 02nd, 13th, 14th, 16th, 19th & 26th over Karaikal area on 01st - 05th & 08th- 29th; over Puducherry during 01st - 30th April 2026.

The sub divisional daily rainfall during the month is depicted in Fig.1

The cumulative rainfall for the Tamil Nadu subdivision for the month of April 2026 was 17.7 mm against the normal of 38.8 mm which comes under **Deficient** (-54%) category (Table -1a).

b) District rainfall scenario:

Out of 40 districts (including Puducherry & Karaikal), 01 district received - **Large Excess** rainfall; 01 district received - **Excess** rainfall; 06 districts received - **Normal** rainfall; 12 districts received - **Deficient** rainfall; 19 districts received - **Large Deficient** rainfall and 01 district received - No Rain category rainfall during April 2026. (Table-1b & Fig.2).

Ariyalur district received **Large Excess** rainfall; Perambalur received - **Excess** rainfall; Chennai, Cuddalore, Thanjavur, Thirunelveli, Thiruvallur and Thiruchirappalli districts received - **Normal** rainfall; Coimbatore, Kallakurichi, Kanchipuram, Kanyakumari, Mayiladuthurai, Pudukottai, Ramanathapuram, Sivagangai, Theni, Thiruvannamali, Vellore and Virudhunagar received - **Deficient** rainfall; Chengalpattu, Dharmapuri, Dindigul, Erode, Karur, Krishnagiri, Madurai, Nagapattinam, Namakkal, Nilgiris, Ranipet, Salem, Tenkasi, Tirupathur, Tiruppur, Thiruvarur, Toothukudi, Villupuram districts and Karaikal received - **Large Deficient** rainfall; Puducherry received - No Rain during April 2026.

c) **Heavy Rainfall Occurrences:**

Isolated heavy rainfall occurred over **Theni** and **Coimbatore** districts on **03rd**; over **Theni** and **Tirunelveli** districts on **05th**; over **Ariyalur, Thiruchirappalli** and **Pudukkottai** districts on **06th**; over **Tirunelveli** and **Kanyakumari** districts on **30th** Apr 2026.

List of heavy rainfall events is given in Table-2.

d) **Station-wise cumulative rainfall:**

Cumulative rainfall over various stations in Tamilnadu, Puducherry & Karaikal during April 2026 is presented in Fig.3.

Oothu (Tirunelveli district) has recorded the highest rainfall of **31 cm** followed by **Nalumukku (Tirunelveli district)** recorded **24 cm** during the month.

e) **Thunderstorm reports:**

Isolated thunderstorm activities were reported on a few of the days during the month of April 2026. List of thunderstorm events are furnished in Table-3.

Gusty wind reports:

Gusty winds were reported on a many of the days during the month of April 2026. List of gusty wind reports are furnished in Table-4.

2. **Temperature:**

The highest maximum temperature recorded during the month was **42.2°C** at Vellore on 08th April 2026. The lowest minimum temperature recorded over the plains of the subdivision was **20.2°C** at Thanjavur on 06th and over the hilly areas, **8.9°C** at Kodaikanal on 02nd April 2026.

List of stations that recorded maximum temperatures $\geq 40^{\circ}\text{C}$ are furnished on Table-5.

(Note: Realised rainfall and temperature descriptions given above are based on the observations during the past 24 hours ending 08:30 IST of dates mentioned therein.)

3. **Chief synoptic features during April 2026**

- Last month's **upper air cyclonic circulation** over Coastal Andhra Pradesh & adjoining Telangana at 0.9 km above mean sea level became less marked on 01st April 2026.
- Last month's **upper air cyclonic circulation** over Southeast Arabian sea off Kerala coast at 0.9 km above mean sea level became less marked on 01st April 2026.
- Last month's **trough/Wind discontinuity** from **upper air cyclonic circulation** over East Uttar Pradesh to south Tamil Nadu across east Madhya Pradesh, Vidarbha, Marathwada, Interior Karnataka at 0.9 km above mean sea level became less marked on 01st April 2026.
- An **upper air cyclonic circulation** lay over South Coastal Andhra Pradesh & Yanam and neighbourhood between 1.5 and 3.1 km above mean sea level on 03rd; persisted on 04th; lay over westcentral Bay of Bengal off South Coastal Andhra Pradesh at 1.5 km above mean sea level on 05th; persisted on 06th; became less marked on 07th Apr 2026.

- An **upper-air cyclonic circulation** lay over Rayalaseema & neighbourhood at 0.9 km above mean sea level on 05th; lay over Telangana & neighbourhood at 0.9 km above mean sea level on 06th; became less marked on 07th Apr 2026.
- An **upper air cyclonic circulation** lay over North Tamilnadu and neighbourhood at 1.5 km above mean sea level on 10th; became less marked on 11th Apr 2026.
- An **Anti-cyclonic circulation** lay over Karnataka and adjoining Maharashtra between 3.1 and 5.8 km above mean sea level on 13th; persisted on 14th and 15th; persisted on 16th; lay over interior Maharashtra & adjoining Telangana and North Interior Karnataka between 3.1 & 5.8 km above mean sea level on 17th; persisted on 18th; 19th; 20th; 21st & 22nd; moved away from our region on 23rd Apr 2026.
- An **upper air cyclonic circulation** lay over North Interior Karnataka at 0.9 km above mean sea level on 15th; has merged with the North-South trough on 16th Apr 2026.
- An **upper air cyclonic circulation** lay over north Tamil nadu & neighbourhood at 1.5 km above men sea level on 22nd; lay over coastal tamilnadu at 1.5 km above mean sea level on 23rd; lay over south Coastal Tamilnadu at 1.5 km above mean sea level on 24th; and became less marked on 25th Apr 2026.
- An **upper air cyclonic circulation** lay over Telangana & neighbourhood at 1.5 km above mean sea level on 21st; became less marked on 22nd Apr 2026.
- A **trough** ran from interior Tamil Nadu to North Interior Karnataka at 0.9 km above mean sea level on 01st; ran from interior Tamil Nadu to Central Konkan across Interior Karnataka at 0.9 km above mean sea level on 02nd; ran from Marathawada to South Tamil Nadu across Interior Karnataka at 0.9 km above mean sea level on 03rd; persisted on 04th; has merged with the trough from the **upper-air cyclonic circulation** over Rayalaseema & neighbourhood to Gulf of Mannar on 05th Apr 2026.
- A **trough** ran from the **upper-air cyclonic circulation** over Rayalaseema & neighbourhood to Gulf of Mannar across Tamil Nadu at 0.9 km above mean sea level on 05th; ran from the upper-air cyclonic circulation over Telangana & neighbourhood to Gulf of Mannar across Rayalaseema and Tamil Nadu at 0.9 km above mean sea level on 06th; ran from Gangetic West Bengal to Gulf of Mannar across the upper-air cyclonic circulation over Odisha & neighbourhood, Telangana, Rayalaseema and Tamil Nadu at 0.9 km above mean sea level on 07th; has merged with the North- South trough on 08th Apr 2026.
- A **trough** ran from Gangetic West Bengal to Telangana across Chhattisgarh at 0.9 km above mean sea level on 05th; became less marked on 06th Apr 2026.
- A North-South **trough** ran from the cyclonic circulation over Chhattisgarh to Gulf of Mannar across Telangana, Rayalaseema, Interior Tamilnadu at 0.9 km above mean sea level on 08th; persisted on 09th and 10th; ran from interior Odisha to Gulf of Mannar across south Chhattisgarh, Vidarbha and cyclonic circulation over Marathwada, interior Karnataka, interior

Tamil Nadu at 0.9 km above mean sea level on 11th; ran from North Madhya Pradesh to South Tamil Nadu across Vidarbha, Madhya Maharashtra, Marathwada, Interior Karnataka at 0.9 km above mean sea level on 12th; ran from the cyclonic circulation over Northeast Bihar to South Tamil Nadu across Jharkhand, North Chhattisgarh, Madhya Pradesh, Vidarbha, Marathwada, Interior Karnataka at 0.9 km above mean sea level on 13th; ran from South Assam to South Tamil Nadu across cyclonic circulation over Jharkhand & adjoining Gangetic West Bengal, Odisha, Chhattisgarh, Telangana, Interior Karnataka at 0.9 km above mean sea level on 14th; ran from southeast Madhya Pradesh to Comorin area across Vidarbha, Marathwada, cyclonic circulation over North Interior Karnataka and Tamil Nadu at 0.9 km above mean sea level on 15th; ran from the cyclonic circulation over Northeast Madhya Pradesh to Gulf of Mannar across Vidarbha, Marathwada, Interior Karnataka and Tamil Nadu and extended upto 1.5 km above mean sea level on 16th; ran from Marathwada to Gulf of Mannar across Interior Karnataka, Rayalaseema and Tamil Nadu at 0.9 km above mean sea level on 17th; became less marked on 18th Apr 2026.

- A **north-south trough** in easterlies ran from Coastal Karnataka to North Kerala at 1.5 km above mean sea level on 14th; became less marked on 15th Apr 2026.
- A **trough** in easterlies ran roughly along Kerala and Karnataka Coasts at 1.5 km above mean sea level on 12th; became less marked on 13th Apr 2026.
- A North-South **trough** ran from the cyclonic circulation over East Uttar Pradesh & neighbourhood to Gulf of Mannar across East Madhya Pradesh, Vidarbha, Telangana, Rayalaseema and Tamil Nadu at 0.9 km above mean sea level on 18th; ran from North Interior Karnataka to Gulf of Mannar across South Interior Karnataka and Tamil Nadu on 19th; became less marked on 20th Apr 2026.
- A **trough/ wind discontinuity** ran from Telangana to Comorin area across Rayalaseema and Interior Tamil Nadu and extends upto 1.5 km above mean sea level on on 20th; ran from the **upper air cyclonic circulation** over North Chhattisgarh to Comorin area across Telangana, Interior Karnataka, Tamil Nadu at 0.9 km above mean sea level on 21st; ran from Marathwada to Comorin area across Interior Karnataka, Rayalaseema and Tamil Nadu at 0.9 km above mean sea level on 22nd; ran from east Vidarbha to Comorin area across Telangana, Interior Karnataka and Tamil Nadu at 0.9 km above mean sea level 23rd; persisted on 24th; lay over north Interior Karnataka to Comorin area across South Interior Karnataka and Tamil Nadu at 0.9 km above mean sea level on 25th; persisted on 26th; ran from from Central parts of Madhya Pradesh to Comorin area across Vidarbha, Interior Karnataka, Rayalaseema and Tamil Nadu at 0.9 km above mean sea level on 27th; ran from cyclonic circulation over North Telangana to Comorin area across interior Karnataka, Rayalaseema and Tamil Nadu at 0.9 km above mean sea level on 28th; North Interior Karnataka to Gulf of Mannar across south Interior Karnataka and Tamil Nadu at 0.9 km above mean sea level on 29th; ran from South Interior Karnataka to Gulf of Mannar across Tamil Nadu at 0.9 km above mean sea level on 30th April 2026.

4. Large scale features:

During April 2026, ENSO conditions remained neutral over the equatorial Pacific Ocean. Sea Surface Temperature (SST) anomalies over the central and eastern equatorial Pacific were generally near normal, while atmospheric indicators also reflected neutral ENSO conditions.

The Madden-Julian Oscillation (MJO) remained moderately active during the month and propagated eastward from the Indian Ocean towards the Maritime Continent and western Pacific regions. The associated enhanced convective activity contributed to intra-seasonal variability in weather over the equatorial Indian Ocean and adjoining regions.

The Indian Ocean Dipole (IOD) remained neutral throughout the month, with Sea Surface Temperature anomalies over the western and eastern equatorial Indian Ocean staying within the neutral range. Consequently, the IOD had minimal influence on the large-scale circulation and weather patterns over the Indian region during April 2026.

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Table-1a: Realised rainfall over Tamil Nadu subdivision during April 2026:

Rainfall during April 2026	Actual (mm)	Normal (mm)	Percentage departure from normal (PDN %)
Tamilnadu Subdivision	17.7	38.8	-54
Puducherry & Karaikal	1.6	16.3	-90
Tamilnadu State	17.8	38.8	-54

Table-1b: District-wise monthly rainfall during April 2026:

Districts	Actual (mm)	Normal (mm)	PDN (%)
Ariyalur	51.2	17.0	201
Chengalpattu	1.5	14.2	-90
Chennai	11.0	10.1	9
Coimbatore	31.9	57.2	-44
Cuddalore	17.9	16.5	8
Dharmapuri	15.0	46.5	-68
Dindigul	19.4	58.1	-67
Erode	15.8	47.9	-67
Kallakurichi	12.8	18.9	-32
Kanchipuram	9.7	17.4	-44
Kanyakumari	50.8	104.8	-52
Karaikal	4.6	21.7	-79
Karur	4.0	32.3	-88
Krishnagiri	10.4	39.9	-74
Madurai	12.0	47.5	-75
Mayiladuthurai	12.4	16.4	-25
Nagapattinam	6.6	22.9	-71
Namakkal	5.8	43.3	-87
Nilgiris	9.2	67.2	-86
Perambalur	32.9	24.5	34
Puducherry	0.0	13.4	-100
Pudukottai	16.2	23.2	-30
Ramanathapuram	23.3	42.6	-45
Ranipet	3.9	19.6	-80
Salem	16.8	48.5	-65
Sivagangai	31.0	39.3	-21
Thenkasi	21.2	70.7	-70
Thanjavur	29.9	27.0	11
Theni	36.2	66.8	-46
Tirunelveli	50.3	51.8	-3
Tirupathur	0.3	28.4	-99
Tiruppur	6.3	43.5	-86
Tiruvallur	15.4	16.7	-8
Tiruvannamalai	10.5	21.4	-51
Tiruvarur	7.2	30.1	-76
Toothukudi	5.4	43.8	-88
Tiruchirapalli	27.8	28.3	-2
Vellore	18.1	26.2	-31
Villupuram	5.1	16.2	-68
Virudhunagar	21.6	51.8	-58

Legend: -

No rain	Largely deficient	Deficient	Normal	Excess	Large Excess
-100%	-60% to -99%	-20% to -59%	-19% to +19%	+20% to +59%	≥ 60%

Table-2: List of heavy rainfall events during April 2026

District	Date, Station and 24-hr accumulated rainfall (in cm) for the month of April 2026 (ending 0830 IST of the specified date)
Theni	03 rd : Sothuparai 9
Coimbatore	03 rd : Chinnakalar 7
Tirunelveli	05 th : Oothu 7 05 th : Nalumukku 7 30 th : Oothu 7
Ariyalur	06 th : Jayamkondam 8 06 th : Suthamalli Dam 7
Trichy	06 th : Pullambadi 8; Nandhiyar Head 7
Pudukkottai	06 th : Manamelkudi 7
Kanyakumari	30 th : Thirparappu 7

Table-3: Date-wise list of thunderstorm reports along with time of occurrence (in IST)

Station Name\ Date→	01	02	03	04	05	06	07
Chennai						0803-0807 1145-1240	
PBO Chennai						0810-0825 1140-1240	
Coimbatore_AP					1400-1442 1910-1930		
Coonoor					1530-1600		
Karaikal						0400-0715	
Kodaikanal			2210-2350				
Madurai AP				1800-1900		0615-0810	0615-0810
Nagapattinam						0326-0653	
Pamban						0720-0830	
Salem					0540-0710		
Tiruchirappalli_AP				1915-2040	2105-2350		
Tondi						0815-0818	
Vellore				1645-1800			
PTO Tiruttani				1800-1830			
MO Adirampattinam						0300-0750	

Station Name\ Date→	08	09	10	11	12	13	14
Dharmapuri			0100-0120				
Kodaikanal		1735-1825 2040-2150	2000-2055				

Station Name\ Date→	15	16	17	18	19	20	21	22
Valparai						1545-1600		
Kodaikanal							1910-2000	

Station Name\ Date→	23	24	25	26	27	28	29	30
Pamban	0520-0630							
Valparai						1630-1715		
Kodaikanal							1450-1530	
Coimbatore_AP								1800-2040
Madurai AP								1930-2030
Kodaikanal								1445-1515 1615-2000
Salem								1645-1745
Coonoor								1430-1820 1930-2215 2215-2345

Table-4: Date-wise list of Gusty wind (kmph) reports along with time of occurrence (in IST) April 2026

DISTRICT	STATION	02-04-26	03-04-26	04-04-26	05-04-26	06-04-26	07-04-26	08-04-26	09-04-26	10-04-26
DINDIGUL	NATHAM_ISRO	1500-1502(68)	1915-1917 (46)	1315-1317(78)	1545-1547(30)		1015-1017(57)	1845-1847(44)	1515-1517(54)	1700-1702(50)
DINDIGUL	VEDASANDUR			1500-1502(54)	1130-1132 (39)					
THOOTHUKUDI	THIRUCHENDUR			1345-1347(41)		1000-1002(52)				
VIRUDHUNAGAR	VIRUDHUNAGAR			1700-1702(54)						
THUVAKUDI_ISRO	TIRUCHIRAPPALLI			1715-1717(44)		0500-0502(44)				
RAMNADU_KVL	RAMANATHA-PURAM					0730-0732(41)				
ARUPPUKOTTAI KVK	VIRUDHUNAGAR				1545-1547(30)					
COIMBATORE AMFU	COIMBATORE				1400-1402(50)					
TENKASI						0230-0232(43)				
COONOR	THE NILGIRIS					1845-1847(39)				
MEENAMBAKKAM ISRO	CHENNAI					1145-1147(37)				
RANIPET						1200-1202(41)				
MADHAVARAM	CHENNAI					1145-1147(37)				
VIT_CHENNAI						1215-1217(43)				

DISTRICT	STATION	11-04-26	12-04-26	13-04-26	14-04-26	15-04-26	16-04-26	17-04-26	18-04-26	19-04-26	20-04-26
DINDIGUL	NATHAM_ISRO	1300-1303(50)	1600-1602(50)	1430-1432(48)	1300-1302(46)	1530-1532(50)	1800-1801(46)	1845-1847(43)	1900-1902(44)	1345-1347 1900-1902(41)	1215-1217 (59)
ENNORE_PORT	CHENNAI									1215-1217(39)	
VIJAYNAGARAM	THE NILGIRIS								1315-1317(39)		

DISTRICT	STATION	21-04-26	22-04-26	23-04-26	24-04-26	25-04-26	26-04-26	27-04-26	28-04-26	29-04-26	30-04-26
DINDIGUL	NATHAM_ISRO	1730-1732(56)	1500-1502(56)	1445-1447-1630-1632(46)	1915-1917(48)	1430-1432-1515-1517(50)	1715-1717(46)	1815-1817(65)	1615-1617(61)	1915-1917(54)	1745-1747(57)
PERIAKULAM	THENI							0130-0132(48)			1800-1802(41)
THOOTHUKUDI	THIRUCHEN-DUR									1315-1317(39)	1645-1647(41)
VIRUDHUNAGAR	VIRUDHU-NAGAR	1645-1647(39)									1900-1902(57)
VJAYNAGARAM	THE NILGIRIS			1030-1033(39)							
NAMAKKAL	NAMAKKAL	2030-2032(39)	1330-1332(44)								
UPASI TEA RESEARCH FOUNDATION	COIMBATORE									1430-1432(39)	
MADUARI_ISRO	MADURAI										1745-1747(39)
COIMBATORE	CLIMATE RESEARCH CENTRE_TNAU										1815-1817(56)
ERODE	ERODE_ISRO										2100-2102(54)
CHENGALPATTU	MAHABALI-PURAM										1200-1202(44)

Table-5: Maximum temperatures $\geq 40^{\circ}\text{C}$ recorded during April 2026

The following stations recorded maximum temperatures $\geq 40^{\circ}\text{C}$ during April 2026 on the dates mentioned against each:

Station	Recorded maximum temperature ($^{\circ}\text{C}$) $\geq 40^{\circ}\text{C}$ during the past 24 hours ending 0830 IST of dates mentioned against each.				
Erode	06 th , 07 th , 16 th , 18 th & 21 st : 40.0		08 th : 40.6	11 th & 17 th : 40.2	20 th : 40.4
	28 th : 41.0				
Karur Paramathi	06 th , 18 th , 21 st & 24 th : 40.0			08 th , 09 th , 11 th , 16 th & 28 th : 41.0	10 th , 12 th , 14 th , 20 th & 22 nd : 40.5
	15 th : 40.8		17 th : 41.2	19 th : 41.5	27 th & 30 th : 40.2
Madurai_AP	05 th , 17 th , 20 th , 23 rd , 24 th , 25 th & 27 th : 40.0		16 th , 21 st , 30 th : 40.2	28 th : 40.4	
Namakkal	08 th : 40.0			28 th : 40.2	
Tiruchirappalli Airport	16 th & 30 th : 40.1		28 th : 40.3	29 th : 40.5	
Vellore	05 th : 40.3	08 th : 42.2	10 th , 14 th & 19 th : 40.1		12 th & 20 th : 41.0
	16 th & 21 st : 40.4		22 nd : 41.9	23 rd : 40.7	

(Note: Realised rainfall and temperature descriptions given above are based on the observations during the past 24 hours ending 08:30 IST of dates mentioned therein.)

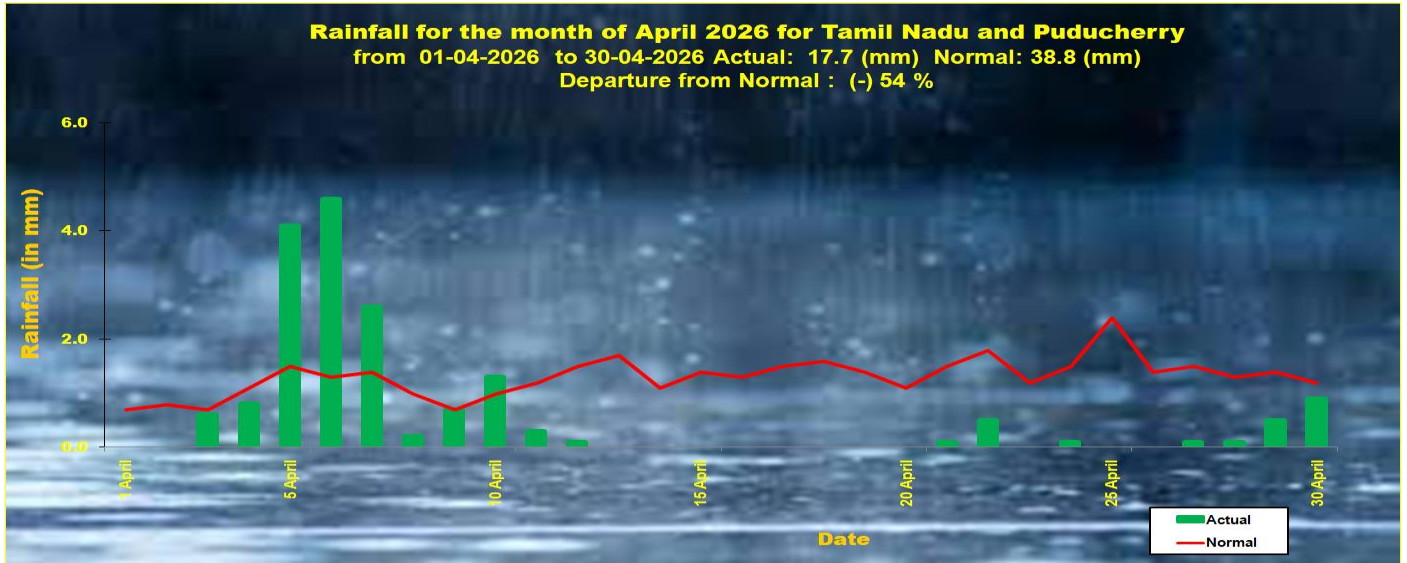


Fig.1: Daily rainfall over the Tamil Nadu subdivision during 01st – 30th April 2026.

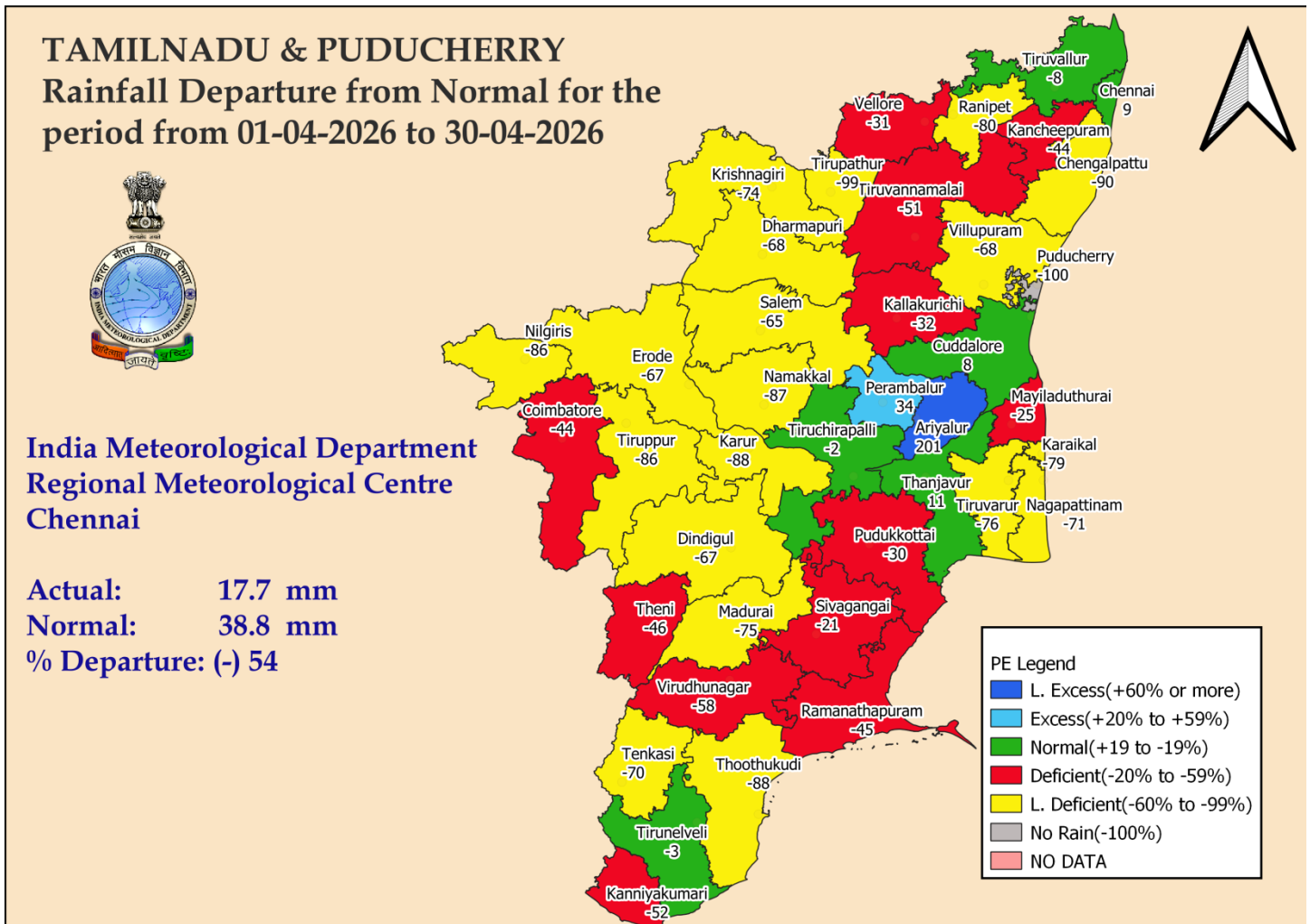


Fig.2: District-wise monthly rainfall performance (as percentage departure from normal) during April 2026



April month cumulative rainfall (mm) from 08:30 IST of 31/03/2026 to 08:30 IST of 30/04/2026



India Meteorological Department
Regional Meteorological Centre, Chennai

Month : April

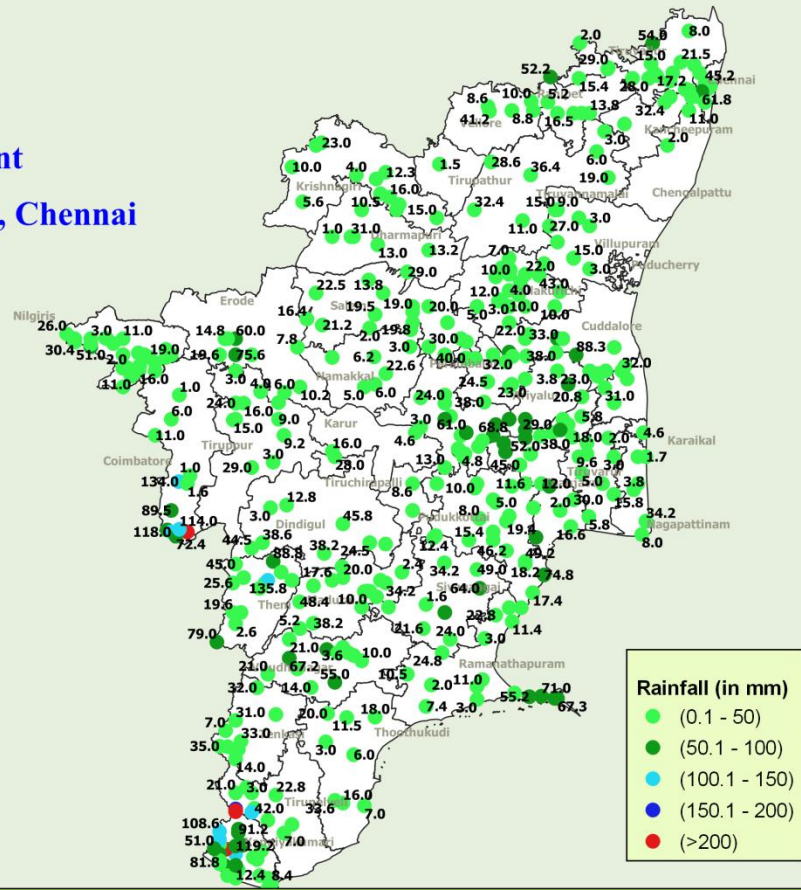
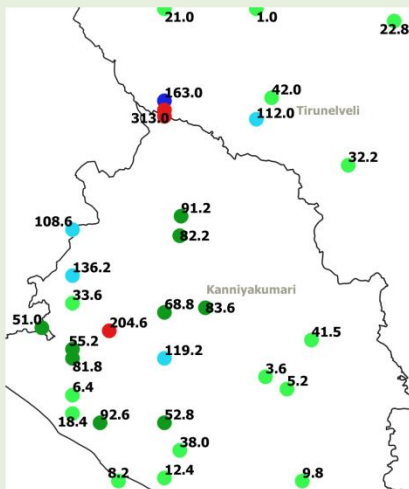


Fig.3: Cumulative daily rainfall over various stations over Tamil Nadu subdivision during April 2026.

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

Description of rainfall with respect to normal:

Rainfall percentage departure from normal	Category
≥ +60%	Large excess
+20% to +59%	Excess
-19% to +19%	Normal
-20% to -59%	Deficient
≤ -60%	Largely deficient

Description of monsoon activity:

Activity	Description
Active	FWS to WS rainfall over the subdivision with rainfall amount 1½ to 4 times the normal and at least 2 stations reporting 5 cm or more along the west coast or 3 cm or more elsewhere
Vigorous	FWS to WS rainfall over the subdivision with rainfall amount more than 4 times the normal and at least 2 stations reporting 8 cm or more along the west coast or 5 cm or more elsewhere