

Weather summery of Tamil Nadu for July-2021

The enhanced phase of MJO (MADDEN-JULIAN-OSCILLATION), which causes convective activity in the tropical belt (15 ° North- 15 ° South latitude) propagated eastward from Indian Ocean to Maritime continent (Southeast Asian countries and adjoining Pacific Ocean) during the month of July-2021.

As per global model forecasts, the neutral ENSO (EL-NINO-SOUTHERN OSCILLATION) conditions likely to continue over Equatorial Pacific Ocean.

Negative IOD (INDIAN OCEAN DIPOLE) likely to continue over the Indian Ocean.

Probabilistic forecast issued by IMD for July 2021 indicated that below normal to normal rainfall activity is likely over some states of peninsular India. But during July, Tamil Nadu meteorological sub-division received an excess rainfall of 50%.

Weather / Synoptic conditions prevailed in Tamil Nadu and adjoining sea areas:

During the first week of July, cyclonic circulations and Southwest monsoon winds caused moderate to heavy rainfall at many places over Tamilnadu. The highest average amount of 90.1 mm rainfall recorded in

Perambalur district (district-wise) and lowest average amount of 5.6 mm recorded in Chennai district.

During the second week of July, East-west shear zone and Southwest monsoon winds caused moderate to heavy rainfall at many places over Tamilnadu. The highest average amount of 105.2 mm rainfall recorded in Coimbatore district (district-wise) and dry weather prevailed over Mayiladuthurai district.

During the third week, cyclonic circulations, East-west shear zone and Southwest monsoon winds caused moderate to heavy rainfall at many places over Tamilnadu. The highest average amount of 119.0 mm rainfall recorded in Nilgiris district (district-wise) and lowest average amount of 0.2 mm recorded in Thoothukudi district.

During the fourth week and last days of the month, no significant weather feature prevailed over Tamil Nadu and adjoining areas. However moderate to heavy rain-spells were reported at few places due to Southwest monsoon current and convective activity. The highest average amount of 209.1 mm rainfall recorded in Nilgiris district (district-wise) and dry weather prevailed over Karur, Madurai and Virudhunagar districts.

Highest rainfall recorded in centimetres during July:
Western ghats: Valparai Pto and Cincona (both from Coimbatore district) 17 each.

In the land area: Kalayanallur (Kallakurichi) 14.

Highest Maximum temperature recorded:

The maximum temperatures were normal in most places and at one or two places especially in Madurai, Trichy and Karur districts recorded three to five degrees Celsius above their normal. Madurai airport recorded 40 degrees Celsius on 29-07-2021.

Fishermen warnings Issued:

For Bay of Bengal, Comorin area and Gulf of Mannar Fishermen warnings were issued 21 days during July 2021 advising them not to venture into sea.

Reported Rainfall, Normal and its percentage departure from normal:

Tamil Nadu and Puducherry as a whole recorded 124.6 mm rainfall, which is 70% excess than its normal value of 73.3 mm and Puducherry recorded 103.3 mm rainfall which is 37% excess than its normal value of 75.6 mm in July.

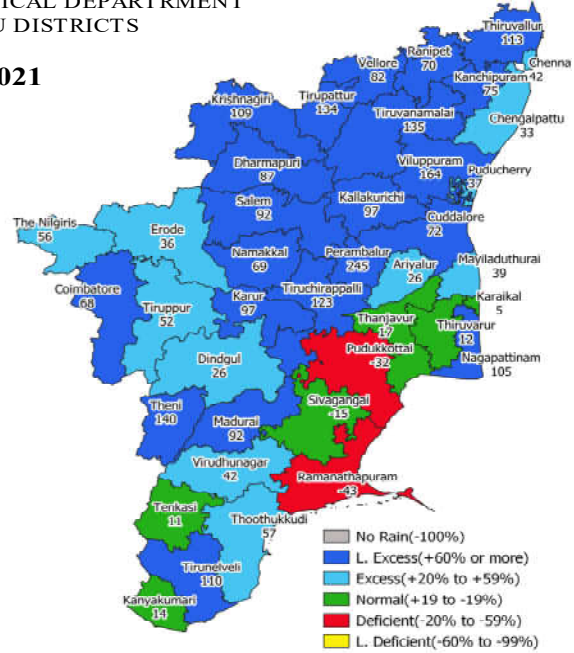
RAINFALL STATEMENT JULY 2021

<i>Districts</i>	<i>Actual (mm)</i>	<i>Normal (mm)</i>	<i>Departure (%)</i>
Ariyalur	84.1	66.5	26
Chengalpattu	140.3	105.6	33
Chennai	162.3	114	42
Coimbatore	395.5	235	68
Cuddalore	118.1	68.5	72
Dharmapuri	129.6	69.2	87
Dindigul	70.9	56.4	26
Erode	64.1	47.3	36
Kallakurichi	155.9	79	97
Kanchipuram	194.1	110.9	75
Kanyakumari	132.4	116.6	14
Karaikal	58.7	56	5
Karur	67.6	34.3	97
Krishnagiri	137.7	66	109
Madurai	121	63.2	92
Mayiladuthurai	74.8	54	39
Nagapattinam	99.8	48.6	105
Namakkal	107	63.1	69
Nilgiris	449.7	288.4	56
Perambalur	150	43.5	245
Puducherry	103.3	75.6	37
Pudukottai	47.5	69.6	-32
Ramanathapuram	14.8	26	-43
Ranipet	189.8	111.7	70
Salem	168	87.5	92
Sivagangai	61.8	72.5	-15
Thenkasi	58.2	52.5	11
Thanjavur	69.2	59.2	17
Theni	122.3	51	140
Tirunelveli	42.6	20.3	110
Tirupathur	197.5	84.5	134
Tiruppur	37.3	24.5	52
Tiruvallur	234	109.8	113
Tiruvannamalai	212.6	90.3	135
Tiruvarur	65.7	58.7	12
Toothukudi	19.1	12.1	57
Tiruchirapalli	102.3	45.9	123
Vellore	205	112.4	82
Villupuram	203.2	77.1	164
Virudhunagar	50	35.1	42
Tamilnadu	124.7	73.3	70
Tamilnadu, Puducherry & Karaikal	124.6	73.3	70



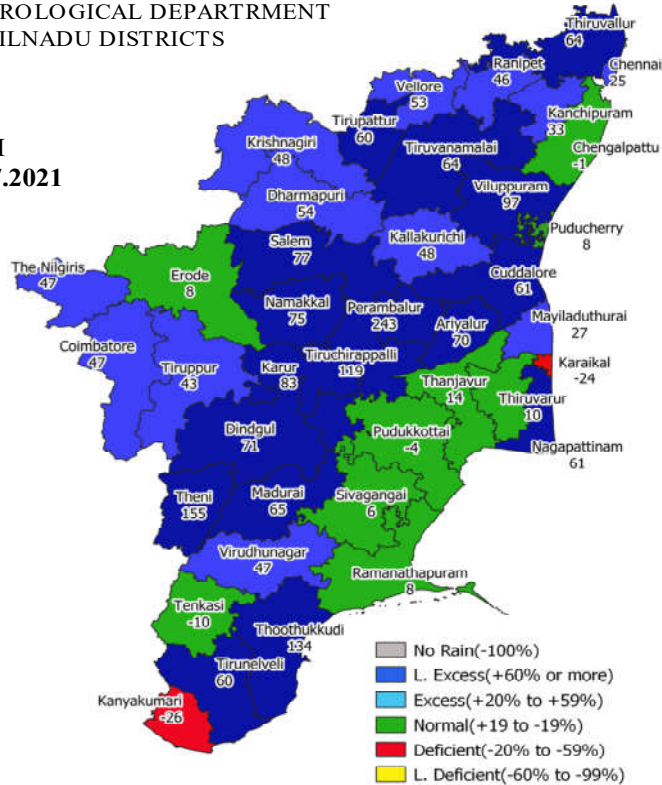
INDIA METEOROLOGICAL DEPARTMENT
TAMILNADU DISTRICTS

JULY 2021



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PERIOD FROM
01.06.2021 TO 31.07.2021



In Total, during June and July, Tamil Nadu and Puducherry as a whole recorded 186.9 mm rainfall, which is 50% excess than its normal value of 125.0 mm and Puducherry recorded 141.8 mm rainfall which is 8% excess than its normal value of 131.6 mm.

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