



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
No. 6, College Road,
Chennai-600006
Phone: 044- 28271951

DATE: Thursday, October 17, 2024 (25 Asvina 1946)

Time of issue: 1300 Hrs IST

DAILY WEATHER REPORT FOR TAMILNADU, PUDUCHERRY & KARAIKAL AREA

Summary of observations over Tamil Nadu, Puducherry and Karaikal 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: Vattanam (dist Ramanathapuram) 6, Tondi (dist Ramanathapuram) 5, Avudayarkoil (dist Pudukkottai), Tiruvadana (dist Ramanathapuram) 4 each, Uthukottai (dist Tiruvallur), Theerthandathanam (dist Ramanathapuram), Pallipattu (dist Tiruvallur), Poonamallee (dist Tiruvallur), Zone 02 D15 Manali (dist Chennai), Taluk Office Pandalur (dist The Nilgiris), Devala (dist The Nilgiris), Zone 01 Thiruvottiyur (dist Chennai), Tiruttani (dist Tiruvallur) 3 each, Tirupathur (dist Sivagangai), Valparai PAP (dist Coimbatore), Zone 02 Manali (dist Chennai), Mimisal (dist Pudukkottai), Valparai Taluk Office (dist Coimbatore), Zone 01 Kathivakkam (dist Chennai), Gummidipoondi (dist Tiruvallur), R.K.Pet (dist Tiruvallur), Tirur KVK AWS (dist Tiruvallur), Ketti (dist The Nilgiris), Kinnakorai (dist The Nilgiris), Thaniamangalam (dist Madurai), Sriperumbudur (dist Kancheepuram), Chinnakalar (dist Coimbatore), Karaikudi (dist Sivagangai), Valparai PTO (dist Coimbatore), Zone 04 Tondiarpet (dist Chennai), Cincona (dist Coimbatore), Kodivery (dist Erode) 2 each, R.K.Pet ARG (dist Tiruvallur), Chennai Collector Office (dist Chennai), Uthagamandalam (dist The Nilgiris), Zone 05 Royapuram (dist Chennai), Cholvaram (dist Tiruvallur), Chembarabakkam (dist Kancheepuram), Sholayar (dist Coimbatore), Poondi (dist Tiruvallur), CD Hospital Tondiarpet (dist Chennai), Tiruttani AWS (dist Tiruvallur), Tiruttani PTO (dist Tiruvallur), Perambalur (dist Perambalur), Minnal (dist Ranipet), Red Hills (dist Tiruvallur), Perambur (dist Chennai), Sivaganga (dist Sivagangai), Poonamallee (dist Tiruvallur), Tiruvallur (dist Tiruvallur), Tambaram (dist Chengalpattu), ARG SAIRAM_INSTITUTION (dist Chengalpattu), Ayanavaram Taluk Office (dist Chennai), Arantangi (dist Pudukkottai), Sivagangai PWD TB (dist Sivagangai), Arakonam (dist Ranipet), Thiruvalangadu (dist Tiruvallur), Upper Gudalur (dist The Nilgiris), Gudalur Bazar (dist The Nilgiris), Barwood (dist The Nilgiris) 1 each.

DESCRIPTION OF TEMPERATURE: (in the plains)

Thoothukudi recorded the highest maximum temperature of **34.5°C**.

Erode recorded the lowest minimum temperature of **16.5°C**

SYNOPTIC METEOROLOGICAL FEATURE:

Yesterday's **depression** over westcentral and adjoining southwest Bay of Bengal moved west-northwestwards and crossed north Tamil Nadu - South Andhra Pradesh coasts between Puducherry and Nellore, close to north of Chennai, near latitude 13.5°N and longitude 80.2°E around 0430 IST of today, the 17th October, 2024. Subsequently, it weakened into a **well marked low pressure area** and lay over South coastal Andhra Pradesh and neighbourhood at 0530 IST of today, the 17th October, 2024. The well marked low pressure area persists over the same region at 0830 IST of today, the 17th October, 2024 and associated cyclonic circulation extends upto 5.8 Km above mean sea level tilting southwestwards with height. It is likely to move west-northwestwards and weaken further into a **low pressure area** during next 06 hours.

A **cyclonic circulation** lies over north Lakshadweep & neighbourhood at 5.8 km above mean sea level.

FORECAST & WARNINGS FOR TAMILNADU AND PUDUCHERRY FOR NEXT SEVEN DAYS

Day 1 (17.10.2024)	Light to moderate rain at a few places with Thunderstorm and lightning at one or two places is likely to occur over Tamilnadu, Puducherry and Karaikal area.
Day 2 (18.10.2024)	Light to moderate rain at a few places with Thunderstorm and lightning at one or two places is likely to occur over Tamilnadu, Puducherry and Karaikal area. Heavy rain is likely to occur at isolated places over Vellore, Tirupattur, Krishnagiri, Dharmapuri, Salem and Erode districts.
Day 3 (19.10.2024)	Light to moderate rain at a few places with Thunderstorm and lightning at one or two places is likely to occur over Tamilnadu, Puducherry and Karaikal area.
Day 4 (20.10.2024)	Light to moderate rain at many places with Thunderstorm and lightning at one or two places is likely to occur over Tamilnadu, Puducherry and Karaikal area. Heavy rain is likely to occur at isolated places over Ghat areas of Coimbatore and Tiruppur districts; Ranipet, Vellore, Tirupattur, Krishnagiri, Dharmapuri, Salem, Tiruchirappalli, Dindigul, Madurai, Pudukkottai, Ariyalur and Perambalur districts.
Day 5 (21.10.2024)	Light to moderate rain at many places with Thunderstorm and lightning at one or two places is likely to occur over Tamilnadu, Puducherry and Karaikal area. Heavy rain is likely to occur at isolated places over Ghat areas of Coimbatore and Tiruppur districts; Ranipet, Vellore, Tirupattur, Krishnagiri, Dharmapuri, Salem, Tiruchirappalli, Dindigul, Madurai, Pudukkottai, Ariyalur and Perambalur districts.
Outlook for subsequent two days	
Day 6 (22.10.2024)	Light to moderate rain is likely to occur at many places over Tamilnadu, Puducherry and Karaikal area.
Day 7 (23.10.2024)	Light to moderate rain is likely to occur at a few places over Tamilnadu, Puducherry and Karaikal area.

HEAVY RAINFALL WARNING

Day 2 (18.10.2024)	Heavy rain is likely to occur at isolated places over Vellore, Tirupattur, Krishnagiri, Dharmapuri, Salem and Erode districts.
Day 4 (20.10.2024) & Day 5 (21.10.2024)	Heavy rain is likely to occur at isolated places over Ghat areas of Coimbatore and Tiruppur districts; Ranipet, Vellore, Tirupattur, Krishnagiri, Dharmapuri, Salem, Tiruchirappalli, Dindigul, Madurai, Pudukkottai, Ariyalur and Perambalur districts.

THUNDERSTORM WARNING

Day 1 (17.10.2024) to Day 5 (21.10.2024)	Thunderstorm with lightning is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area.
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LOCAL FORECAST FOR CHENNAI CITY AND NEIGHBOURHOOD

For next 24 hours	Sky condition is likely to be partly cloudy. Light/ Moderate with thunderstorm & lightning is likely to occur in some areas. Maximum temperature is likely to be 33-34°C and Minimum temperature is likely to be 25-26°C .
For next 48 hours	Sky condition is likely to be partly cloudy. Light/ Moderate with thunderstorm & lightning is likely to occur in some areas. Maximum temperature is likely to be 33-34°C and Minimum temperature is likely to be 25-26°C .

P. SENTHAMARAI KANNAN
SCIENTIST 'F'

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

OBSERVATIONS RECORDED AT 0830 HRS IST OF DATE:17-10-2024 (25 Asvina 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	1-10-2024	mm	
Adiramapattinam	31.2	-1.4	24.5	-0.2	85	3	5.3	193.2	98.3	75	124	r*
Chennai	27.1	-5.8	24.0	-1.2	92	11	3.3	301.9	210.1	108	140	r*
Chennai_AP	27.8	-5.1	24.2	-0.6	85	5	0.2	258.2	165.1	109	138	
Coimbatore_AP	28.2	-3.6	22.2	0.0	74	-9	5.3	139.3	81.5	49	59	r*
Coonoor	19.5	-2.0	14.2	-0.1	91	7	0.5	174.9	13.1	131	159	
Cuddalore	30.0	-2.4	24.6	-0.1	92	8	0.0	185.2	95.8	82	134	
Dharmapuri	27.5	-3.4	22.2	0.0	90	8	0.0	141.0	39.3	67	91	
Erode	30.8	-2.7	16.5	-5.7	85	15	0.6	183.2	--	59	--	r*
Kanyakumari	32.5	1.8	25.3	0.8	78	-3	0.0	42.7	-10.6	63	75	
KarurParamathi	30.5	-0.6	20.0	-3.2	87	4	0.0	203.8	138.9	69	59	
Karaikal	31.5	-0.8	25.5	0.3	78	-5	tr	150.8	70.7	65	150	d*
Kodaikanal	17.9	-0.1	11.4	0.1	90	4	0.6	218.1	91.9	122	158	r*
Madurai_City	32.0	-1.2	23.2	-0.3	75	-3	0.0	215.2	--	65	--	
Madurai_AP	33.7	0.1	24.6	0.6	69	-7	tr	123.6	43.8	46	85	d*
Nagapattinam	32.7	0.2	25.0	-0.3	80	-5	0.0	70.8	-2.4	59	143	
Namakkal	30.8	--	23.1	--	71	--	0.0	2.5	--	45	--	
Palayamkottai	34.0	0.2	25.3	0.5	80	1	0.0	22.0	-32.3	39	73	
Pamban	32.6	0.0	26.4	0.2	73	-6	0.0	189.0	139.6	55	91	
Parangipettai	28.5	--	26.5	--	91	--	0.0	133.4	51.5	59	139	
Puducherry	31.4	-1.2	25.6	1.0	84	-1	0.0	155.1	56.9	94	134	
Salem	29.6	-2.5	22.2	-0.6	83	0	0.0	277.8	167.1	105	102	z*
Thanjavur	32.0	--	26.8	--	81	--	0.0	95.5	3.8	40	95	
Thirupattur	26.4	-4.7	22.6	0.5	79	-5	1.2	196.6	116.4	87	95	r*
Tiruchirappalli_AP	32.1	-1.2	24.0	-0.7	81	1	0.0	258.5	193.3	76	87	m*
Tiruthani	25.8	-5.8	23.0	-0.5	78	-1	12.4	110.8	30.7	90	101	r*
Tondi	32.5	0.0	23.7	-1.2	84	5	52.8	246.0	167.6	84	88	r*
Thoothukudi	34.5	2.0	25.7	1.1	73	-8	0.0	42.7	-10.9	32	63	
Udagamandalam	16.1	-2.9	12.2	1.5	98	8	14.2	84.8	-10.5	101	116	r*
Valparai	22.5	-3.1	16.5	-0.5	96	4	17.0	265.0	114.7	378	290	r*
Vellore	28.2	-4.2	24.0	0.9	89	5	tr	138.7	58.3	87	103	d*

*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

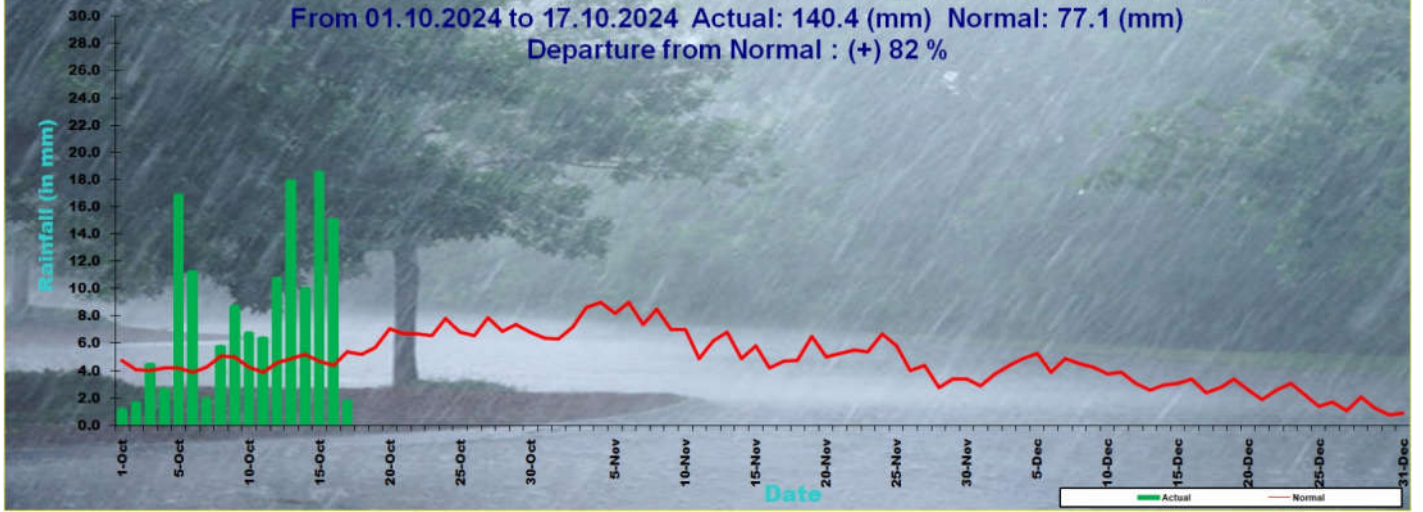
Districtwise daily / seasonal rainfall distribution for Tamil Nadu & Puducherry

NORTHEAST MONSOON RAINFALL 2024		17.10.2024			From 01.10.2024 to 17.10.2024		
CODE	NAME	ACTUAL in mm**	NORMAL in mm	PDN*	ACTUAL in mm	NORMAL in mm	PDN*
	STATES						
31	TAMIL NADU	1.7	5.4	-68	140.4	77.1	82
	MET. SUBDIVISIONS						
31	TAMIL NADU & PUDUCHERRY						
534	ARIYALUR	0.0	4.2	-100	112.6	71.9	57
687	CHENGALPATTU	1.2	9.3	-87	179.2	87.0	106
461	CHENNAI	5.0	8.1	-38	286.1	91.0	214
462	COIMBATORE	5.4	5.7	-5	200.6	78.2	157
463	CUDDALORE	0.0	5.0	-99	155.3	80.8	92
464	DHARMAPURI	0.0	4.6	-100	137.7	93.6	47
465	DINDIGUL	0.2	7.3	-98	186.0	93.3	99
466	ERODE	1.7	5.2	-68	134.9	74.6	81
688	KALLAKURICHI	0.0	3.4	-100	119.8	75.3	59
467	KANCHEEPURAM	5.3	8.1	-34	126.5	85.7	48
468	KANYAKUMARI	0.4	9.6	-95	104.1	121.0	-14
636	KARAIKAL	0.0	6.3	-100	150.8	80.1	88
469	KARUR	0.0	5.4	-100	165.4	64.4	157
470	KRISHNAGIRI	0.1	3.2	-98	148.0	94.8	56
471	MADURAI	1.4	7.3	-81	164.8	82.4	100
695	MAYILADUTHURAI	0.0	5.8	-100	105.8	78.0	36
472	NAGAPATTINAM	0.5	6.5	-93	64.5	71.2	-9
473	NAMAKKAL	0.4	4.7	-92	150.7	69.9	116
474	NILGIRIS	6.5	8.8	-26	162.9	109.3	49
475	PERAMBALUR	1.1	3.5	-69	112.1	70.4	59
476	PUDUCHERRY	0.0	4.6	-100	155.1	98.2	58
477	PUDUKKOTTAI	3.3	3.5	-5	161.9	59.2	173
478	RAMANATHAPURAM	10.3	4.8	114	153.5	65.4	135
689	RANIPET	2.8	4.0	-31	102.0	72.5	41
479	SALEM	0.0	5.7	-100	146.2	88.2	66
480	SIVAGANGA	7.8	5.6	40	227.5	83.8	172
690	TENKASI	0.5	7.2	-93	29.5	65.6	-55
481	THANJAVUR	0.2	4.2	-95	140.8	67.8	108
482	THENI	0.3	8.1	-96	76.2	80.7	-6
483	TIRUNELVELI	0.1	5.4	-98	41.6	47.2	-12
691	TIRUPATTUR	0.2	3.4	-94	190.6	74.8	155
535	TIRUPPUR	0.1	4.7	-98	179.5	66.6	169
484	TIRUVALLUR	13.0	7.0	86	225.0	81.2	177
485	TIRUVANNAMALAI	0.0	4.6	-100	130.7	88.5	48
486	TIRUVARUR	0.4	4.7	-91	105.3	69.6	51
488	TOOTHUKUDI	0.0	6.1	-100	37.9	49.3	-23
487	TRICHY	0.0	5.3	-100	152.5	70.8	115
489	VELLORE	1.2	3.5	-64	111.4	78.9	41
490	VILLUPURAM	0.0	3.6	-100	149.2	73.3	103
491	VIRUDHUNAGAR	0.0	6.1	-100	106.9	73.5	45
	SUBDIVISION RAINFALL	1.7	5.4	-69	140.4	77.1	82
LEGEND	PDN*	Percentage Departure from Normal					
	**	Rainfall for the 24 hrs ending at 0830 hrs of date					

Northeast Monsoon Rainfall 2024 for Tamilnadu and Puducherry

From 01.10.2024 to 17.10.2024 Actual: 140.4 (mm) Normal: 77.1 (mm)

Departure from Normal : (+) 82 %



Realised Maximum Temperature (°C) in the past 24 Hrs (upto 0830 IST of 17/10/2024) and its departure from normal(°C)



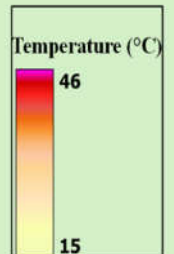
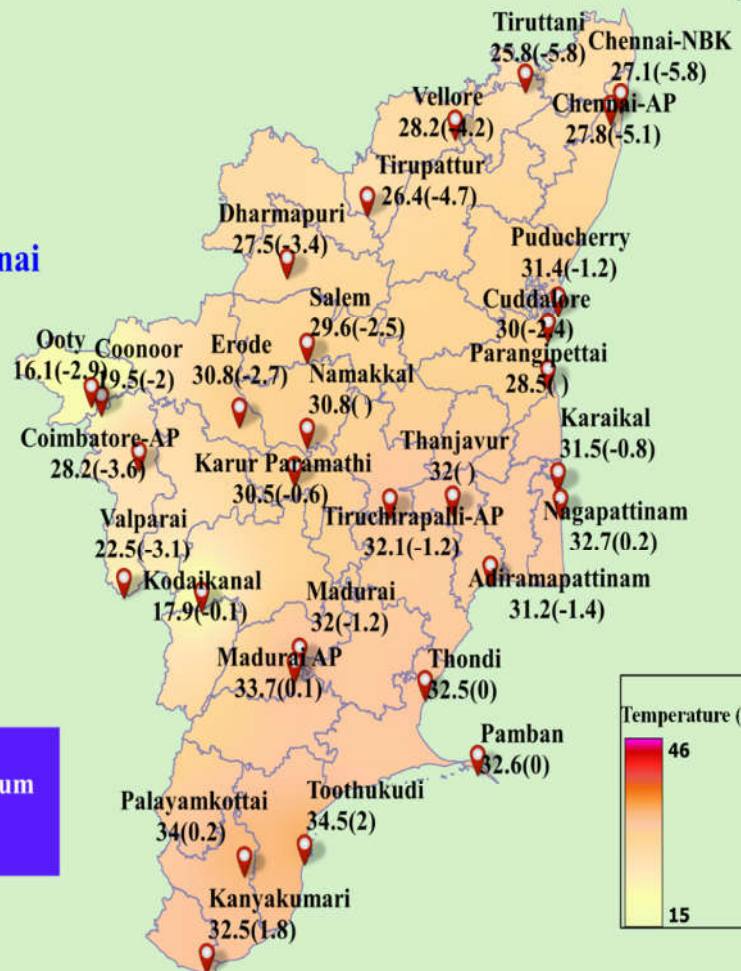
India Meteorological Department

Regional Meteorological Centre, Chennai

Date: 17/10/2024

The highest temperature recorded : 34.5°C
Place : Toothukudi

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 17/10/2024) and its departure from normal(°C)



India Meteorological Department
Regional Meteorological Centre, Chennai

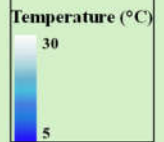
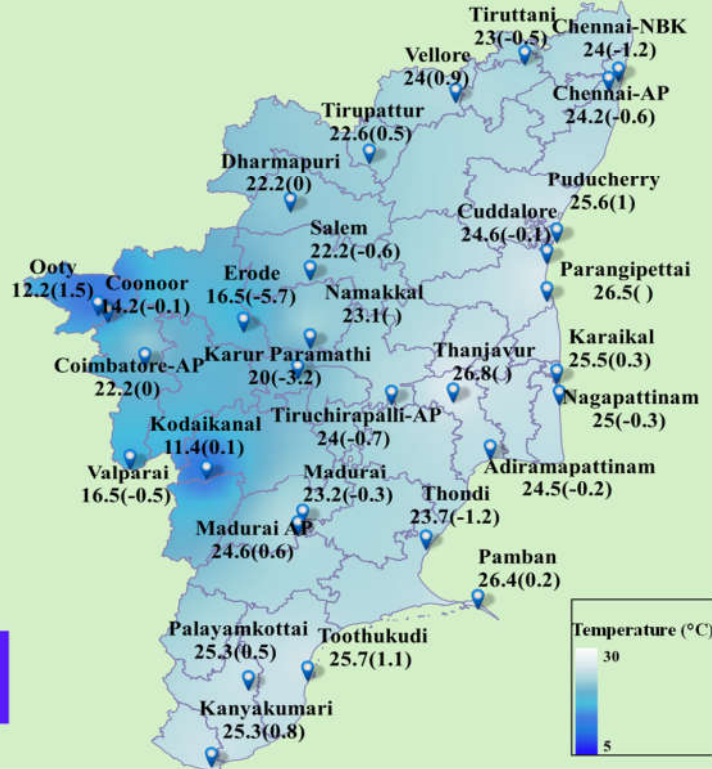
Date : 17/10/2024

The lowest temperature recorded in the plains : 16.5° C

Place : Erode

The lowest temperature recorded in the hilly region : 11.4° C

Place : Kodaikanal



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



Realised rainfall (mm) during the past 24 hours (upto 08:30 IST of 17/10/2024)

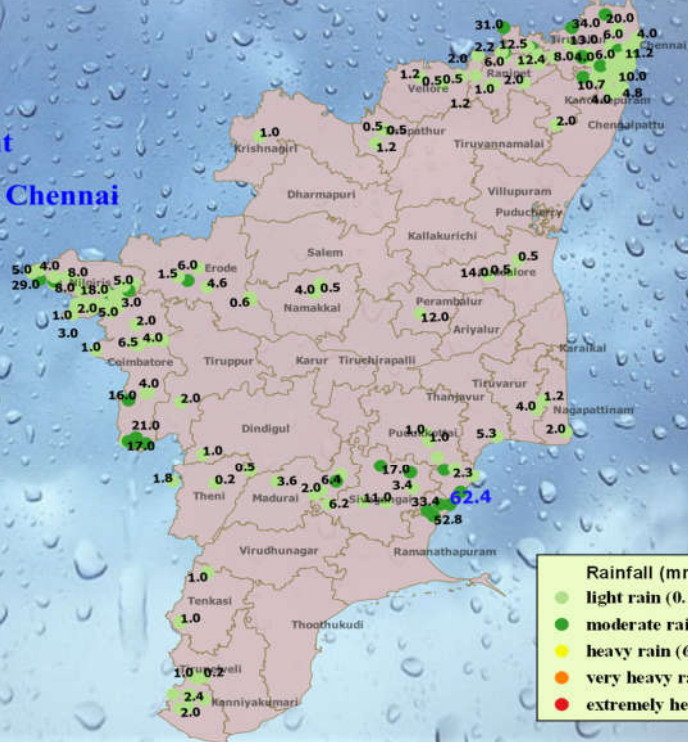


India Meteorological Department
Regional Meteorological Centre, Chennai

Date : 17/10/2024

Highest Rainfall recorded(mm): 62.4

Place: VATTANAM (RAMANATHAPURAM)



HEAVY RAINFALL WARNINGS

DAY 2 (18.10.2024)

Heavy Rainfall Warnings dated 17/10/2024 for Tamilnadu, Puducherry & Karaikal



India Meteorological Department
Regional Meteorological Centre
Chennai

For Day 2: 18.10.24



Warnings

- Watch (Be Updated)
- Alert (Be Prepared)
- Warning (Take Action)
- No Warning (No Action)

Rainfall (mm)

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

DAY 4 (20.10.2024)

Heavy Rainfall Warnings dated 17/10/2024 for Tamilnadu, Puducherry & Karaikal



India Meteorological Department
Regional Meteorological Centre
Chennai

For Day 4: 20.10.24



Warnings

- Watch (Be Updated)
- Alert (Be Prepared)
- Warning (Take Action)
- No Warning (No Action)

Rainfall (mm)

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

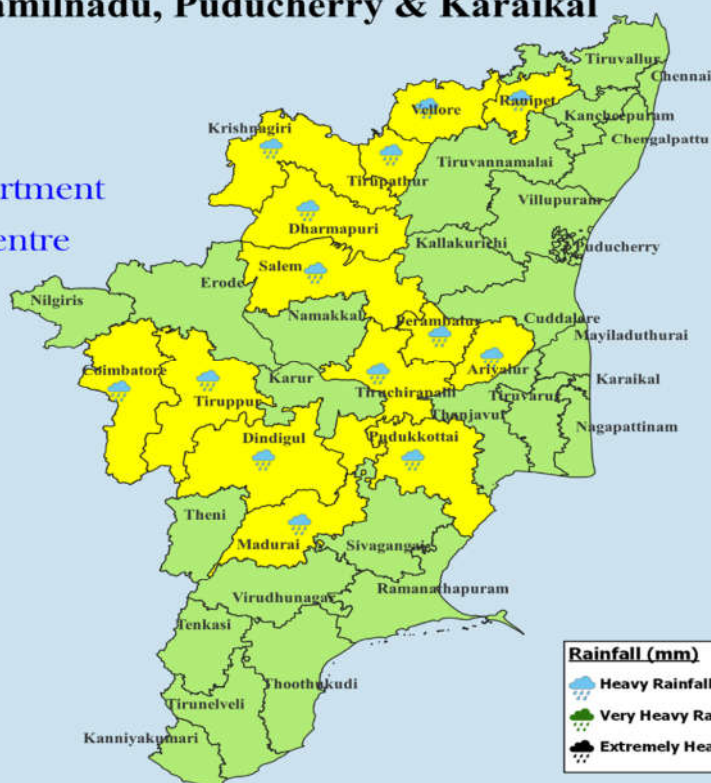
DAY 5 (21.10.2024)

Heavy Rainfall Warnings dated 17/10/2024 for Tamilnadu, Puducherry & Karaikal



India Meteorological Department
Regional Meteorological Centre
Chennai

For Day 5: 21.10.24



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