



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,
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Phone: 044- 28271951

DATE: 13 October 2024 **Time of Issue: 2030 Hrs IST**

FROM: AREA CYCLONE WARNING CENTRE, CHENNAI (044-28271951)
TO: Commissioner of Revenue Administration (Tamil Nadu)
Commissioner of Greater Chennai Corporation
IS - Inspector control room
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Synoptic Meteorological Features:

The line of withdrawal of Southwest Monsoon now passes through 28.5°N/89.5°E, 27.0°N/90.0°E Dhubri, Tura, 22°N/89°E, 20°N/87°E, Gopalpur, Raipur, 22.5°N/79.5°E, Khargone, Nandurbar, Navsari and 20°N/70°E..

Southwest Monsoon is likely to withdraw from remaining parts of the country during subsequent 2 days. Simultaneously with the setting in of easterly & northeasterly winds over southern peninsular India, south & adjoining central Bay of Bengal, the Northeast Monsoon rainfall activity is likely to commence over south east peninsular region during the same period.

Morning's **cyclonic circulation** over southeast Bay of Bengal extending upto 5.8 km above mean sea level persists. Under its influence, a low pressure area is likely to form over central parts of south Bay of Bengal around 14th October. It is likely to become Well marked low pressure area and move westnorthwestwards towards north Tamilnadu, Puducherry and adjoining south Andhra Pradesh coasts during subsequent 48 hours.

A **trough** runs from the above cyclonic circulation over southeast Bay of Bengal to south Coastal Andhra Pradesh and extends upto 7.1 km above mean sea level.

Morning's **Well Marked Low pressure area** over eastcentral & adjoining westcentral Arabian sea moved west-northwestwards, intensified into a Depression and lay centred at 1200 UTC of today, the 13th October, 2024 over central Arabian Sea near latitude 15.6°N and longitude 65.0°E, about 860 km southeast of Masirah (Oman), 1180 km east of Salalah (Oman) and 1380 km east of Al Ghaidah (Yemen). It is likely to move west-northwestwards towards Oman coast during next 2 days.

Morning's **trough** now runs from centre of the **Depression** over central Arabian Sea to Comorin area across south Kerala and cyclonic circulation over Tamil Nadu between 3.1 km & 5.8 km above mean sea level.

FORECAST & WARNINGS FOR TAMILNADU AND PUDUCHERRY FOR NEXT SEVEN DAYS

Day 1 (13.10.2024)	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 to very heavy rain is likely to occur at isolated places over Thanjavur, Tiruvarur, Madurai, Theni and Virudhunagar districts. Heavy rain is likely to occur at isolated places over Dharmapuri, Salem, Nilgiris, Erode, Namakkal, Ariyalur, Perambalur, Tiruchirapalli, Karur, Tiruppur, Coimbatore, Dindigul, Pudukkottai, Nagapattinam, Sivagangai and Ramanathapuram districts.
Day 2 (14.10.2024)	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.

	<p>Heavy to very heavy rain is likely to occur at isolated places over Villupuram, Cuddalore, Ariyalur, Perambalur, Mayiladuthurai, Thanjavur, Tiruvarur, Pudukkottai, Nagapattinam districts and Puducherry & Karaikal.</p> <p>Heavy rain is likely to occur at isolated places over, Chennai, Tiruvallur, Kancheepuram, Ranipet, Chengalpattu, Tiruvannamalai, Kallakurichi, Tiruchirapalli, Sivagangai and Ramanathapuram districts.</p>
Day 3 (15.10.2024)	<p>Light to moderate rain at a few places(at many places over North Tamilnadu and at a few places over South Tamilnadu) with Thunderstorm and lightning at one or two places is likely to occur over Tamilnadu, Puducherry and Karaikal area.</p> <p>Heavy to very heavy rain is likely to occur at isolated places over Chennai, Tiruvallur, Kancheepuram, Ranipet, Chengalpattu, Tiruvannamalai, Kallakurichi, Cuddalore districts and Puducherry.</p> <p>Heavy rain is likely to occur at isolated places over Vellore, Tirupattur, Krishnagiri, Dharmapuri, Salem, Erode, Ariyalur, Perambalur, Thanjavur, Tiruvarur, Nagapattinam, Mayiladuthurai districts and Karaikal area.</p>
Day 4 (16.10.2024)	<p>Light to moderate rain at many places (at most places over North Tamilnadu and at a few places over South Tamilnadu) with Thunderstorm and lightning at one or two places is likely to occur over Tamilnadu, Puducherry and Karaikal area.</p> <p>Heavy to very heavy rain with extremely heavy rain at isolated places is likely to occur over Chennai, Tiruvallur, Kancheepuram and Chengalpattu districts.</p> <p>Heavy to very heavy rain is likely to occur at isolated places over Ranipet, Tiruvannamalai, Villupuram districts and Puducherry.</p> <p>Heavy rain is likely to occur at isolated places over Vellore, Tirupattur, Krishnagiri, Dharmapuri, Salem, Kallakurichi and Cuddalore districts.</p>
Day 5 (17.10.2024)	<p>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.</p> <p>Heavy to very heavy rain is likely to occur at isolated places over Tiruvallur, Ranipet, Vellore, Tirupattur and Krishnagiri districts.</p> <p>Heavy rain is likely to occur at isolated places over Chennai, Kancheepuram, Tiruvannamalai, Dharmapuri, Salem and Erode districts.</p>
Outlook for subsequent two days	
Day 6 (18.10.2024)	<p>Light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area.</p>
Day 7 (19.10.2024)	<p>Light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area.</p>

HEAVY RAINFALL WARNING	
Day 1 (13.10.2024)	<p>Heavy to very heavy rain is likely to occur at isolated places over Thanjavur, Tiruvarur, Madurai, Theni and Virudhunagar districts.</p>
	<p>Heavy rain is likely to occur at isolated places over Dharmapuri, Salem, Nilgiris, Erode, Namakkal, Ariyalur, Perambalur, Tiruchirapalli, Karur, Tiruppur, Coimbatore, Dindigul, Pudukkottai, Nagapattinam, Sivagangai and Ramanathapuram districts.</p>
Day 2 (14.10.2024)	<p>Heavy to very heavy rain is likely to occur at isolated places over Villupuram, Cuddalore , Ariyalur, Perambalur, Mayiladuthurai, Thanjavur, Tiruvarur, Pudukkottai, Nagapattinam districts and Puducherry & Karaikal.</p>
	<p>Heavy rain is likely to occur at isolated places over, Chennai, Tiruvallur, Kancheepuram, Ranipet, Chengalpattu, Tiruvannamalai, Kallakurichi, Tiruchirapalli, Sivagangai and Ramanathapuram districts.</p>
Day 3 (15.10.2024)	<p>Heavy to very heavy rain is likely to occur at isolated places over Chennai, Tiruvallur, Kancheepuram, Ranipet, Chengalpattu, Tiruvannamalai, Kallakurichi, Cuddalore districts and Puducherry.</p>
	<p>Heavy rain is likely to occur at isolated places over Vellore, Tirupattur, Krishnagiri, Dharmapuri, Salem, Erode, Ariyalur, Perambalur, Thanjavur, Tiruvarur, Nagapattinam, Mayiladuthurai districts and Karaikal area.</p>

Day 4 (16.10.2024)	Heavy to very heavy rain with extremely heavy rain at isolated places is likely to occur over Chennai, Tiruvallur, Kancheepuram and Chengalpattu districts.
	Heavy to very heavy rain is likely to occur at isolated places over Ranipet, Tiruvannamalai, Villupuram districts and Puducherry.
	Heavy rain is likely to occur at isolated places over Vellore, Tirupattur, Krishnagiri, Dharmapuri, Salem, Kallakurichi and Cuddalore districts.
Day 5 (17.10.2024)	Heavy to very heavy rain is likely to occur at isolated places over Tiruvallur, Ranipet, Vellore, Tirupattur and Krishnagiri districts.
	Heavy rain is likely to occur at isolated places over Chennai, Kancheepuram, Tiruvannamalai, Dharmapuri, Salem and Erode districts.

THUNDERSTORM WARNING	
Day 1 (13.10.2024) to Day 5 (17.10.2024)	Thunderstorm with lightning is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area.

LOCAL FORECAST FOR CHENNAI CITY AND NEIGHBOURHOOD	
For next 24 hours	Sky condition is likely to be partly cloudy. Light/Moderate rain 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 26-27°C .
For next 48 hours	Sky condition is likely to be generally cloudy. Moderate/Heavy rain with thunderstorm & lightning is likely to occur in some areas. Maximum temperature is likely to be 32-33°C and Minimum temperature is likely to be 26-27°C .

P. SENTHAMARAI KANNAN
SCIENTIST 'F'
For Deputy Director General of Meteorology,
Regional Meteorological Centre, Chennai.

LEGEND

Day: 08:30 IST to 08:30 IST of next day

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

North Tamil Nadu (NTN) districts	Chennai, Kancheepuram, Chengalpattu, Tiruvallur, Cuddalore, Villupuram, Kallakurichi, Thanjavur, Tiruvarur, Nagapattinam, Pudukottai, Vellore, Thirupattur, Ranipet, Tiruvannamalai, Krishnagiri, Salem, Dharmapuri, Namakkal, Nilgiris, Tiruppur, Coimbatore, Erode, Karur, Tiruchirapalli, Ariyalur, Perambalur.
South Tamil Nadu (STN) districts	Ramanathapuram, Tirunelveli, Thenkasi, Thoothukudi, Theni, Kanyakumari, Sivagangai, Virudhunagar, Dindigul, Madurai.
Interior Tamil Nadu (ITN) districts	Vellore, Thirupattur, Ranipet, Tiruvannamalai, Krishnagiri, Dharmapuri, Salem, Namakkal, Nilgiris, Tiruppur, Coimbatore, Erode, Karur, Tiruchirapalli, Ariyalur, Perambalur, Sivagangai, Virudhunagar, Theni, Dindigul, Madurai, Thenkasi.

North interior Tamil Nadu (NITN) districts	Vellore, Kancheepuram, Tiruvannamalai, Krishnagiri, Dharmapuri, Salem, Namakkal, Nilgiris, Tiruppur, Coimbatore, Erode, Karur, Tiruchirapalli, Ariyalur, Perambalur.
South interior Tamil Nadu (SITN) districts	Sivagangai, Virudhunagar, Theni, Dindigul, Madurai, Thenkasi.
Coastal Tamil Nadu (CTN) districts	Chennai, Chengalpattu, Tiruvallur, Cuddalore, Villupuram, Kallakurichi, Thanjavur, Tiruvarur, Nagapattinam, Pudukottai, Ramanathapuram, Tirunelveli, Thoothukudi, Kanyakumari.
North Coastal Tamil Nadu (NCTN) districts	Chennai, Chengalpattu, Tiruvallur, Cuddalore, Villupuram, Kallakurichi, Thanjavur, Tiruvarur, Nagapattinam, Pudukottai.
South Coastal Tamil Nadu (SCTN) districts	Ramanathapuram, Tirunelveli, Thoothukudi, Kanyakumari.
Delta districts	Thanjavur, Tiruvarur, Nagapattinam.
PDC	Puducherry.

For more details visit www.mausam.imd.gov.in/chennai