

இந்திய அரசு  
இந்திய வானிலை ஆய்வு துறை  
மண்டல வானிலை ஆய்வு மையம்  
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GOVERNMENT OF INDIA  
INDIA METEOROLOGICAL DEPARTMENT  
**Regional Meteorological Centre**  
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Date: 15<sup>th</sup> November 2023

Time of Issue: 13:30 IST

From: REGIONAL METEOROLOGICAL CENTRE, CHENNAI

To:

The Commissioner of Revenue Administration, Govt of Tamilnadu  
The Special branch CID, O/o the DGP Campus, Mylapore  
The Commissioner of Chennai /IS- INSPECTOR CONTROLROOM /  
The Commissioner of Greater Chennai Corporation  
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The Commissioner of fisheries  
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The Chief Secretary, Puducherry  
The Commissioner-cum-Secretary (Revenue), Puducherry  
The Special Secretary to Government-cum- District Collector,  
Puducherry The District Collector, Karaikal  
([cs.pon@nic.in](mailto:cs.pon@nic.in), [secyfin.pon@nic.in](mailto:secyfin.pon@nic.in), [dcrev.pon@nic.in](mailto:dcrev.pon@nic.in), [collr.kkl@nic.in](mailto:collr.kkl@nic.in))

**Special message: Enhanced rainfall activity over Tamilnadu, Puducherry & Karaikal  
& Depression over Westcentral Bay of Bengal**

**1. Summary of rainfall during the past two days (24-hr ending 0830 IST of 14<sup>th</sup> & 15<sup>th</sup> Nov 2023) :**

Rainfall occurred at *most/many* places over north coastal Tamilnadu, at *many/ a few* places over north Interior Tamilnadu and at *one or two* places over south Tamilnadu; Puducherry & Karaikal during the past 48 hours ending 0830 IST of 15.11.2023.

**Heavy to very heavy** rainfall occurred at *a few* places over **Nagapattinam, Tiruvarur & Cuddalore** districts and over Karaikal & Puducherry during the 24-hr ending 08:30 IST of 14.11.2023; at *a few* places over **Chennai** district during the 24-hr ending 08:30 IST of 15.11.2023.

**Isolated heavy** rain also occurred over **Mayiladuthurai, Villupuram and Chengalpattu** districts during the 24-hr ending 0830 IST of 14<sup>th</sup>; and over **Nagapattinam, Karaikal, Mayiladuthurai, Cuddalore, Chengalpattu, Kanchipuram** districts during the 24-hr ending 08:30 IST of 15<sup>th</sup> Nov 2023.

**Velankanni** in Nagapattinam district recorded the highest rainfall amount of **17 cm** (165.7 mm) during the 24-hr ending 08:30 IST of 14.11.2023; and **Chennai-Mylapore(DGP office)** recorded **19 cm** (190.3 mm) during the 24-hr ending 08:30 IST of 15.11.2023.

## 2. Current Synoptic situation:

(i) Yesterday's upper air cyclonic circulation over Southwest Bay of Bengal & adjoining Sri Lanka lay at 0830 IST of today, the 15<sup>th</sup> November, over North Sri Lanka and neighbourhood and extends up to middle tropospheric levels.

(ii) Yesterday's **Low Pressure Area** over southeast Bay of Bengal and adjoining Andaman areas moved west-northwestwards, **concentrated into a Depression** and lay centred at 0830 hours IST of today, the 15<sup>th</sup> November over Westcentral Bay of Bengal near latitude 14.5°N and longitude 86.8°E, about 510 km southeast of Visakhapatnam (Andhra Pradesh), 650 km south-southeast of Paradip (Odisha) and 790 km south of Digha (West Bengal). It is likely to move initially northwestwards, then north-northwestwards and intensify into a **Deep Depression** over Westcentral Bay of Bengal off Andhra Pradesh coast in the morning of 16<sup>th</sup> November. Thereafter, it would recurve north-northeastwards and reach over Northwest Bay of Bengal off Odisha coast on 17<sup>th</sup> morning & off North Odisha-West Bengal coasts on 18<sup>th</sup> November morning

(iii) A trough runs from the cyclonic circulation over north Sri Lanka & neighbourhood to the cyclonic circulation associated with the Depression over Westcentral Bay of Bengal at and extends upto 3.1 km above mean sea level.

## 3. Rainfall forecast & Heavy rainfall warning for the next 24 hours ending 08:30 IST of 15.11.2023:

Date	Spatial rainfall forecast	Heavy rainfall warning
15.11.2023	Rainfall at <i>many</i> places over coastal Tamilnadu, Puducherry & Karaikal areas and at a few places over interior Tamilnadu.	Heavy rain is likely to occur at isolated places over Chengalpattu, Villupuram, Cuddalore, Kallakurichi, Nagapattinam, Tiruvarur, Thanjavur, Pudukkottai and Mayiladuthurai districts of Tamilnadu, Puducherry and Karaikal areas.

## 4. Fishermen warning:

Day-1 (15.11.2023): Squally weather with wind speed 40-45 kmph gusting to 55 kmph is likely to prevail along and off Tamilnadu coast, Gulf of Mannar, Southwest Bay of Bengal. Squally weather with wind speed 50-60 kmph gusting to 70 kmph is likely to prevail over Westcentral Bay of Bengal. Squally weather with wind speed 45-55 kmph gusting to 65 kmph is likely to prevail over Northwest Bay of Bengal adjoining the Westcentral Bay of Bengal.

Day-2 (16.11.2023): Squally weather with wind speed 40-45 kmph gusting to 55 kmph is likely to prevail along and off Tamilnadu coast, Gulf of Mannar and Southwest Bay of Bengal; squally weather with wind speed 45-55 kmph gusting to 65 kmph is likely to prevail over parts of westcentral Bay of Bengal, along and off Odisha and adjoining north Andhra Pradesh coasts; squally weather with wind speed 50-60 kmph gusting to 70 kmph is likely to prevail over Northwest adjoining Westcentral Bay of Bengal.

Day-3 (17.11.2023): Squally weather with wind speed 50-60 kmph gusting to 70 kmph over north Bay of Bengal, along and off north Odisha, West Bengal adjoining Bangladesh coasts.

Day-4 (18.11.2023): Squally weather with wind speed 45-55 kmph gusting to 65 kmph over north Bay of Bengal, along and off north Odisha, West Bengal and adjoining Bangladesh coasts.

**Fishermen are advised not to venture into the above mentioned areas on the dates given above.**

#### **5. Port warnings:**

**Distant Cautionary Signal Number-1** kept hoisted at all ports in Tamilnadu, Puducherry & Karaikal.

IMD is continuously monitoring the weather situation and updates would be sent as and when required.

**Dr.S.Balachandran**  
**Scientist-G & Head**  
**Regional Meteorological Centre, Chennai**

#### **LEGEND:**

Spatial rainfall distribution:

<b>% Stations reporting Rainfall</b>	<b>Category</b>
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:

<b>24-hr accumulated rainfall (cm/day)</b>	<b>Category</b>
Upto 1	Light rain
2-6	Moderate rain
7-11	Heavy rain
12-20	Very heavy rain
$\geq 21$	Extremely heavy rain





