

இந்திய அரசு
இந்திய வானிலை ஆய்வு துறை
மண் டல வானிலை ஆய்வு மையம்
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GOVERNMENT OF INDIA
INDIA METEOROLOGICAL DEPARTMENT
Regional Meteorological Centre
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Date: 10th December 2022

Time of Issue: 09:00 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 (tnstateec1@gmail.com,
tn.relief@gmail.com, iscrcni@gmail.com,
sbcid.city@gmail.com, commissioner@chennaicorporation.gov.in,
tndgpcontrolroom@gmail.com)
The Commissioner of fisheries
(tnfisheries@nic.in, FisheriesTamilNadu@coffisheries@gmail.com)
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, secyfin.pon@nic.in, dcrev.pon@nic.in, collr.kkl@nic.in)

Sub.: Cyclonic Storm “Mandous” weakened into a Deep Depression over north Tamil Nadu.

The cyclonic storm “Mandous” pronounced as “Man-Dous” over north coastal Tamil Nadu moved northwestwards with a speed of 15 kmph during past 06 hours and weakened into a Deep Depression over north Tamil Nadu and lay centered at 0530 hrs IST of 10th December near latitude 13.0°N and longitude 79.7°E, about 70 km northwest of Mamallapuram (Mahabalipuram) and 50 km west of Chennai.

It is very likely to move nearly west-northwestwards and gradually weaken into a Depression by noon of 10th December.

Under its influence, light to moderate rainfall at most places with **heavy to very heavy** rainfall at isolated places likely over north Tamil Nadu on 10th December, 2022.

(i) Heavy rainfall warning:

Date	Warning
10.12.2022	Heavy to very heavy rain is likely to occur at isolated places over Krishnagiri, Dharmapuri, Tirupattur, Vellore, Ranipet, Tiruvannamalai, Kancheepuram and Tiruvallur districts of Tamilnadu. Heavy rain is likely to occur at isolated places over Nilgiris, Erode, Salem, Kallakurichi, Villupuram, Chengalpattu and Chennai districts of Tamilnadu and Puducherry.

(ii) Wind warning:

Sea area	Warning
Southwest Bay of Bengal	Squally wind, speed reaching 55-65 kmph gusting to 75 kmph likely to prevail till 10 th December morning. It is likely to reduce becoming 30-40 kmph gusting to 50 kmph by 10 th December afternoon.
along & off Tamilnadu, Puducherry, south Andhra Pradesh and north Sri Lanka coasts	Squally wind, speed reaching 55-65 kmph gusting to 75 kmph likely to prevail till 10 th December morning. It is likely to reduce becoming 30-40 kmph gusting to 50 kmph by 10 th December afternoon.
Gulf of Mannar	Squally wind, speed reaching 40-50 kmph gusting to 60 kmph likely to prevail over Gulf of Mannar till 10 th December morning.
Westcentral Bay of Bengal	Squally wind, speed reaching 50-60 kmph gusting to 70 kmph is likely to prevail over adjoining areas of Westcentral Bay of Bengal off south Andhra Pradesh coast till 10 th December morning and reduce thereafter gradually becoming 30-40 kmph gusting to 50 kmph by 10 th December afternoon.

(iii) Sea condition

Sea area	Sea condition
Southwest Bay of Bengal	Sea condition likely to be rough to very rough over Southwest Bay of Bengal from 10 th December early morning to evening.
West Central Bay of Bengal	The sea condition would be rough to very rough over adjoining areas of Westcentral Bay of Bengal till afternoon of 10 th December.
along & off South Andhra Pradesh, Tamil Nadu, Puducherry and Sri Lanka coasts	Sea condition very likely to be rough to very rough along & off north Tamil Nadu and Puducherry coasts till 10 th December afternoon. It is likely to be rough to very rough along and off north Sri Lanka and south Tamil Nadu coasts till 10 th December afternoon.

(v) Fishermen warning:

Fishermen are advised not to venture into

- Southwest Bay of Bengal till 10th December evening.
- Along & off north Sri Lanka coast till 10th December forenoon.
- **Along & off Tamilnadu, Puducherry and South Andhra Pradesh coasts and Gulf of Mannar till 10th December evening.**

(vi) Adverse weather warning for onshore and offshore operations:

Regulate on-shore and off-shore operations over Southwest Bay of Bengal; along & off Tamilnadu-Puducherry-South Andhra Pradesh coasts and Gulf of Mannar till 10th December afternoon.

(vi) Damage expected over north Tamil Nadu, Puducherry and adjoining south Andhra Pradesh during next 6 hours.

- Damage to thatched houses/ huts. Unattached metal sheets may fly.
- Minor damage to power and communication lines leading to partial disruption in power and communication.
- Major damage to Kutchha and some damage to Pucca roads. Flooding of escape routes.
- Breaking of tree branches, uprooting of small trees. Dead limbs blown from trees.
- Damage to banana, papaya trees and near coastal agriculture due to salt spray.
- Damage to paddy, other standing crops and horticulture crops.
- Inundation/localized flooding in low lying areas due to heavy rains
- Traffic may be disrupted due to poor visibility in association with heavy rain

(vii) Action suggested over north Tamil Nadu, Puducherry and adjoining south Andhra Pradesh

- People in north coastal Tamil Nadu and Puducherry to remain in safe places till 10th December morning.
- Total suspension of fishing operations till 10th December evening.
- Regulate onshore and off-shore operations till 10th December evening.
- People are advised to be cautious while going outside.
- Regulate traffic.
- People should not move nearby to vulnerable structures.

IMD is continuously monitoring the situation and updates would be sent.

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

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)
No Rain	Dry

Rainfall intensity:

Light rain	0.1-7.6 mm (upto 1 cm)
Moderate rain	7.7-64.4 mm (2- 6 cm)
Heavy rain	64.5 – 115.5 mm (7 – 11 cm)
Very heavy rain	115.6- 204.4 mm (12 - 20 cm)
Extremely heavy rain	>204.4 mm (21 cm or more)

Sea condition:

Descriptive term	Wave height in metres
Slight	0.5-1.25
Moderate	1.25- 2.5
Rough	2.5-4.0
Very rough	4.0-6.0
High	6.0-9.0
Very high	9.0-14.0
Phenomenal	Over 14

