



India Meteorological Department
(Ministry of Earth Sciences)

BULLETIN NO. 27 (BOB/09/2022)

TIME OF ISSUE:1400 HOURS IST

DATED: 10.12.2022

FROM: INDIA METEOROLOGICAL DEPARTMENT (FAX NO. 24643965/24699216/24623220)

TO: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)

CONTROL ROOM NDMA (FAX.NO. 26701729)

CABINET SECRETARIAT (FAX.NO.23012284, 23018638)

PS TO HON'BLE MINISTER FOR S & T AND EARTH SCIENCES (FAX NO.23316745)

SECRETARY, MOES (FAX NO. 24629777)

H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)

DIRECTOR GENERAL, DOORDARSHAN (23385843)

DIRECTOR GENERAL, AIR (23421105, 23421219)

PIB MOES (FAX NO. 23389042)

UNI (FAX NO. 23355841)

D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX NO. 26105912, 2436 3260)

DIRECTOR, PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)

CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX NO. 03192- 232656)

CHIEF SECRETARY, GOVT. WEST BENGAL (FAX NO. 033-22144328)

CHIEF SECRETARY, GOVT. OF ODISHA (FAX NO. 0674 -2536660)

CHIEF SECRETARY, GOVT. OF ANDHRA PRADESH (FAX NO. 0863-2441029, 08645-246600)

CHIEF SECRETARY, GOVT. OF TAMIL NADU (FAX NO. 044-25672304)

CHIEF SECRETARY, GOVT. OF PUDUCHERRY (FAX NO. 0413-2337575, 2334145)

CHIEF SECRETARY, GOVT. OF KARNATAK (FAX NO. 080-22258913)

Sub.: Deep Depression (remnant of the cyclonic storm “Mandous” pronounced as “Man-Dous”) weakened into a Depression over north Tamil Nadu

The Deep Depression (remnant of the cyclonic storm “Mandous” pronounced as “Man-Dous”) over north Tamil Nadu moved nearly west-southwestwards with a speed of 09 kmph during past 06 hours, weakened into Depression and lay centred at 1130 hours IST of today, the 10th Dec, over north Tamil Nadu near latitude 12.7°N and longitude 79.3°E, about 30 km south-southwest of Vellore and 120 km east-northeast of Krishnagiri. It is very likely to move nearly west-southwestwards and gradually weaken into a well marked low pressure area during next 12 hours.

Warnings:

(i) Rainfall (warning graphics enclosed)

- ❖ **10th December:-** Light to moderate rainfall at most places with **heavy to very heavy rainfall** at isolated places likely over Rayalaseema, north Tamil Nadu and south interior Karnataka.

(ii) Wind warning:

- ❖ Squally wind speed reaching 40-50 kmph gusting to 60 kmph is prevailing over Southwest Bay of Bengal and along & off Tamil Nadu, Puducherry and south Andhra

Pradesh coasts which is likely to reduce to 30-40 kmph gusting to 50 kmph by 10th December evening.

(iii) Sea condition

- ❖ **Sea condition** likely to be **rough to very rough** over **Southwest Bay of Bengal and adjoining areas of westcentral Bay of Bengal, along & off Tamil Nadu, Puducherry and south Andhra Pradesh coasts** till evening of 10th December.

(iv) Fishermen Warning (warning graphics enclosed)

Fishermen are advised not to venture into:

- ❖ Southwest Bay of Bengal and adjoining areas of westcentral Bay of Bengal, along & off Tamil Nadu, Puducherry and south Andhra Pradesh coasts till 10th December evening.

(v) Damage expected over north Tamil Nadu, Rayalaseema and South Interior Karnataka during next 3 hours.

- ❖ 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

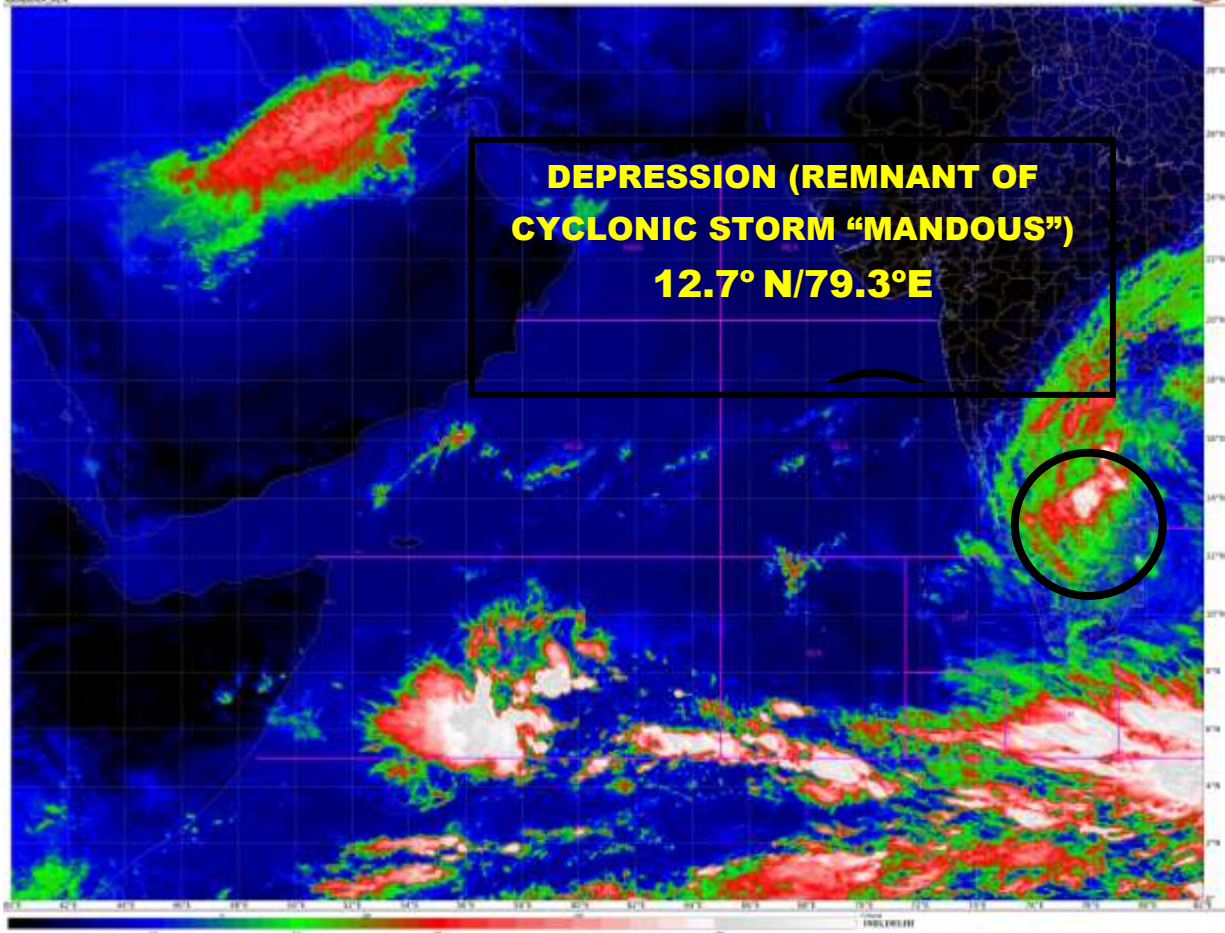
(vi) Action suggested over north Tamil Nadu, Rayalaseema and South Interior Karnataka

- ❖ Fisherman are advised not to venture into Southwest Bay of Bengal and adjoining areas of westcentral Bay of Bengal, along & off Tamil Nadu, Puducherry and south Andhra Pradesh coasts till 10th December evening.
- ❖ People are advised to be cautious while going outside.
- ❖ Regulate traffic.
- ❖ People should not move nearby to vulnerable structures.

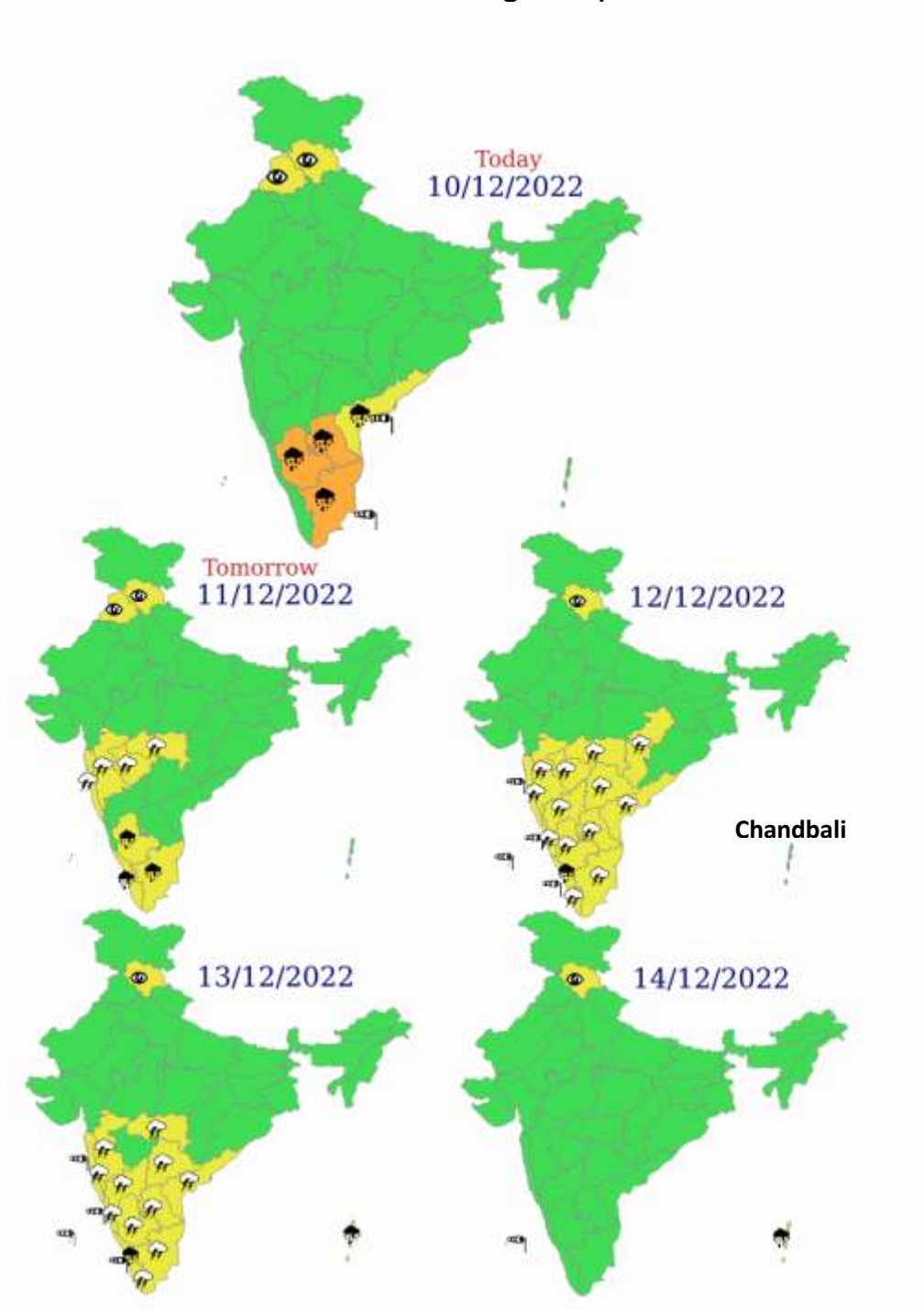
System is under continuous surveillance and the next bulletin will be issued at 2030 hours IST of 10th Dec, 2022.

**(DR AMIT BHARDWAJ)
Scientist C, Cyclone Warning Division, New Delhi**

Copy to: ACWC Kolkata/ ACWC Chennai/ CWC Bhubaneswar/CWCVisakhapatnam/MO Port Blair



Multi hazard Warning Graphics



LEGEND: Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
 Rainfall amount (mm): Heavy rain: 64.5 – 115.5, Very heavy rain: 115.6 – 204.4, Extremely heavy rain: 204.5 or more.

WARNING		Probabilistic Forecast		Heavy Rain	Heavy Snow	Thunderstorm	Dust Storm
WARNING (TAKE ACTION)		Terms	Probability of Occurrence (%)	Strong Winds <td>Visibility <td>Cyclone <td>Squall/ Hail</td> </td></td>	Visibility <td>Cyclone <td>Squall/ Hail</td> </td>	Cyclone <td>Squall/ Hail</td>	Squall/ Hail
ALERT (BE PREPARED)		Unlikely	< 25	Frost	Cold Wave	Heat Wave	Sea State
WATCH (BE UPDATED)		Likely	25 - 50				
NO WARNING (NO ACTION)		Very Likely	51 - 75				
		Most Likely	> 75				



OBSERVED AND FORECAST TRACK OF DEPRESSION REMNANT OF CYCLONIC STORM 'MANDOUS' OVER NORTH TAMILNADU BASED ON 0600 UTC OF 10th DECEMBER, 2022.



DATE/TIME IN UTC

IST=UTC + 0530

L: LOW PRESSURE AREA

WML: WELL MARKED LOW PRESSURE AREA

D: DEPRESSION (17-27 KT)

DD: DEEP DEPRESSION (28-33 KT)

CS: CYCLONIC STORM (34-47 KT)

SCS: SEVERE CYCLONIC STORM (48-63 KT)

VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)

ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)

SuCS: SUPER CYCLONIC STORM (\geq 120 KT)

● LESS THAN 34 KT

○ 34-47 KT

○ \geq 48 KT

— OBSERVED TRACK

— FORECAST TRACK

▲ CONE OF UNCERTAINTY

Fishermen warning graphics



- Squally weather with wind speed 40-45 kmph gusting to 55 kmph
- Squally wind with wind speed 45-55 kmph gusting to 65 kmph
- Squally wind speed with wind speed 50-60 kmph gusting to 70 kmph

Fishermen are advised not to venture into the marked areas.