



India Meteorological Department
(Ministry of Earth Sciences)

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Sub: Depression over southwest & adjoining west-central Bay of Bengal.

The Depression over southwest Bay of Bengal moved west-northwestwards with a speed of 4 kmph during past 06 hours and lay centred at 0830 hrs IST of 11th November 2021, over southwest & adjoining west-central Bay of Bengal, near Lat. 12.3°N and Long. 81.2°E, about 130 km east-southeast of Chennai and 150 km east-northeast of Puducherry. It is very likely to continue to move west-northwestwards and cross north Tamil Nadu & adjoining south Andhra Pradesh coasts around Chennai during the evening of today, the 11th November 2021.

Forecast track and intensity are given in the following table:

Date/Time(IST)	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
11.11.21/0830	12.3/81.2	45-55 gusting to 65	Depression
11.11.21/1730	13.0/80.4	45-55 gusting to 65	Depression
12.11.21/0530	13.4/80.0	40-50 gusting to 60	Depression

Warnings:

(i) Rainfall (warning graphics enclosed)

- 11th Nov.: Light to moderate rainfall at most places with heavy to very heavy rainfall at a few places & extremely heavy falls at isolated places very likely over north coastal Tamil

Nadu, Puducherry, north interior Tamil Nadu, south coastal Andhra Pradesh and Rayalaseema and **heavy to very heavy rainfall** at isolated places over south interior Karnataka, Kerala and heavy rainfall at isolated places over north coastal Andhra Pradesh.

- **12th Nov.:** Light to moderate rainfall at most places with **heavy rainfall at isolated places** very likely over Tamil Nadu, Puducherry, coastal Andhra Pradesh, Rayalaseema south interior Karnataka & Kerala.

(ii) Wind warning

- Squally wind speed reaching 45-55 kmph gusting to 65 kmph likely to prevail over southwest & adjoining westcentral Bay of Bengal and along & off Tamil Nadu, Puducherry & south Andhra Pradesh coasts on 11th November and reduce gradually from 12th morning.

(iii) Sea condition

- Sea condition will be rough to very rough over southwest & adjoining west-central Bay of Bengal and along & off Tamil Nadu, Puducherry & south Andhra Pradesh coasts on 11th November.

(iv) Fishermen Warning

- Fishermen are advised not to venture into southwest & adjoining west-central Bay of Bengal and along & off Tamil Nadu, Puducherry & south Andhra Pradesh coasts till 12th November morning. (Graphics enclosed).

(v) EXPECTED IMPACT & ACTION SUGGESTED FOR NORTH Tamil Nadu (including Chennai, Puducherry & south Andhra Pradesh)

A. Impact Expected

- Localized Flooding of roads, inundation and water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutchra roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides
- Damage to horticulture including banana, Papaya & Drumstick and standing crops in some areas due to squally wind and inundation.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

B. Action Suggested

- People in affected areas are advised to stay in safer places.
- Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.
- Avoid going to areas that face the water logging problems often.
- Avoid staying in vulnerable structure.

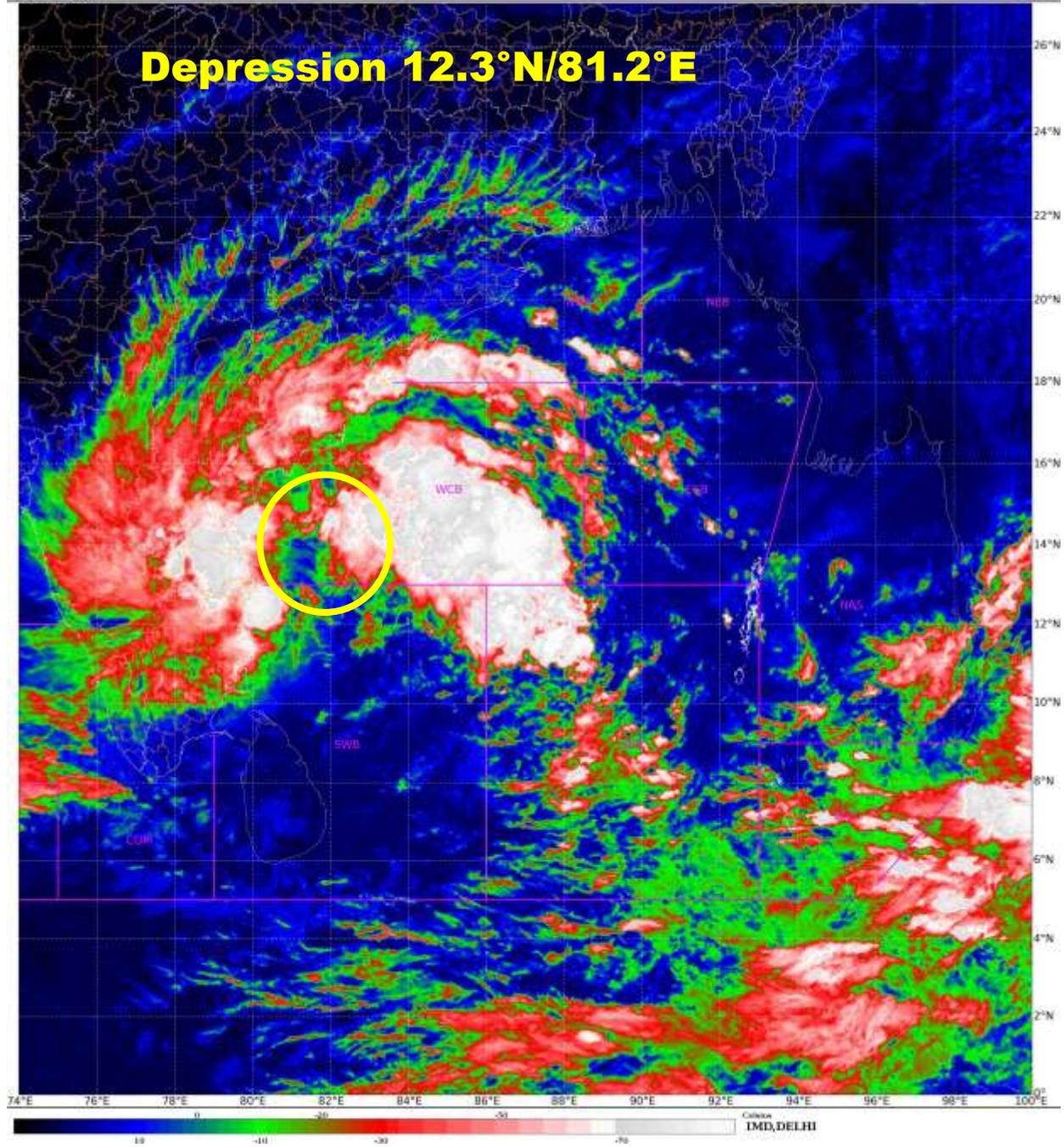
(Sunitha Devi. S)
Scientist-F, RSMC, New Delhi

Copy to: ACWC Mumbai/ CWC Ahmedabadr/MC Goa/CWC Thiruvananthapuram

LEGEND: Heavy Rainfall: 64.5 to 115.5mm, **Very Heavy Rainfall:** 115.6 to 204.4mm **Most Places:** more than 76% of total stations, **Isolated Places:** Less than 25% of total stations

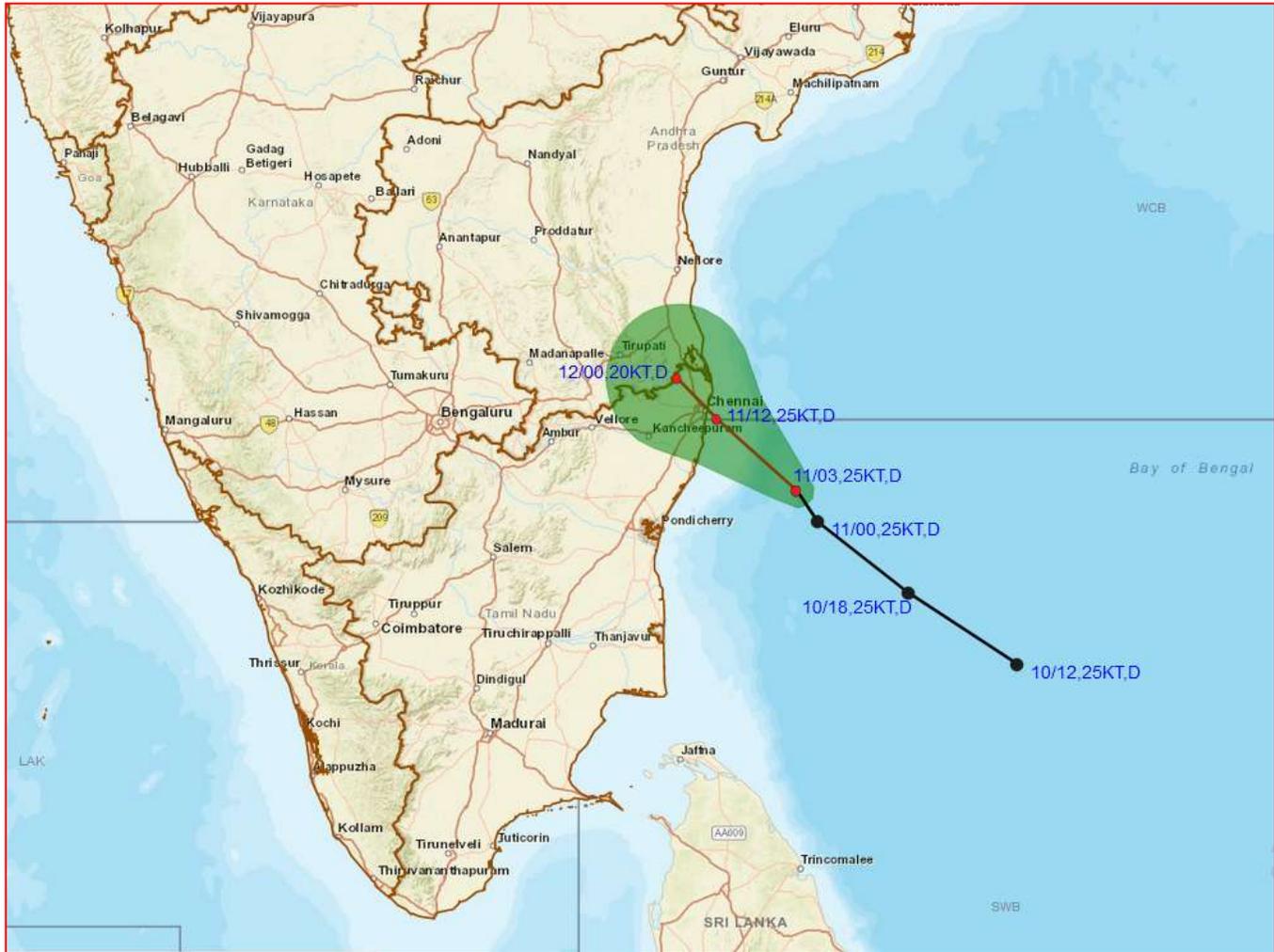


Depression 12.3°N/81.2°E





OBSERVED AND FORECAST TRACK ALONGWITH CONE OF UNCERTAINTY OF DEPRESSION OVER SOUTHWEST & ADJOINING WEST-CENTRAL BAY OF BENGAL BASED ON 0300 UTC (0830IST) OF 11TH NOVEMBER, 2021



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 (48-63KT)

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

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

SuCS: SUPER CYCLONIC STORM ≥ 120 KT

● LESS THAN 34 KT

⊙ 34-47 KT

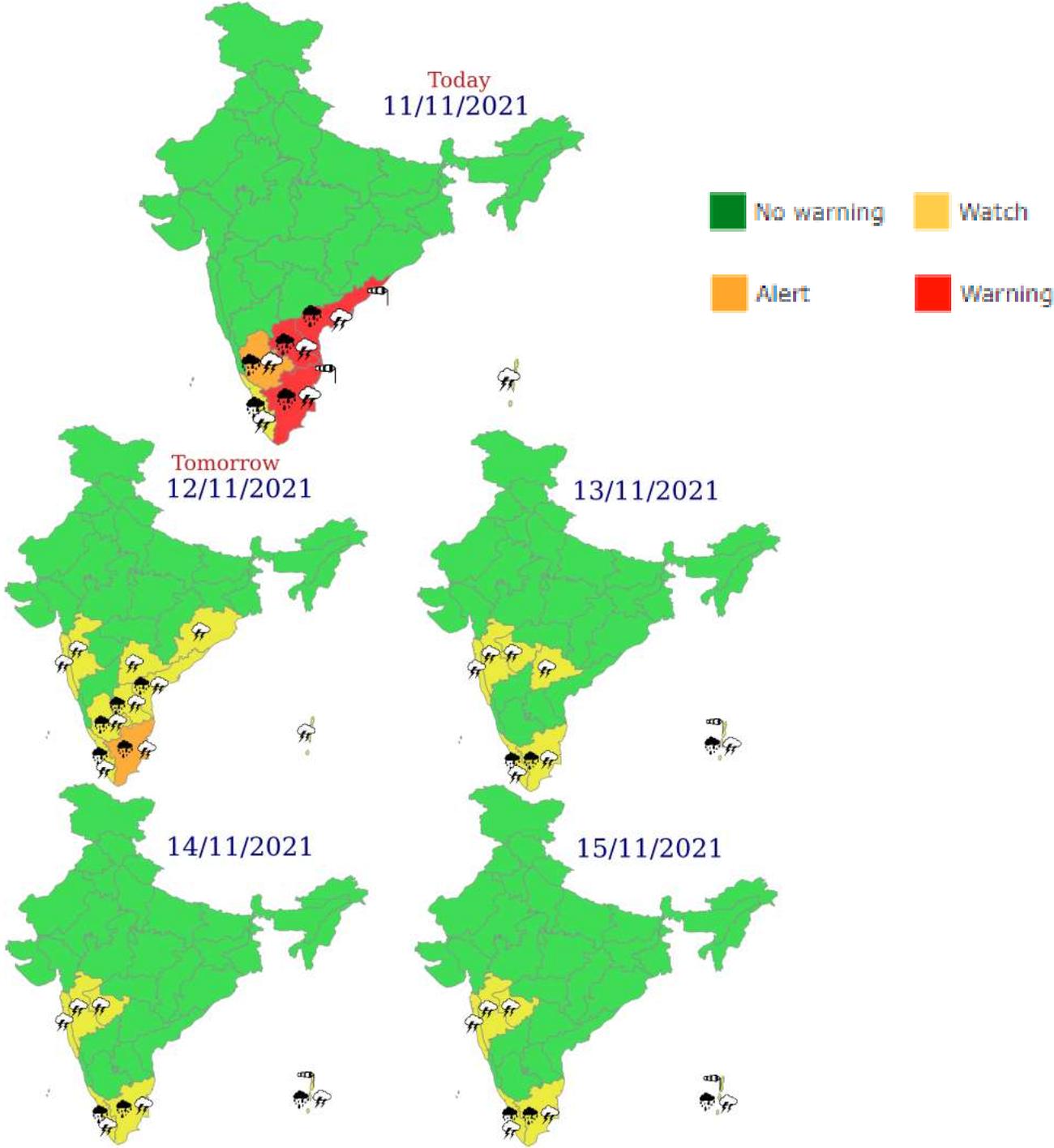
⊙ ≥ 48 KT

— OBSERVED TRACK

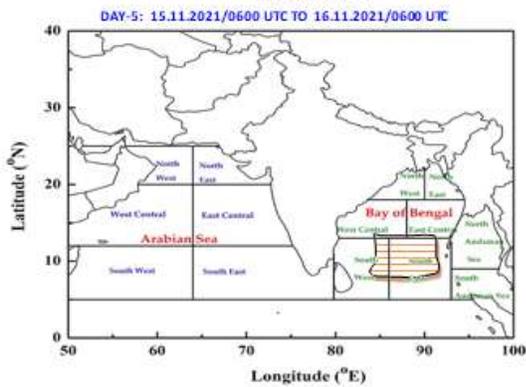
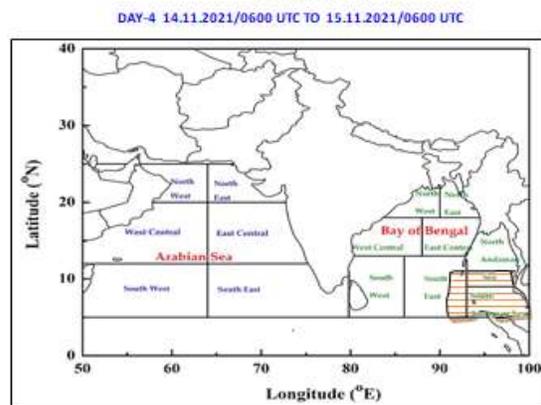
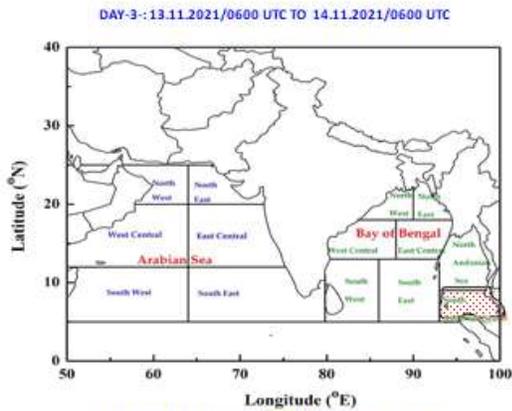
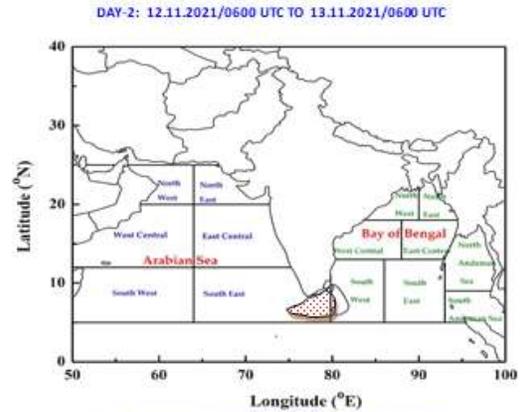
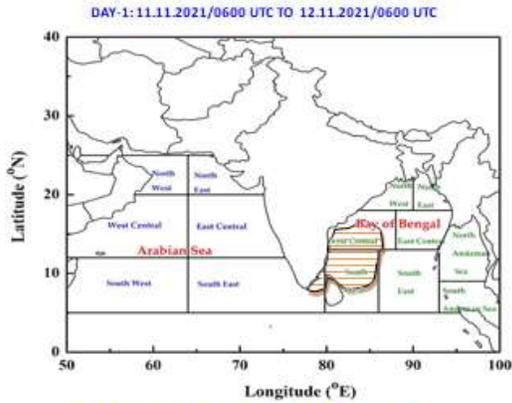
— FORECAST TRACK

▲ CONE OF UNCERTAINTY

Meteorological Sub-division level heavy rainfall warning



INDIA METEOROLOGICAL DEPARTMENT
FISHERMAN WARNING FOR BAY OF BENGAL AND ARABIAN SEA



AREA UNDER FISHERMEN WARNING

- 40-50 KMPH GUSTING TO 60 KMPH (SQUALLY WEATHER)
- 45-55 KMPH GUSTING TO 60 KMPH (SQUALLY WEATHER)
- 50-60 KMPH GUSTING TO 70 KMPH (STRONG WIND)