



**India Meteorological Department
(Ministry of Earth Sciences)**

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

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Sub: Depression crossed north Tamil Nadu coast close to Chennai between 1730 & 1830 hrs IST of today, the 11th November.

The Depression over southwest & adjoining west-central Bay of Bengal moved west-northwestwards with a speed of 12 kmph during past 06 hours and lay centred at 1730 hrs IST of today, the 11th November 2021, over southwest & adjoining westcentral Bay of Bengal, near Lat. 12.9°N and Long. 80.3°E, about 15 km southeast of Chennai.

Latest observations indicate that the depression has crossed north Tamil Nadu & adjoining south Andhra Pradesh coasts close to Chennai, near Lat. 12.95°N and Long. 80.25°E during 1730 and 1830 hrs IST with a maximum sustained wind speed of 45 – 55 kmph gusting to 65 kmph. It lay centered at 1830 hours IST over north coastal Tamil Nadu near Lat. 13.0°N and Long. 80.2°E, close to Chennai. It is very likely to move west-northwestwards and weaken gradually into a Well Marked Low Pressure Area by tomorrow morning.

Forecast track and intensity are given in the following table:

Date/Time(IST)	Position (Lat. °N/ long. °E)	Maximum sustained surfac wind speed (Kmph)	Category of cyclonic disturbance
11.11.21/1730	12.9/80.3	45-55 gusting to 65	Depression
11.11.21/2330	13.1/80.0	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 isolated places** very likely over north coastal Tamil Nadu, Puducherry, north interior Tamil Nadu, south coastal Andhra Pradesh, Rayalaseema, 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 during next 12 hours and reduce gradually thereafter.

(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 till tomorrow, the 12th November morning.

(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 kutcha 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.

Next bulletin will be issued at 0230 hrs IST of tomorrow, the 12th November 2021.

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

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

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

SAT : INSAT-3D IMG

11-11-2021/(1330 to 1356) GMT

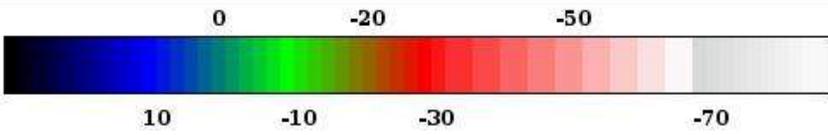
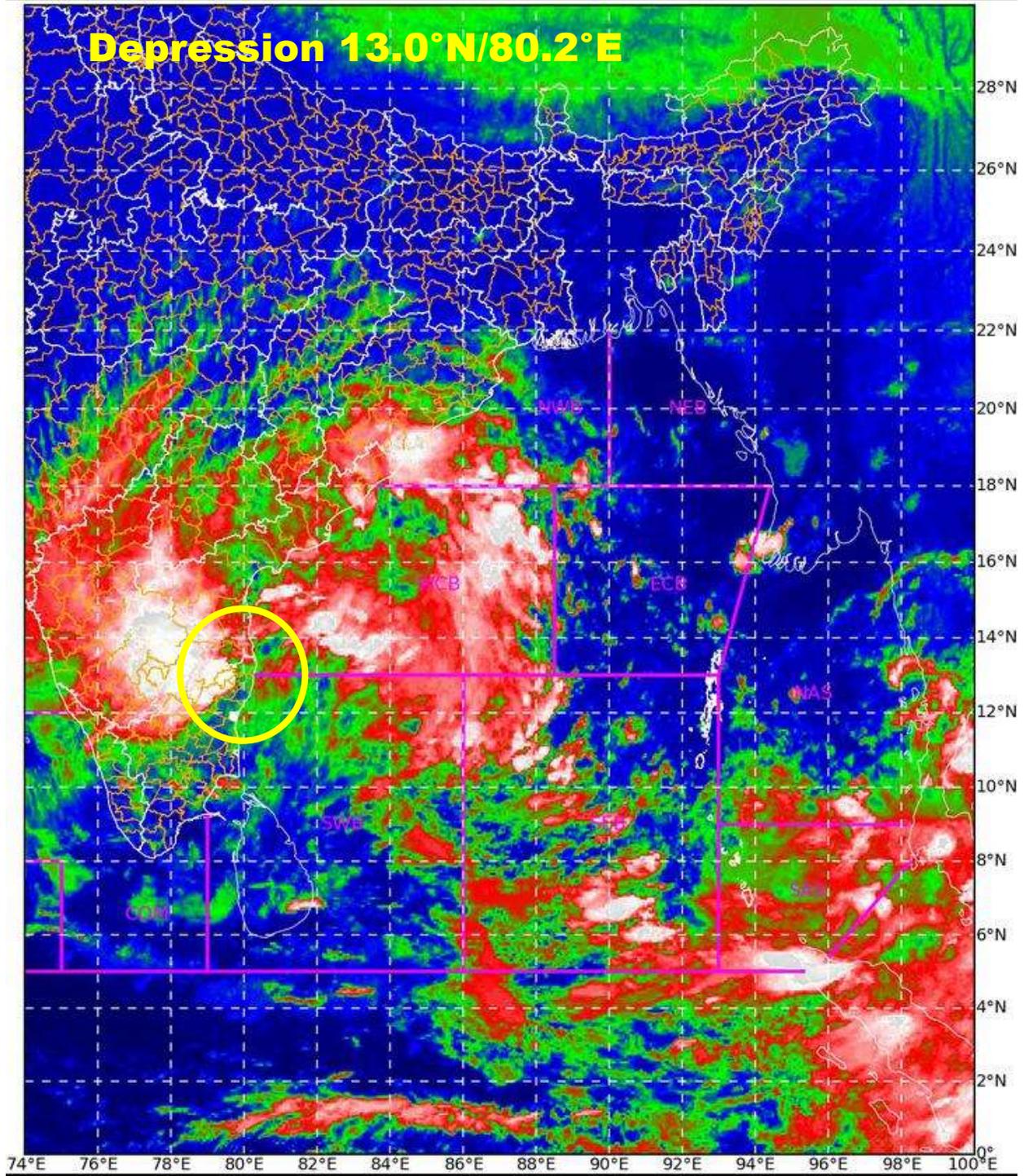
IMG_TIR1_TEMP 10.8 um

11-11-2021/(1900 to 1926) IST

L1C Mercator

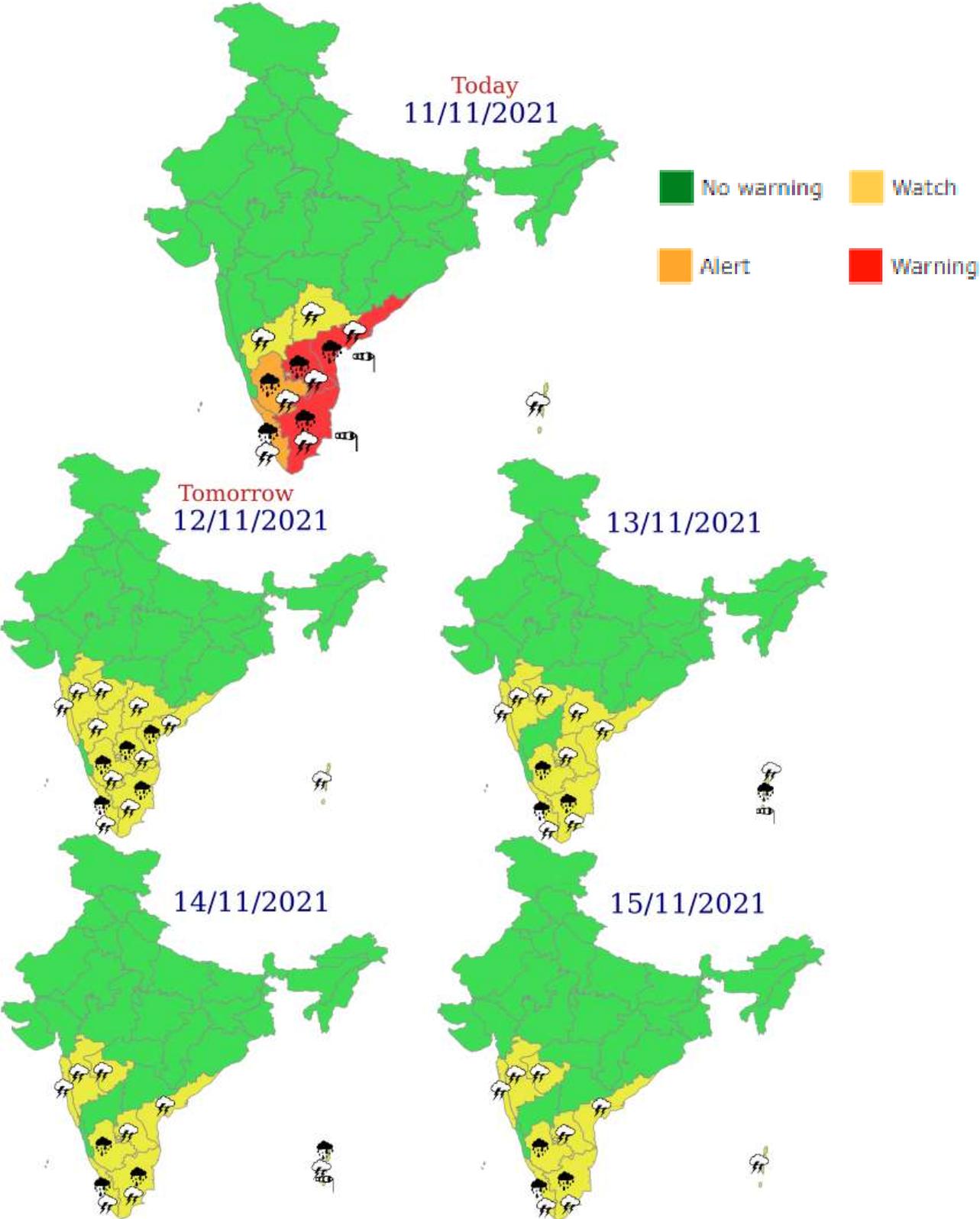


Depression 13.0°N/80.2°E

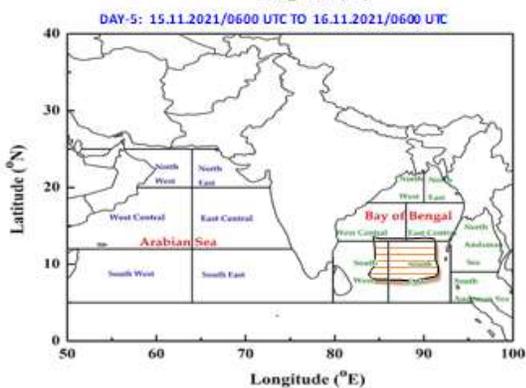
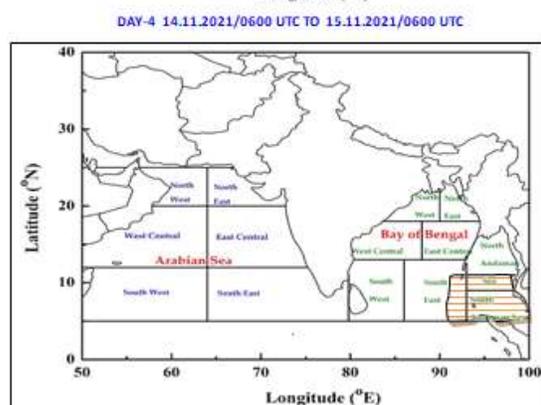
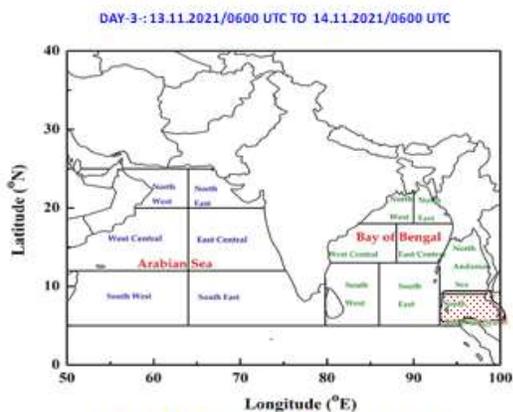
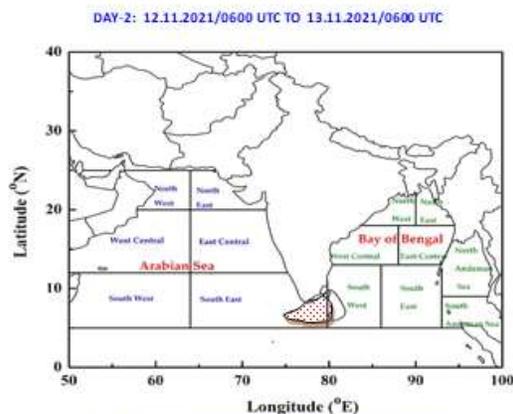
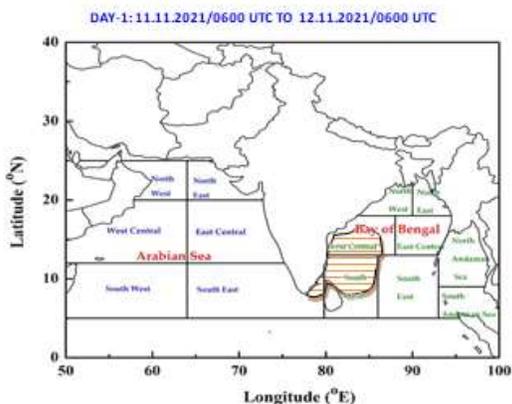


Celsius
IMD, DELHI

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)