



**India Meteorological Department
(Ministry of Earth Sciences)
NATIONAL BULLETIN NO. 2 (BoB/01/2025)**

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DATED: 29.05.2025

FROM: INDIA METEOROLOGICAL DEPARTMENT

(FAX NO. 24643965/24699216/24623220)

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Subject: Deep Depression over Northwest Bay of Bengal off West Bengal-Bangladesh Coasts

The depression over Northwest Bay of Bengal off West Bengal-Bangladesh coasts moved nearly northwards with a speed of 20 kmph during past 3 hours, intensified into a deep depression and lay centred at 0830 hours IST of today, the 29th May 2025 over the same region near latitude 21.3° N and longitude 88.5° E, about 60 km southeast of Sagar Island, 110 km east-southeast of Digha, 160 km east of Balasore, 180 km south-southwest of Mongla (Bangladesh) and 180 km west of Khepupara (Bangladesh).

It is likely to continue to move nearly northwards and cross West Bengal – Bangladesh coasts between Sagar Island and Khepupara (Bangladesh) by afternoon of today, the 29th May, 2025.

Warnings:

(i) Rainfall Warning:

- ❖ Light to moderate rainfall at most places with heavy to very heavy rainfall at a few places with extremely heavy rainfall (≥ 20 cm) at isolated places over Assam & Meghalaya and heavy to

extremely heavy rainfall at isolated places over Nagaland, Manipur, Mizoram, Tripura, Arunachal Pradesh, Sub-Himalayan West Bengal and Sikkim on 29th & 30th May.

- ❖ Light to moderate rainfall at most places with heavy to very heavy rainfall (07-20 cm) at isolated places is very likely over Odisha and Gangetic West Bengal on 29th May.

(ii) Wind Warning:

- ❖ Squally wind speed reaching 50-60 kmph gusting to 70 kmph is likely to prevail over north Bay of Bengal and along & off West Bengal and Bangladesh coasts till evening of today, the 29th May. Thereafter, it would gradually decrease and becoming 40-50 kmph gusting to 60 kmph by morning of 30th May.
- ❖ Squally wind speed reaching 40-50 kmph gusting to 60 kmph is prevailing along and off Odisha coast and it is likely to continue till 30th May.
- ❖ Squally wind speed reaching 45-55 kmph gusting to 65 kmph is likely over coastal districts of West Bengal from afternoon of today, the 29th May till morning of 30th May.
- ❖ Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely over Nagaland, Manipur, Mizoram, Tripura, Assam, Meghalaya, Arunachal Pradesh, Sub-Himalayan West Bengal and Sikkim during 29th -30th May.

(iii) Sea Condition:

Sea condition is very likely to be rough to very rough over north and adjoining central Bay of Bengal and along & off Odisha, West Bengal and Bangladesh coasts during 29th – 30th May.

(iv) Fishermen Warning:

Fishermen are advised not to venture into north and adjoining central Bay of Bengal and along & off Odisha, West Bengal and Bangladesh coasts during 29th – 30th May.

(v) Impact Expected and Action Suggested over Northeastern states, Sub-Himalayan West Bengal and Sikkim due to heavy rainfall and squally winds

Impact expected:

- ❖ Breaking of tree branches, uprooting of small trees like banana, papaya, drum sticks. Strong wind and rain may damage plantation, horticulture and standing crops.
- ❖ Partial damage to vulnerable structures due to strong winds and rain.
- ❖ Minor damage to kutcha houses/walls, huts and roads due to heavy rain.
- ❖ Loose objects may fly.
- ❖ Onshore and offshore operations may get affected.
- ❖ Small ships, trawlers and boats may be affected.
- ❖ Road and rail traffic may be affected due to heavy rain and squally winds.
- ❖ There could be localised landslides, mudslides, landslips, water logging, inundation and flooding over low lying areas.
- ❖ Occasional reduction in visibility due to heavy rainfall.
- ❖ Helicopter services may get affected.

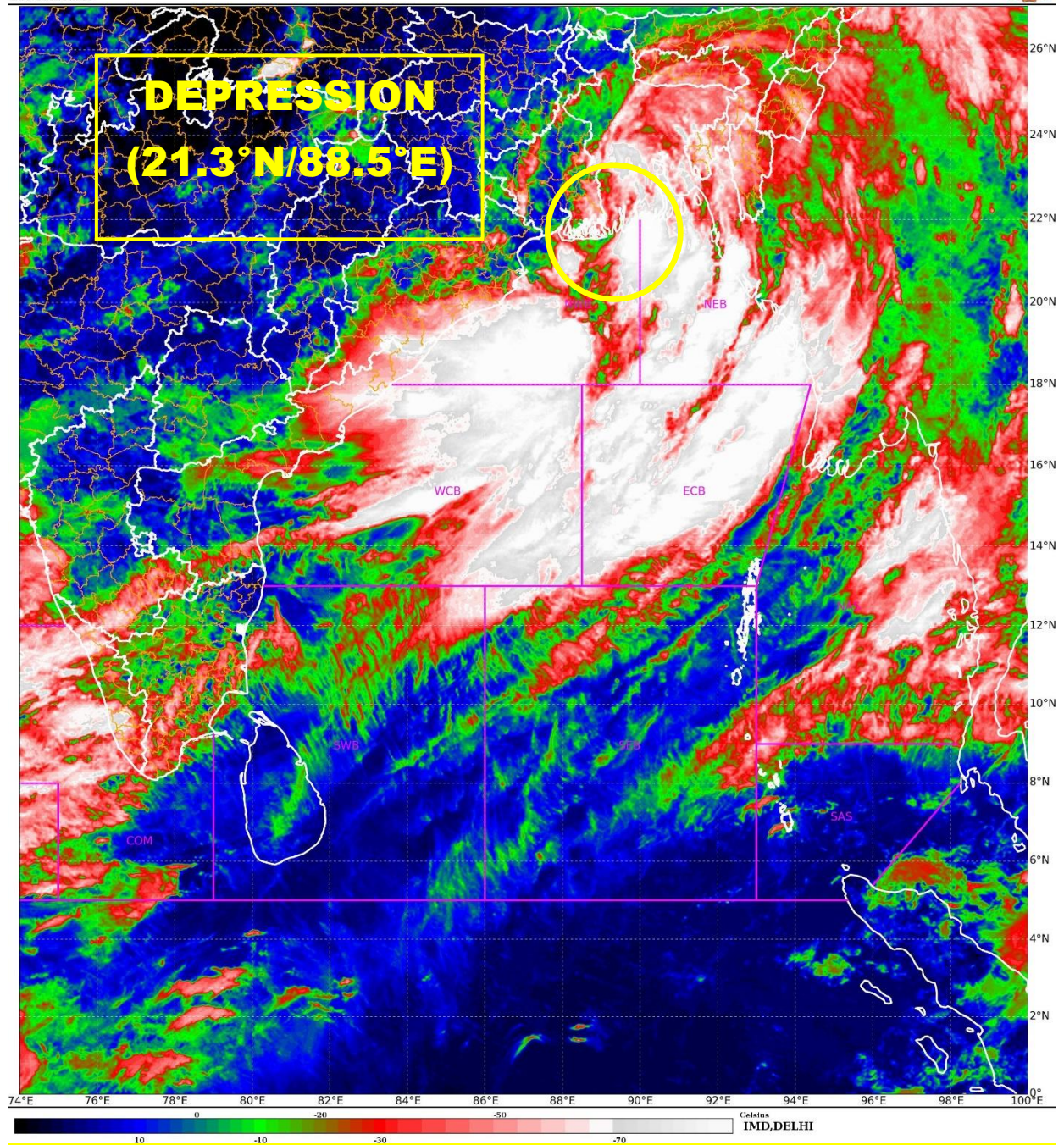
Action suggested:

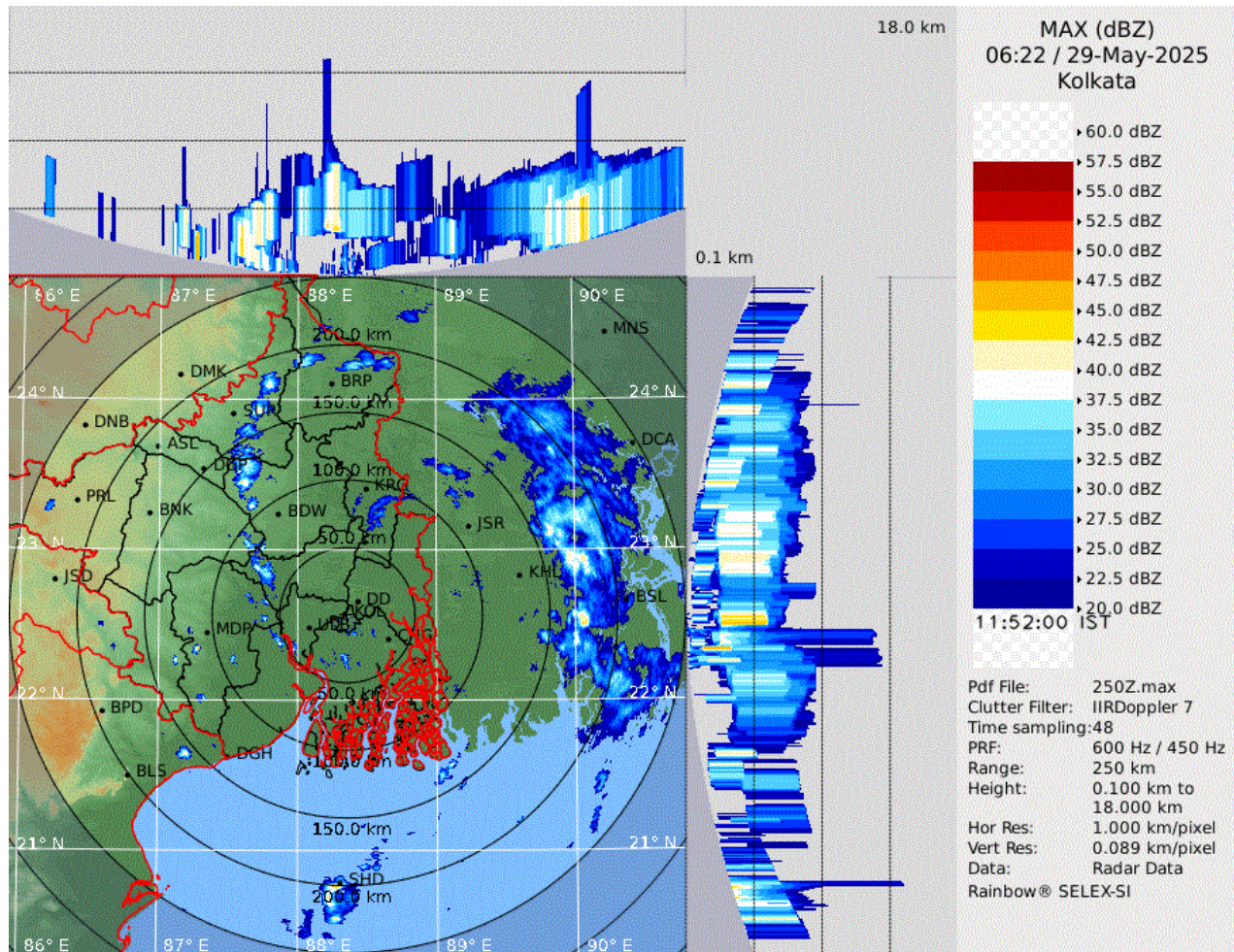
- ❖ People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly.
- ❖ Take safe shelters; do not take shelter under trees, as there could be lightning.
- ❖ In case of expected lightning, unplug electrical/ electronic appliances, immediately, get out of water bodies and keep away from all the objects that conduct electricity.
- ❖ Tourism and recreational activities to be regulated.
- ❖ Onshore and offshore activities to be judiciously regulated.
- ❖ Helicopter services to be regulated.

Next bulletin will be issued at 1430 hours IST of today, the 29th May, 2024.

(Ananda Kumar Das)
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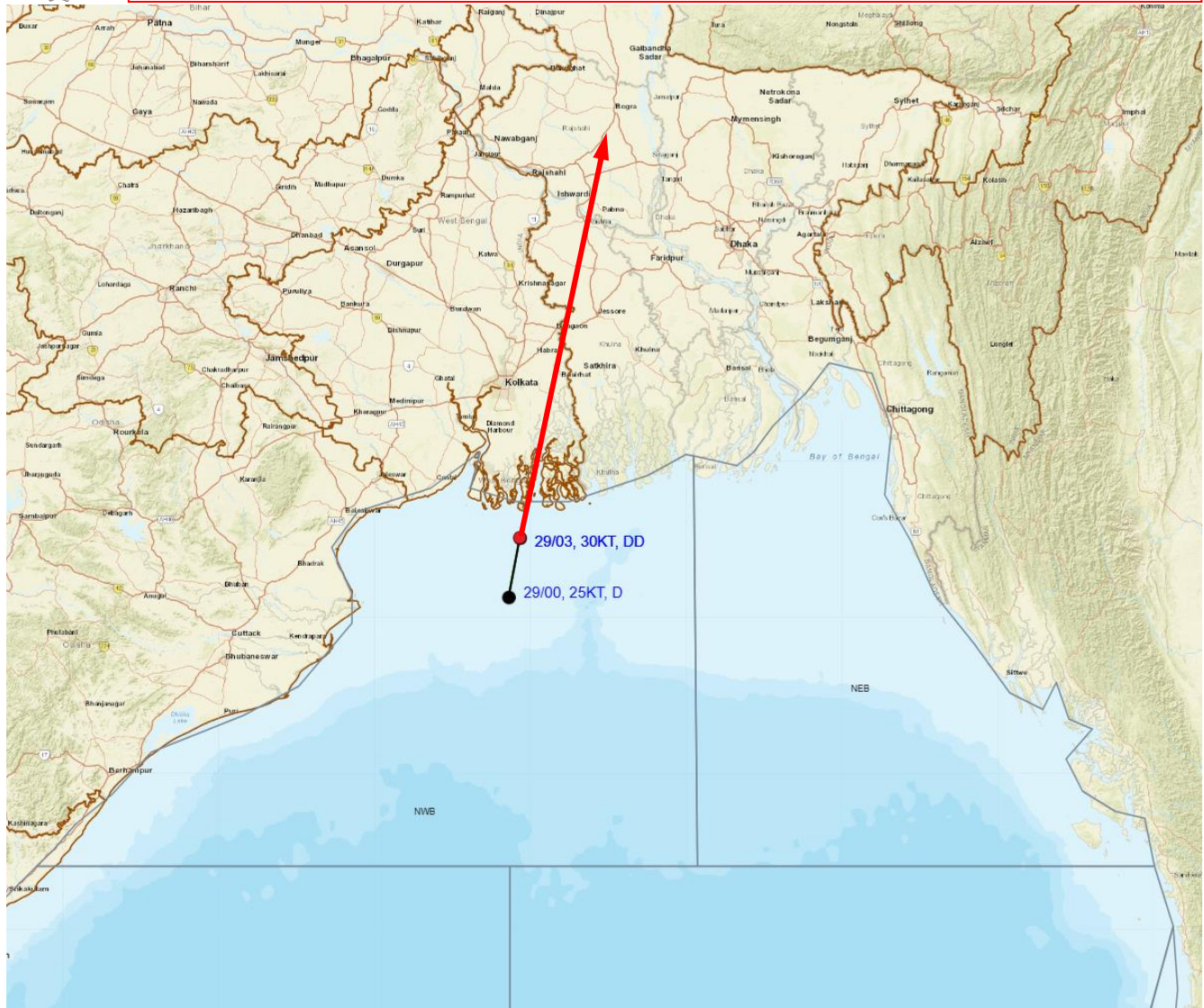




Maximum Reflectivity (dBZ) Observation by Doppler Weather Radar (DWR) at Kolkata



OBSERVED AND FORECAST TRACK OF DEEP DEPRESSION OVER NORTHWEST BAY OF BENGAL OFF WEST BENGAL – BANGLADESH COASTS BASED ON 0300 UTC (0830 IST) OF 29th MAY, 2025



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**

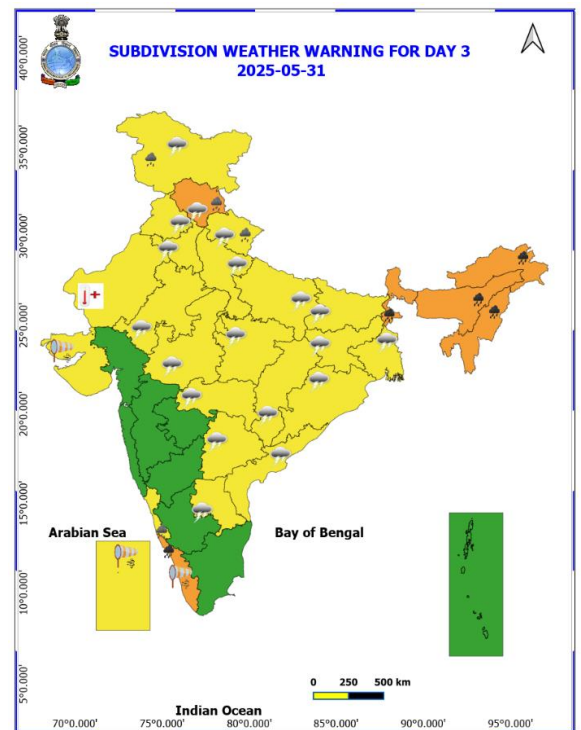
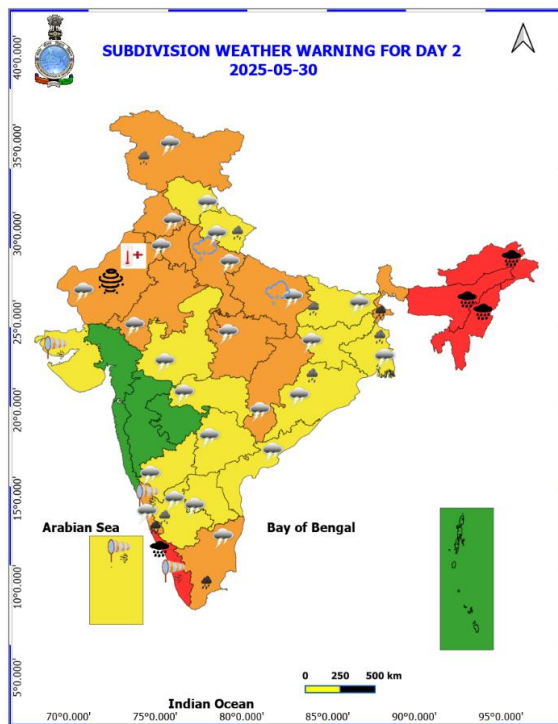
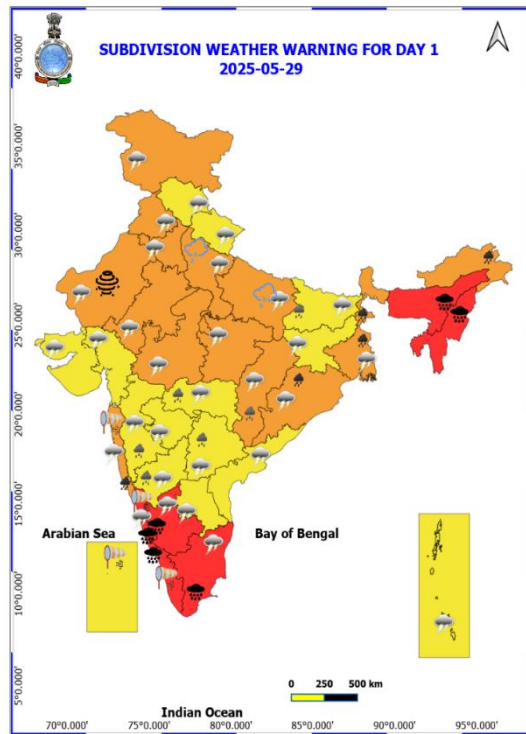
 **34-47 KT**

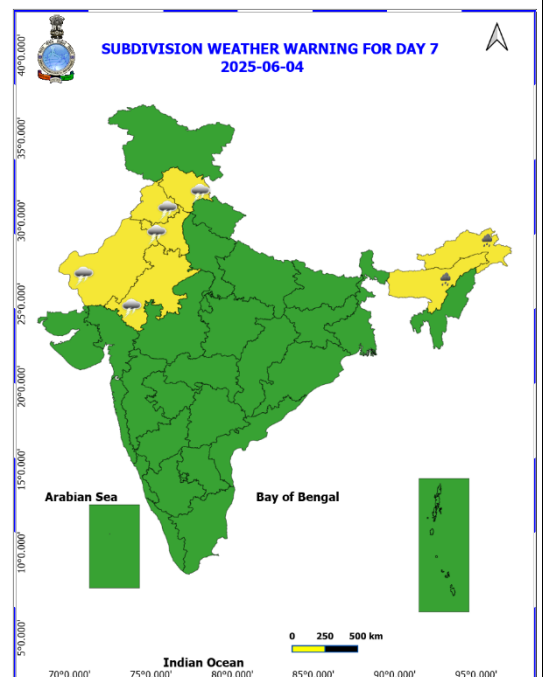
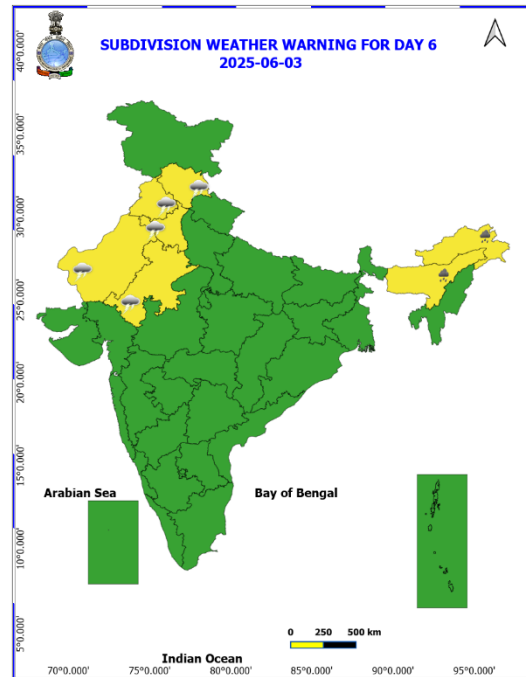
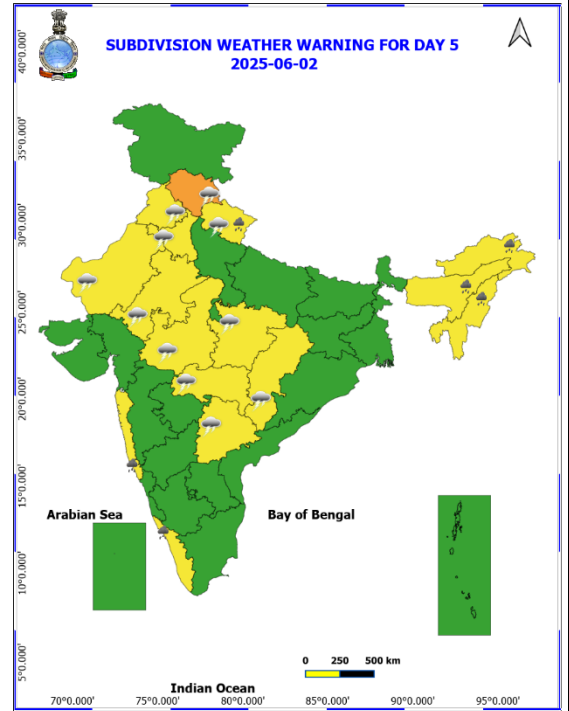
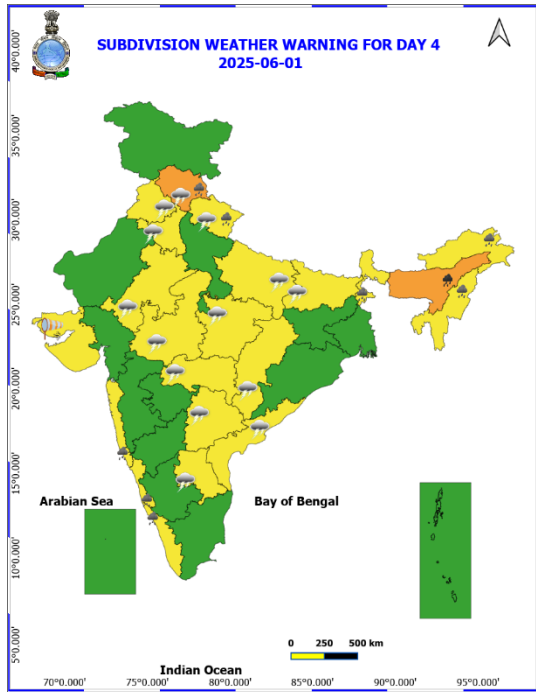
 **≥ 48 KT**

 **OBSERVED TRACK**

 **FORECAST TRACK**

 **CONE OF UNCERTAINTY**





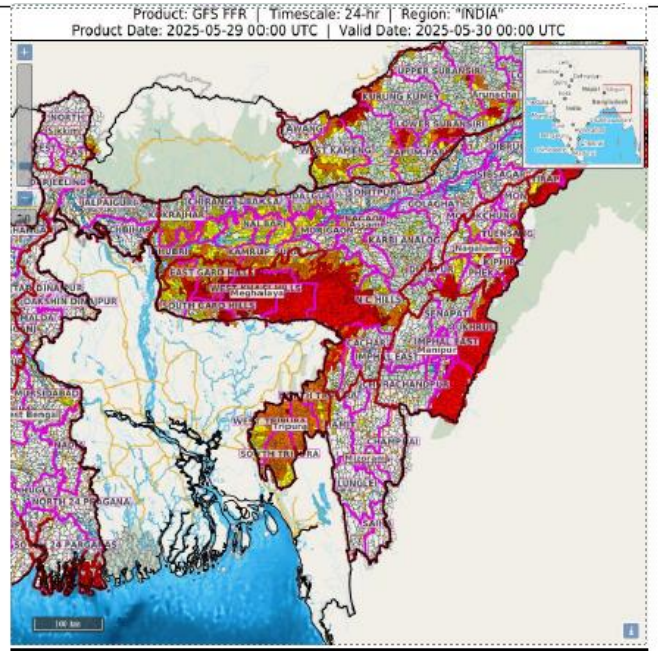
24 hours Outlook for the Flash Flood Risk (FFR) till 0530 IST of 30-05-2025 :

Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.

Assam & Meghalaya - Kamrup Rural, N.C Hills, Karimganj, East Garo Hills, East Khasi Hills, South Garo Hills, West Garo Hills, West Khasi Hills and Jaintia Hills districts.


Nagaland Mizoram Manipur Tripura (NMMT) – Tuensang, Mon, Kiphire, Zunheboto, Kohima, Phek, Ukhrul, Chandel, Bishnupur, North Tripura, South Tripura and West Tripur, Thoubal, Aizawl districts.

Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over Area of Concern (AoC) as shown in map due to expected rainfall occurrence in next 24 hours.



Flash Flood Threat

 **High Threat (Take Action)**

 **Moderate threat (Be Prepared)**

 **Low Threat (Be Updated)**

Flash Flood Risk

 **High Risk (Take Action)**

 **Moderate Risk (Be Prepared)**

 **Low Risk (Be Updated)**

Fishermen Warning Graphics

