



**India Meteorological Department  
(Ministry of Earth Sciences)  
NATIONAL BULLETIN NO. 4 (BoB/01/2025)**

**TIME OF ISSUE: 2050 HOURS IST**

**DATED: 29.05.2025**

**FROM: INDIA METEOROLOGICAL DEPARTMENT**

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**Subject: Deep Depression over coastal West Bengal and adjoining Bangladesh**

The deep depression over coastal West Bengal and adjoining Bangladesh moved slowly northeastwards with a speed of 5 kmph during past 6 hours and lay centred at 1730 hours IST of today, the 29<sup>th</sup> May 2025 over the same region near latitude 22.2° N and longitude 88.6° E, about close to Canning (India) and 100 km west-southwest of Mongla (Bangladesh).

It is very likely to move nearly north-northeastwards and weaken into a depression during next 12 hours and into a well-marked low pressure area during subsequent 24 hours.

**Warnings:**

**(i) Rainfall Warning:**

- ❖ Light to moderate rainfall at most places with heavy to very heavy rainfall at a few places with exceptionally heavy rainfall ( $\geq 30$  cm) at isolated places over Meghalaya and extremely heavy rainfall ( $\geq 20$  cm) at isolated places over Assam and heavy to extremely heavy rainfall at isolated places over Nagaland, Manipur, Mizoram, Tripura, Arunachal Pradesh, Sub-Himalayan West Bengal and Sikkim on 29<sup>th</sup> & 30<sup>th</sup> 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 29<sup>th</sup> 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 29<sup>th</sup> May. Thereafter, it would gradually decrease and becoming 40-50 kmph gusting to 60 kmph by morning of 30<sup>th</sup> 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 30<sup>th</sup> 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 29<sup>th</sup> May till morning of 30<sup>th</sup> 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 29<sup>th</sup> -30<sup>th</sup> 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 29<sup>th</sup> – 30<sup>th</sup> 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 29<sup>th</sup> – 30<sup>th</sup> 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 0230 hours IST of tomorrow, the 30<sup>th</sup> May, 2024.**

**(Ananda Kumar Das)**

**Scientist-F, RSMC & IMD, New Delhi**

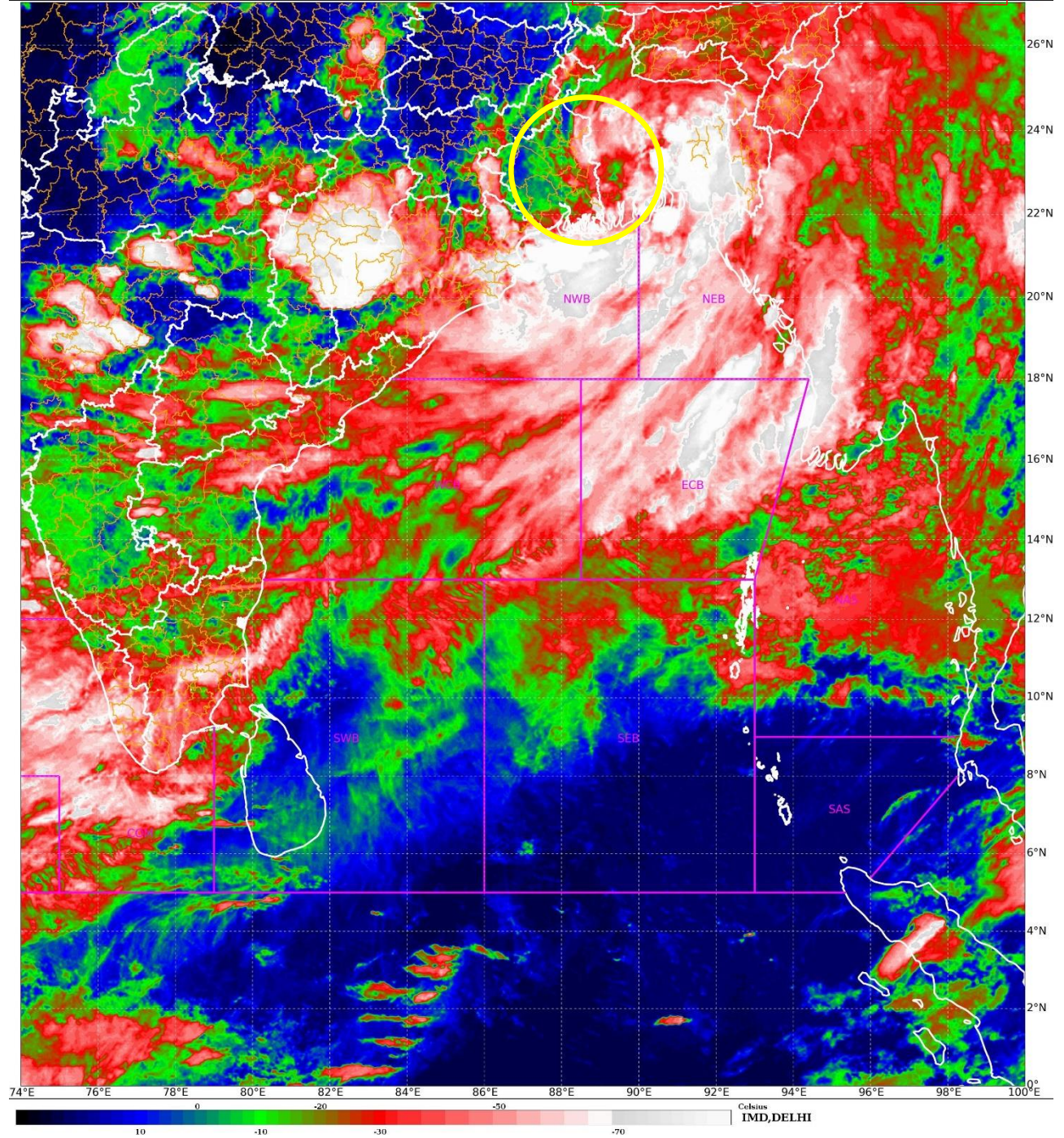
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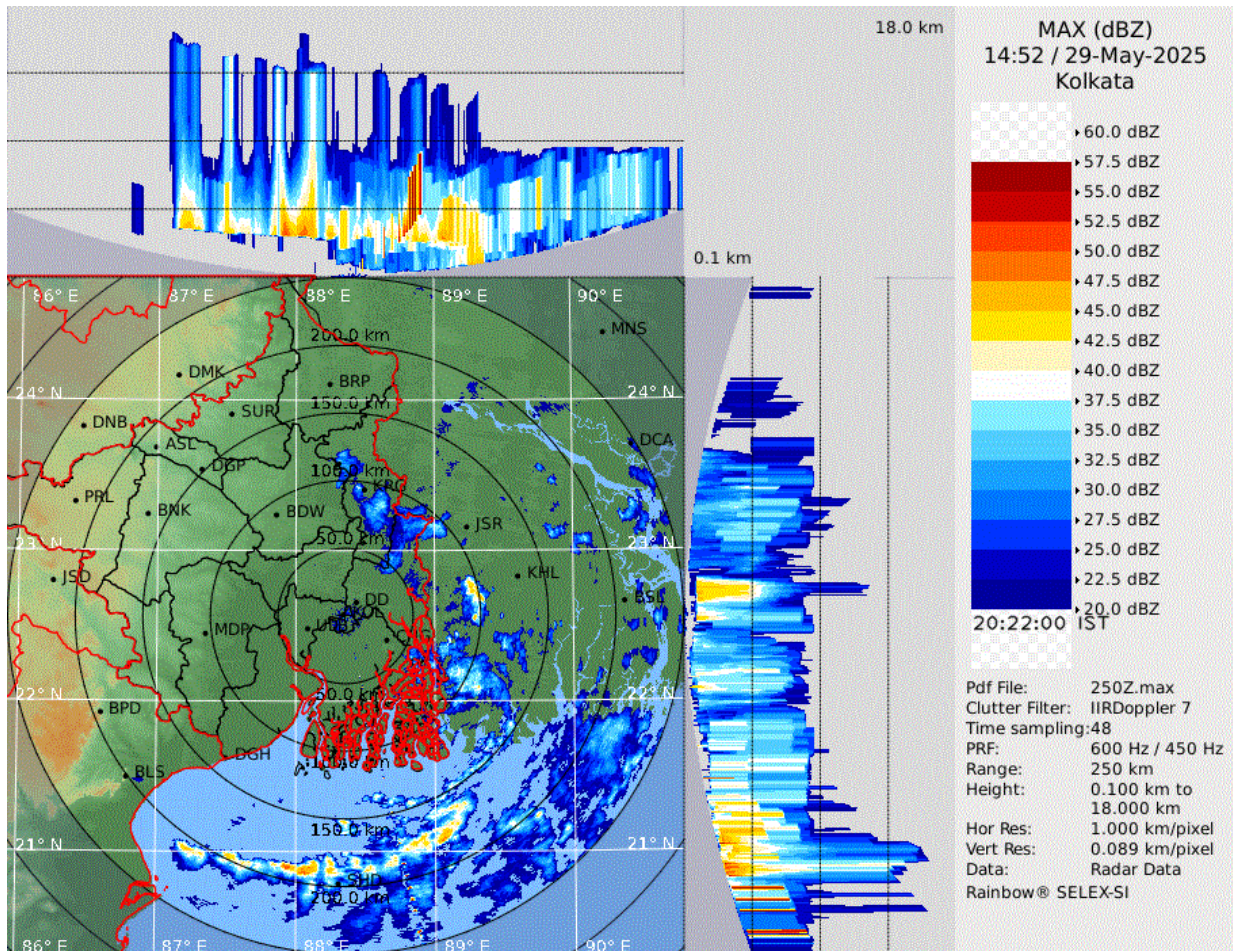
# DEEP DEPRESSION (22.2N, 88.6E)

SAT : INSAT-3DR IMG  
IMG\_TIR1\_TEMP 10.8 um  
L1C Mercator

29-05-2025/(1345 to 1412) GMT  
29-05-2025/(1915 to 1942) IST







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





**OBSERVED AND FORECAST TRACK OF DEEP DEPRESSION OVER COASTAL WEST BENGAL  
& ADJOINING BANGLADESH BASED ON 1200 UTC (1730 IST) OF 29<sup>th</sup> 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 ( $\geq 120$  KT)**



**LESS THAN 34 KT**



**34-47 KT**



**$\geq 48$  KT**



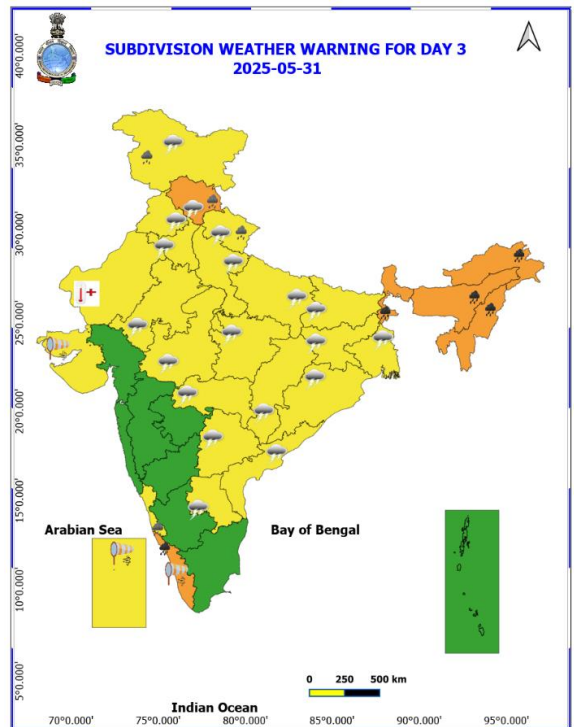
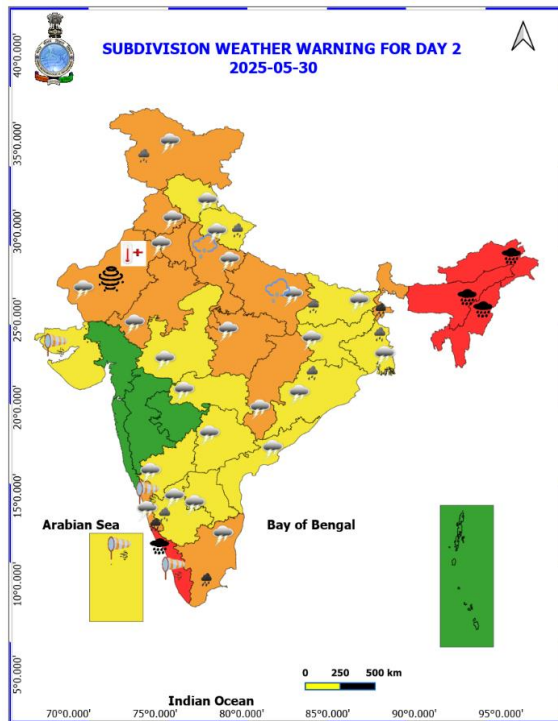
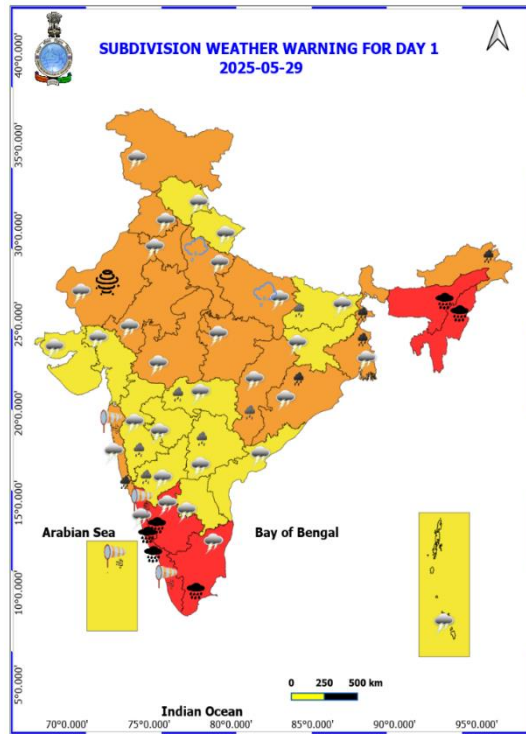
**OBSERVED TRACK**

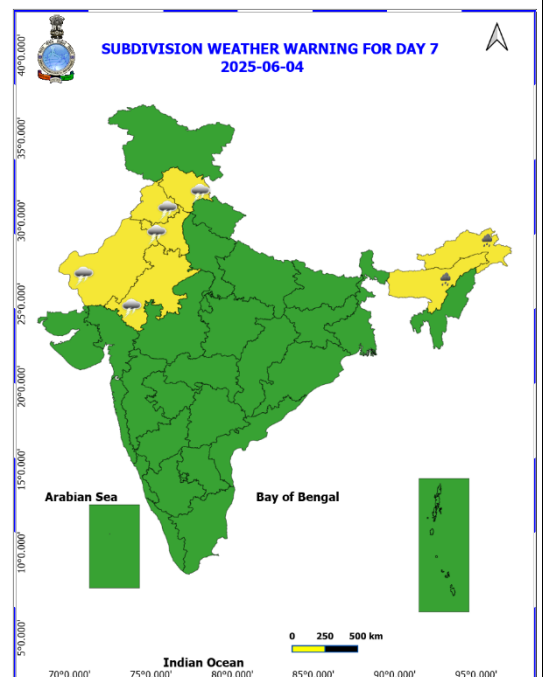
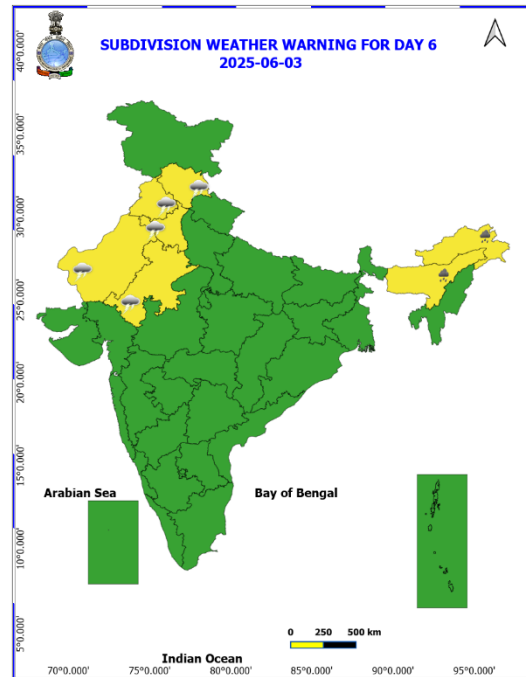
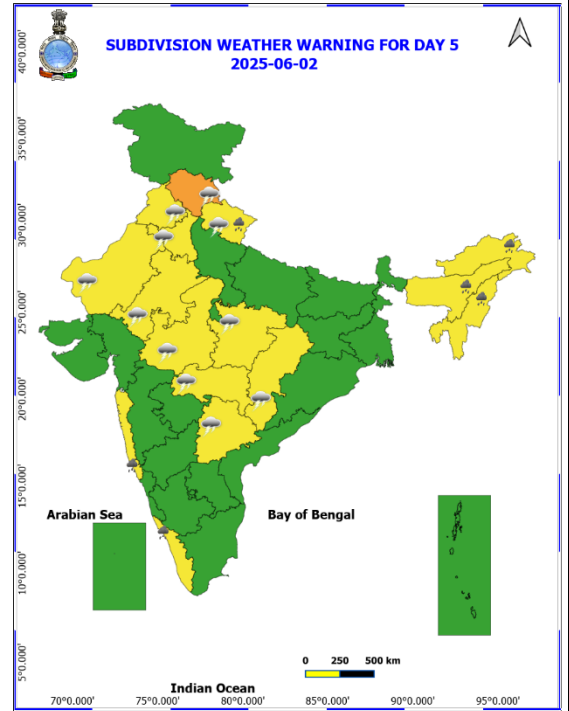
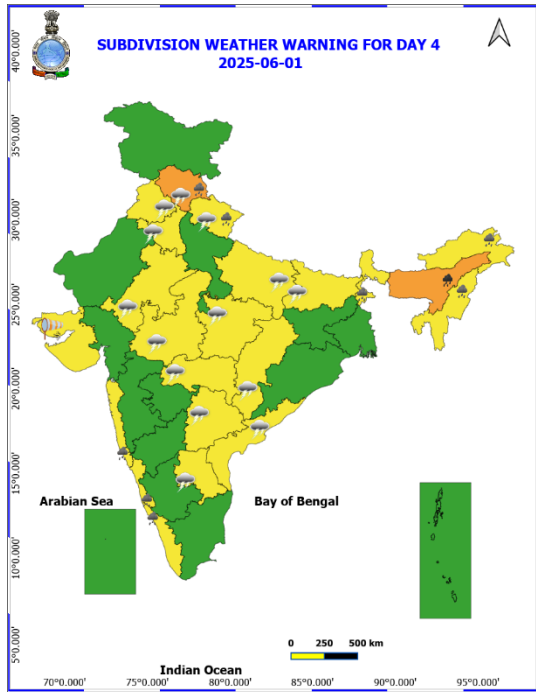


**FORECAST TRACK**



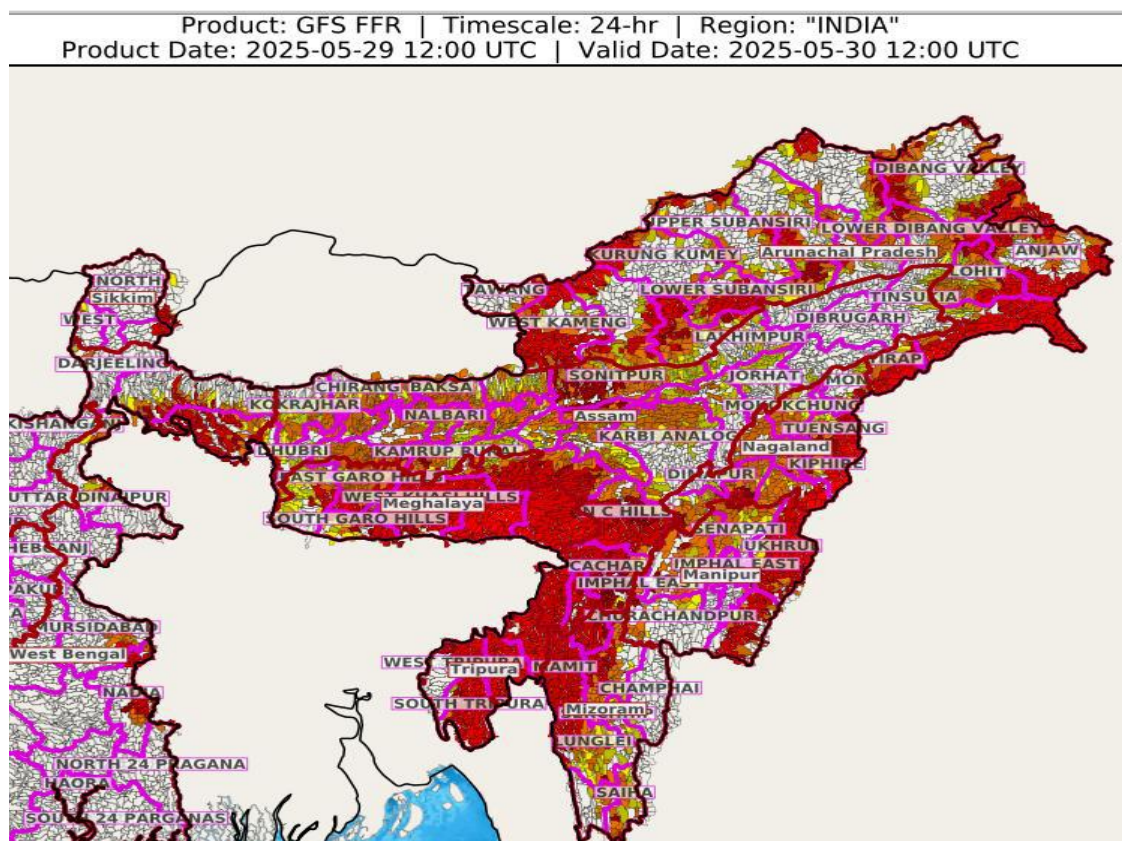
**CONE OF UNCERTAINTY**







## 24 hours Outlook for the Flash Flood Risk (FFR) till 1730 IST of 30-05-2025:



Flash Flood Threat	Flash Flood Risk
<span style="color: red;">■</span> High Threat (Take Action)	<span style="color: red;">■</span> High Risk (Take Action)
<span style="color: orange;">■</span> Moderate threat (Be Prepared)	<span style="color: orange;">■</span> Moderate Risk (Be Prepared)
<span style="color: yellow;">■</span> Low Threat (Be Updated)	<span style="color: yellow;">■</span> Low Risk (Be Updated)

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

**Arunachal Pradesh** - Changlang, Dibang Valley, East Kameng, East Siang, Lohit, Lower Dibang Valley, Lower Subansiri, Papum-Pare, Tawang, Tirap, West Kameng, West Siang, Anjaw, Upper Siang and Kurung Kumey districts.

**Assam & Meghalaya** - Baksa, Barpeta, Bongaigaon, Cachar, Chirang, Darrang, Dhemaji, Dibrugarh, Goalpara, Golaghat, Hailakandi, Jorhat, Kamrup Metro, Kamrup Rural, Karbi Analog, Kokrajhar, Lakhimpur, Morigaon, N.C Hills, Nagaon, Nalbari, Sibsagar, Sonitpur, Tinsukia, Udalguri, Karimganj, East Garo Hills, East Jaintia Hills, East Khasi Hills, North Garo Hills, Ri Bhoi, South Garo Hills, South West Garo Hills, South West Khasi Hills, West Garo Hills, West Jaintia Hills, West Khasi Hills, Dhubri and Jaintia Hills districts.

**Nagaland Mizoram Manipur Tripura (NMMT)** - Bishnupur, Chandel, Churachandpur, Imphal East, Imphal West, Senapati, Tamenglong, Thoubal, Ukhrul, Aizawl, Champhai, Kolasib, Lawngtlai, Lunglei, Mamit, Saiha, Serchhip, Dimapur, Kiphire, Kohima, Longleng, Mokokchung, Mon, Peren, Phek, Tuensang, Wokha, Zunheboto, Dhalai, Gomati, Khowai, North Tripura, Sipahijala, South Tripura, Unakoti and West Tripura districts.



## Fishermen Warning Graphics

