



**India Meteorological Department
(Ministry of Earth Sciences)
NATIONAL BULLETIN NO. 3 (BoB/01/2025)**

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DATED: 29.05.2025

FROM: INDIA METEOROLOGICAL DEPARTMENT

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Subject: Deep Depression crossed West Bengal-Bangladesh Coasts close to Raidighi

The deep depression over Northwest Bay of Bengal off West Bengal-Bangladesh coasts moved nearly northwards with a speed of 22 kmph during past 6 hours and crossed West Bengal – Bangladesh coasts between Sagar Island & Khepupara (Bangladesh) close to Raidighi(West Bengal) during 1030-1130 hrs IST and lay centred at 1130 hours IST of today, the 29th May 2025 over West Bengal-Bangladesh coasts near latitude 22.0° N and longitude 88.4° E, close to Raidighi, about 40 km southwest of Canning (India), 130 km west-southwest of Mongla (Bangladesh) and 190 km west of Khepupara (Bangladesh).

It is very likely to move nearly north-northeastwards, maintain its intensity of deep depression till evening and weaken gradually into a depression thereafter.

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 (≥ 30 cm) at isolated places over Meghalaya** and extremely heavy rainfall (≥ 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 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.

- (vi)** 24 hours cumulative realised rainfall ending at 0830 hours IST of 29th May is placed at Annexure-1.

Next bulletin will be issued at 2030 hours IST of today, the 29th May, 2024.

(Monica Sharma)

Scientist-D, RSMC & IMD, New Delhi

Copy to: ACWC Kolkata/ACWC Chennai/CWC Bhubaneswar/CWC Vishakhapatnam/Meteorological Centres-Port Blair/ Itanagar/ Kohima/ Agartala/ Gangtok/ Imphal/ Aizwal/ Shillong/ Gangtok/ Regional Meteorological Centre Guwahati

Annexure 1

Rainfall recorded (in cm) reported during past 24 hours till 0830 hours IST of today:

- ❖ Odisha: Lanjigarh (dist Kalahandi) 10; Chilika (dist Khurda) 8; Krishnaprasad (dist Puri), Ganjam (dist Ganjam), Begunia (dist Khurda), Angul (dist Angul) 7 each;
- ❖ Assam & Meghalaya: Kokrajhar (dist Kokrajhar), Dhupdhara ARG (dist Goalpara) 8 Each; Gharmura (dist Hailakandi), Bahalpur (dist Dhubri) 7 each;
- ❖ Nagaland, Manipur, Mizoram & Tripura: Chandel AWS (dist Chandel) 8;
- ❖ Sub Himalayan West Bengal & Sikkim: Lava (dist Darjeeling), Lava (dist Kalimpong) 7 each;

Realised Gusty Winds (KMPH) during past 24hours ending at 0300 UTC of today i.e. 29.05.2025:

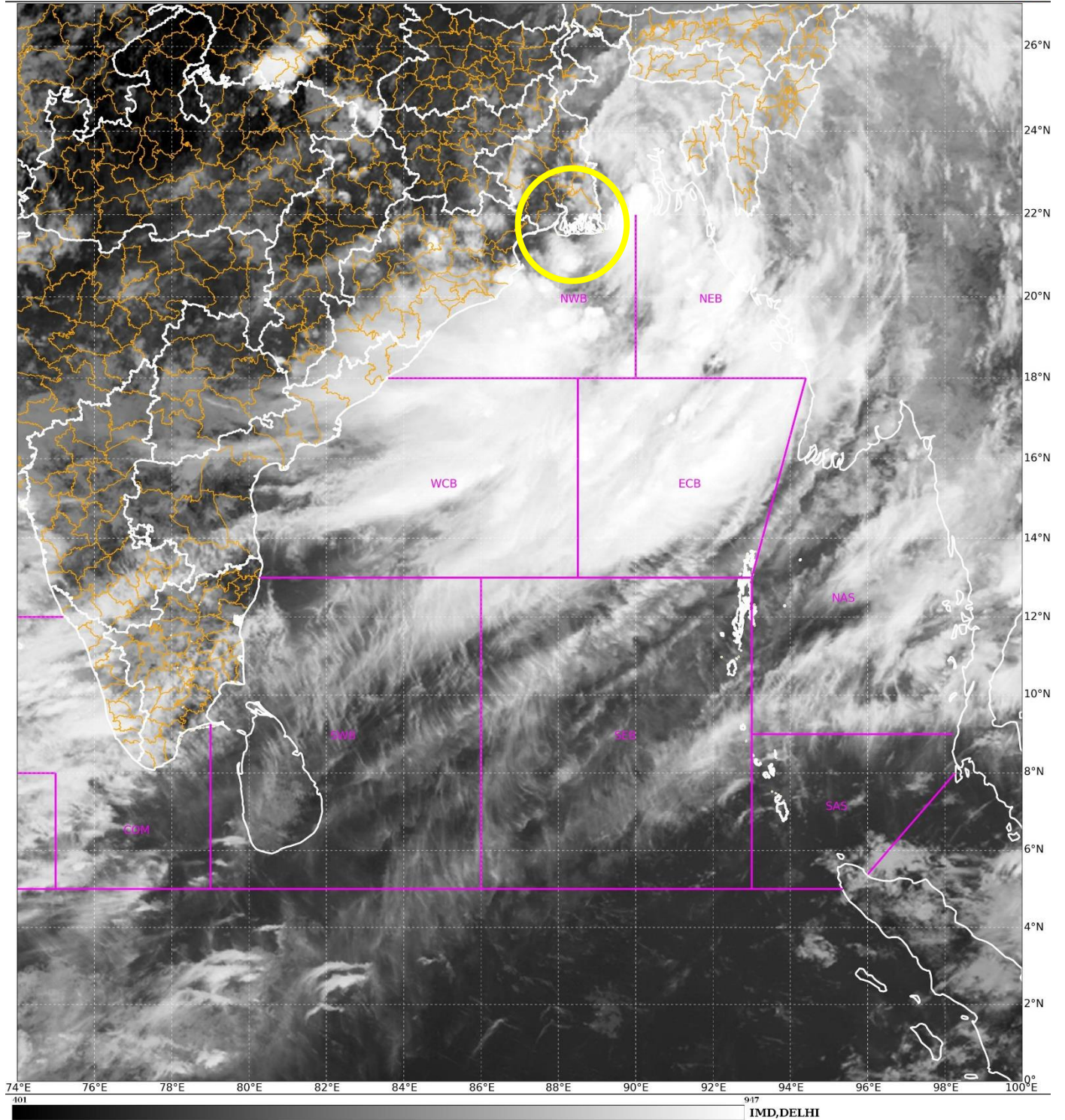
- ❖ Assam & Meghalaya: Gossaigaon 68, Kokrajhar 47, Dhubri 45, Goalpara 43,
- ❖ Gangetic West Bengal: Amta 46; Canning 41; Raidighi 39; Digha, Diamond Harbour 37; Sonarpur 35; Jagatballavpur, Berhampore, Kalyani, Purulia, Alipore 33; Dum Dum 31; Durgapur & Nimpith 30 each
- ❖ Mizoram: Saiha 42
- ❖ Odisha: Ranital, Mayurbhanj 43
- ❖ Sub-Himalayan West Bengal & Sikkim: Dhupguri 41; Mal 33; Ramshai & Malda 30 each;

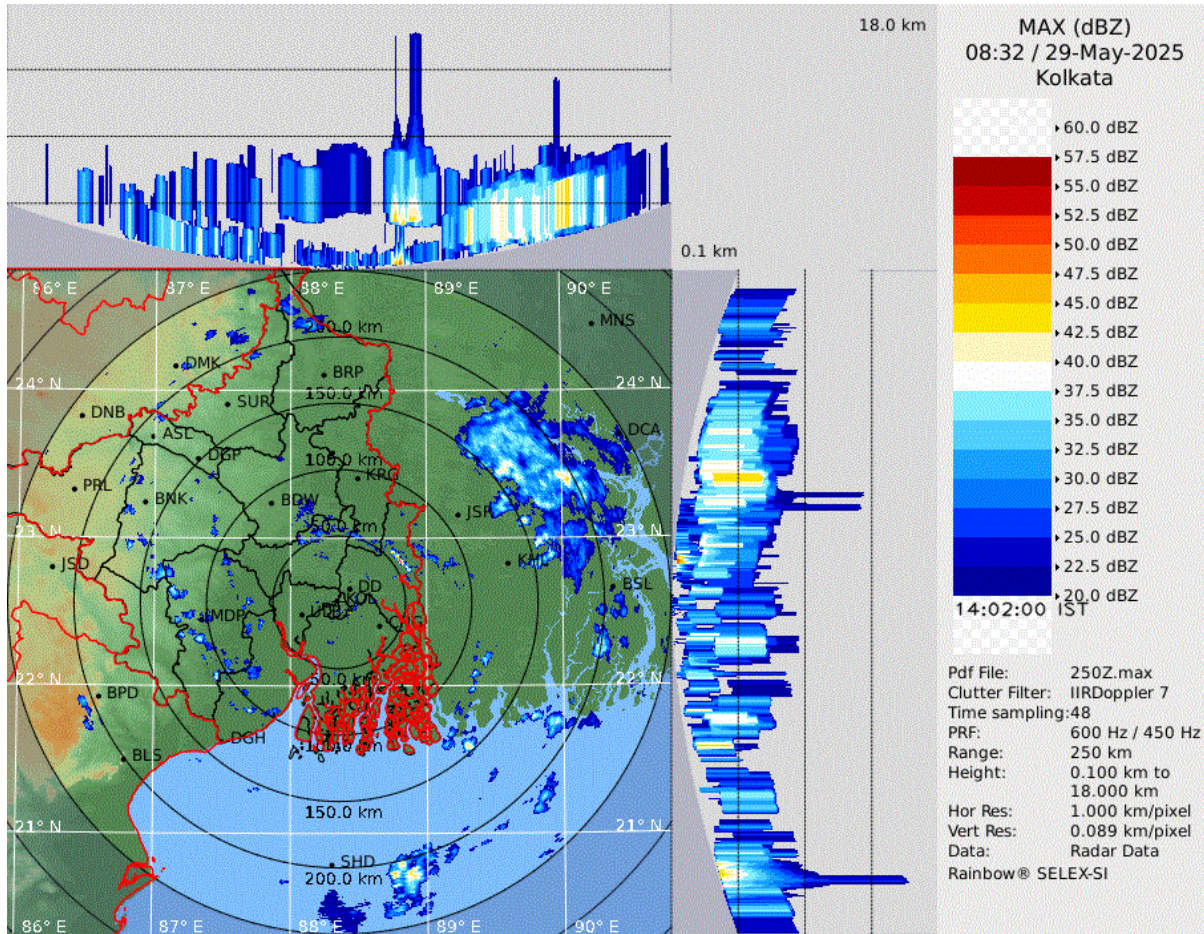
AWS: Automatic Weather Station

DEEP DEPRESSION (22.0N, 88.4E)

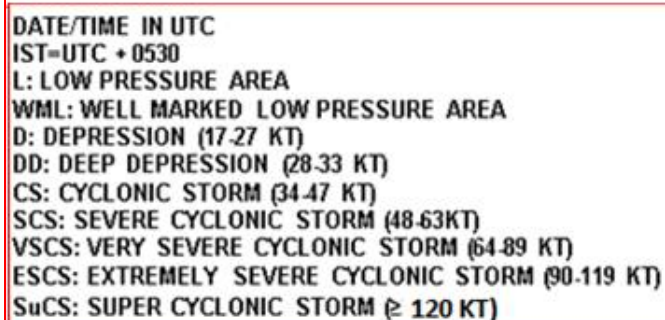
SAT : INSAT-3DR IMG
IMG_TIR1 10.8 um
L1C Mercator







29-05-2025/(0615 to 0642) GMT
29-05-2025/(1145 to 1212) IST

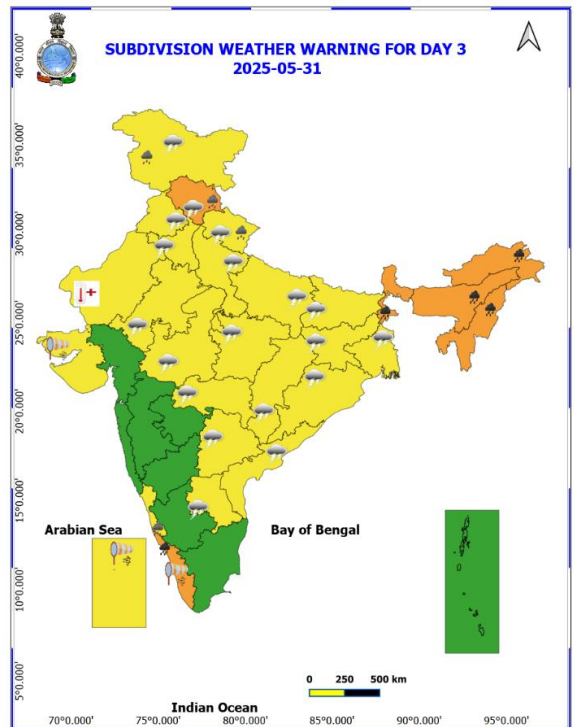
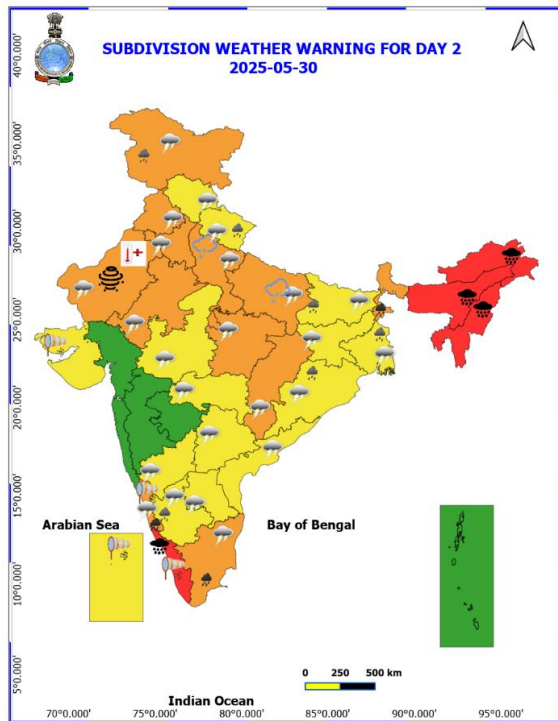
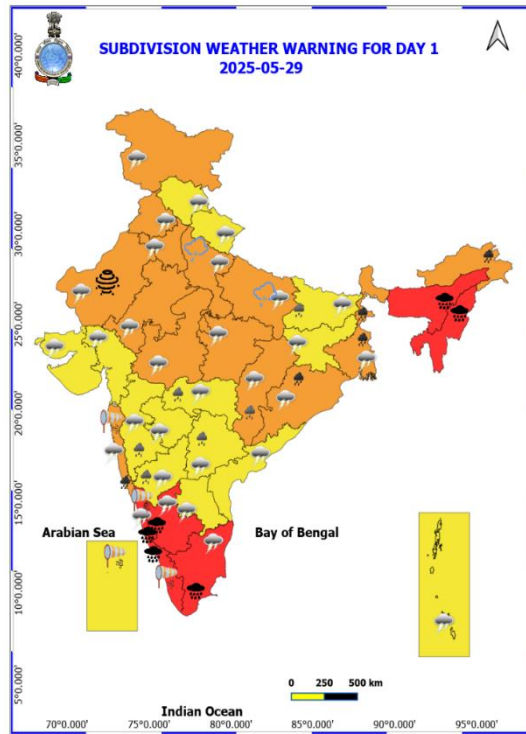


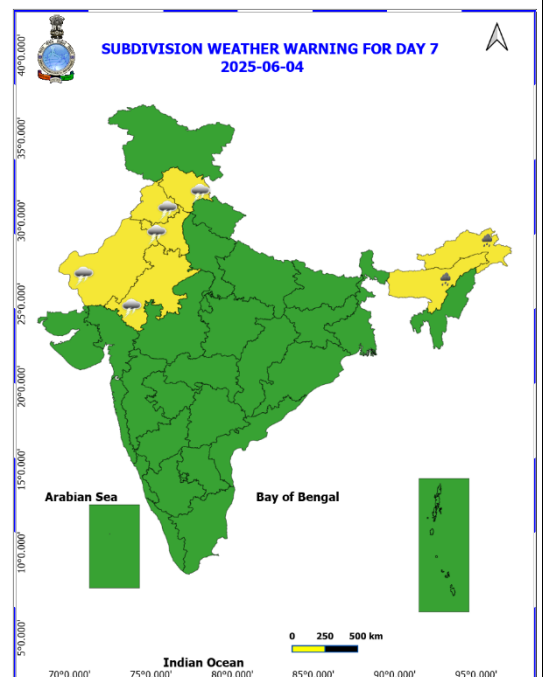
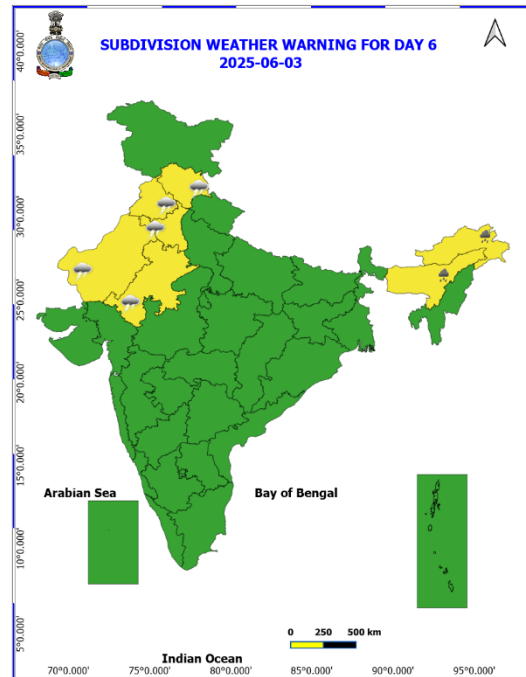
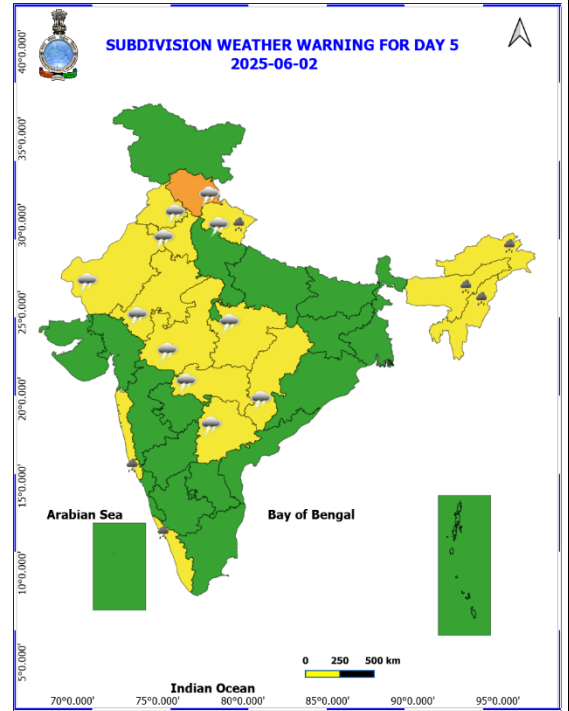
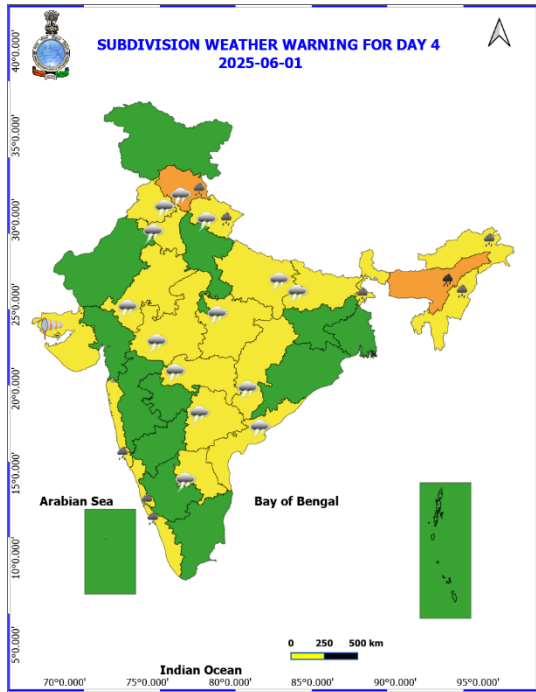


Maximum Reflectivity (dBZ) Observation by Doppler Weather Radar (DWR) at Kolkata



-  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 1130 IST of 30-05-2025:

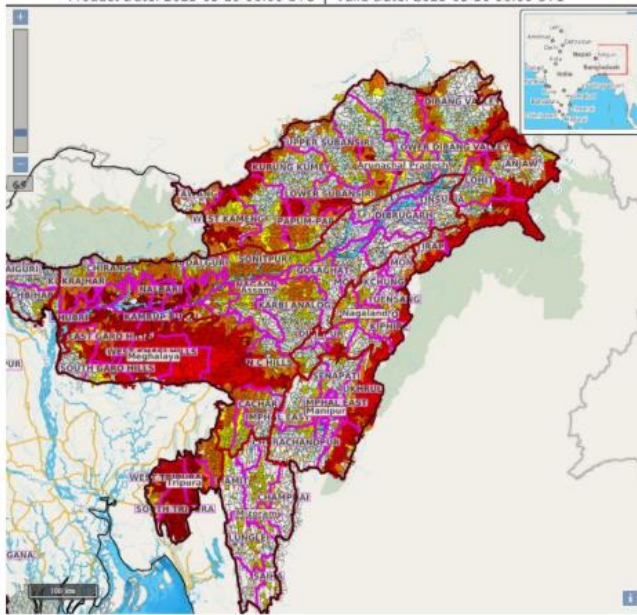
Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.

Assam & Meghalaya - Kamrup Rural, N.C Hills, Karimganj, Kokrajhar, Ro-Bhoi, Darang, Morigaon, Sonitpur, Karbi Analog, Cachar, East/West Khasi Hills, West/East/South Garo Hills and Jaintia Hills districts.

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

Arunacahal Pradesh – Tirap, Changlang, Anjaw, Dabang Valley, Lower Dabang Valley, West Siang, Lower Subansiri, Papum Pare, Kurung Kumey, West/West Kameng, Tawang,

Product: GFS FFR | Timescale: 24-hr | Region: "INDIA"
Product Date: 2025-05-29 06:00 UTC | Valid Date: 2025-05-30 06:00 UTC



Flash Flood Threat	Flash Flood Risk
 High Threat (Take Action)	 High Risk (Take Action)
 Moderate threat (Be Prepared)	 Moderate Risk (Be Prepared)
 Low Threat (Be Updated)	 Low Risk (Be Updated)

Fishermen Warning Graphics

