



**India Meteorological Department
(Ministry of Earth Sciences)
NATIONAL BULLETIN NO. 8 (BoB/01/2025)**

TIME OF ISSUE: 1430 HOURS IST

DATED: 30.05.2025

FROM: INDIA METEOROLOGICAL DEPARTMENT

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Subject: Depression over North Bangladesh and adjoining Meghalaya

The depression over Bangladesh moved north-northeastwards with a speed of 23 kmph during past 6 hours and lay centred at 1130 hours IST of today, the 30th May 2025 over North Bangladesh **and adjoining Meghalaya** near latitude 25.1° N and longitude 90.2° E, about 40 km south of Tura (Meghalaya) 50 km North of Mymensingh (Bangladesh), 100 km south-southeast of Dhubri (Assam), 180 km west-southwest of Shillong (Meghalaya) and 180 km southwest of Guwahati (Assam).

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

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 (**≥ 21 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 30th May. There could be exceptionally heavy rainfall (**≥ 30 cm**) at isolated places over Meghalaya during the same period.

(ii) Wind Warning:

- ❖ Squally wind speed reaching 45-55 kmph gusting to 65 kmph is very likely to prevail over northeast Bay of Bengal and along & off Bangladesh coasts on 30th May. It would decrease gradually thereafter.
- ❖ Squally wind speed reaching 40-50 kmph gusting to 60 kmph is very likely to prevail over northwest and adjoining eastcentral Bay of Bengal and along & off West Bengal coast on 30th May.
- ❖ Squally wind speed reaching 40-50 kmph gusting to 60 kmph is very likely over Nagaland, Manipur, Mizoram, Tripura, Assam, Meghalaya, Arunachal Pradesh, Sub-Himalayan West Bengal and Sikkim on 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 West Bengal and Bangladesh coasts on 30th May. Sea condition would improve thereafter.

(iv) Fishermen Warning:

Fishermen are advised not to venture into north and adjoining central Bay of Bengal and along & off West Bengal and Bangladesh coasts on 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 heavy rainfall (≥ 7 cm) ending at 0830 hours IST of today, the 30th May is placed at Annexure-1.

Next bulletin will be issued at 2030 hours IST of today, the 30th May, 2025.

(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

24 hours cumulative heavy rainfall ($\geq 7\text{cm}$) ending at 0830 hours IST of today, the 30th May:

Assam & Meghalaya: Cherrapunji(rkm) (dist East Khasi Hills) 38; Mawsynram (dist East Khasi Hills) 26; Mawphlang (dist East Khasi Hills) 25; Cherrapunji (dist East Khasi Hills) 22; Williamnagar (dist East Garo Hills) 17; Mawkyrwat (dist South West Khasi Hills), Resubelpara (dist North Garo Hills) 15 each; Jowai (dist West Jaintia Hills), Bhaghmara (dist South Garo Hills), Umrangso (dist Dima Hasao) 14 each; Shillong CSO (dist East Khasi Hills), Shillong AWS (dist East Khasi Hills) 13 each; Williamnagar AWS (dist East Garo Hills), Khliehriat (dist East Jaintia Hills) 12 each;

Nagaland, Manipur, Mizoram & Tripura: Sonamura (dist Sipahijala) 17; Jirania ARG (dist West Tripura) 16; Arundhutinagar (dist West Tripura), Sonamura ARG (dist Sipahijala) 14 each; Teliamura ARG (dist Khowai), Agartala AP (dist West Tripura), Khowai AWS (dist Khowai), Met Agartala AWS (dist West Tripura), Khowai (dist Khowai) 12 each; Sabroom (dist South Tripura), Budhjongnagar ARG (dist West Tripura) 11 each; Bishalgarh (dist Sipahijala), Amarpur (dist Gomati), Belonia (dist South Tripura), Sabroom AWS (dist South Tripura), Gandachara AWS (dist Dhalai), Belonia ARG (dist South Tripura), Bagafa (dist South Tripura) 9 each;

Arunachal Pradesh: Bomdila AWS (dist West Kameng) 10; Daparijo (dist Upper Subansiri), Daporizo AWS (dist Upper Subansiri), Hawaii (dist Anjaw) 8 each;

Sub Himalayan West Bengal & Sikkim: Kalimpong (dist Kalimpong) 8;

(AWS: Automatic Weather Station, ARG: Automatic Rain Gauge)

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

Assam & Meghalaya: Kamrup 93, Goalpara 88, Bongaigaon 81, Morigaon 65, Dibrugarh 60;

Nagaland, Manipur, Mizoram & Tripura: Saiha 72;

Gangetic West Bengal: Barrackpore 56, Berhampore 48, Amta 39, Kolkata Airport 33, Canning 33;

Odisha: Gunupur 56, Mayurbhanj 39, Cuttack 33, Jagatsinghpur 35;

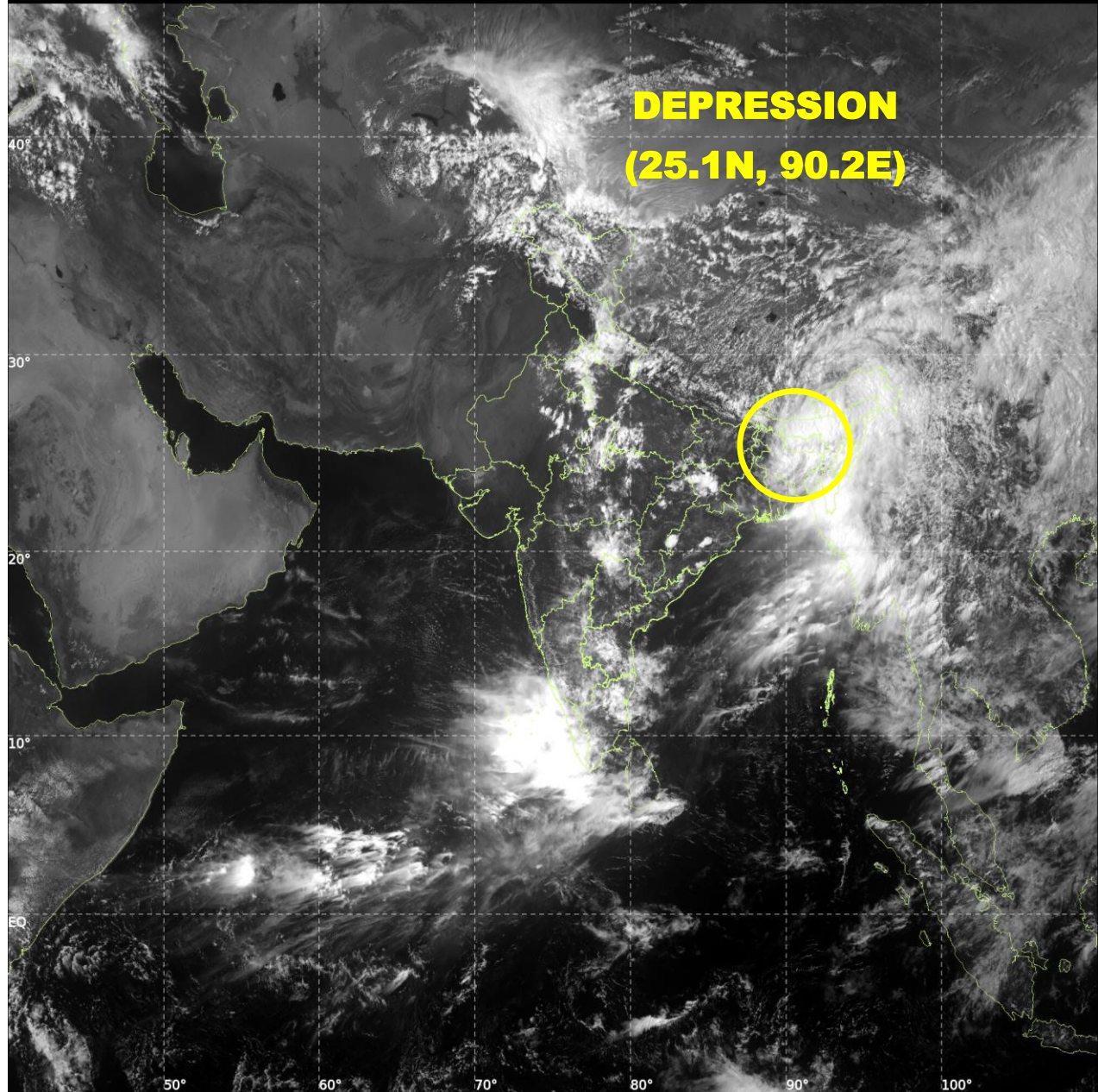
Sub-Himalaya West Bengal & Sikkim: Jalpaiguri 41, Dhupguri 41, Dinhata 39, Malda 37;

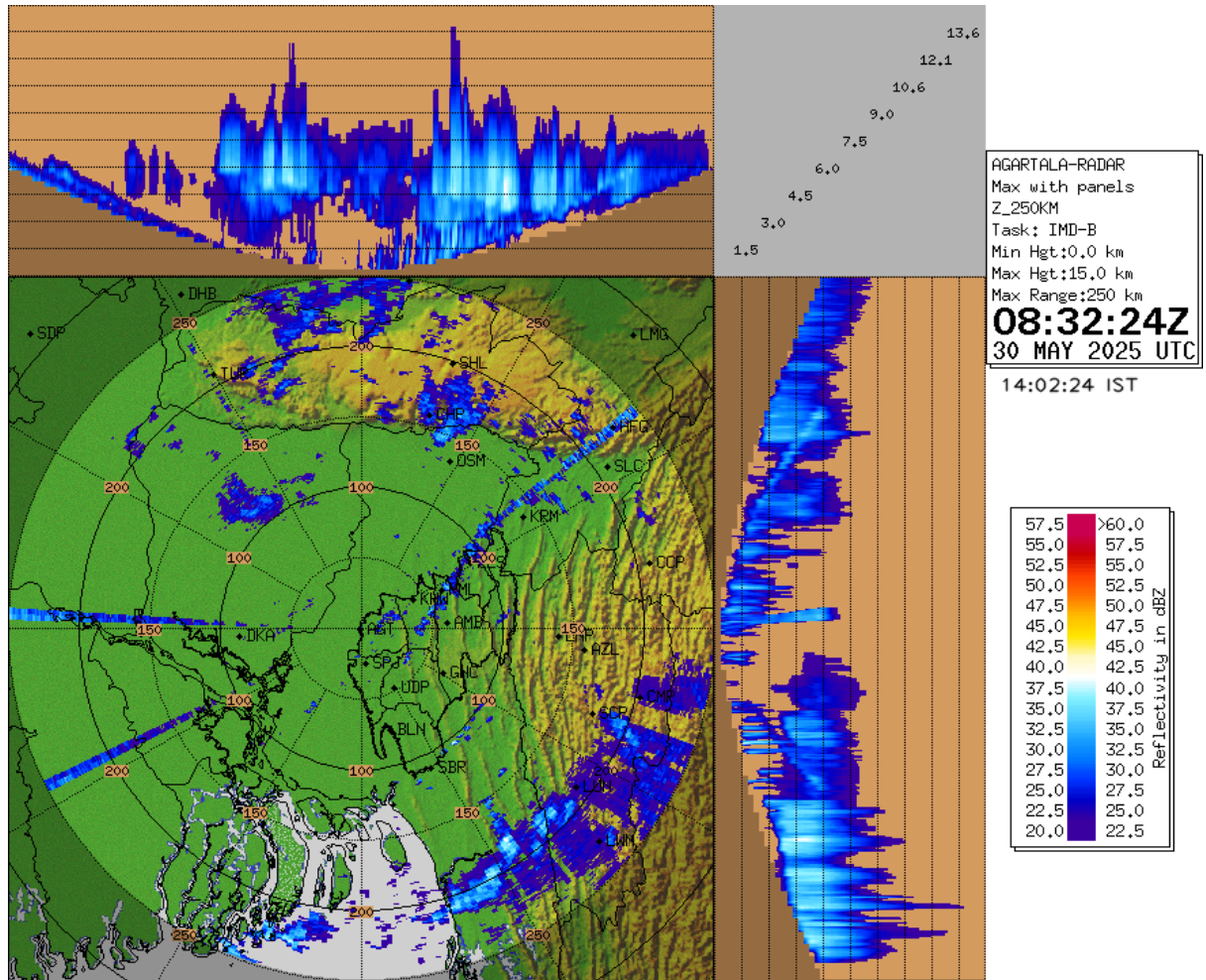


INSAT-3DS IMG, Visible Count @ 0.65 μm
GMT:30-05-2025/(0800-0827) IST:30-05-2025/(1330-1357)
LIC MERCATOR (LINEAR STRETCH: 0.5%)

63

425





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



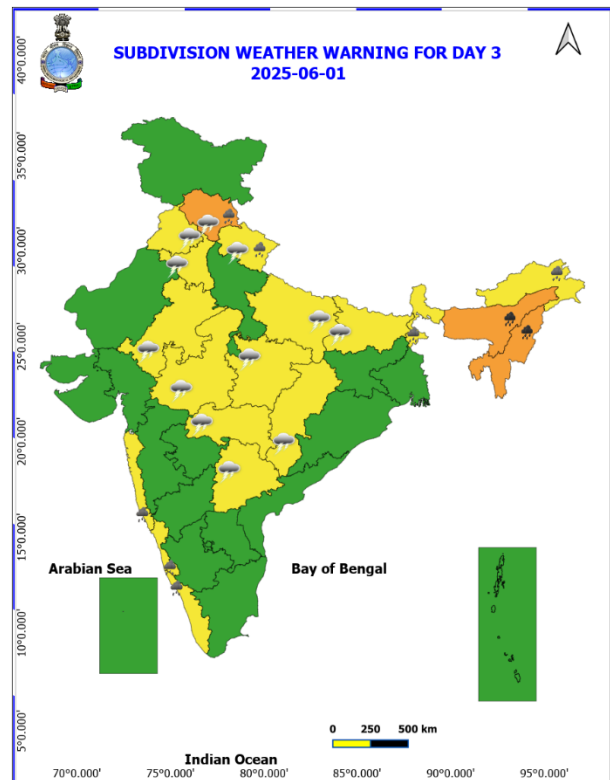
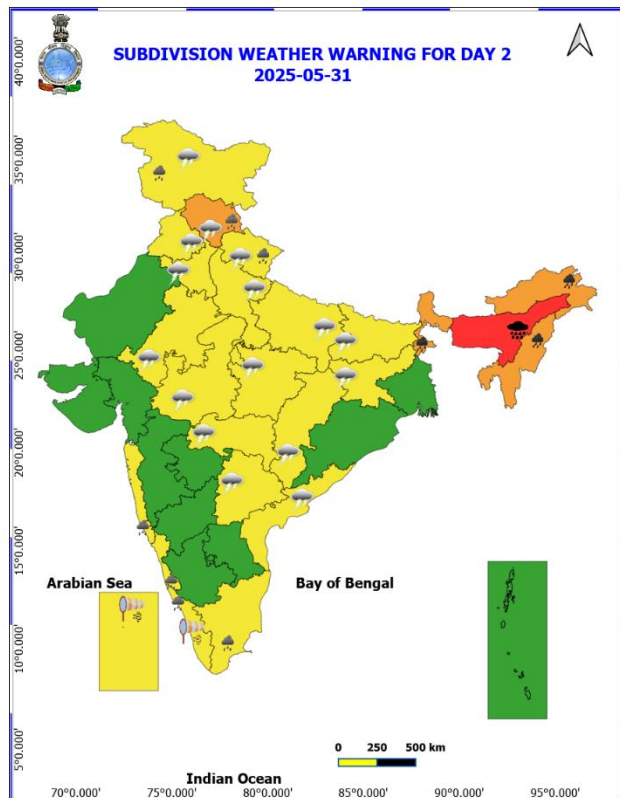
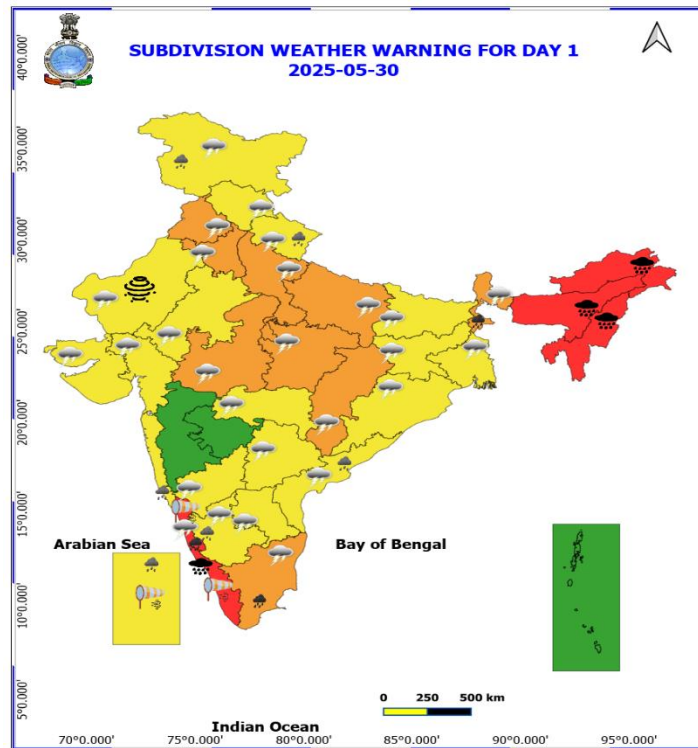
OBSERVED AND FORECAST TRACK OF DEPRESSION OVER NORTH BANGLADESH AND ADJOINING MEGHALAYA BASED ON 0600 UTC (1130 IST) OF 30th MAY, 2025

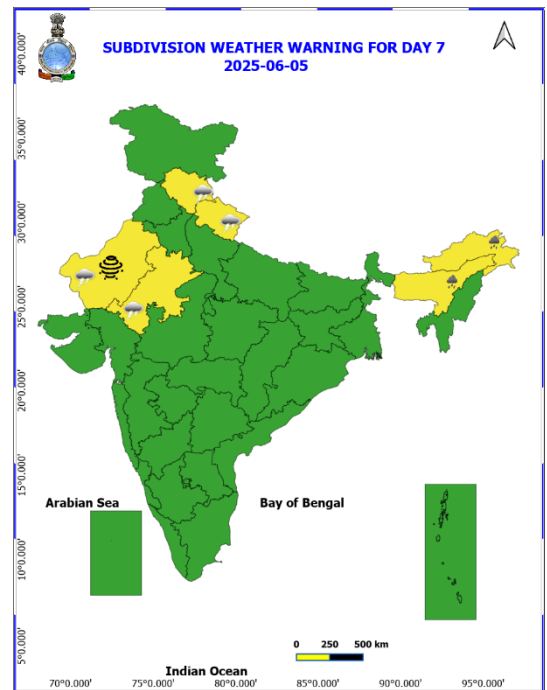
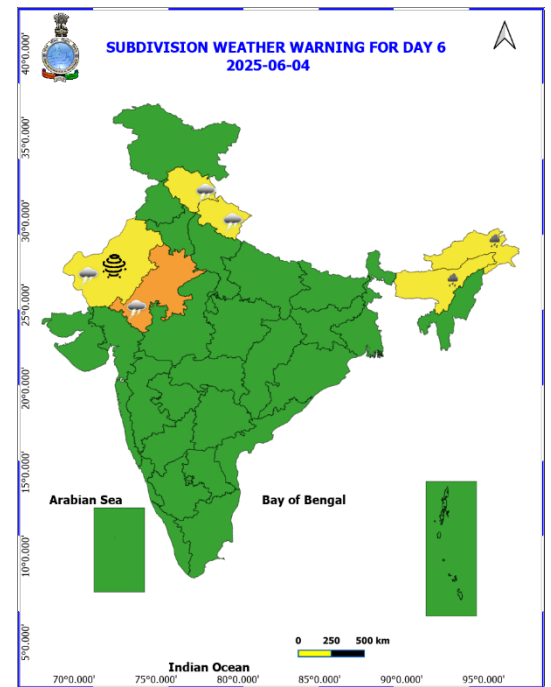
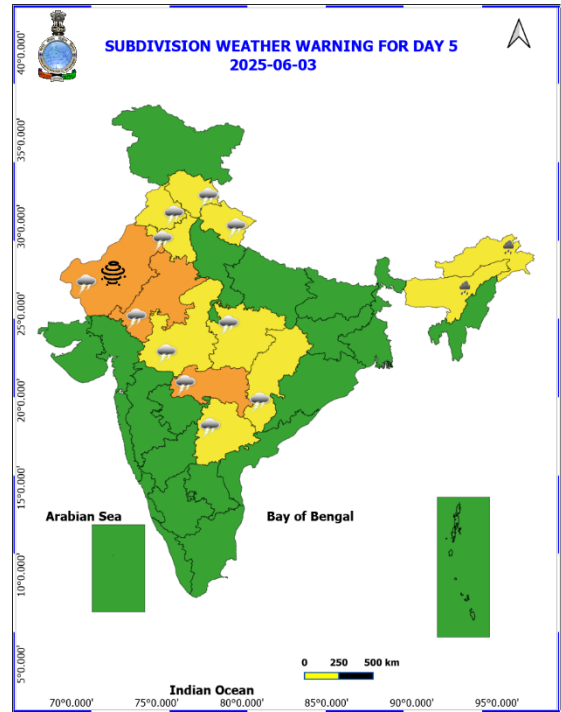
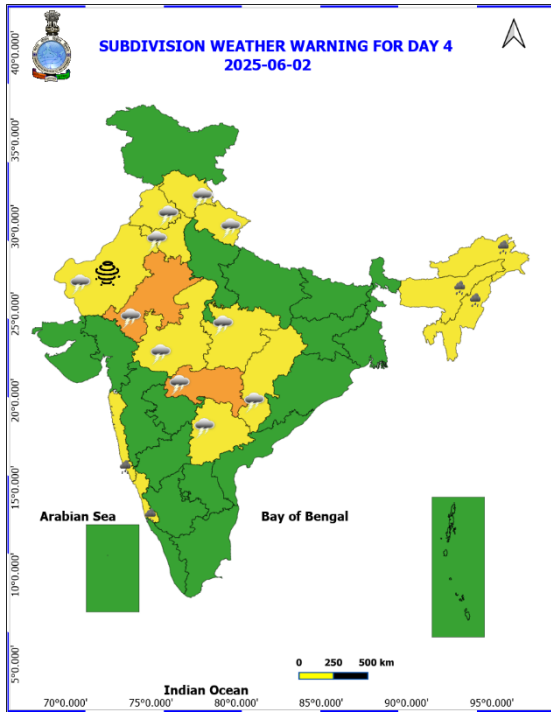


DATE/TIME IN UTC
IST=UTC + 0530
L: LOW PRESSURE AREA
WML: WELL MARKED LOW PRESSURE AREA
D: DEPRESSION (17-27 KT)
DD: DEEP DEPRESSION (28-33 KT)
CS: CYCLONIC STORM (34-47 KT)
SCS: SEVERE CYCLONIC STORM (48-63KT)
VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)
SuCS: SUPER CYCLONIC STORM (≥ 120 KT)

● LESS THAN 34 KT
⬮ 34-47 KT
⬮ ≥ 48 KT
— OBSERVED TRACK
— FORECAST TRACK
▲ CONE OF UNCERTAINTY

Multi-hazard Warning maps

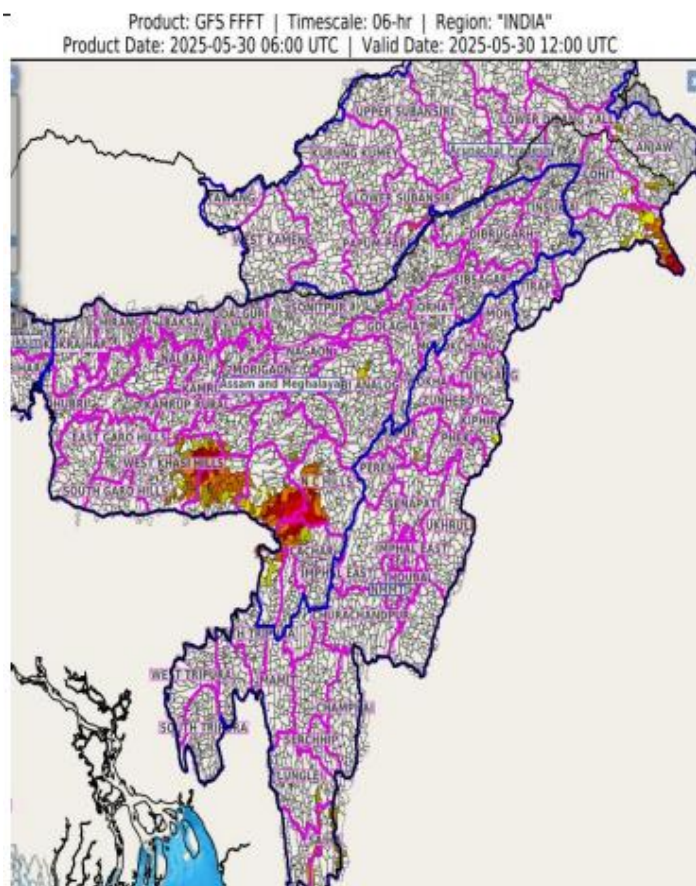







Persistent Flash Flood Threat (PFFT) till 1730 IST of 30-05-2025

Moderate to High flash flood threat likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 6 hours.

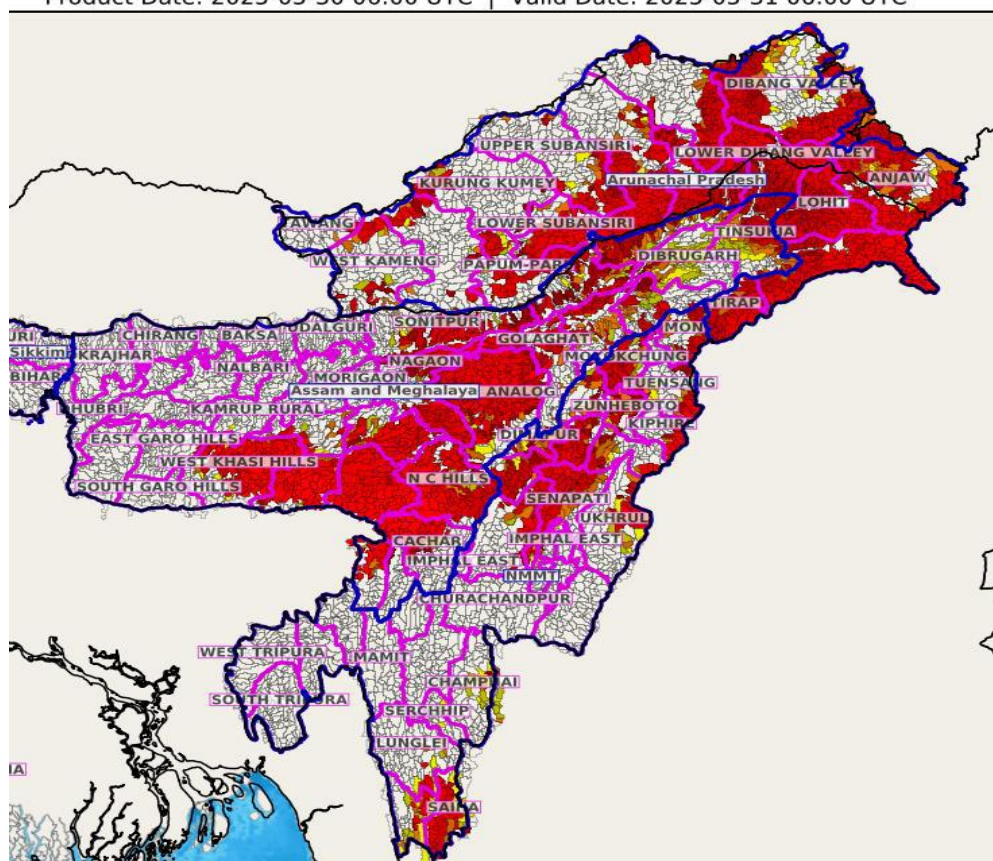
Assam & Meghalaya - Cachar, Karbi Analog, Karimganj, East Khasi Hills and West Khasi Hills districts. Arunachal Pradesh – Changlang, Anjaw and Lohit districts. NMMT Manipur – Ukhrul district Mizoram - Lunglei and Saiha districts. Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over Area of Concern (AoC) as shown in map due to expected rainfall occurrence in next 6 hours.



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

24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 31-05-2025:

Product: GFS FFR | Timescale: 24-hr | Region: "INDIA"
Product Date: 2025-05-30 06:00 UTC | Valid Date: 2025-05-31 06:00 UTC



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

Moderate to High flash flood risk likely over few watersheds & neighbourhoods of following Met Subdivisions 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 - Cachar, Dhemaji, Dibrugarh, Golaghat, Jorhat, Karbi Analog, Lakhimpur, N.C Hills, Nagaon, Sibsagar, Sonitpur, Tinsukia, Karimganj, Ri Bhoi, West Khasi Hills and Jaintia Hills districts.

NMMT Manipur - Bishnupur, Imphal West, Senapati, Tamenglong, Thoubal, Ukhrul,

Mizoram - Aizawl, Champhai, Kolasib, Lawngtlai, Saiha, Serchhip,

Nagaland - Dimapur, Kiphire, Kohima, Longleng, Mokokchung, Mon, Peren, Phek, Tuensang, Wokha, Zunheboto,

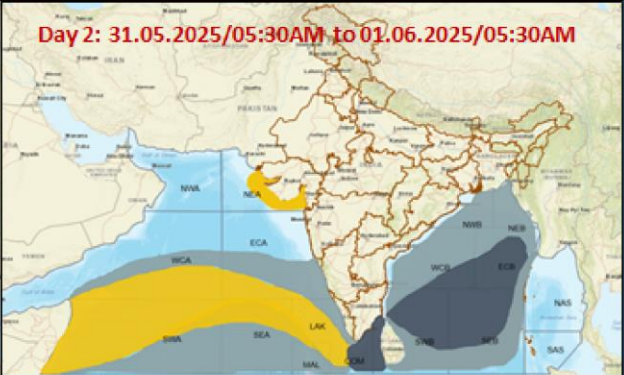
Tripura - Dhalai, Gomati, Khowai, Sipahijala and Unakoti districts.

Fishermen Warning Graphics

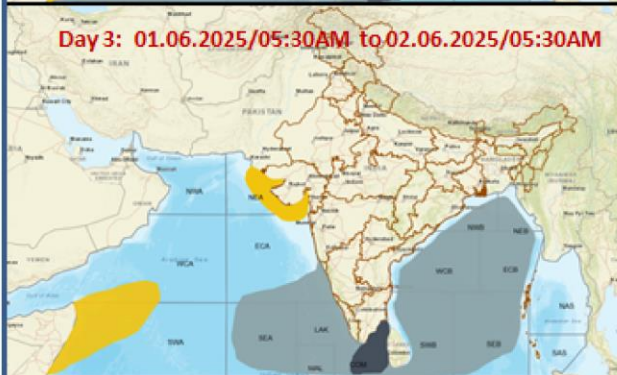
Day 1: 30.05.2025/11:30AM to 31.05.2025/05:30AM



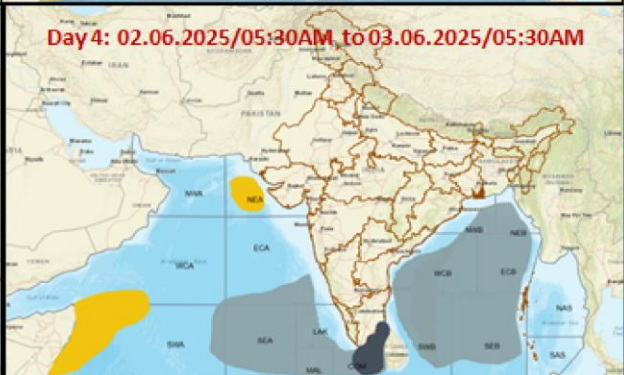
Day 2: 31.05.2025/05:30AM to 01.06.2025/05:30AM



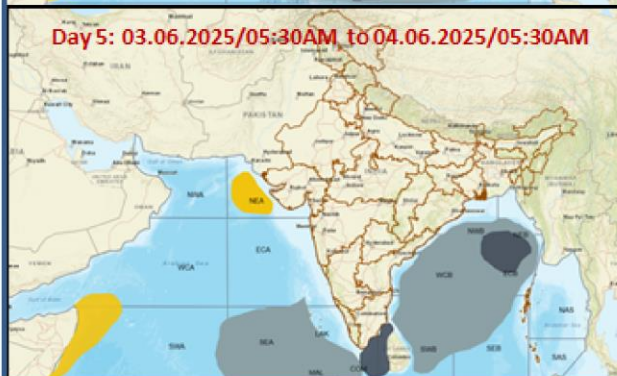
Day 3: 01.06.2025/05:30AM to 02.06.2025/05:30AM



Day 4: 02.06.2025/05:30AM to 03.06.2025/05:30AM



Day 5: 03.06.2025/05:30AM to 04.06.2025/05:30AM



Squally Weather with wind speed 35-50 kmph gusting to 60 kmph

Squally weather with wind speed 45-55 kmph gusting to 65 kmph

Squally wind with speed 45-55 kmph gusting to 65 kmph

Fishermen are advised not to venture into the marked areas.