



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

NATIONAL BULLETIN NO. 4 (BoB/04/2025)

TIME OF ISSUE: 2045 HOURS IST

DATED: 25.07.2025

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

TO: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)

CONTROL ROOM NDMA (FAX.NO. 26701729)

CABINET SECRETARIAT (FAX.NO.23012284, 23018638)

PS TO HON'BLE MINISTER FOR S & T AND EARTH SCIENCES (FAX NO.23316745)

SECRETARY, MOES (FAX NO. 24629777)

H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)

DIRECTOR GENERAL, DOORDARSHAN (23385843)

DIRECTOR GENERAL, AIR (23421105, 23421219)

PIB MOES (FAX NO. 23389042)

UNI (FAX NO. 23355841)

D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX NO. 26105912, 2436 3260)

DIRECTOR, PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)

CHIEF SECRETARY, ODISHA (FAX NO. 0674-2536660)

CHIEF SECRETARY, WEST BENGAL (FAX NO. 033-22144328)

CHIEF SECRETARY, GOVT. OF BIHAR (FAX NO. 0612-2217085)

CHIEF SECRETARY, GOVT. OF JHARKHAND (FAX NO. 0651-2400255)

CHIEF SECRETARY, GOVT. OF CHHATTISGARH (FAX NO. 0771-2221206)

CHIEF SECRETARY, GOVT. OF MADHYA PRADESH (FAX NO. 0755-2551521)

CHIEF SECRETARY, GOVT. OF UTTAR PRADESH (FAX NO. 0522-2239283)

CHIEF SECRETARY, GOVT. OF MAHARASHTRA (FAX NO. 022-22028594)

CHIEF SECRETARY, GOVT. OF RAJASTAN (FAX NO. 0141-2227114)

Subject: Depression over Gangetic West Bengal

The Depression over coastal West Bengal moved west-northwestwards with a speed of 22 kmph during past 6 hours and lay centred at 1730 hrs IST of today, the 25th July over Gangetic West Bengal, near Lat. 22.7°N and Long. 87.4°E, about 30 km north-northeast of Medinipur (West Bengal), 80 km south-southeast of Bankura (West Bengal), 120 km southeast of Purulia (West Bengal) and 130 km east of Jamshedpur (Jharkhand).

It is very likely to move west-northwestwards across Gangetic West Bengal & adjoining North Odisha, Jharkhand and adjoining north Chhattisgarh during next 24 hours.

Warnings:

(i) Rainfall Warning:

Gangetic West Bengal: Light to moderate rainfall at most places with **heavy to very heavy rainfall** at a few places over Gangetic West Bengal and **extremely heavy rainfall (≥ 21 cm)** at isolated places over south Gangetic West Bengal is very likely on 25th July. **Heavy to very heavy rainfall** at isolated places is likely during 26th-28th July.

Odisha: Light to moderate rainfall at most places with **heavy to very heavy rainfall** at a few places over Odisha and **extremely heavy rainfall (≥ 21 cm)** at isolated places over north Odisha is very likely on 25th July. **Heavy to very heavy rainfall** at isolated places over Odisha is likely during 26th-28th July.

Jharkhand: Light to moderate rainfall at most places with **heavy to very heavy rainfall** at a few places over Jharkhand on 25th and 26th July and **extremely heavy rainfall (≥ 21 cm)** is very likely at isolated places over south Jharkhand on 25th July and **heavy rainfall** at isolated places over Jharkhand during 27th-28th July.

Chhattisgarh: Light to moderate rainfall at most places with **heavy to very heavy rainfall** at a few places over Chhattisgarh and **extremely heavy rainfall (≥ 21 cm)** at isolated places over north Chhattisgarh is very likely on 25th & 26th July. **Heavy to very heavy rainfall** at isolated places is likely on 27th & 28th July.

East Madhya Pradesh: Light to moderate rainfall at most places with **heavy to very heavy rainfall** at isolated places is very likely during 25th – 28th July with **extremely heavy rainfall (≥ 21 cm)** on 15th and 26th July.

West Madhya Pradesh: Light to moderate rainfall at most places with **heavy to very heavy rainfall** at isolated places is very likely during 25th – 28th July with **extremely heavy rainfall (≥ 21 cm)** on 26th & 27th July.

Bihar: Light to moderate rainfall at most places with **heavy to very heavy rainfall** at isolated places is very likely on 25 and 26th July. Heavy rainfall at isolated places is likely on 27th July.

Vidarbha: Light to moderate rainfall at most places with **heavy to very heavy rainfall** at a few places and **extremely heavy rainfall (≥ 21 cm)** is very likely at isolated places on 25th and 26th July and **heavy rainfall** at isolated places on 27th July.

East Rajasthan: Light to moderate rainfall at most places with **heavy to very heavy rainfall** at a few places and **extremely heavy rainfall (≥ 21 cm)** is very likely at isolated places on 26th and 27th July and **heavy rainfall** at isolated places on 25th and 27th July

East Uttar Pradesh: Light to moderate rainfall at many places with **heavy rainfall** at isolated places is very likely on 25th & 26th July.

(ii) Wind Warning:

Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely to prevail over north Bay of Bengal, along & off Odisha, West Bengal and Bangladesh coasts for next 24 hours. Squally wind speed reaching 30-40 kmph gusting to 50 kmph is likely over the interior parts of Gangetic West Bengal & Odisha and Jharkhand during next 24 hours.

(iii) Sea Condition:

Sea condition is very likely to be rough to very rough over north Bay of Bengal and along & off Odisha, West Bengal and Bangladesh coasts during next 24 hours.

(iv) Fishermen Warning:

Fishermen are advised not to venture into north Bay of Bengal, along & off Odisha, West Bengal and Bangladesh coasts for next 24 hours.

(v) Impact Expected and Action Suggested due to heavy rainfall and squally winds (Odisha, Gangetic West Bengal, Chhattisgarh, Jharkhand, Bihar)

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.

Significant rainfall recorded (in cm) (from 0830 Hrs IST to 1730 Hrs IST of today, the 25 July 2025 are given in Annexure-I

Next bulletin will be issued at 0230 hours IST of tomorrow, the 26th July, 2025.

(Ananda Kumar Das)
Scientist F, IMD New Delhi

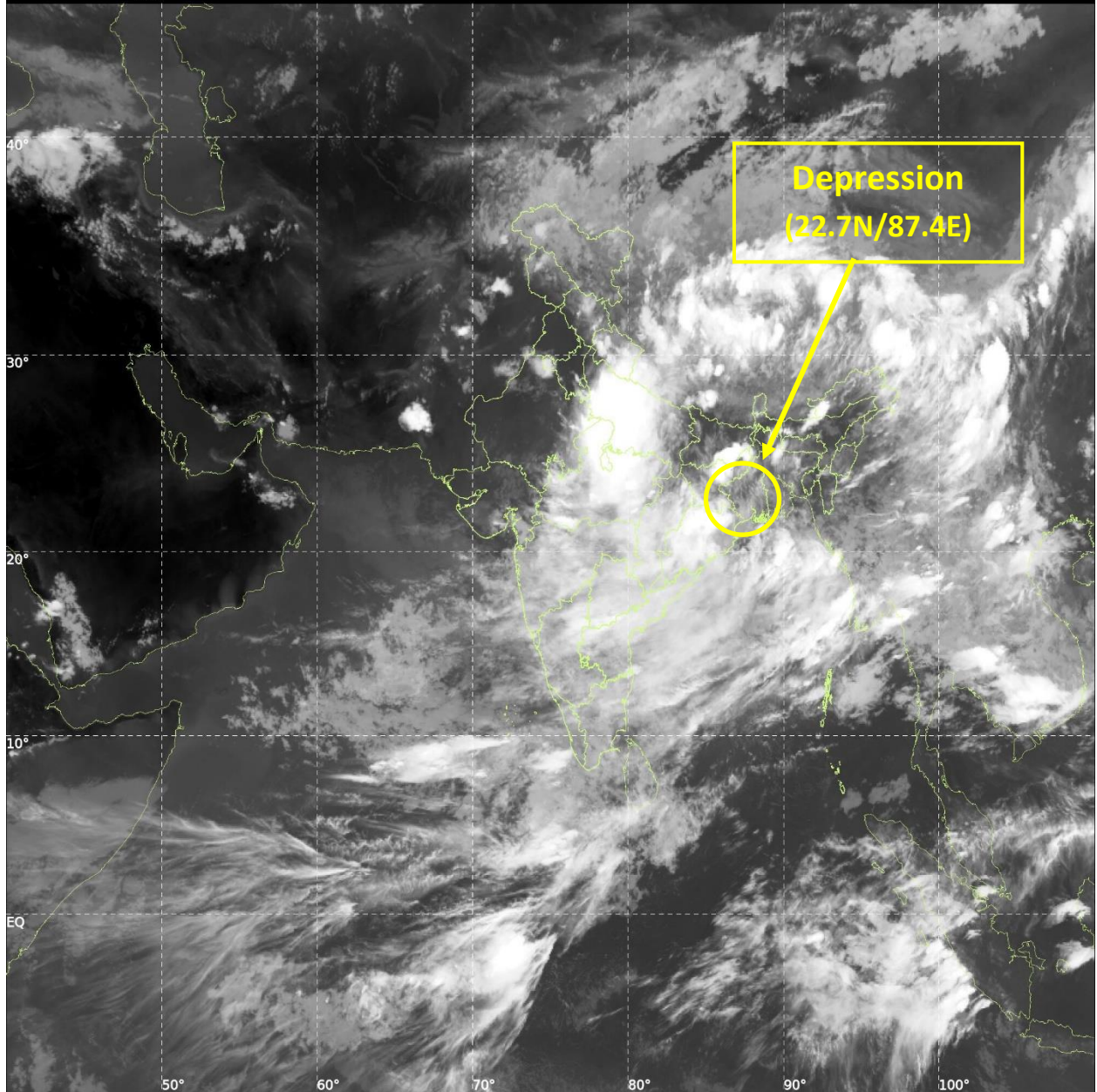
Copy to: ACWC Kolkata /CWC Bhubaneswar/CWC Vishakhapatnam/Meteorological Centres- Ranchi, Raipur, Patna, Bhopal, Lucknow, Jaipur, Mumbai, Nagpur



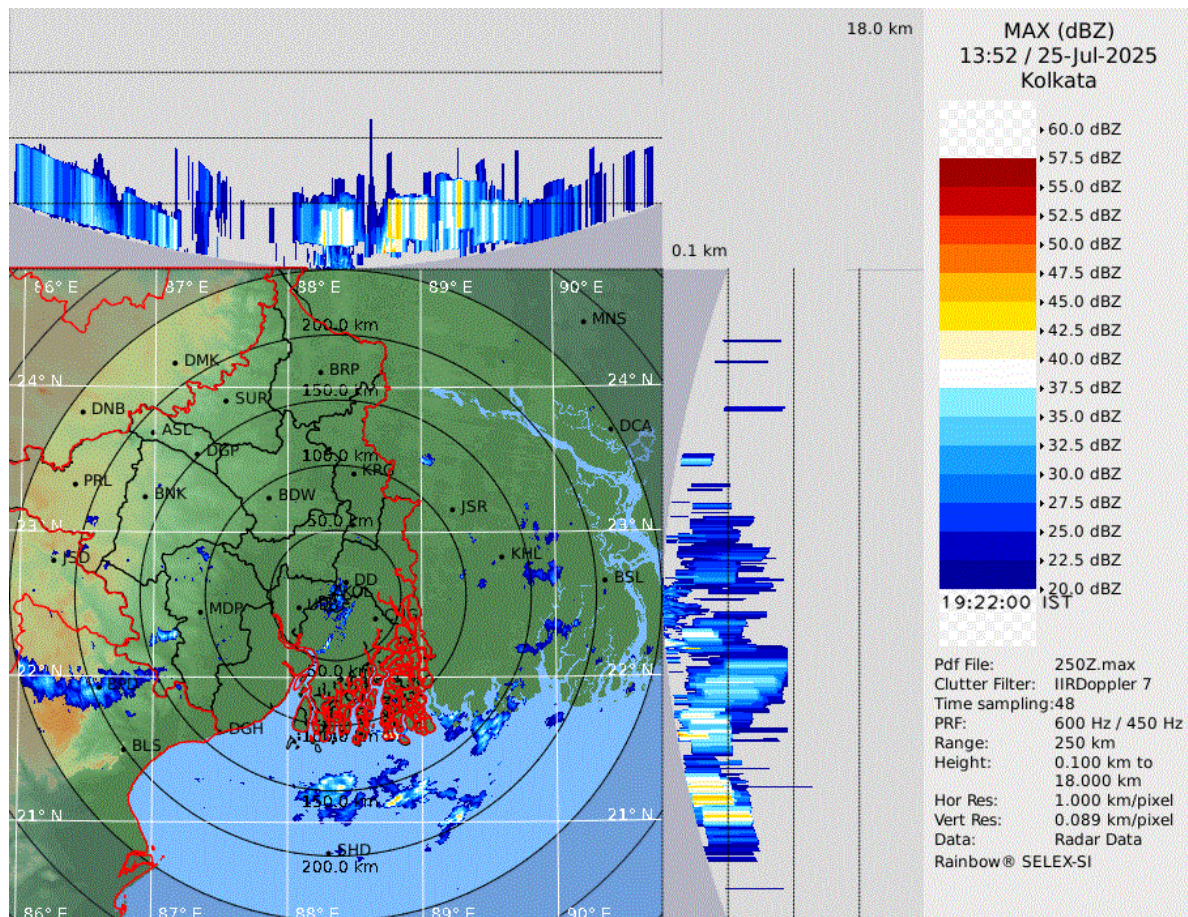
INSAT-3DS IMG, Thermal Infrared1 Count @ 10.83 μm
GMT:25-07-2025/(1400-1427) IST:25-07-2025/(1930-1957)
L1C MERCATOR (LINEAR STRETCH: 1%)

381

915

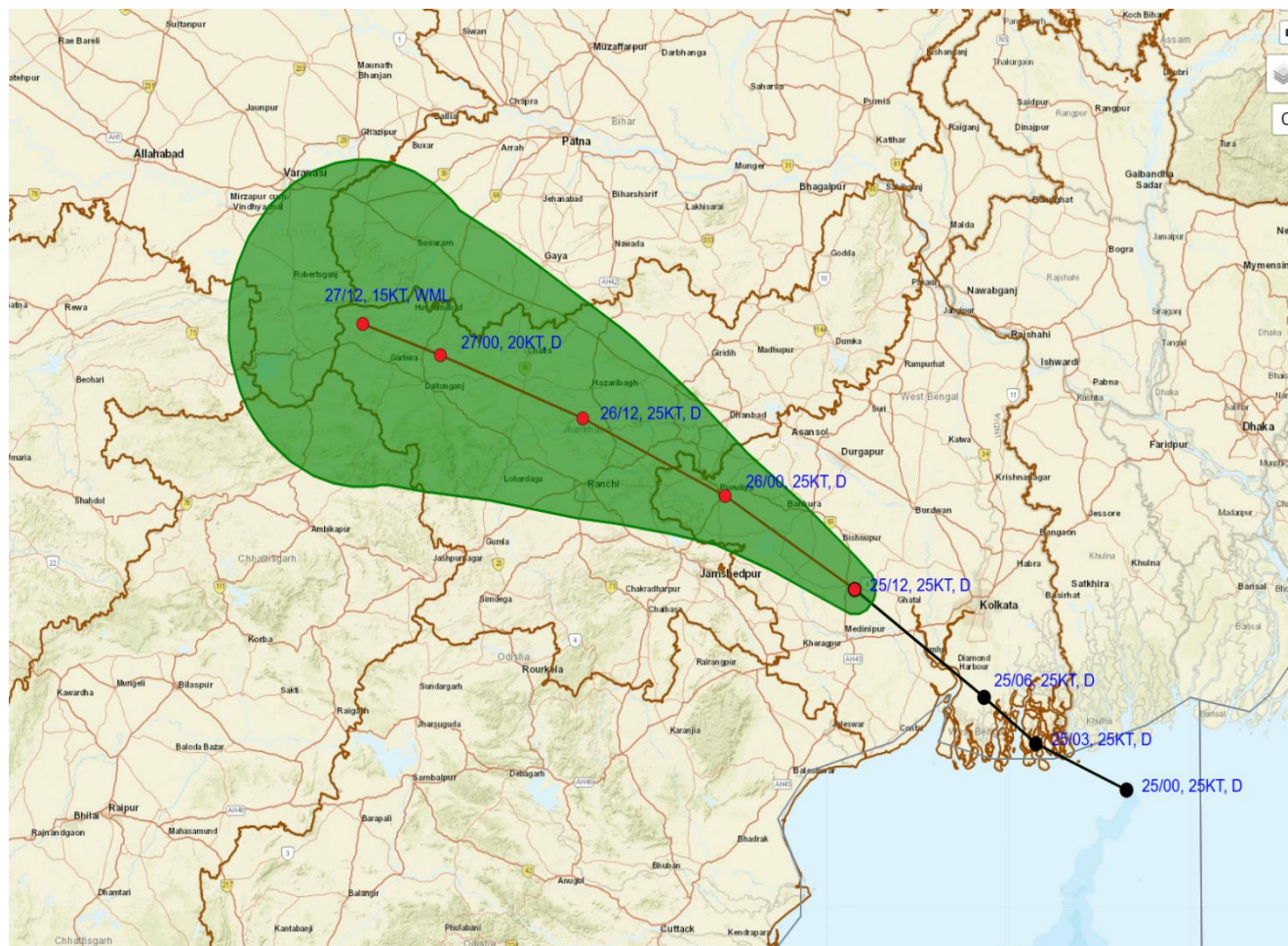


Maximum reflectivity imagery from Kolkata Radar





OBSERVED AND FORECAST TRACK OF DEPRESSION OVER GANGETIC WEST BENGAL AT 1730 HRS. IST (1200 UTC) OF 25th JULY 2025



DATE/TIME IN UTC

IST=UTC + 0530

1KT=1.85 KMPH

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

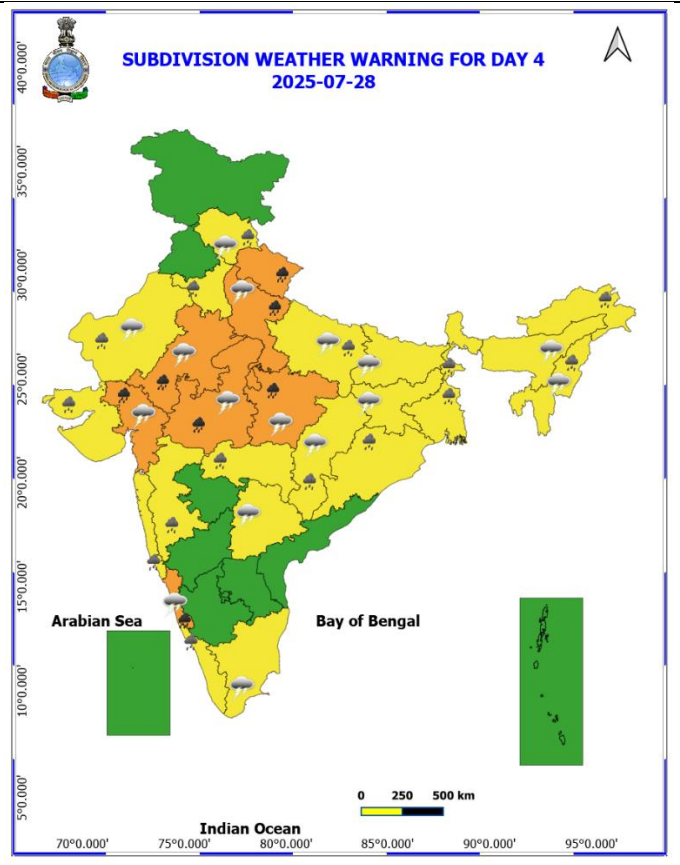
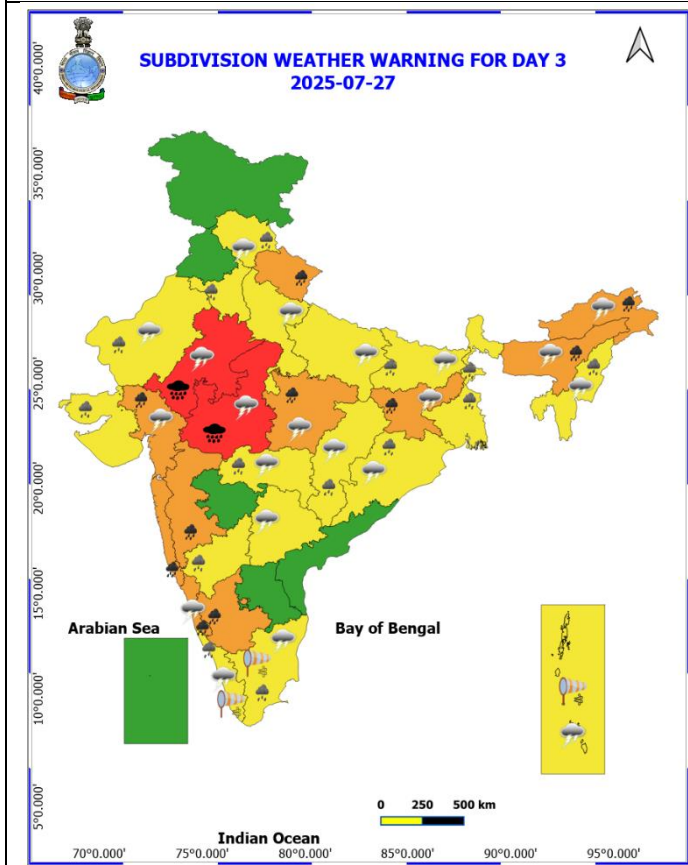
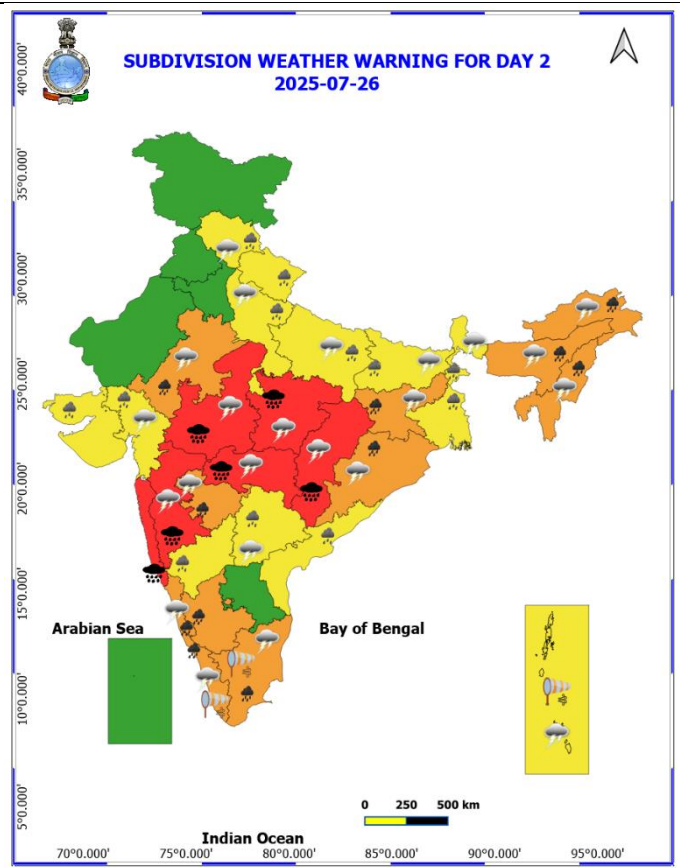
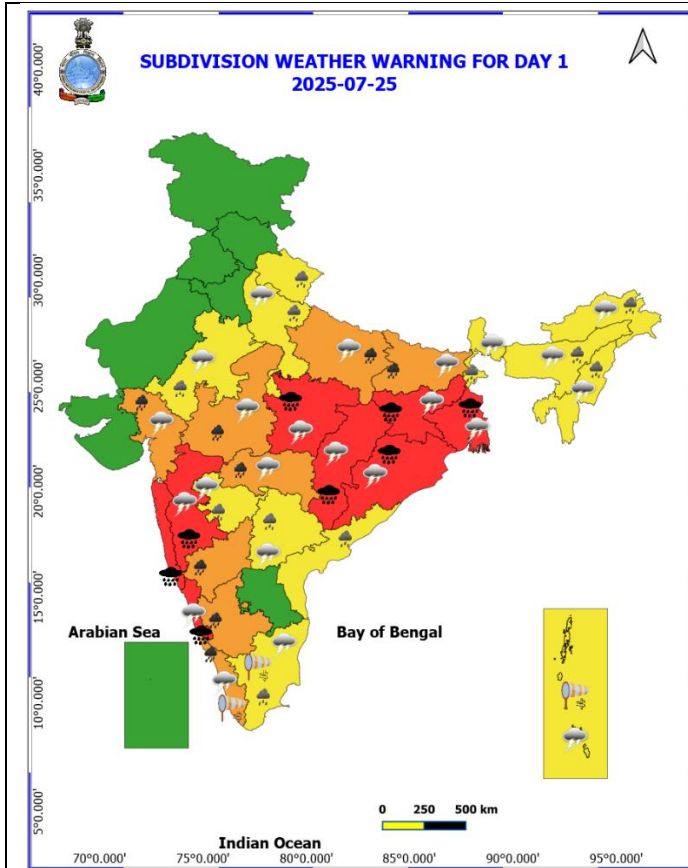


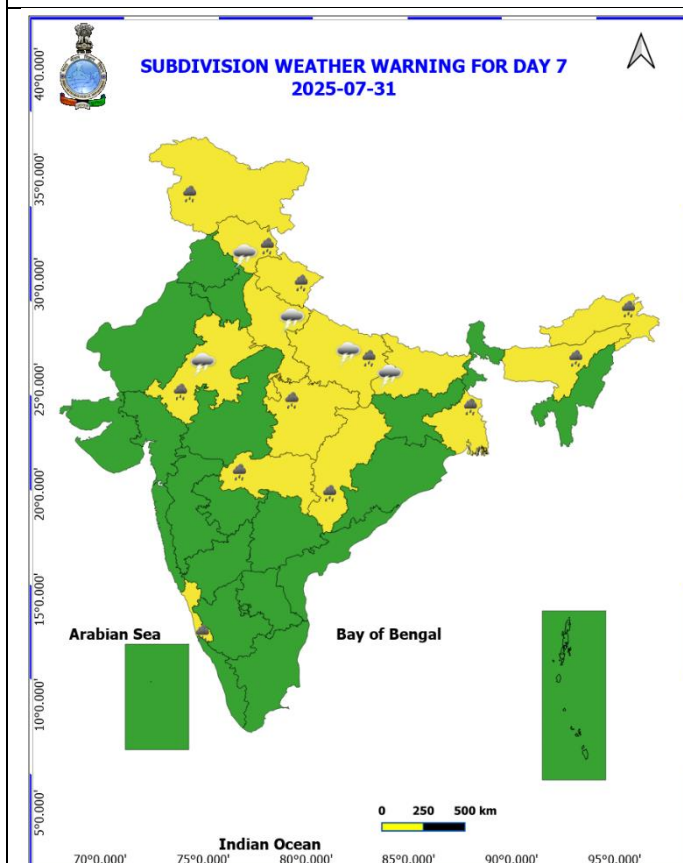
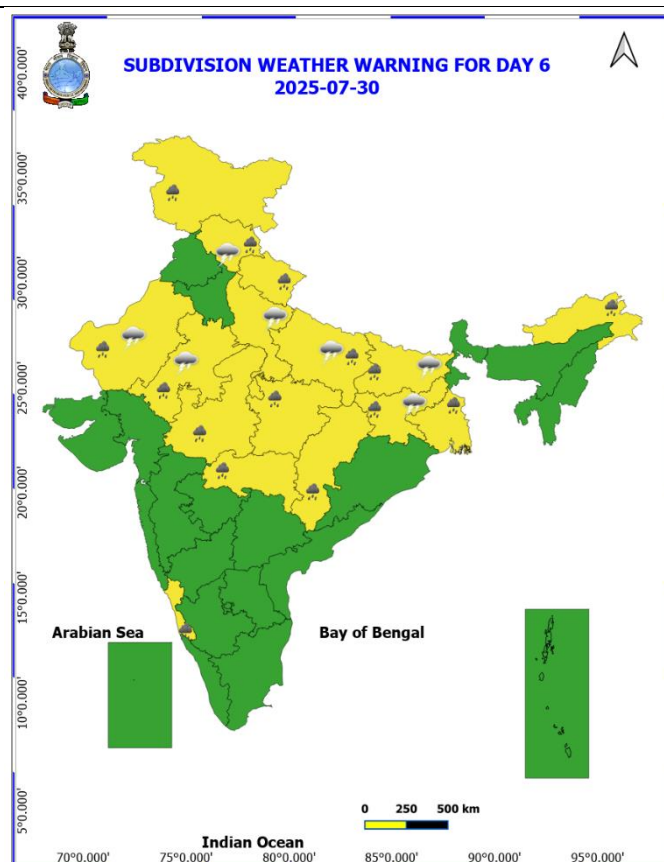
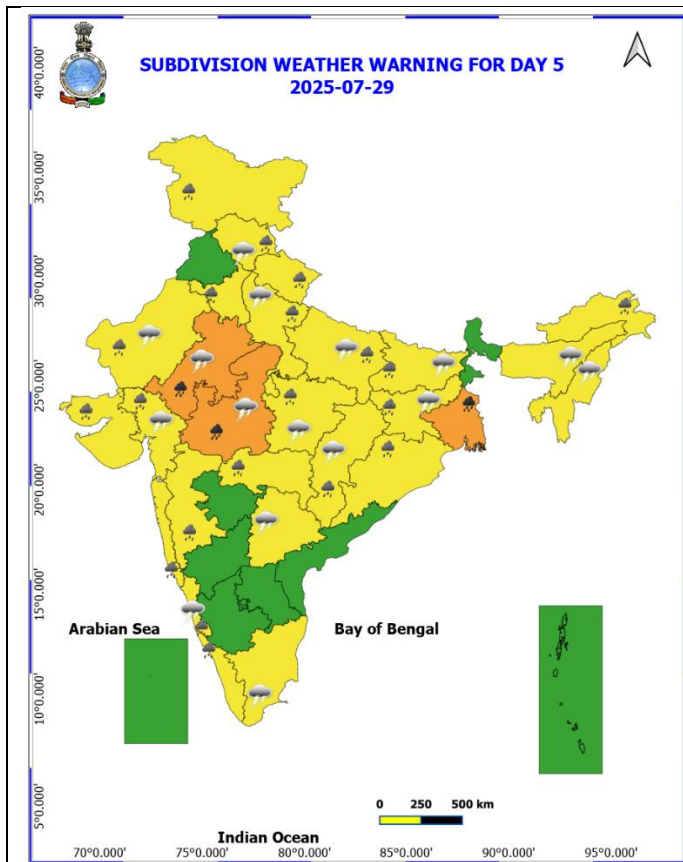
FORECAST TRACK



CONE OF UNCERTAINTY

Weather Warnings Graphics





COLOUR CODED WARNING

- No Warning (No Action)
- Watch (Be Aware)
- Alert (Be Prepared To Take Action)
- Warning (Take Action)

Probabilistic Forecast

Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75

Weather Warnings:

- Fog
- Heavy Rain
- Very Heavy Rain
- Extremely Heavy Rain
- Thunder & Lightning
- Hailstorm
- Dust Raising Winds
- Heavy Snow
- Dust Storm
- Heat Wave
- Warm Night
- Hot Day
- Hot & Humid
- Strong Surface Winds
- Cold Wave
- Cold Day
- Ground Frost

* Red colour warning does not mean "Red Alert", Red colour warning means "Take Action".
Forecast and Warning for any day is valid from 0030 hours IST of day till 0030 hours IST of next day.
For more details, kindly visit <https://mausam.ind.gov.in> or contact: 011-24334-4599
(Service to the Nation since 1875)

Flash Flood Guidance

Persistent Flash Flood Threat (PFFT) till 2330 IST of 25-07-2025 :

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

Chhattisgarh - Jashpur, Korea, Surajpur and Surguja districts.

East Madhya Pradesh - Sidhi district.

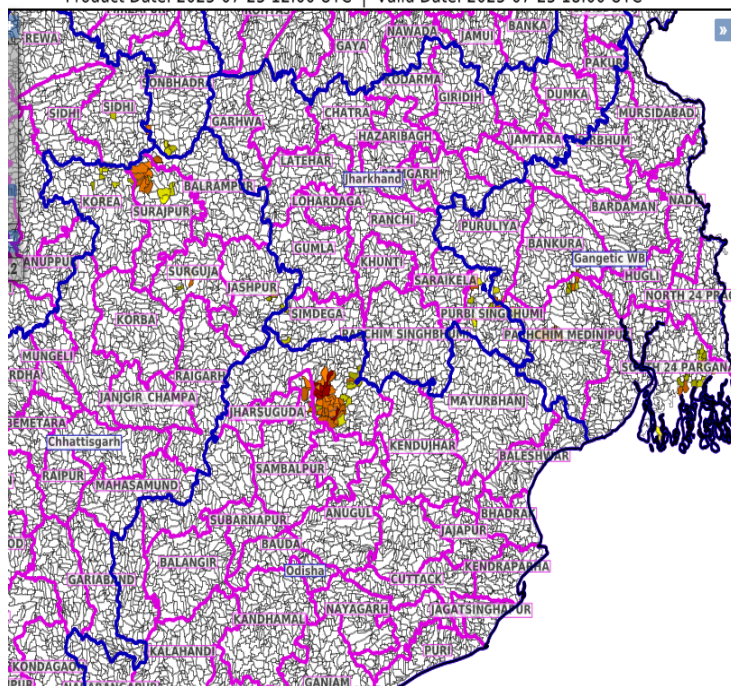
Odisha - Sambalpur and Sundargarh districts.

Gangetic West Bengal - Pashchim Medinipur, Puruliya and South 24 Parganas districts.

Jharkhand - East Singhbhum, Saraikela and Simdega 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.

Product: WRF FFFT | Timescale: 06-hr | Region: "INDIA"
Product Date: 2025-07-25 12:00 UTC | Valid Date: 2025-07-25 18:00 UTC



24 hours Outlook for the Flash Flood Risk (FFR) till 1730 IST of 26-07-2025 :

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

Chhattisgarh - Balarampur, Bilaspur, Janjgir_Champa, Korba, Korea, Raigarh, Surajpur and Surguja districts.

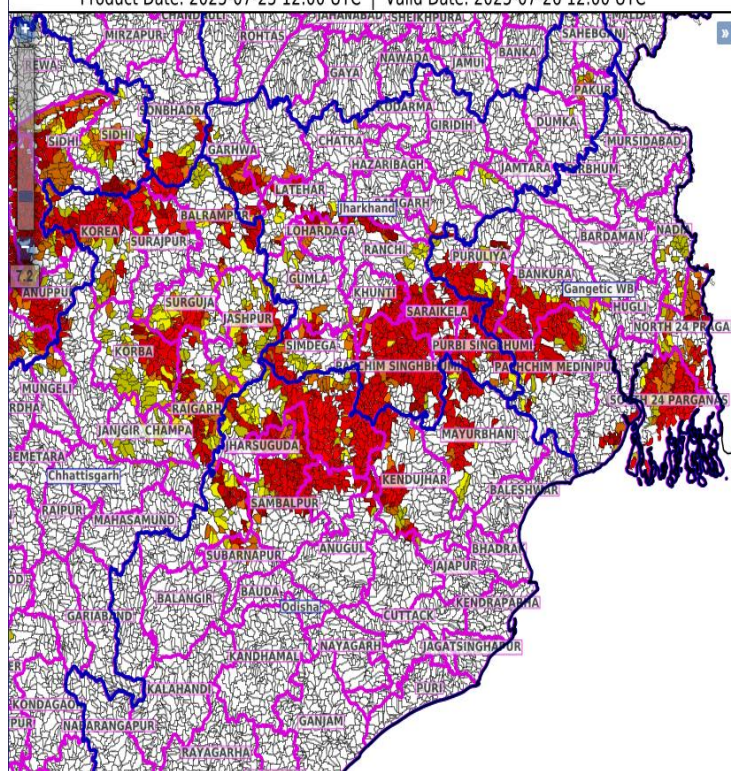
Odisha - Baragarh, Deogarh, Jharsuguda, Kendujhar, Mayurbhanj, Sambalpur, Subarnapur and Sundargarh districts.

Gangetic West Bengal - Bankura, Eastmednipur, Nadia, North 24 Pragana, Pashchim Medinipur, Puruliya and South 24 Parganas districts.

Jharkhand - Dhanbad, East Singhbhum, Garhwa, Gumla, Khunti, Latehar, Lohardaga, Palamu, Ranchi, Saraikela, Simdega and West Singhbhum 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.

Product: WRF FFR | Timescale: 24-hr | Region: "INDIA"
Product Date: 2025-07-25 12:00 UTC | Valid Date: 2025-07-26 12:00 UTC



24 hours Outlook for the Flash Flood Risk (FFR) till 1730 IST of 26-07-2025 :

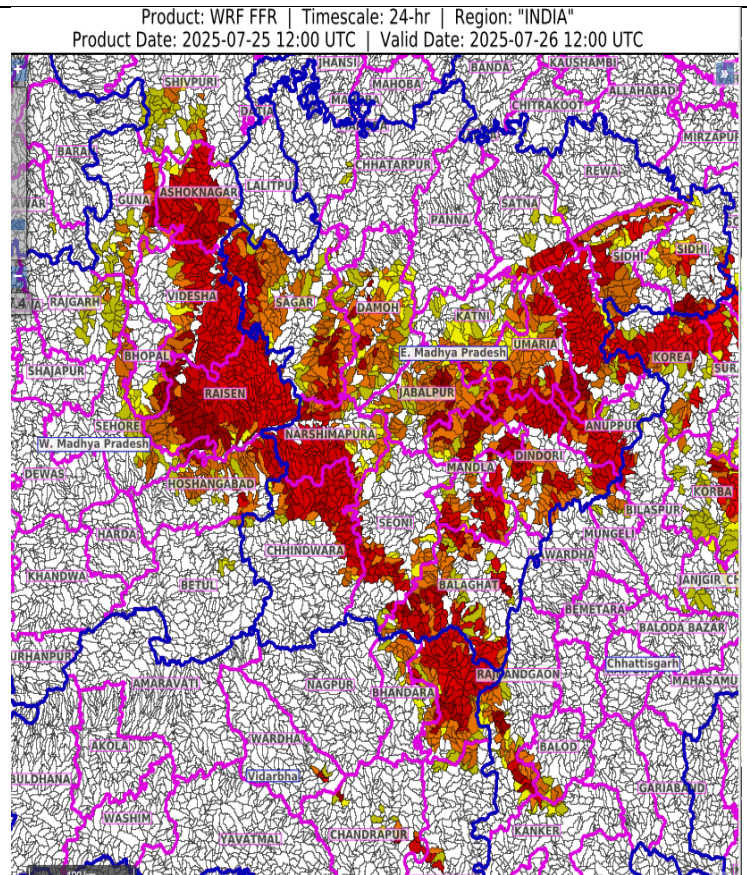
Moderate to High flash flood risk likely over few watersheds & neighbourhoods of following Met Sub-divisions during next 24 hours.

East Madhya Pradesh - Anuppur, Balaghat, Chhindwara, Damoh, Dindori, Jabalpur, Katni, Mandla, Narshimpur, Niwari, Panna, Rewa, Sagar, Satna, Seoni, Shahdol, Sidhi, Singrauli, Tikamgarh and Umaria districts.

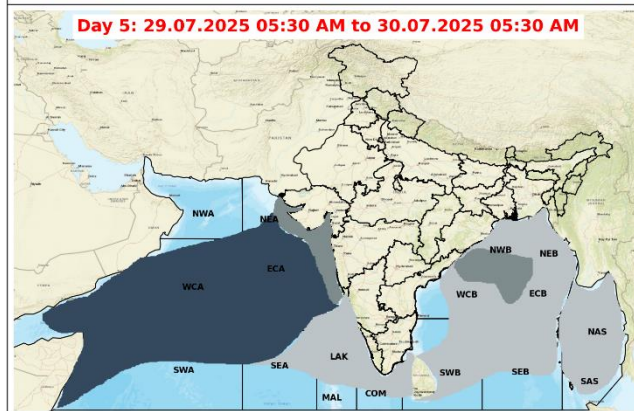
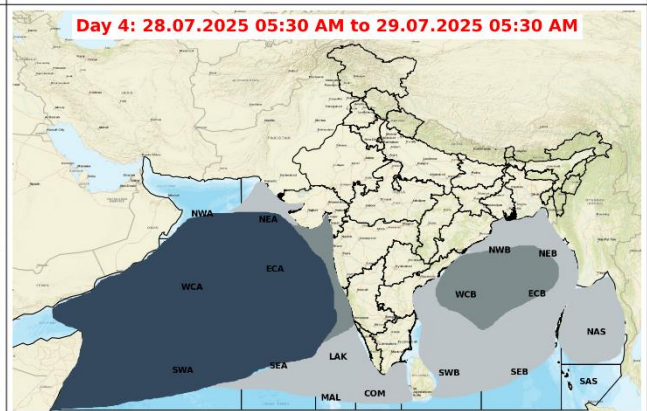
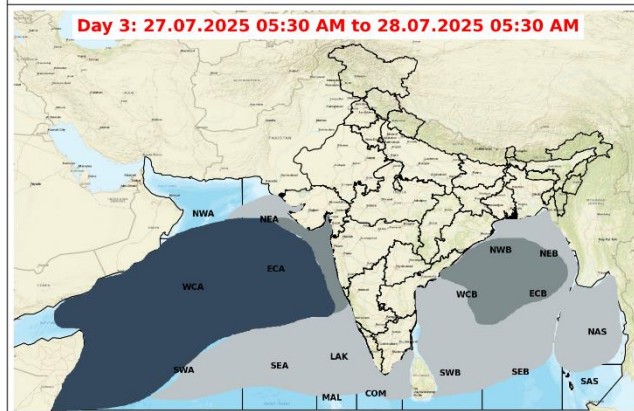
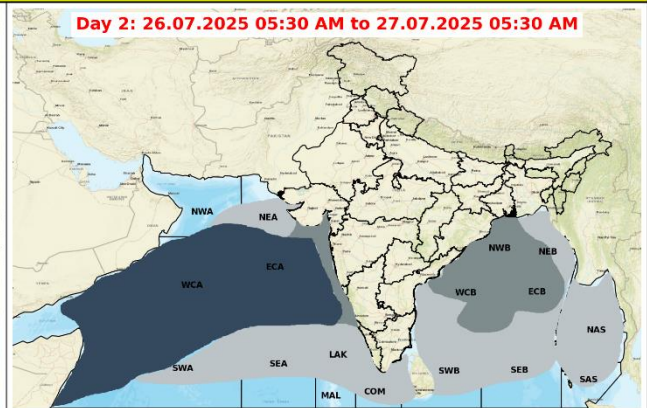
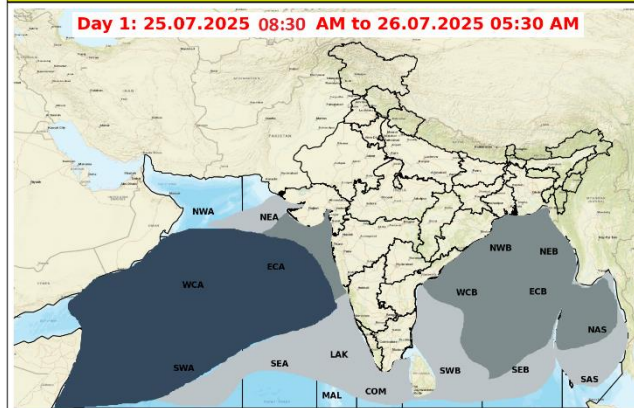
Vidarbha - Bhandara, Chandrapur, Gadchiroli, Gondiya and Wardha districts.

West Madhya Pradesh - Ashoknagar, Betul, Bhopal, Guna, Raisen, Rajgarh, Sehore, Shivpuri, Videsha and Hoshangabad 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.



Fishermen Warning Graphics



Legend

- | | |
|---|---|
| Squally wind with speed 55-65 kmph gusting to 75 kmph | CS with Gale winds with speed 60-80 kmph gusting to 90 kmph |
| Squally Weather with wind speed 40-50 kmph gusting to 60 kmph | SCS with Gale wind speed 90-110 kmph gusting to 120 kmph |
| Squally Weather with wind speed 45-55 kmph gusting to 65 kmph | VSCS with Gale wind speed 120-165 kmph gusting to 185 kmph |
| Squally wind with speed 45-55 kmph gusting to 65 kmph | ESCS with Gale wind speed 165-220 kmph gusting to 245 kmph |
| Squally wind with speed 50-60 kmph gusting to 70 kmph | |

Fishermen are advised not to venture into the marked areas.

Annexure -I

Significant rainfall recorded (in cm) (from 0830 Hrs IST to 1730 Hrs IST of today, the 25 July):

Gujarat Region: Valsad-16, Daman (dist Daman) 6, Surat-5, Navsari 4;

Odisha: Baripada-obs (dist Mayurbhanj) 13, Sonepur (dist Subarnapur) 4;

East Madhya Pradesh: Sidhi (dist Sidhi) 12;

Konkan & Goa: Matheran (dist Raigad) 9, Mumbai (Santacruz) AP (dist) 7, F.B.I. (dist Thane) 5;

Gangetic west Bengal: Midnapore (dist Paschim Medinipur) 8, Kolkata-Howrah-Uluberia (dist Howrah) 6, Kolkata (Dum Dum) AP (dist North 24 Parganas) 5;

East Uttar Pradesh: Allahabad (dist Prayagraj) 6, Churk (dist Sonbhadra) 4;

Telangana: Hanam Konda (dist Hanumatodi) 4;

Chhattisgarh: Pendra Road (dist Gaurella-Pendra-Marwahi) 4;

Madhya Maharashtra: Mahabaleshwar (dist Satara) 4;

West Madhya Pradesh: Panchmarhi (dist Narmada Puram) 4.