



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

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Sub: Depression over north Jharkhand and neighbourhood

The low pressure area over Gangetic West Bengal and adjoining Jharkhand moved west-northwestwards, intensified into a depression and lay centered at 1730 hours IST of today, the 2nd August over north Jharkhand and neighbourhood near latitude 24.2°N and longitude 85.2°E, about 70 km south-southeast of Gaya (Bihar) and 120 km east of Daltonganj (Jharkhand).

It is likely to move west-northwestwards across Jharkhand, southeast Uttar Pradesh, east Madhya Pradesh and adjoining north Chhattisgarh during next 48 hours.

Warnings:

(i) Rainfall Warning:

Jharkhand:

Light to moderate rainfall at most places with heavy to very heavy rainfall at a few places is very likely on 2nd and 3rd and isolated extremely heavy rainfall is very likely on 2nd August.

Bihar:

Light to moderate rainfall at most places with heavy to extremely heavy rainfall at isolated places over southwest Bihar is very likely on 2nd August.

Light to moderate rainfall at most places with heavy to very heavy rainfall at isolated is very likely over Bihar during 3rd to 6th August.

Chhattisgarh:

Light to moderate rainfall at most places with heavy to extremely heavy rainfall at isolated places is very likely over north Chhattisgarh on 2nd August.

Light to moderate rainfall at most places with heavy to very heavy rainfall at a few places is very likely on 2nd and isolated heavy rainfall is very likely on 3rd August.

West Bengal:

Light to moderate rainfall at most places with heavy to extremely heavy rainfall at isolated places is very likely over Sub-Himalayan West Bengal during 3rd to 6th August.

Light to moderate rainfall at most places with heavy to very heavy rainfall at isolated places is very likely over Gangetic West Bengal on 2nd and isolated heavy rainfall is very likely over on 3rd August.

East Madhya Pradesh:

Light to moderate rainfall at most places with heavy to very heavy rainfall at isolated places is very likely during 2nd to 4th and extremely heavy rainfall at isolated places is very likely on 2nd and 3rd August.

West Madhya Pradesh:

Light to moderate rainfall at most places is very likely with heavy to very heavy rainfall at isolated places is very likely during 2nd to 5th and extremely heavy rainfall at isolated places is very likely on 3rd and 4th August.

East Uttar Pradesh:

Light to moderate rainfall at many places with heavy to very heavy rainfall at a few places and extremely heavy rainfall at isolated places over southeast Uttar Pradesh is very likely on 2nd August.

Light to moderate rainfall at a few places with heavy rainfall at isolated places is very likely during 3rd to 6th August.

East Rajasthan:

Light to moderate rainfall at most places with heavy rainfall at isolated places is very likely during 2nd -6th; very heavy rainfall at isolated places on 2nd and 3rd and extremely heavy rainfall is very likely on 4th August.

(ii) Wind warning:

- Strong wind speed reaching 30-40 kmph gusting to 50 kmph is very likely over Gangetic West Bengal, Jharkhand, south Bihar, north Odisha, north Chhattisgarh and adjoining southeast Uttar Pradesh on 2nd and 3rd August.
- Strong wind speed reaching 30-40 kmph gusting to 50 kmph is very likely over East Madhya Pradesh, north Chhattisgarh, south Bihar and adjoining south Uttar Pradesh on 3rd and 4th August.
- Strong wind speed reaching 30-40 kmph gusting to 50 kmph is very likely over west Madhya Pradesh and adjoining east Rajasthan on 4th and 5th August.

(iii) Impact Expected

- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- Occasional reduction in visibility due to heavy rainfall.

- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutcha roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides/landslips/mud slips/land sinks/mud sinks.
- Damage to horticulture and standing crops in some areas due to inundation.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

(iv) Action Suggested

- Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.
- Avoid going to areas that face the water logging problems often.
- Avoid staying in vulnerable structure.

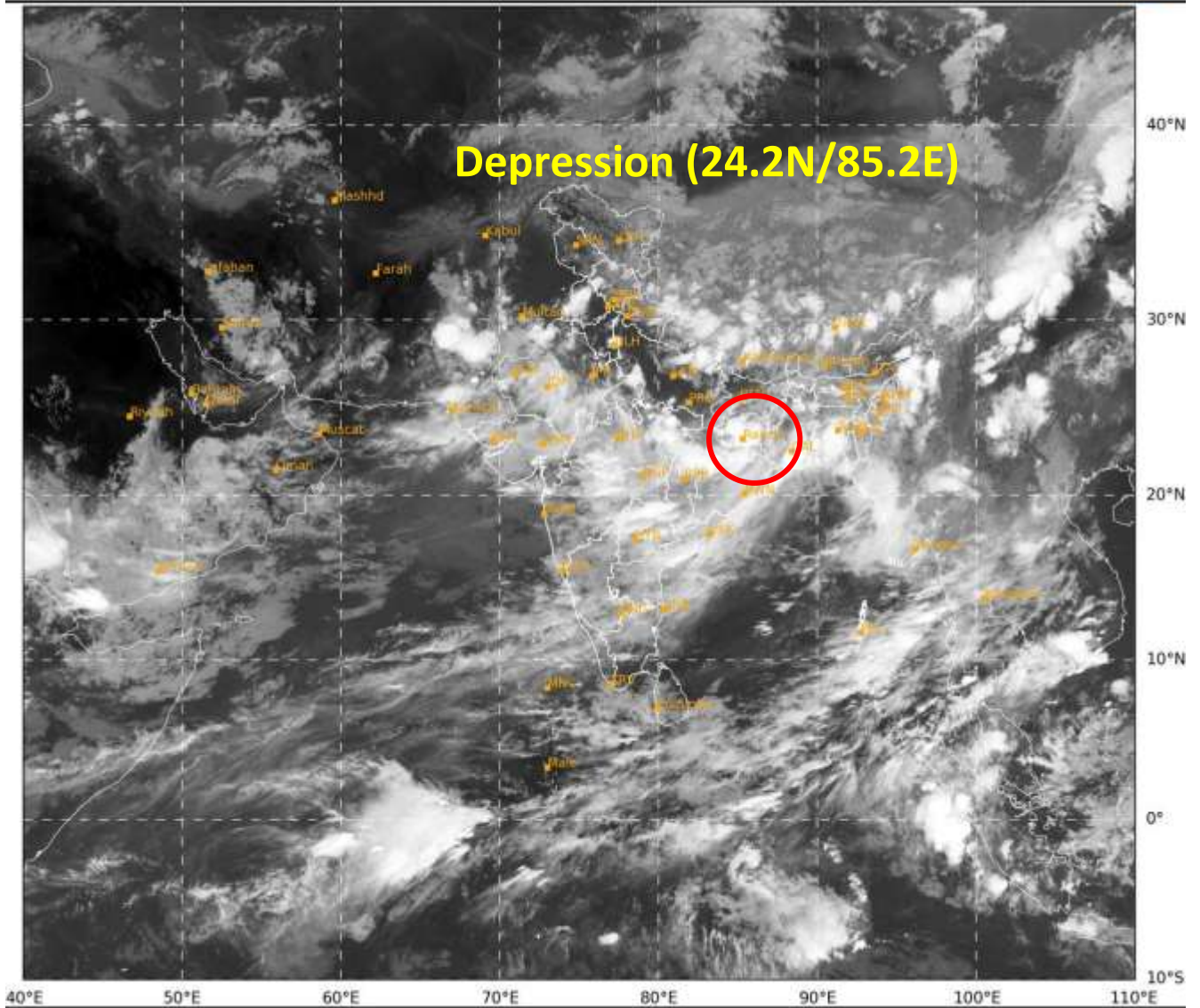
(v) Agromet advisories for Heavy Rainfall likely over various parts of the country

- Make provision for draining out excess water from crop fields to avoid water stagnation in West Bengal, Sub Himalayan West Bengal, Odisha, Jharkhand, Bihar, Rajasthan, Madhya Pradesh, Chhattisgarh.
- Provide mechanical support to horticultural crops and staking to vegetables.

Next bulletin will be issued at 0230 hours IST of tomorrow, the 3rd August, 2024.

(Ananda Kumar Das)
Scientist F, Cyclone Warning, New Delhi

Copy to: ACWC Kolkata/RMC, New Delhi/RMC, Nagpur/MC, Ranch/MC, Raipur/MC, Patna/MC, Bhopal/MC, Jaipur/CWC Bhubaneswar/MC, Lucknow



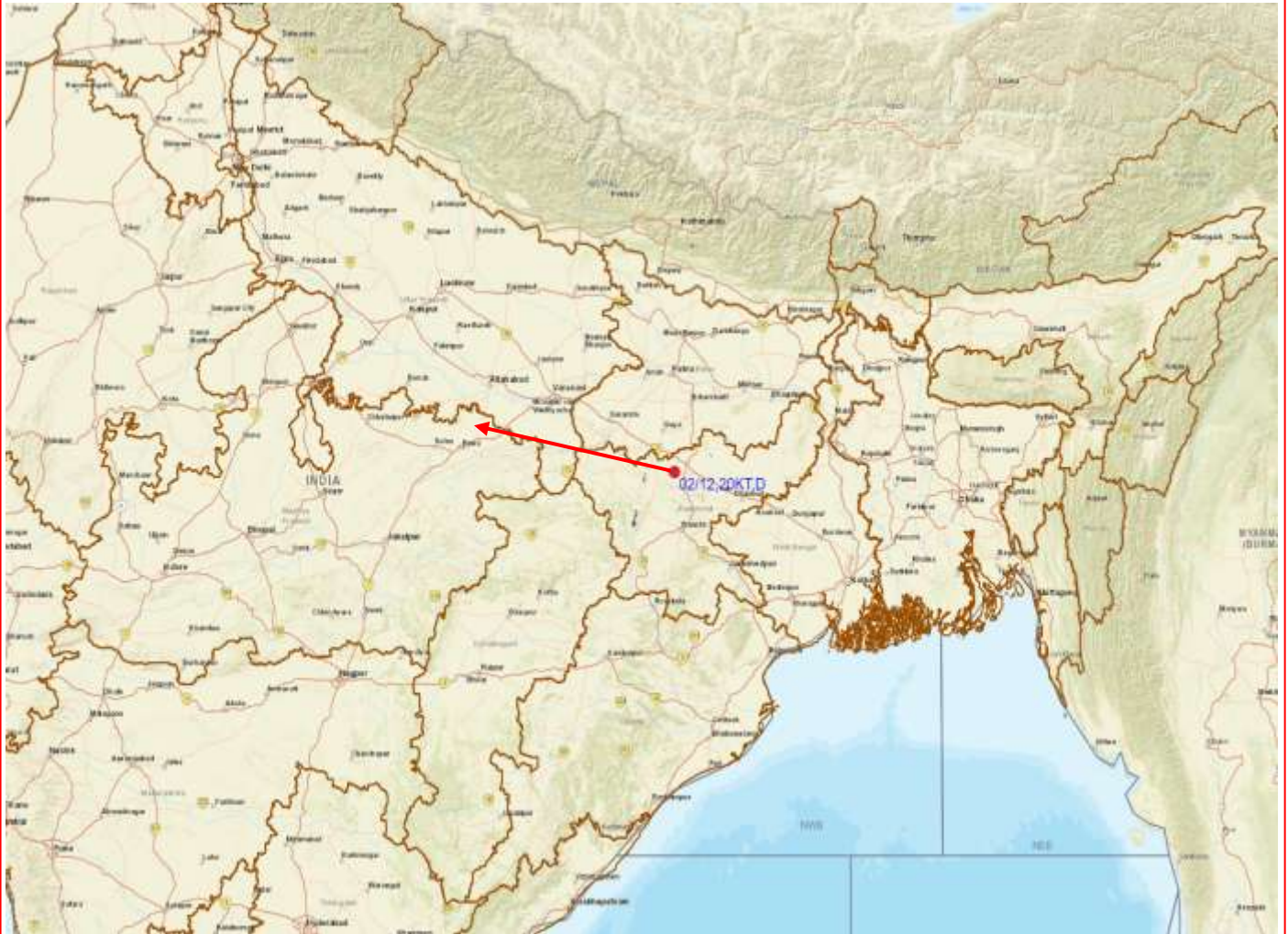
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IMD, DELHI



OBSERVED AND FORECAST TRACK OF DEPRESSION OVER NORTH JHARKHAND AND NEIGHBOURHOOD BASED ON 1200 UTC OF 02ND AUGUST, 2024.



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)

ECS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)

SuCS: SUPER CYCLONIC STORM (\geq 120 KT)



LESS THAN 34 KT



34-47 KT



≥ 48 KT



OBSERVED TRACK

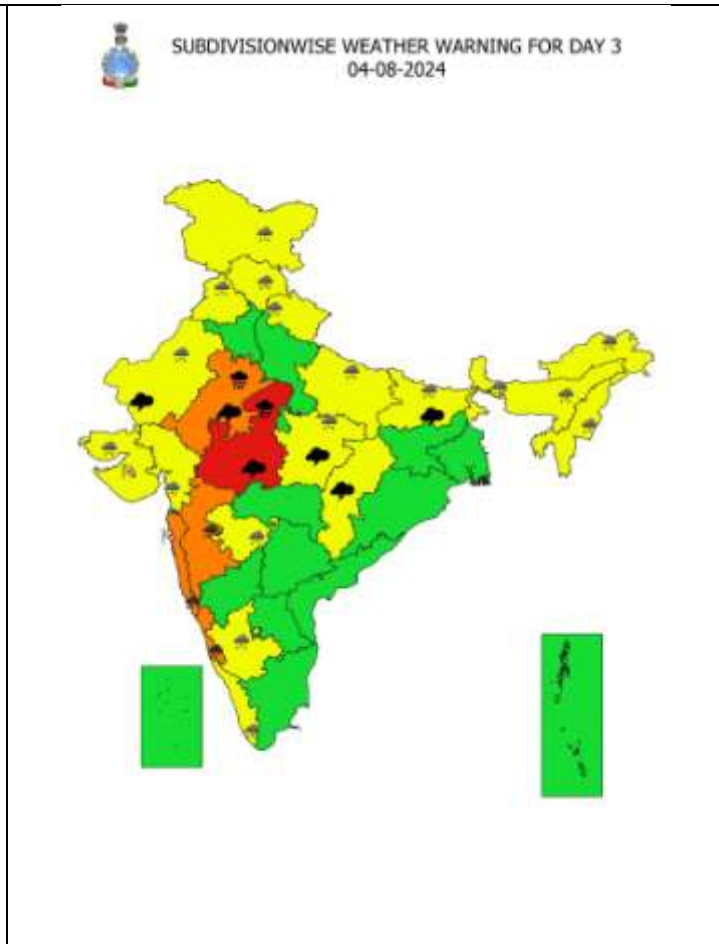
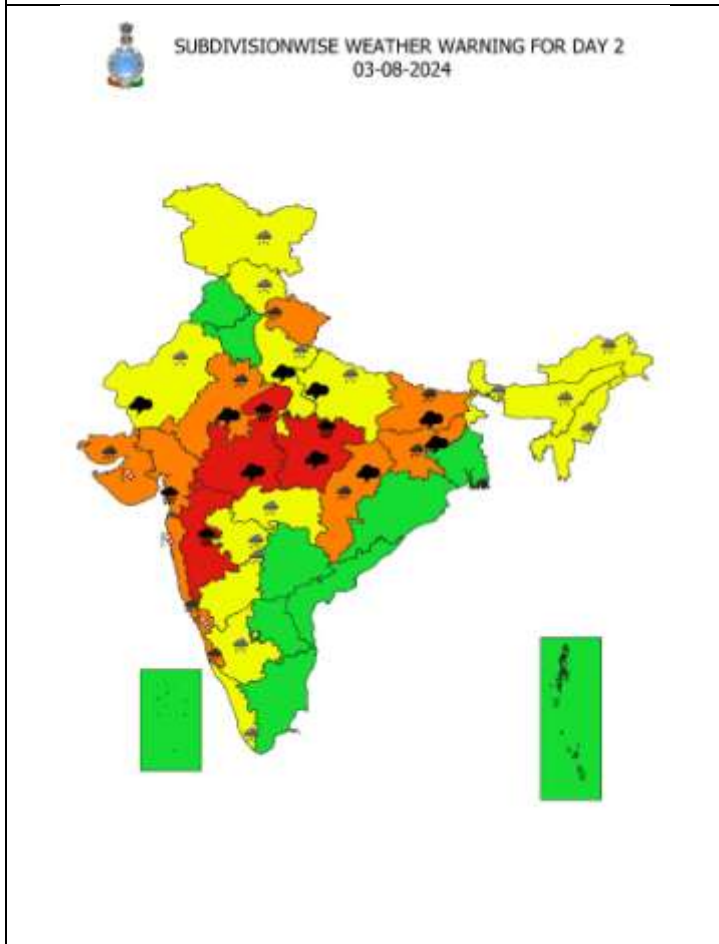
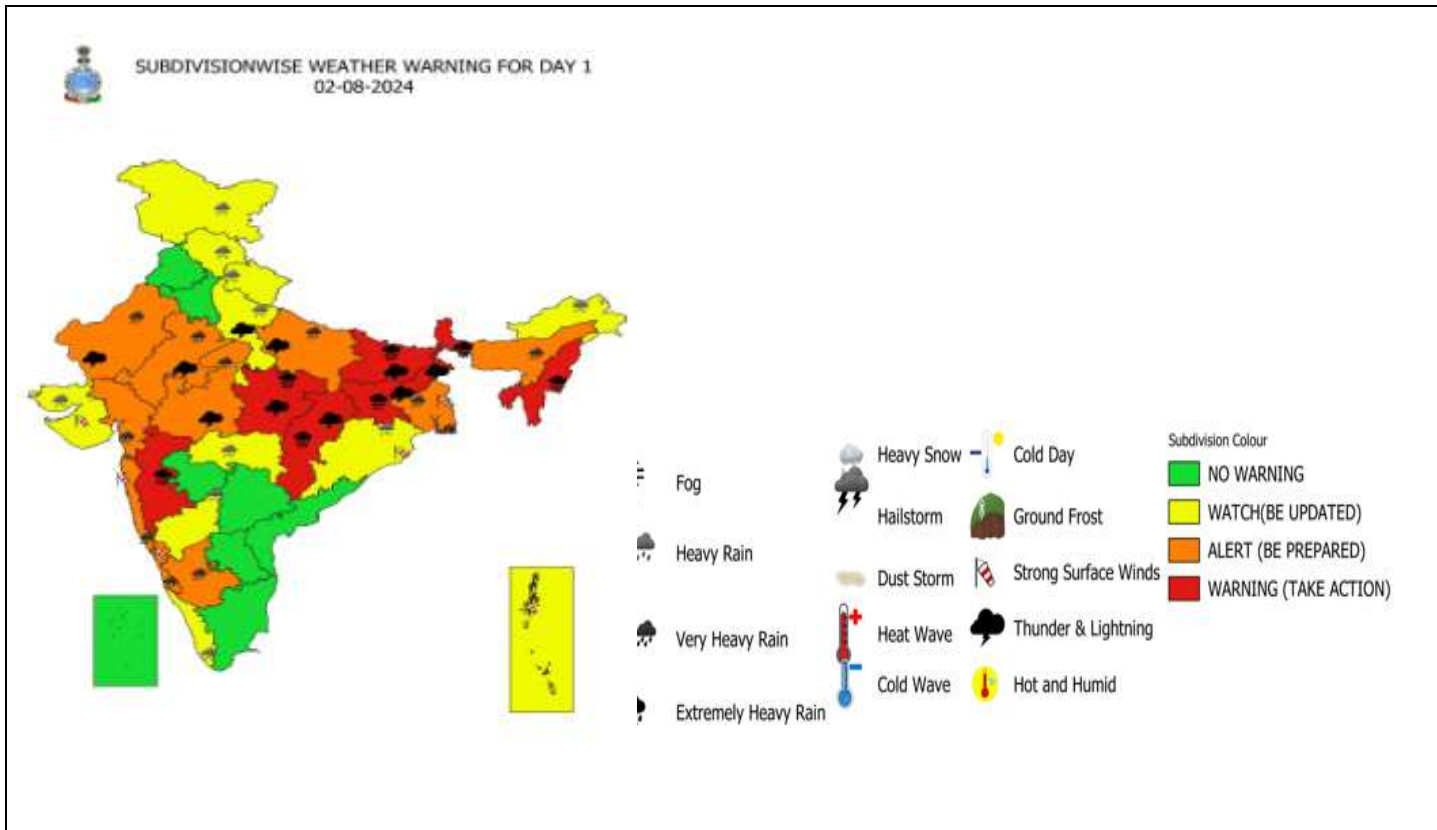


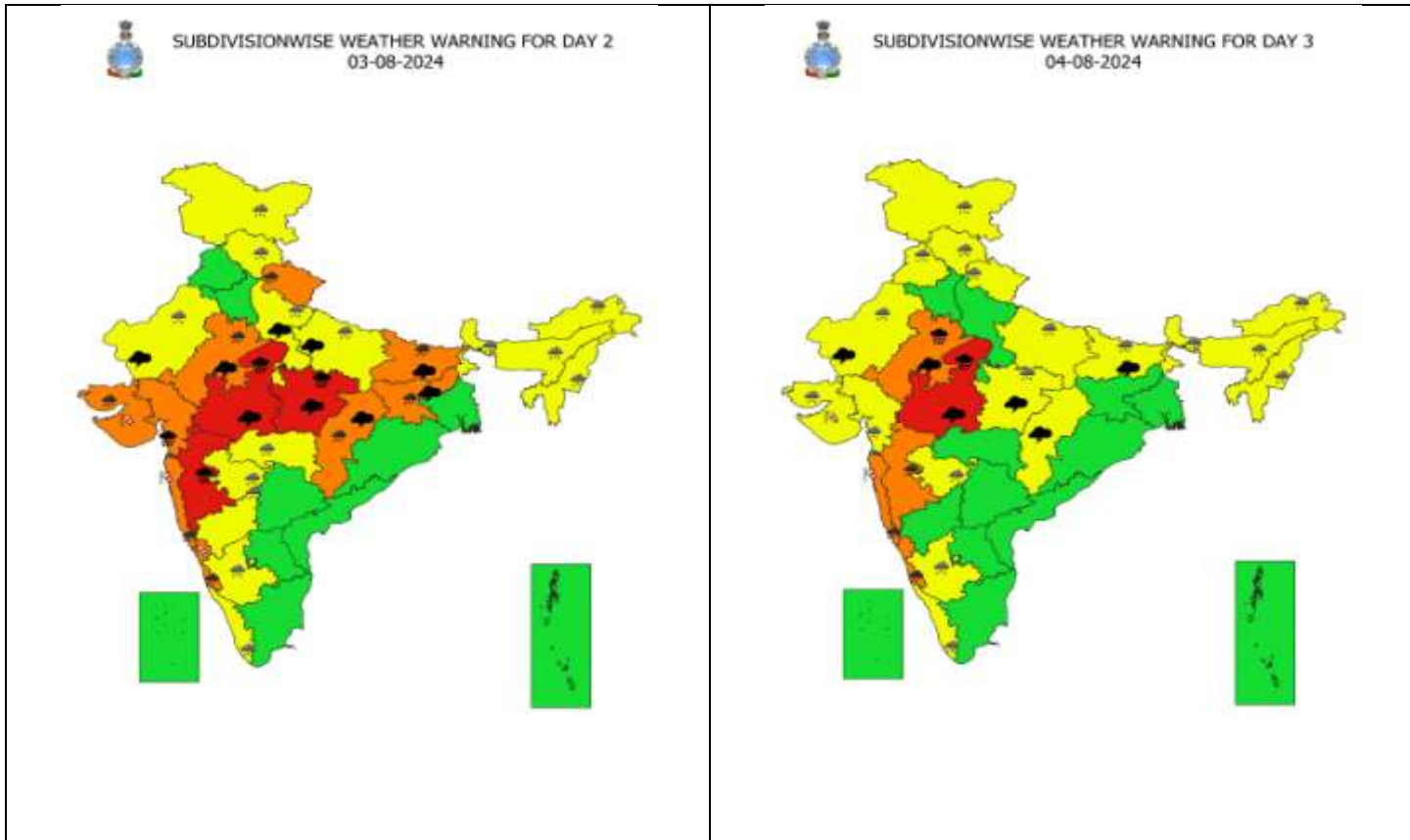
FORECAST TRACK



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Warning Graphics



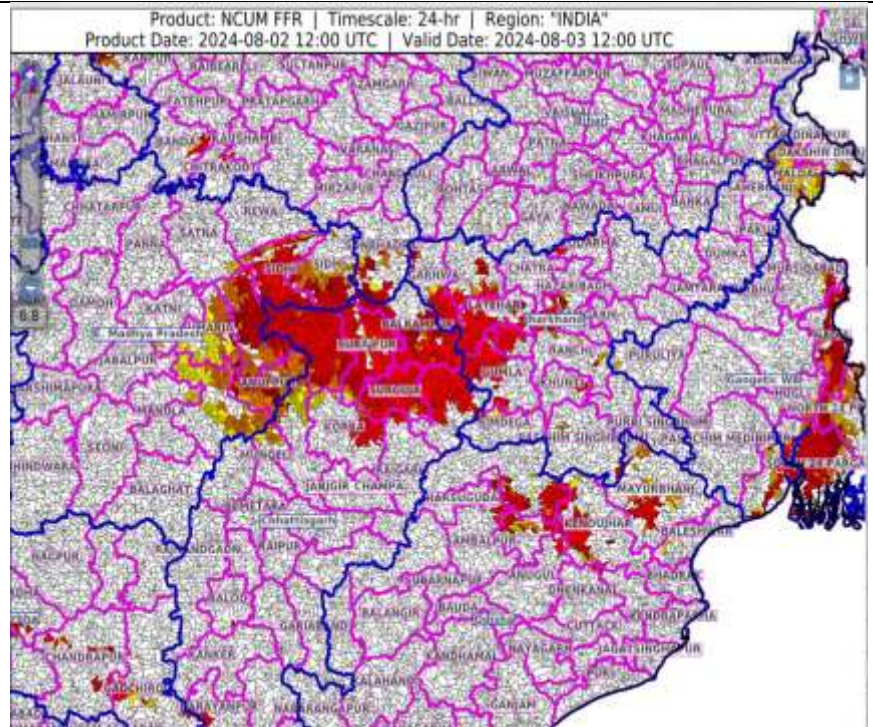


- Action may be taken based on **ORANGE AND RED** COLOUR warnings.
- Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning.
- As the lead period increases forecast accuracy decreases.

Flash Flood Guidance

24 hours Outlook for the Flash Flood Risk (FFR) till 1730 IST of 03-08-2024 :

Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of Chhattisgarh, East Madhya Pradesh, Gangetic West Bengal and Jharkhand Met Sub-divisions during next 24 hours. Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 24 hours.



24 hours Outlook for the Flash Flood Risk (FFR) till 1730 IST of 03-08-2024 :

Low to Moderate flash flood risk likely over few watersheds & neighbourhoods of West Rajasthan Met Sub-divisions during next 24 hours. Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 24 hours.

