



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

SPECIAL MESSAGE NO. 1 (LAND/01/2024)

TIME OF ISSUE:1430 HOURS IST

DATED:02.08.2024

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

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Sub: Low pressure area over Gangetic West Bengal and adjoining Jharkhand

A cyclonic circulation formed over Gangetic West Bengal and neighbourhood on 31st July, 2024. It lay over Gangetic West Bengal and south Bangladesh on 1st August. Under its influence a low pressure area formed over Gangetic West Bengal and adjoining Jharkhand in the morning 0530 hours IST and persisted over the same region at 0830 hours IST of today, the 2nd August, 2024.

It is likely to move west-northwestwards and intensified into a depression over Jharkhand and neighbourhood during next 24 hours.

Warnings:

(i) Rainfall Warning:

West Bengal:

Light to moderate rainfall at most places is very likely with heavy to extremely heavy rainfall at isolated places over Sub-Himalayan West Bengal during 3rd to 6th; heavy to very heavy rainfall at isolated places over Gangetic West Bengal on 2nd August.

Jharkhand:

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

Bihar:

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

Chhattisgarh:

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

East Madhya Pradesh:

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

East Uttar Pradesh:

Light to moderate rainfall at many places is very likely with heavy rainfall at isolated places during 2nd -6th August.

East Rajasthan:

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

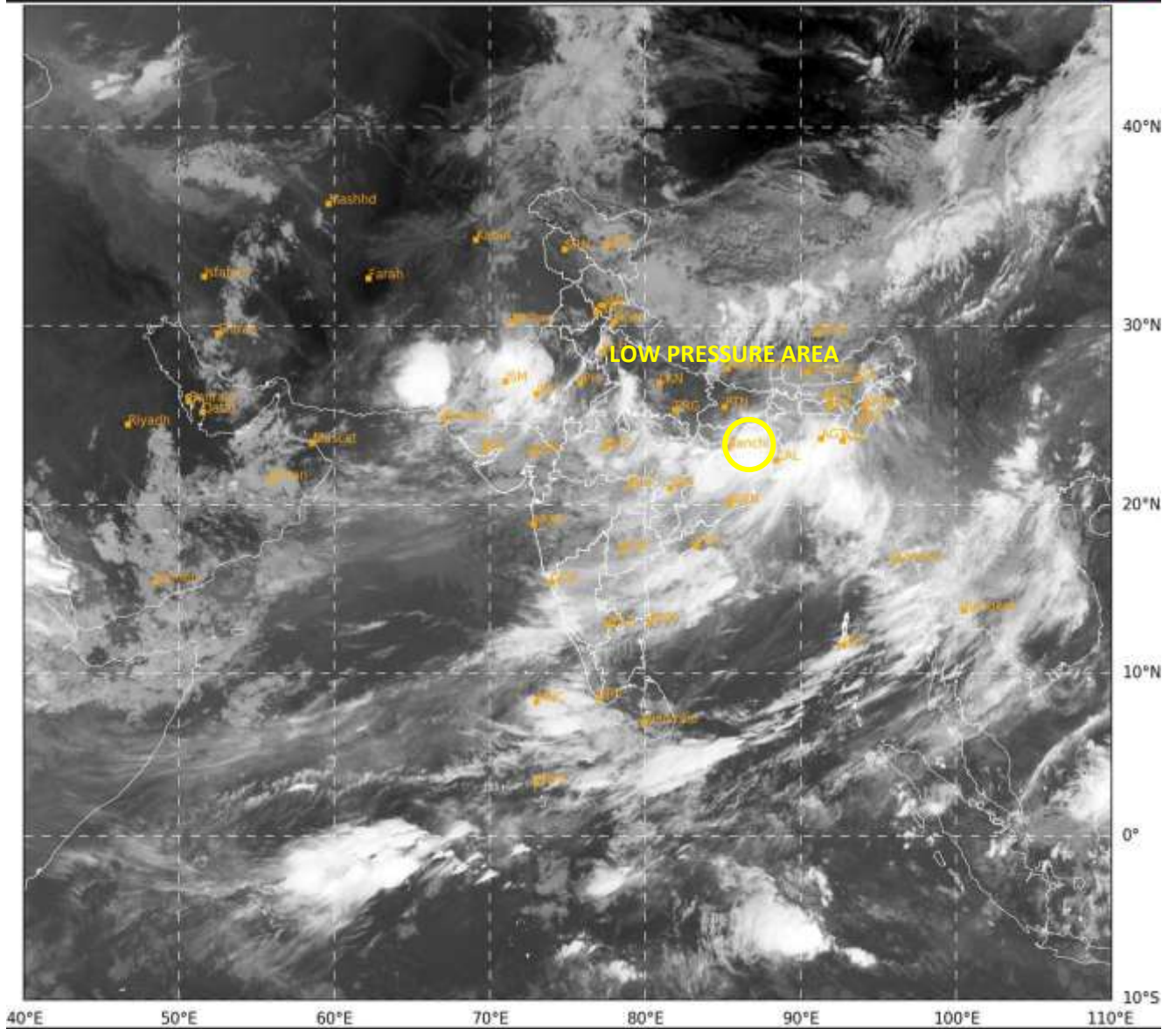
Next message will be issued at 1130 hours IST of tomorrow, the 3rd August, 2024.

**(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

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

02-08-2024/(0315 to 0342) GMT
02-08-2024/(0845 to 0912) IST

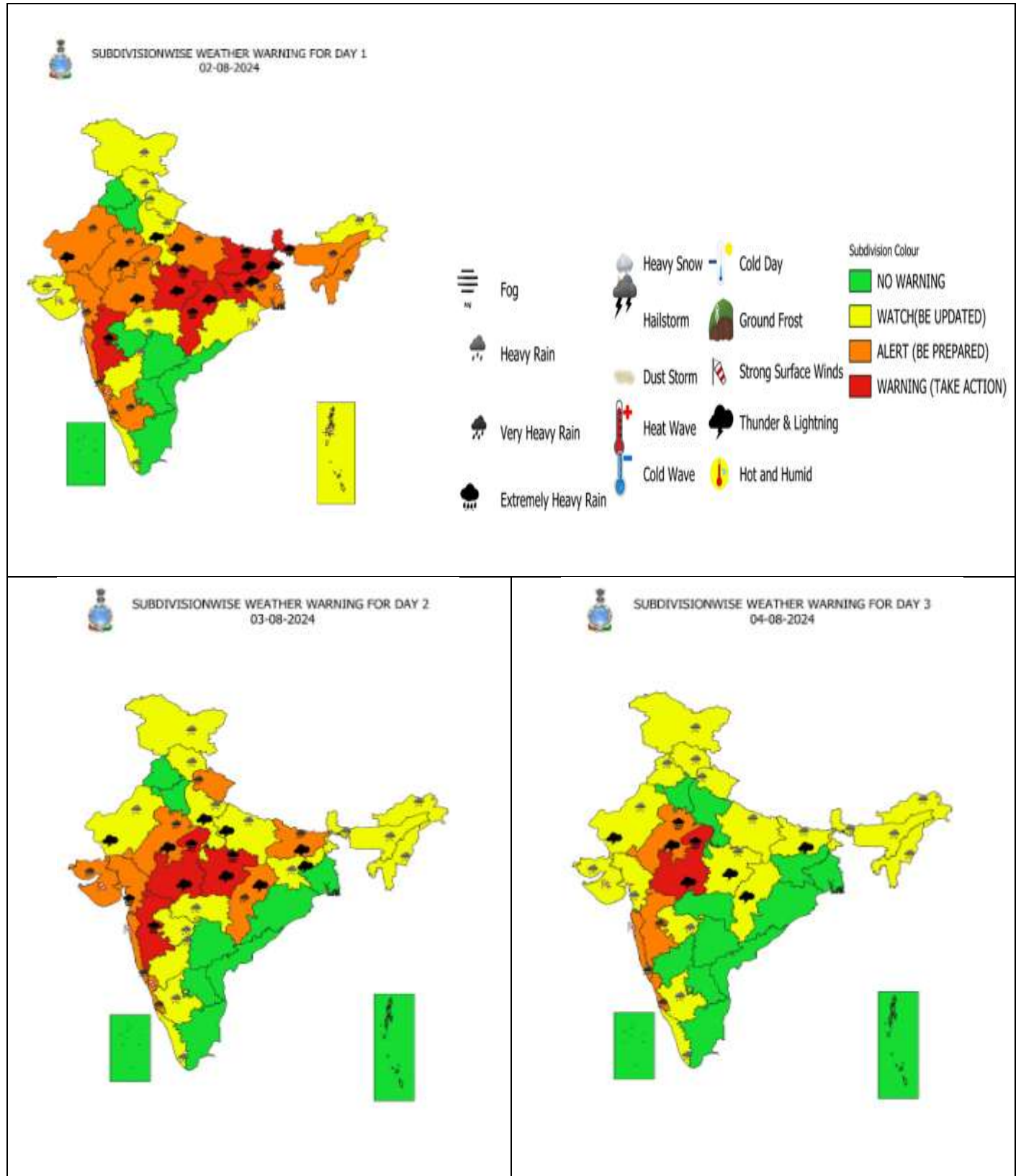


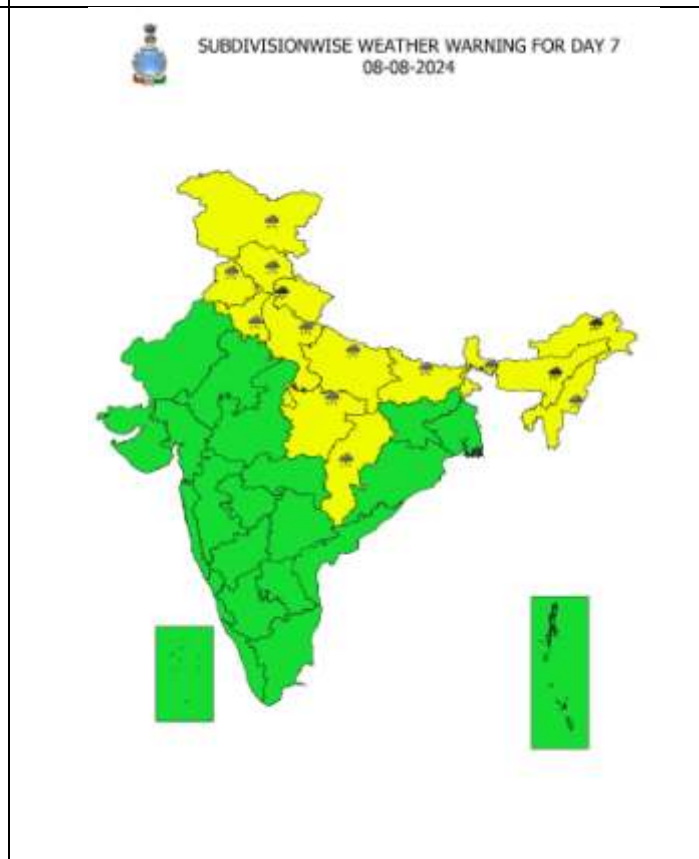
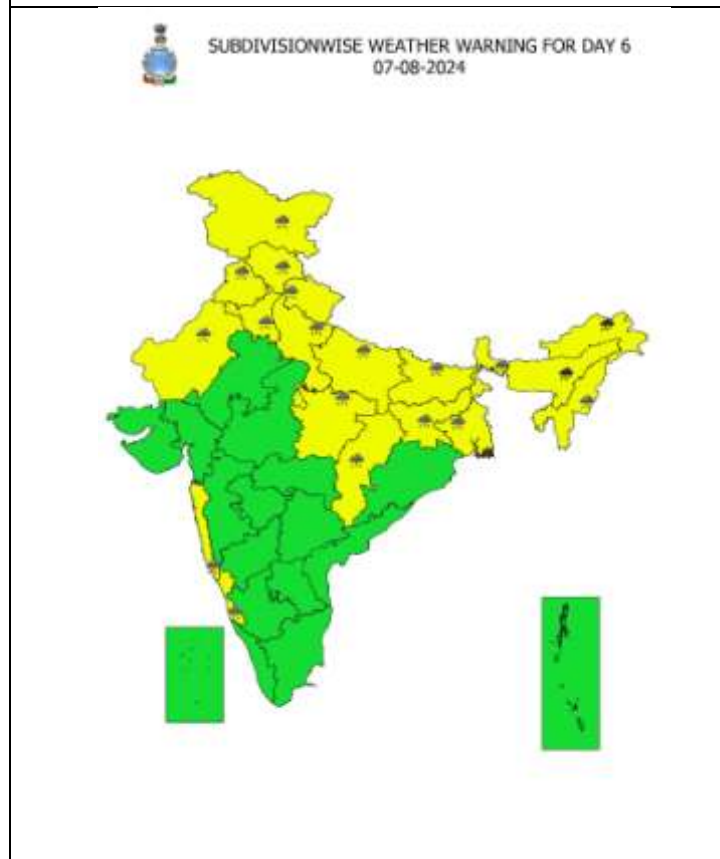
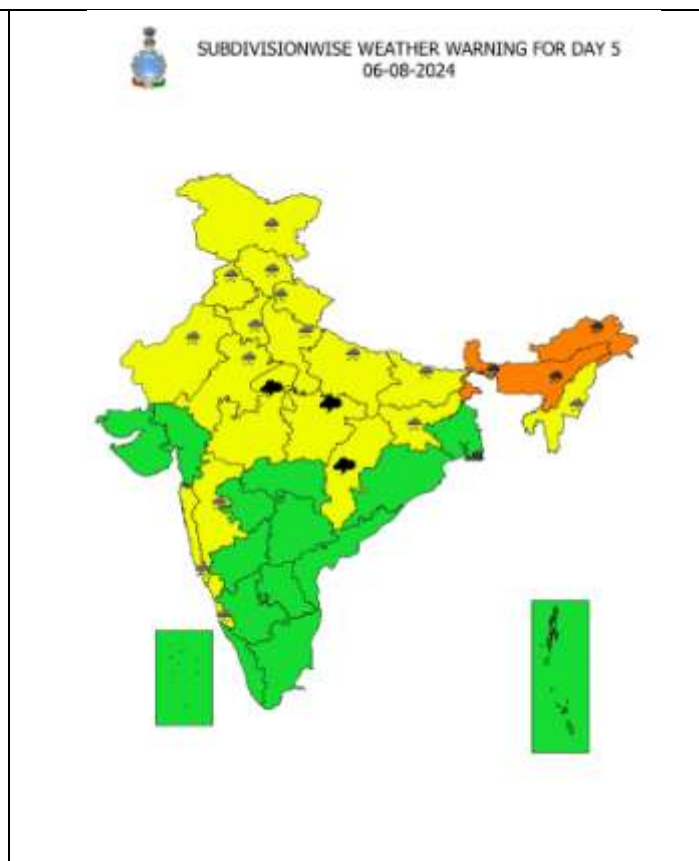
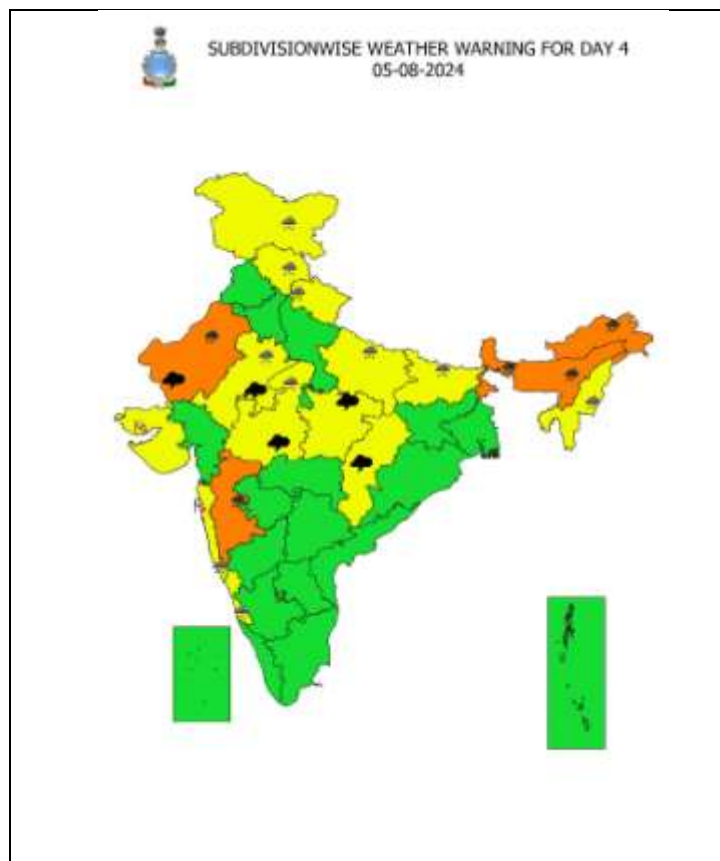
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IMD, DELHI

Warning Graphics





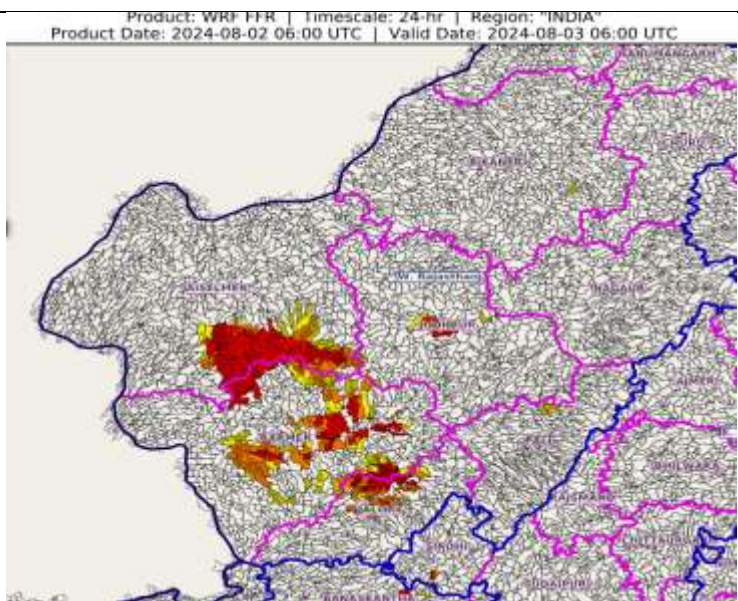
- Action may be taken based on **ORANGE AND RED** COLOUR warnings.
- Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning.
- As the lead period increases forecast accuracy decreases.

Flash Flood Guidance

24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 03-08-2024 :

Moderate flash flood risk likely over few watersheds & neighbourhoods of Jaisalmer, Barmer, Jalore & Jodhpur districts of West Rajasthan Met Sub-divisions during next 24 hours.

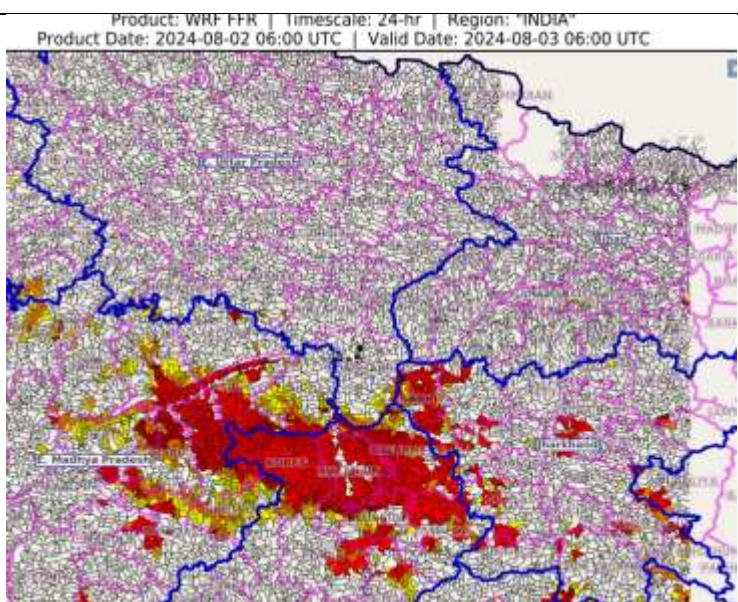
Surface runoff/ Inundation may occur at some fully saturated soils & low-lying areas over AoC as shown in map due to expected rainfall occurrence in next 24 hours.



24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 03-08-2024 :

Moderate flash flood risk likely over few watersheds & neighbourhoods of Chhattisgarh, East Madhya Pradesh 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 1130 IST of 03-08-2024 :

Moderate flash flood risk likely over few watersheds & neighbourhoods of Assam & Meghalaya and SHWB & Sikkim 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.

