



India Meteorological Department
(Ministry of Earth Sciences)

NATIONAL BULLETIN NO. 48 (LAND/02/2024)

TIME OF ISSUE: 0810 HOURS IST

DATED: 02.09.2024

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Sub: (a) Depression (Remnant of Cyclonic Storm "ASNA") over northwest Arabian Sea and (b) Depression over East Vidarbha and adjoining Telangana

(a) Depression (Remnant of Cyclonic Storm "ASNA") over northwest Arabian Sea

The Deep Depression (Remnant of Cyclonic Storm "ASNA") over northwest Arabian Sea moved south-southwestwards with a speed of 10 kmph during past 6 hours, weakened into a depression and lay centered at 0530 hours IST of today, the 02nd September, 2024 over the same region near latitude 21.2°N and longitude 61.3°E, about 200 km southeast of Ras Al Hadd (Oman) and 410 km southeast of Muscat (Oman).

It is likely to continue to move further south-southwestwards over northwest Arabian Sea and weaken gradually into a well marked low pressure area over the same region during next 6 hours.

Warnings:

(i) Wind warning:

- Squally wind speed reaching 45-55 kmph gusting to 65 kmph is likely to prevail over northwest Arabian Sea during next 6 hours.
- Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely to prevail over central Arabian Sea during next 6 hours.

(ii) Sea condition:

- Rough Sea condition is likely to prevail over northwest adjoining westcentral Arabian Sea during next 6 hours and would improve thereafter.

(iii) Fishermen warning:

Fishermen are advised not venture into Northwest Arabian Sea and adjoining westcentral Arabian Sea till noon of 2nd September.

(b) Depression over East Vidarbha and adjoining Telangana

The depression over southeast Vidarbha and neighbourhood moved northwestwards with a speed of 8 kmph during the past 6 hours and lay centered at 0530 hours IST of 02nd September, 2024 over East Vidarbha and adjoining Telangana near latitude 19.6°N and longitude 80.0°E, about 220 km west-northwest of Jagdalpur (Chhattisgarh), 110 km north-northeast of Ramagundam (Telangana), 110km south of Bramhapuri (Maharashtra) and 80 km east-southeast of Chandrapur (Maharashtra).

It is likely to move nearly northwestwards across Vidarbha and weaken into a Well Marked Low Pressure Area during next 12 hours.

Warnings:

(i) Rainfall Warning:

Vidarbha: Light to moderate rainfall at most places with isolated heavy to extremely heavy rainfall at a few places and extremely heavy rainfall at isolated places on 2nd September.

Marathwada: Light to moderate rainfall at most places with heavy to very heavy rainfall at isolated places on 2nd September.

East Madhya Pradesh: Light to moderate rainfall at most places with heavy to very heavy rainfall at isolated places is likely on 2nd September.

West Madhya Pradesh: Light to moderate rainfall at most places with heavy to very heavy rainfall at isolated places on 2nd September.

East Rajasthan: Light to moderate rainfall at most places with heavy rainfall at isolated places on 2nd September.

Gujarat region: Light to moderate rainfall at most places with heavy rainfall at isolated places on 1st and heavy to very heavy rainfall at isolated places on 2nd September.

North Madhya Maharashtra: Light to moderate rainfall at most places with heavy rainfall at isolated places on 2nd September.

Telangana: Light to moderate rainfall at most places with isolated heavy rainfall over north Telangana on 2nd September.

South Chhattisgarh Light to moderate rainfall at many places with heavy rainfall at isolated places very likely on 2nd September

(ii) Wind warning:

- Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph is likely over Vidarbha adjoining South Chhattisgarh, Telangana & Marathwada and during next 12 hours.

(v) Flash Flood Guidance:

❖ 24 hours Outlook for the Flash Flood Risk (FFR) till 0530 IST of 03-09-2024 :

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

Telangana - Nirmal, Nizamabad, Jagital, Peddapalle, Mancherial, Kamreddy, Sangareddy, Medak, Adilabad and Kumarabheen Asifabad districts.

Vidarbha – Nagpur, Akola, Wardha, Washim, Buldhana, Amravari, Chandrapur and Yavatmal districts.

Marathawada – Parbhani, Hingoli, Osmanabad, Latur, Bid and Nanded districts.

Gujarat Region – Valsad, Tapi, Dahod, Mahisagar, Aravalli, Sagarkantha, Navsari, Surat, Narmada, Bharuch, Vadodra & Panchmahal districts.

West Madhya Pradesh – Jhabua, Alirajpur, Barwani, Mandsaur, Khargone, Dhar, Indore, Ratlam, Ujjain, Khandwa, Dewas, Sehore, Shajapur & Agar Malwa districts.

❖ **Impact Expected (Vidarbha, Telangana, Marathwada, Madhya Pradesh, Gujarat region and East Rajasthan)**

- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- Breaking of tree branches.
- Occasional reduction in visibility due to heavy rainfall.
- Reduction of visibility over sea area due to sea spray induced by strong wind and 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)

❖ **Action Suggested**

- Fishermen are advised not venture into
 - Northwest Arabian Sea and adjoining westcentral Arabian Sea till noon of 2nd September.
- Judicious regulation of offshore/onshore Operations
- Judicious regulation of surface transports including railways and roadways.
- 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.

❖ **Agromet Advisories for Heavy Rainfall likely over Vidarbha, Telangana, Marathwada, Madhya Pradesh, Gujarat region and East Rajasthan) due to Depression**

- Make provision for draining out excess water from crop fields to avoid water stagnation.
- Provide mechanical support to horticultural crops and staking to vegetables.

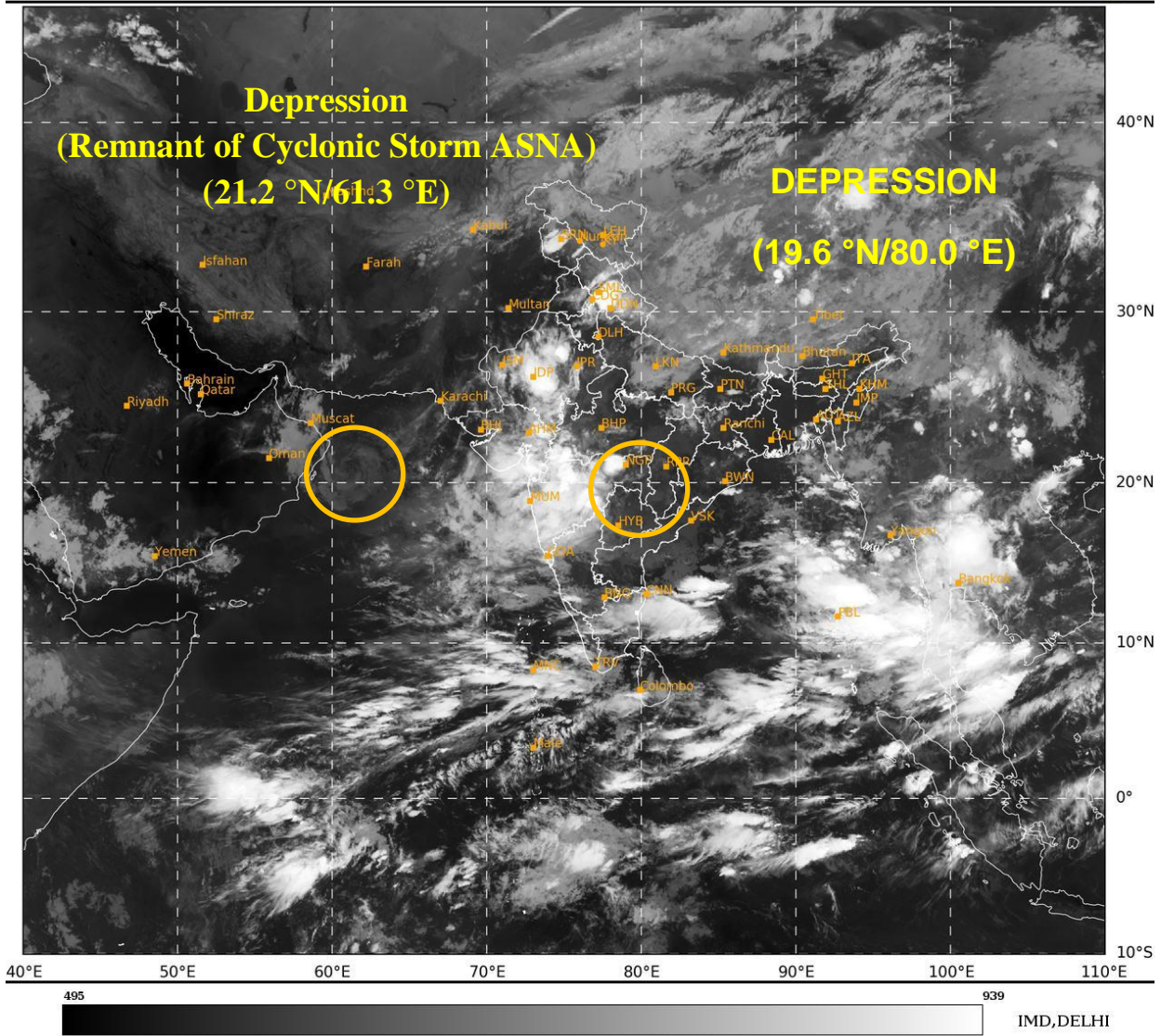
Significant amount of rainfall (from 0830 hours IST of yesterday to 0530 hours IST of today, the 02nd September, 2024):

East Rajasthan: Jaipur-12, Ajmer-3; **East Madhya Pradesh:** Jabalpur-1; **West Madhya Pradesh:** Indore & Bhopal-2 each; **Vidarbha:** Nagpur-3, Akola-2; **Telangana:** Hyderabad Airport & Ramgundam-4 each, Hakimpeth IAF & Dundigal IAF-3 each; **Madhya Maharashtra:** Sholapur-4, **Marathwada:** Aurangabad-4;

Next bulletin will be issued at 1130 hours IST of today, the 2nd September, 2024.

(Dr. Shashi Kant)
Scientist-D, RSMC, IMD, New Delhi

Copy to: ACWC Kolkata/ACWC Mumbai/RMC Mumbai/CWC Ahmedabad/MC Jaipur/RMC, Nagpur/MC, Bhopal//CWC Bhubaneswar/MC, Goa/MC, Ranchi





OBSERVED AND FORECAST TRACK OF DEPRESSION OVER EAST VIDARBHA AND ADJOINING TELANGANA BASED ON 0000 UTC (0530 IST) OF 2nd SEPTEMBER, 2024.

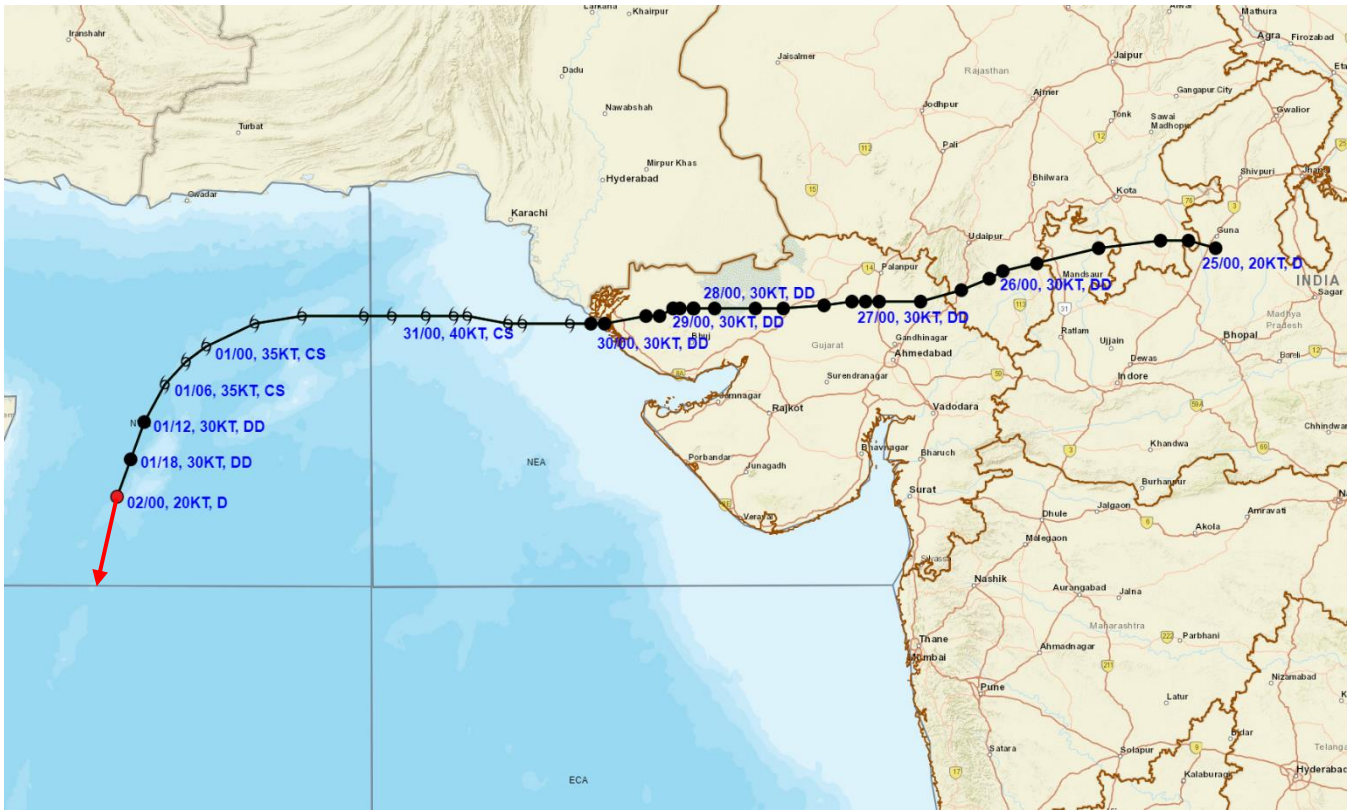


DATE/TIME IN UTC
IST=UTC + 0530
L: LOW PRESSURE AREA
WML: WELL MARKED LOW PRESSURE AREA
D: DEPRESSION (17-27 KT)
DD: DEEP DEPRESSION (28-33 KT)
CS: CYCLONIC STORM (34-47 KT)
SCS: SEVERE CYCLONIC STORM (48-63KT)
VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)
SuCS: SUPER CYCLONIC STORM (≥20 KT)

- LESS THAN 34 KT
- 34-47 KT
- ≥ 48 KT
- OBSERVED TRACK
- FORECAST TRACK
- CONE OF UNCERTAINTY



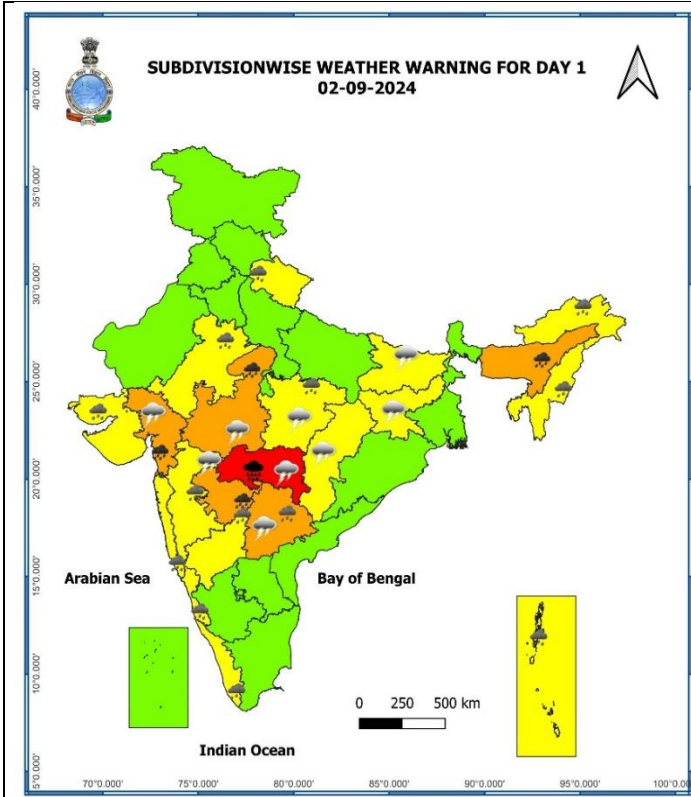
OBSERVED AND FORECAST TRACK OF DEPRESSION (REMNANT OF CYCLONIC STORM ASNA) OVER NORTHWEST ARABIAN SEA BASED ON 0000 UTC (0530 IST) OF 2nd SEPTEMBER, 2024.



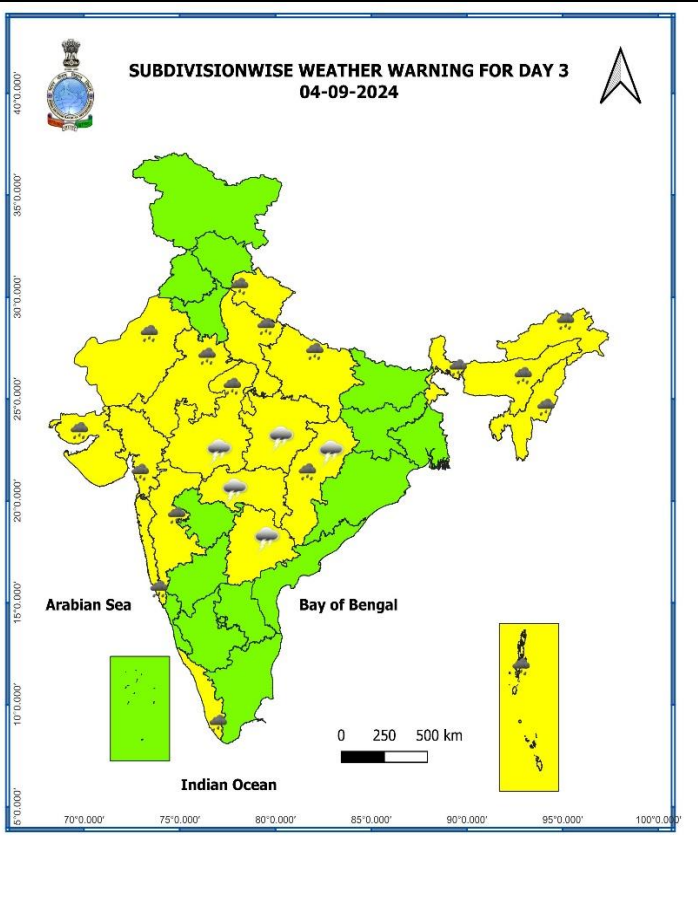
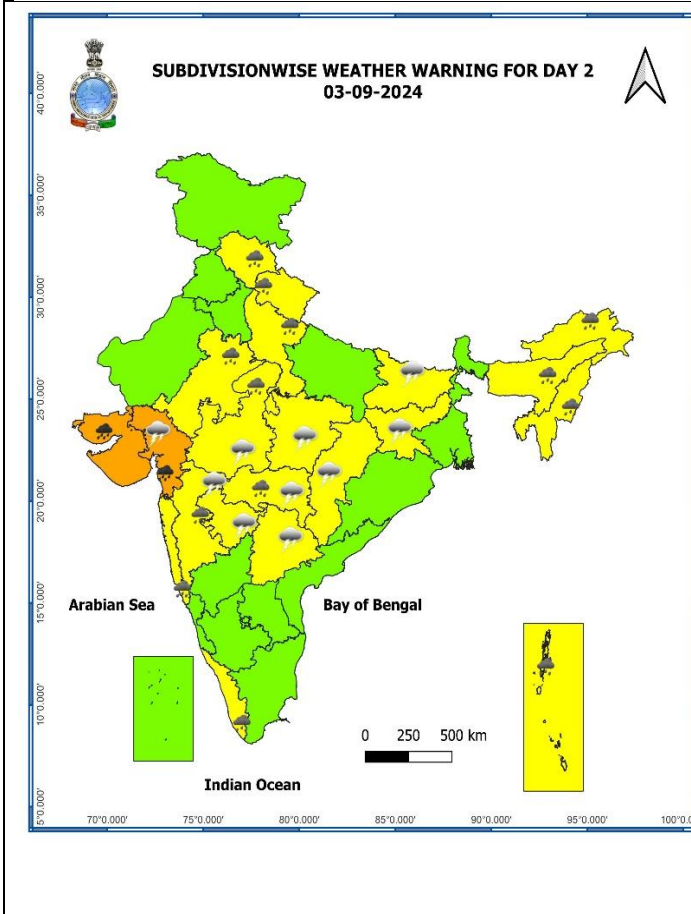
DATE/TIME IN UTC
 IST=UTC + 0530
 L: LOW PRESSURE AREA
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 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
 ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)
 SuCS: SUPER CYCLONIC STORM (\geq 120 KT)

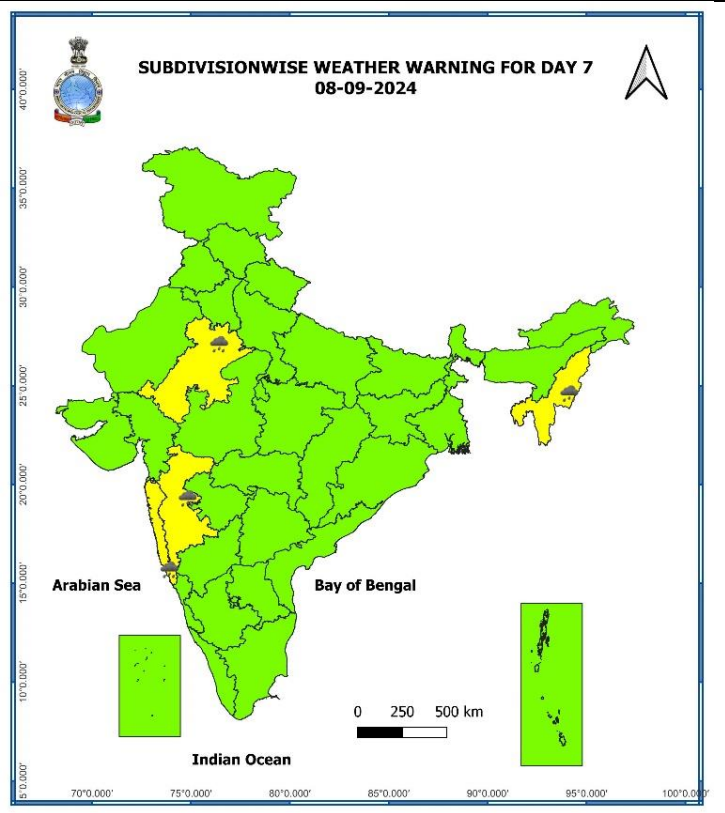
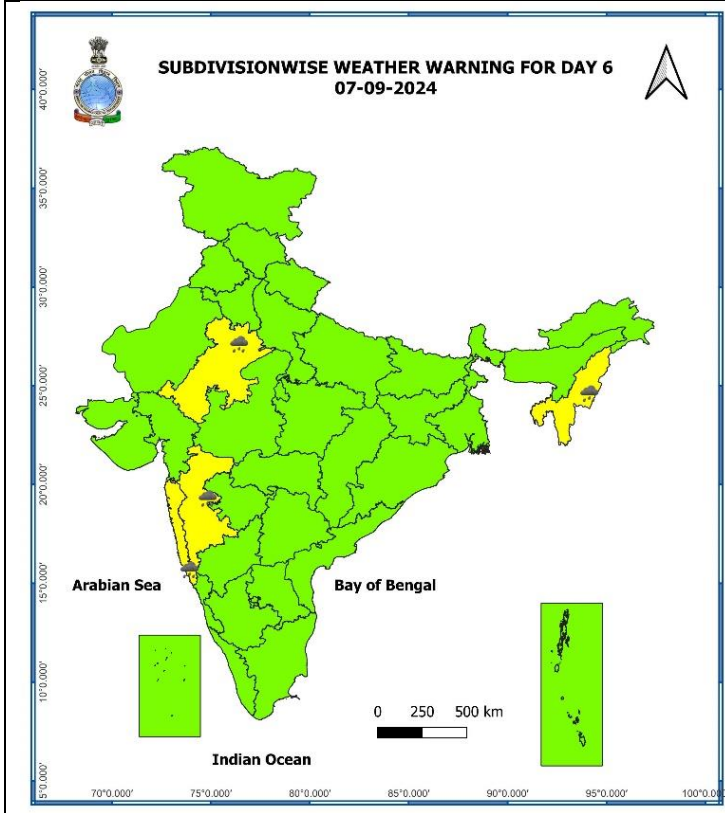
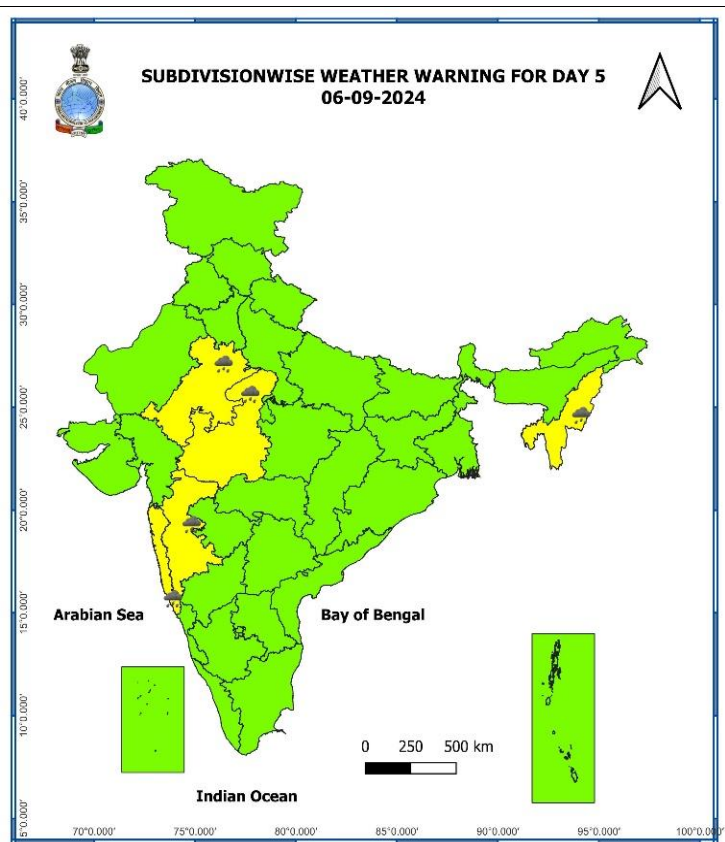
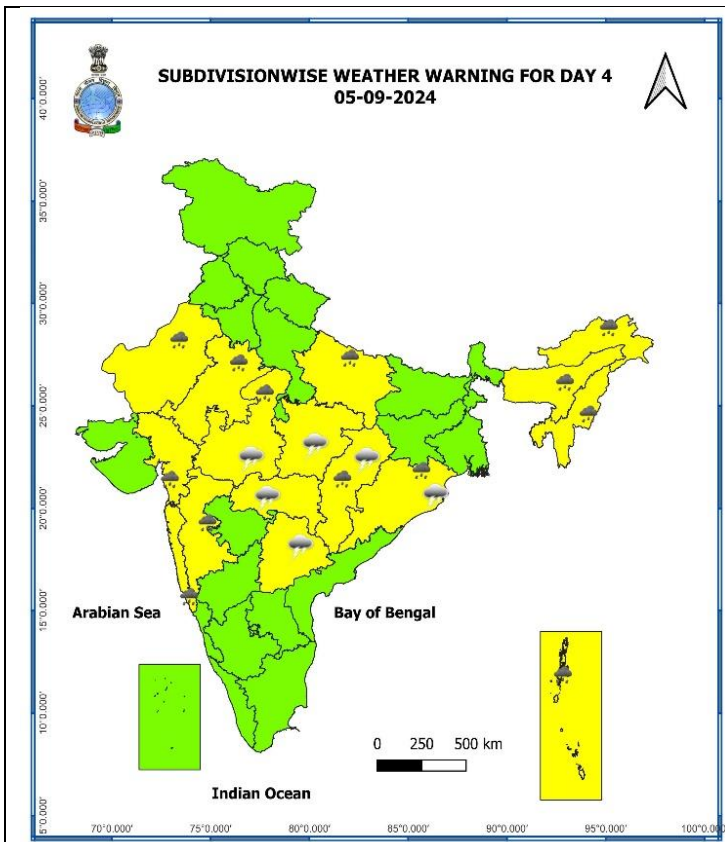
- LESS THAN 34 KT
- 34-47 KT
- \geq 48 KT
- OBSERVED TRACK
- FORECAST TRACK
- CONE OF UNCERTAINTY

Weather Warning Graphics



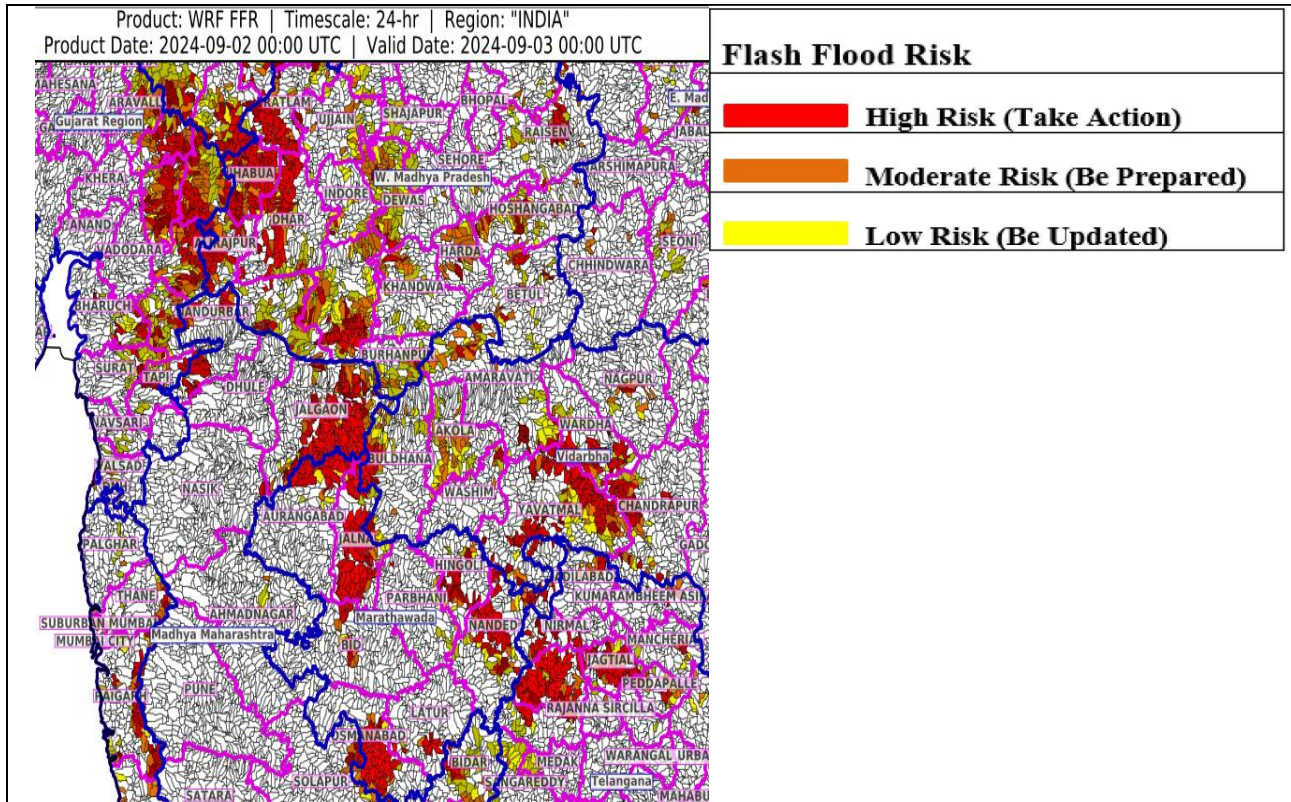
- | | | | | | | |
|--|----------------------|--|------------|--|----------------------|---------------------------|
| | Fog | | Heavy Snow | | Cold Day | Subdivision Colour |
| | Heavy Rain | | Hailstorm | | Ground Frost | |
| | Very Heavy Rain | | Dust Storm | | Strong Surface Winds | |
| | Extremely Heavy Rain | | Heat Wave | | Thunder & Lightning | |
| | | | Cold Wave | | Hot and Humid | |





- 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



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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

