



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

NATIONAL BULLETIN NO. 46 (LAND/02/2024)

TIME OF ISSUE: 2100 HOURS IST

DATED: 01.09.2024

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

**TO: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
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CHIEF SECRETARY, DAMAN & DIU (FAX NO. 0260-2230775)
CHIEF SECRETARY, DADRA & NAGAR HAVELI (FAX NO. 0260-2645466)
CHIEF SECRETARY, GOA (FAX NO. 0832-2415201)**

Sub: (a) Deep Depression (Remnant of Cyclonic Storm "ASNA") over northwest Arabian Sea and (b) Depression over South Chhattisgarh and neighbourhood

(a) Deep Depression (Remnant of Cyclonic Storm "ASNA") over northwest Arabian Sea
The **Cyclonic Storm "ASNA"** (pronounced as **As-Na**) over northwest Arabian Sea moved south-southwestwards with a speed of 10 kmph during past 6 hours, weaken into deep depression and lay centered at 1730 hours IST of today, the 01st September, 2024 over the same region near latitude 22.2°N and longitude 61.7°E, about 200 km east of Ras Al Hadd (Oman) and 380 km east-southeast of Muscat (Oman).

It is likely to continue to move further south-southwestwards over northwest Arabian Sea and weaken gradually into a depression by morning of tomorrow, the 2nd September over the same region.

Forecast track and intensity are given in the following table:

Date/Time(IST)	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
01.09.24/1730	22.2/61.7	50-60 gusting to 70	Deep Depression
01.09.24/2330	21.7/61.4	40-50 gusting to 60	Depression
02.09.24/0530	21.2/61.1	35-45 gusting to 55	Depression

Warnings:

(i) Wind warning:

- Squally wind speed reaching 50-60 kmph gusting to 70 kmph is prevailing over northwest Arabian Sea and like to become 40-50 kmph gusting to 60 kmph by early morning of 2nd September and decrease thereafter.
- Squally wind speed reaching 40-50 kmph gusting to 60 kmph is likely to prevail over central Arabian Sea till 2nd September morning and improve gradually thereafter.
- Strong wind speed reaching 30-40 kmph gusting to 50 kmph is likely along and off Gujarat, Maharashtra and Karnataka coast till morning of 2nd September.

(ii) Sea condition:

- Very Rough to Rough Sea condition is likely to prevail over northwest Arabian Sea till morning of 2nd September and would improve thereafter.
- Rough sea condition is likely over adjoining westcentral Arabian Sea till 2nd September.

(iii) Fishermen warning:

Fishermen are advised not venture into

- Northwest Arabian Sea and adjoining westcentral Arabian Sea till 2nd September.

(b) Depression over South Chhattisgarh and neighbourhood

The depression over South Chhattisgarh and adjoining South Odisha moved west-northwestwards with a speed of 17 kmph during the past 6 hours and lay centered at 1730 hours IST of today, the 01st September, 2024 over South Chhattisgarh and neighbourhood near latitude 19.0°N and longitude 81.2°E, about 90 km west of Jagdalpur (Chhattisgarh), 190 km east of Ramagundam (Telangana), 230 km southeast of Bramhapuri (Maharashtra) and 230 km east-southeast of Chandrapur (Maharashtra).

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

Warnings:

(i) Rainfall Warning:

South Odisha and south Chhattisgarh Light to moderate rainfall at most places with heavy rainfall at isolated places likely on 1st September.

North Andhra Pradesh: Light to moderate rainfall at most places with isolated heavy to very heavy rainfall likely during next 24 hours.

Telangana: Light to moderate rainfall at most places with isolated heavy to extremely heavy rainfall at isolated places over Telangana on 1st September and isolated heavy rainfall over north Telangana on 2nd September.

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 1st and 2nd September.

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

North Madhya Maharashtra: Light to moderate rainfall at most places with heavy rainfall at isolated places on 1st and 2nd September.

East Madhya Pradesh: Light to moderate rainfall at most places with heavy to very heavy rainfall at isolated places is likely on 1st and 2nd September.

West Madhya Pradesh: 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.

East Rajasthan: Light to moderate rainfall at most places with heavy rainfall at isolated places on 1st and 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.

(ii) Wind warning:

- Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph is likely over South Chhattisgarh, Telangana, Marathwada and Vidarbha on 1st September and decrease thereafter.

(iii) Sea condition:

- Rough sea condition is very likely to prevail over Westcentral and adjoining Northwest Bay of Bengal along & off North Andhra Pradesh & south Odisha coasts during next 12 hours.

(iv) Fishermen warning:

Fishermen are advised not to venture into

- Westcentral & adjoining northwest Bay of Bengal along & off south Odisha and north Andhra Pradesh Coasts on 1st September.

(v) Flash Flood Guidance:

24 hours Outlook for the Flash Flood Risk (FFR) till 1730 IST of 02-09-2024 :

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

Telangana - Adilabad, J. Bhupalpally, Jagtial, Kamareddy, Kumaram Bheem, Mancherial, Nirmal, Nizamabad, Peddapalle, Rajanna Sircilla, Sangareddy and Vikarabad districts.

Vidarbha - Akola, Amaravati, Bhandara, Buldhana, Chandrapur, Nagpur, Wardha, Washim and Yavatmal districts. West Madhya Pradesh - Betul, Bhopal, Burhanpur, Dewas, Dhar, Harda, Jhabua, Khandwa, Khargone, Raisen, Ratlam, Sehore, Videsha and Hoshangabad districts.

Madhya

Maharashtra - Jalgaon district

Marathawada - Aurangabad, Bid, Hingoli, Latur, Osmanabad and Parbhani districts.

❖ **Impact Expected (Andhra Pradesh, south Odisha, south Chhattisgarh, Telangana, Vidarbha, Marathwada, Madhya Pradesh and Gujarat region)**

- 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 2nd September.
 - Westcentral & adjoining northwest Bay of Bengal and along & off south Odisha and north Andhra Pradesh Coasts on 1st 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.

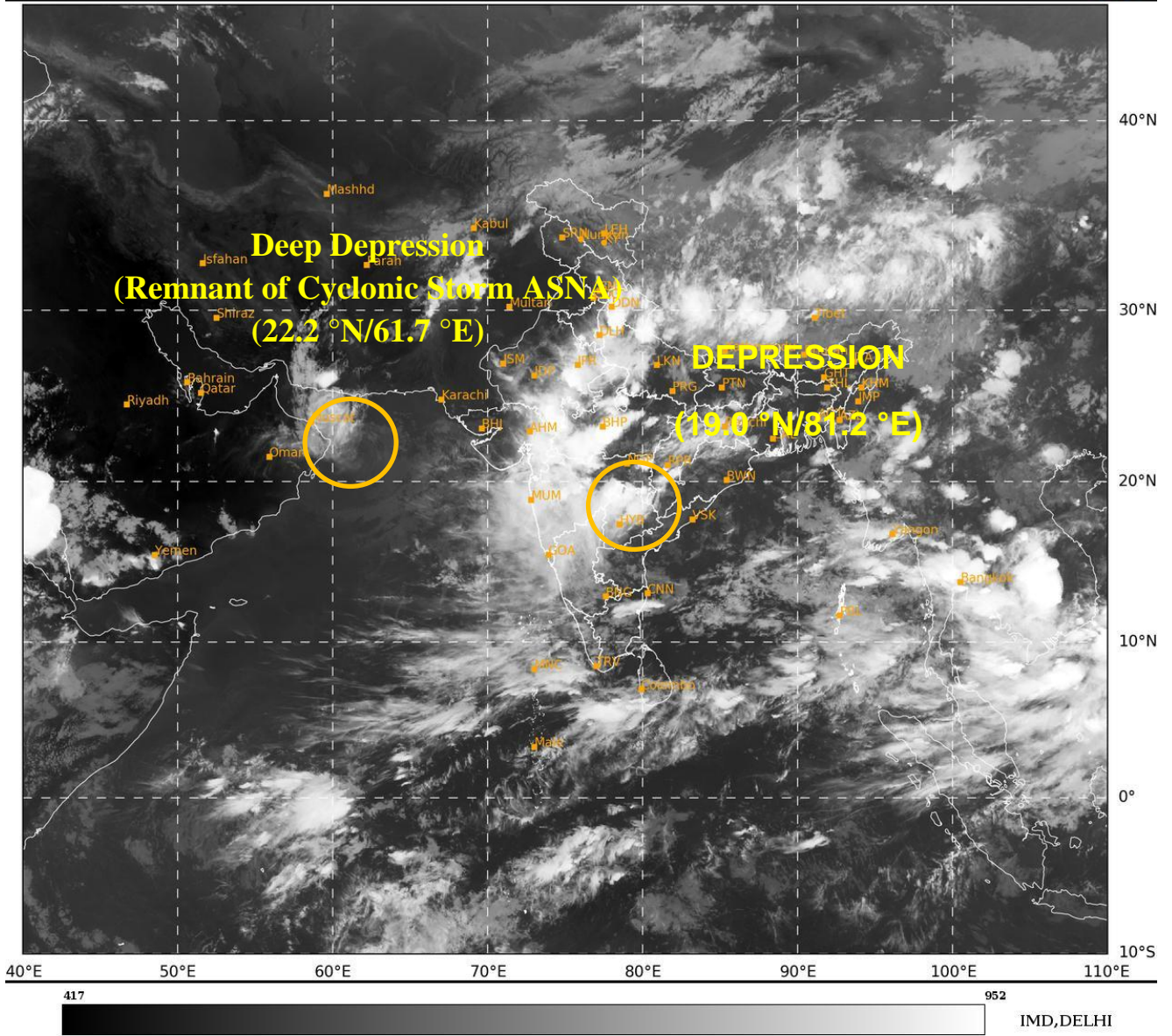
- Avoid staying in vulnerable structure.
- ❖ **Agromet Advisories for Heavy Rainfall** likely over south Chhattisgarh, Telangana, Vidarbha, Marathwada, Madhya Pradesh and Gujarat region) due to Depression
 - Make provision for draining out excess water from crop fields to avoid water stagnation.
 - Provide mechanical support to horticultural crops and staking to vegetables.

Significant Rainfall recorded from 0830 hrs IST to 1730 hrs IST of today, the 1st September is given in Annexure –I

Next bulletin will be issued at 0230 hours IST of tomorrow, the 2nd September, 2024.

(Dr. Ananda Kumar Das)
Scientist-F, 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 SOUTH CHHATTISGARH AND NEIGHBOURHOOD BASED ON 1200 UTC (1730 IST) OF 1ST SEPTEMBER, 2024.



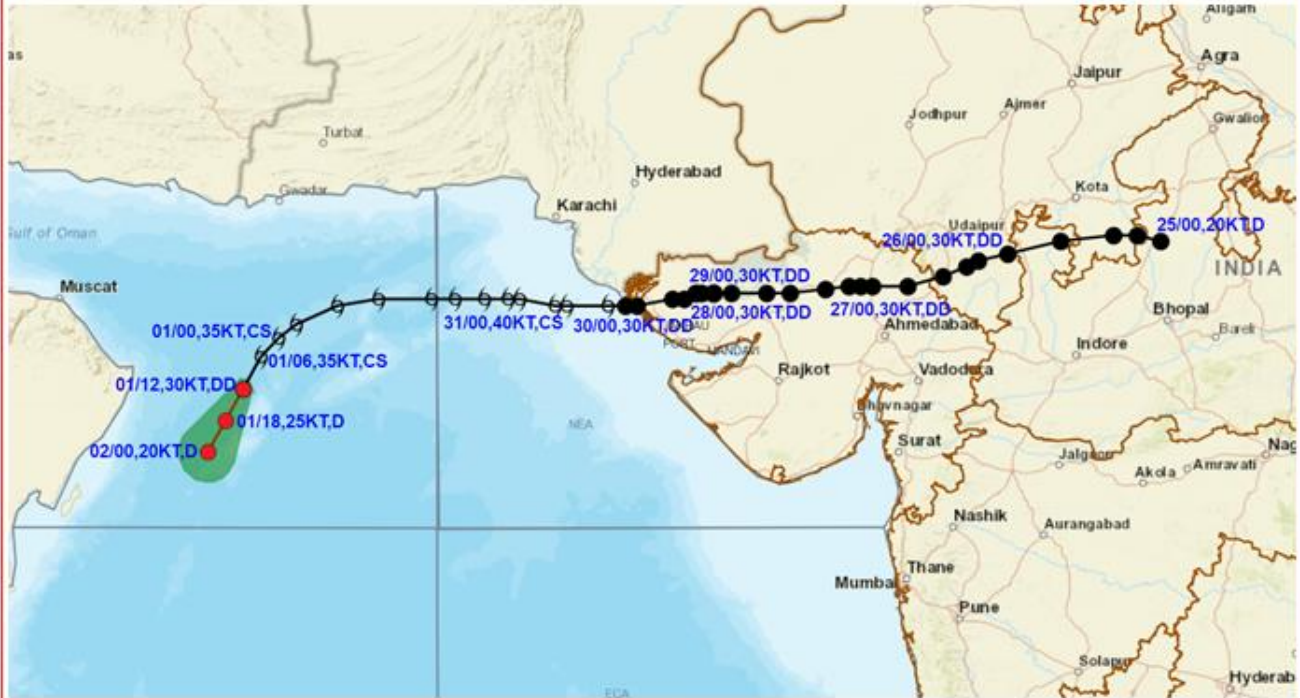
DATE/TIME IN UTC
 IST=UTC + 0530
 L: LOW PRESSURE AREA
 WML: WELL MARKED LOW PRESSURE AREA
 D: DEPRESSION (17-27 KT)
 DD: DEEP DEPRESSION (28-33 KT)
 CS: CYCLONIC STORM (34-47 KT)
 SCS: SEVERE CYCLONIC STORM (48-63KT)
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
 ESCS: EXTREMELY SEVERE CYCLONIC STORM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

WCB: WESTCENTRAL BAY OF BENGAL
 ECB: EASTCENTRAL BAY OF BENGAL
 NWB: NORTHWEST BAY OF BENGAL



OBSERVED AND FORECAST TRACK OF DEEP DEPRESSION (REMNANT OF ASNA) ALONGWITH CONE OF UNCERTAINTY OVER NORTHWEST ARABIAN SEA BASED ON 1200 UTC (1730 IST) OF 1ST SEPTEMBER, 2024.

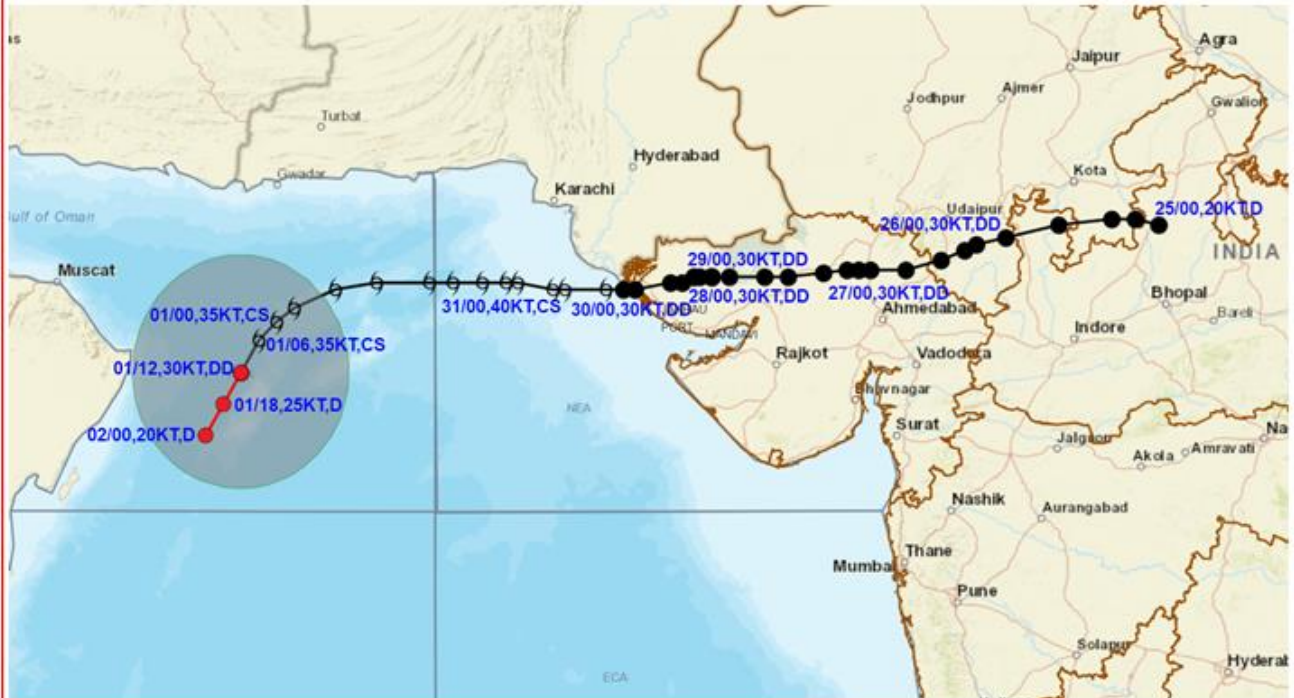


DATE/TIME IN UTC
 IST=UTC + 0530
 L: LOW PRESSURE AREA
 WML: WELL MARKED LOW PRESSURE AREA
 D: DEPRESSION (17-27 KT)
 DD: DEEP DEPRESSION (28-33 KT)
 CS: CYCLONIC STORM (34-47 KT)
 SCS: SEVERE CYCLONIC STORM (48-63KT)
 VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)
 ESCS: EXTREMELY SEVERE CYCLONIC STORM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

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



OBSERVED AND FORECAST TRACK OF DEEP DEPRESSION (REMNANT OF ASNA) ALONGWITH QUADRANT WIND DISTRIBUTION OVER NORTHWEST ARABIAN SEA BASED ON 1200 UTC (1730 IST) OF 1st 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)

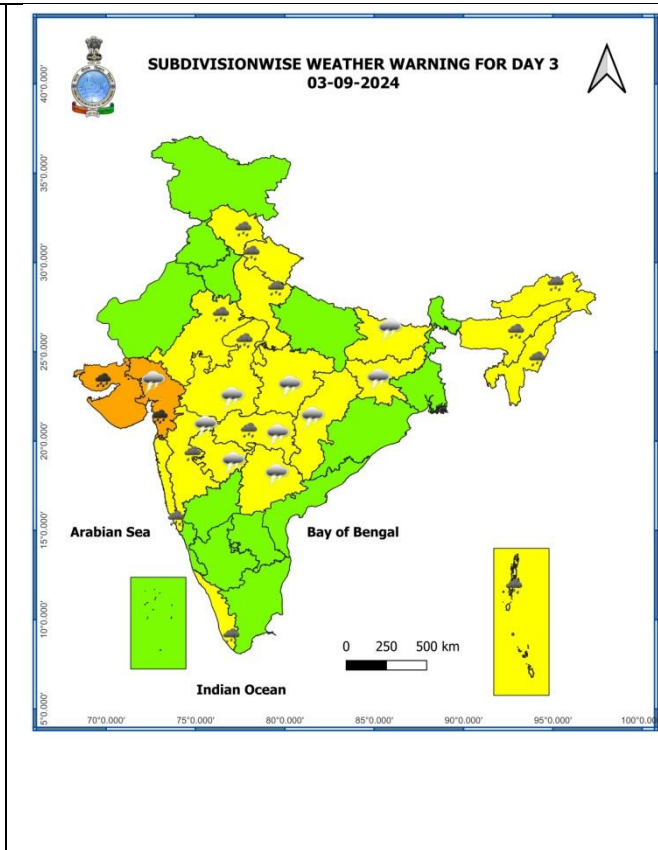
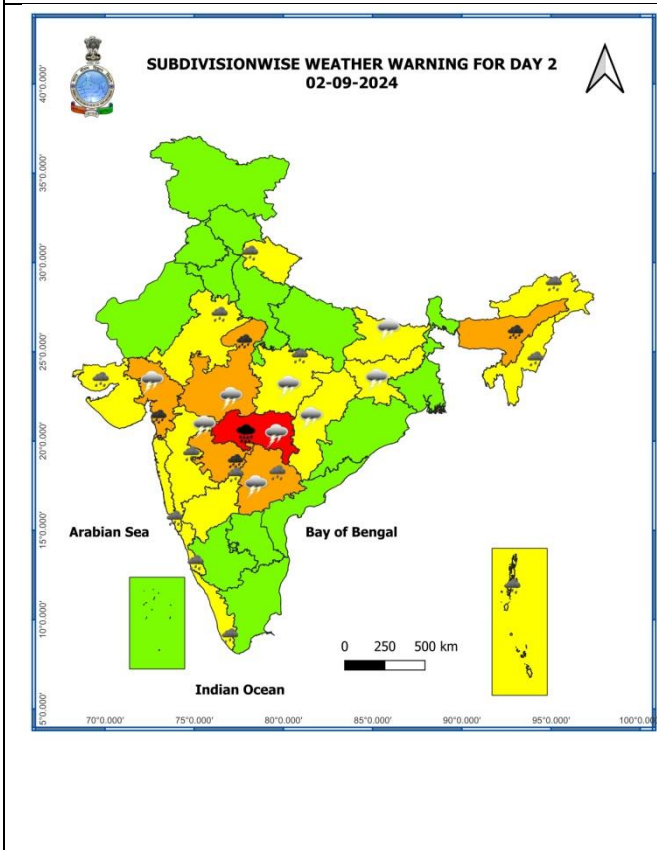
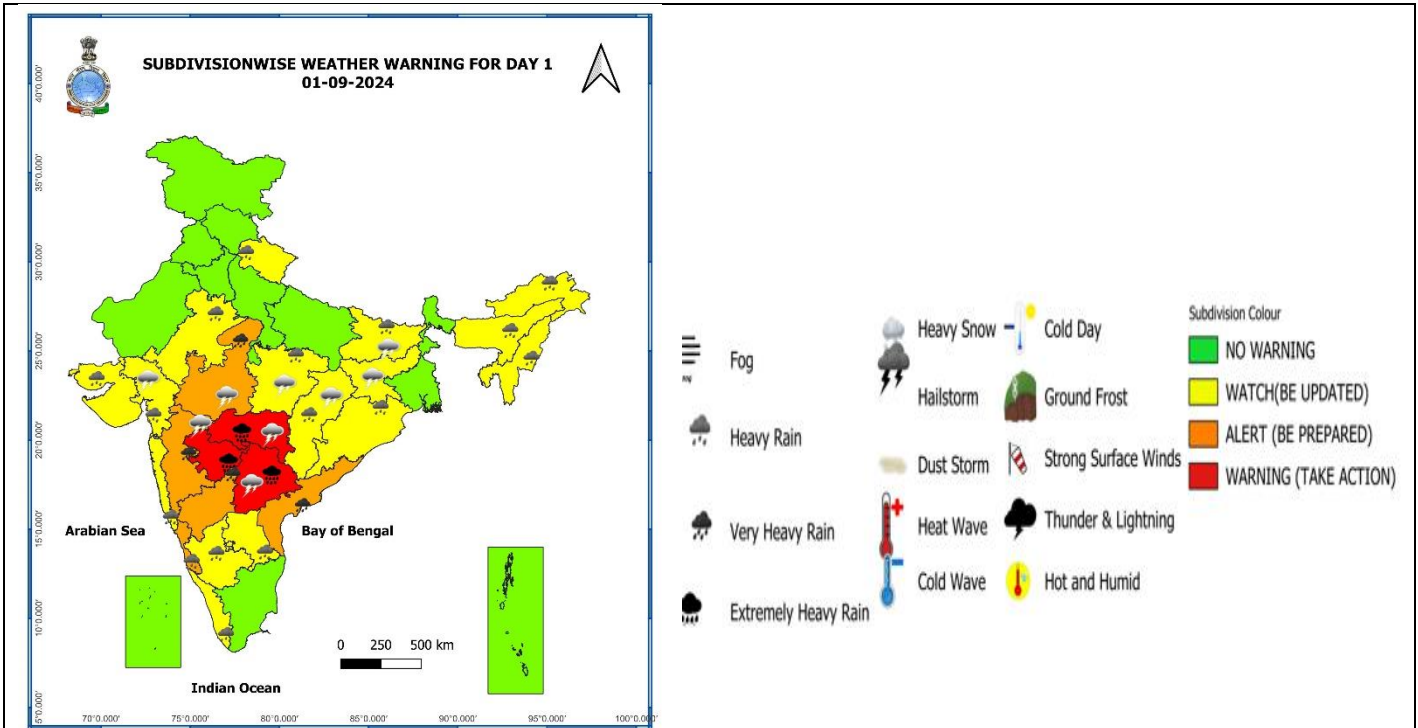
SuCS: SUPER CYCLONIC STORM (≥ 120 KT)

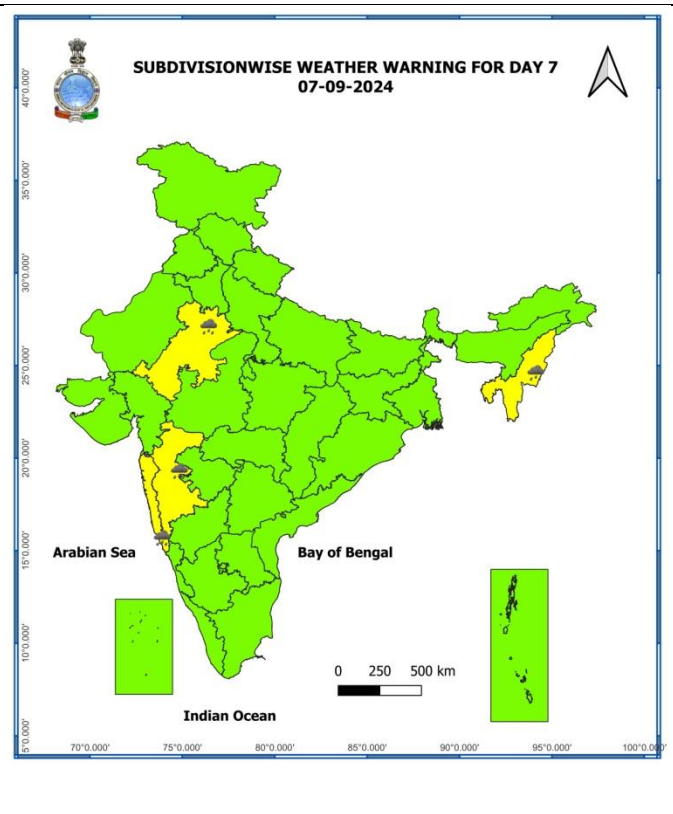
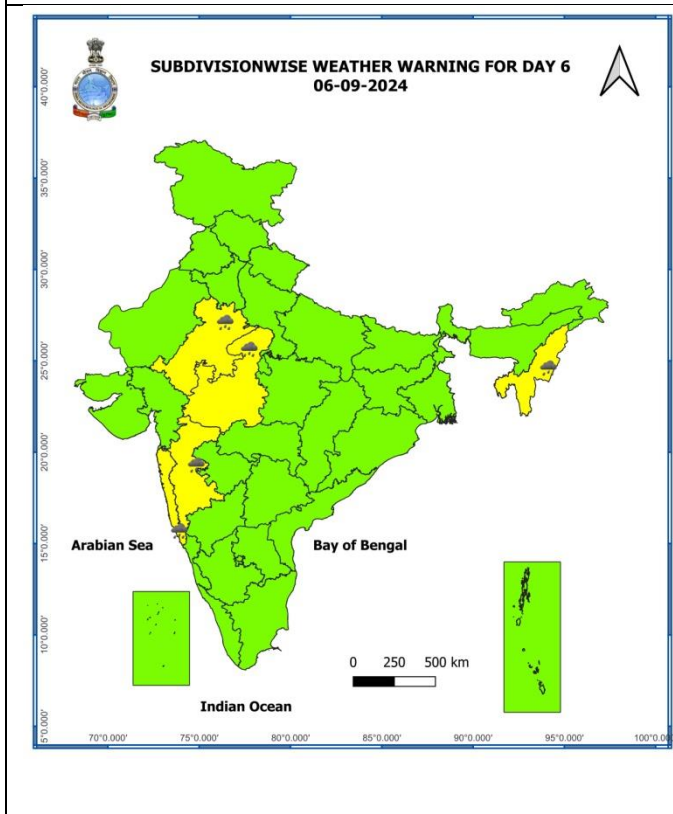
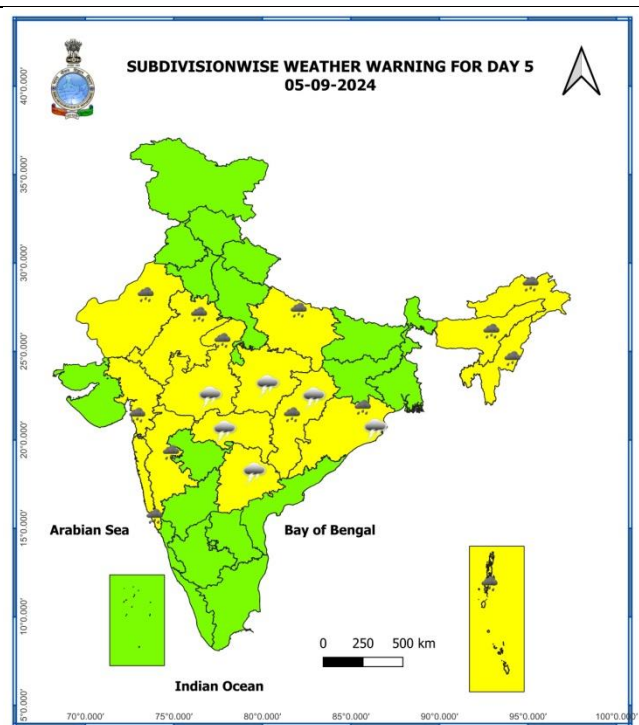
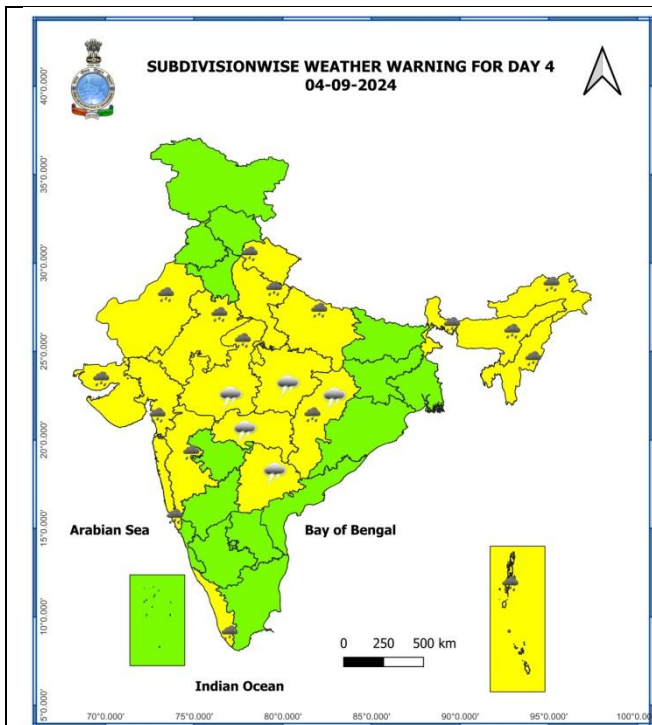
- LESS THAN 34 KT
- 34-47 KT
- ⊙ ≥ 48 KT
- OBSERVED TRACK
- FORECAST TRACK
- CONE OF UNCERTAINTY
- AREA OF MAXIMUM SUSTAINED WIND SPEED:
- 28-33 KT (52-61 KMPH)
- 34-49 KT (62-91 KMPH)
- 50-63 KT (92-117 KMPH)
- ≥ 64 KT (≥118 KMPH)

IMPACT OVER THE SEA

MSW (knot/kmph)	Impact	Action
28-33 (52-61)	Very rough seas	Total suspension of fishing operations
34-49 (62-91)	High to very high seas	Total suspension of fishing operations
50-63 (92-117)	Very high seas	Total suspension of fishing operations
≥ 64 (≥118)	Phenomenal	Total suspension of fishing operations

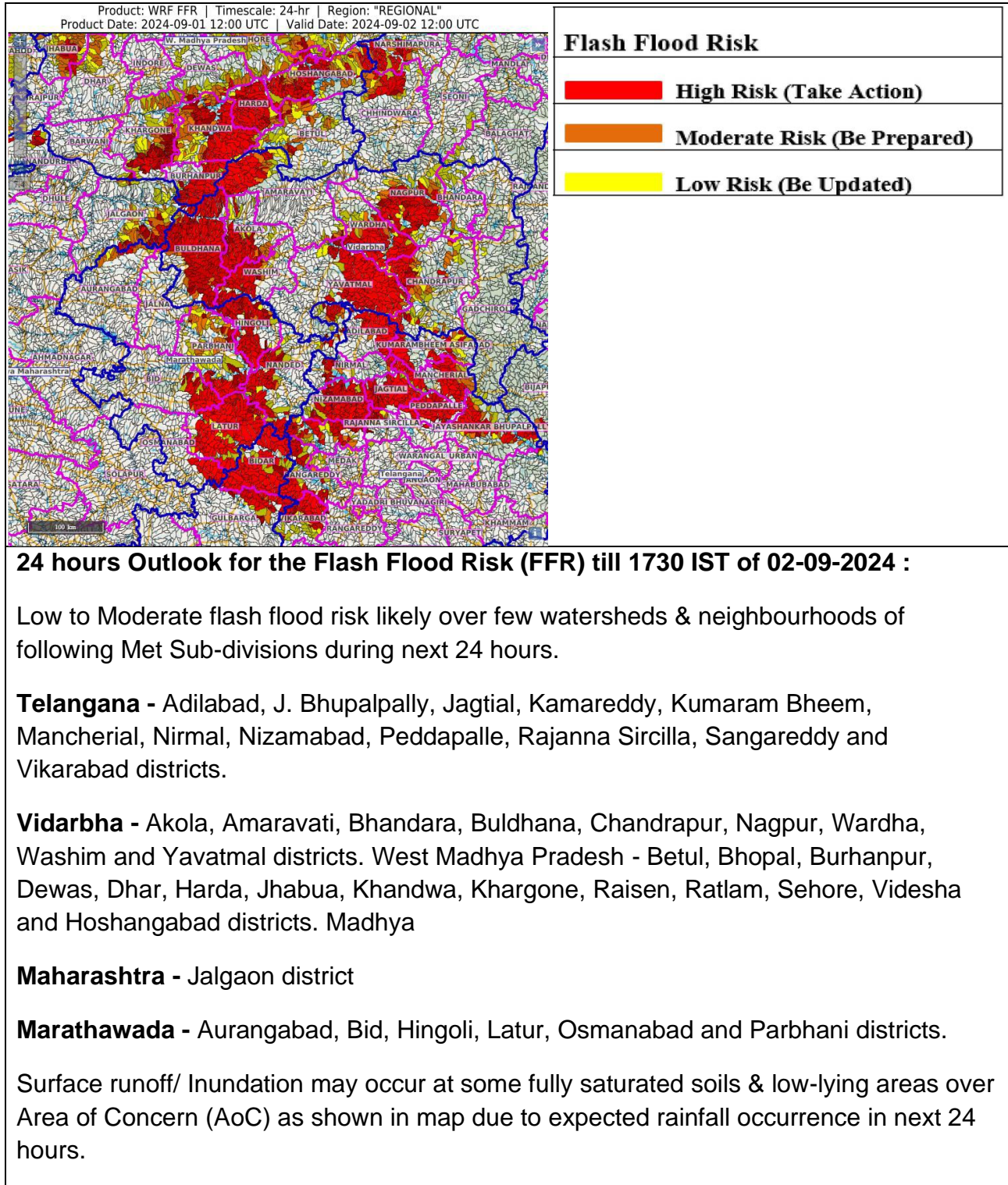
Weather Warning Graphics



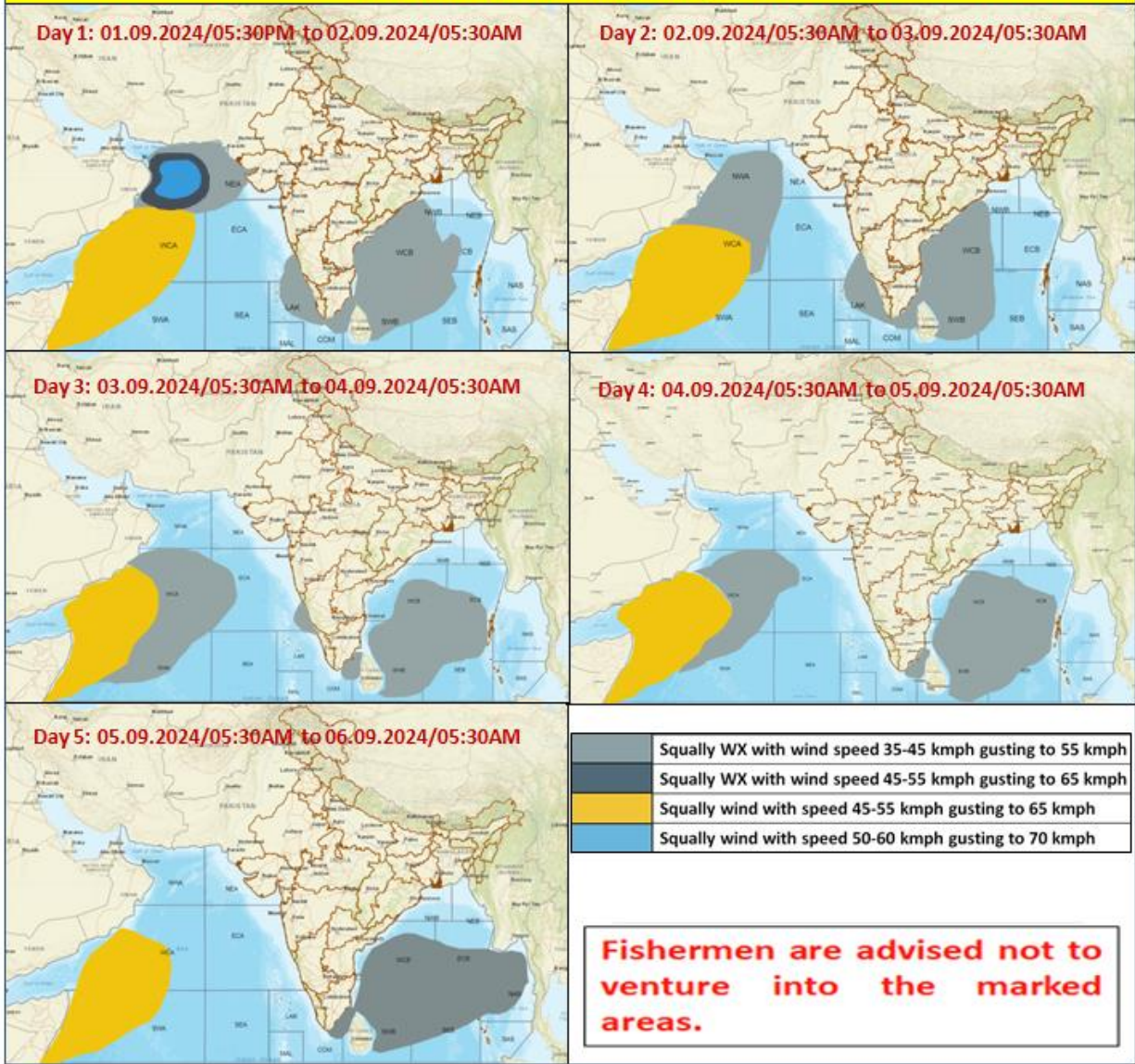


- Action may be taken based on **ORANGE AND RED** COLOUR warnings.
- Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning.
- As the lead period increases forecast accuracy decreases.

Flash Flood Guidance



Fishermen Warning Graphics



Annexure –I

Significant amount of rainfall from 0830 hours IST to 1730 hours IST of today, the 1st September (in cm):

Telangana: Nagireddypet-11, Medak-8, Nizamabad, Ramgundam, Hanamkonda, Dundigal, Hakimpeth & Hyderabad-3 each;

Odisha: Talcher & Khordha-2 each;

Marathwada: Parbhani-9, Bir-5;

Madhya Maharashtra: Mahabaleshwar-3; Sholapur-2;

Vidarbha: Washim-3;

West Madhya Pradesh: Ujjain-3, Bhopal & Hoshangabad-2 each;

East Madhya Pradesh: Chhindwara-2.

East Rajasthan: Jaipur-5;