



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

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

TIME OF ISSUE: 1500 HOURS IST

DATED: 07.09.2025

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Subject: Deep Depression over North Gujarat and adjoining Southwest Rajasthan

The depression over North Gujarat and adjoining Southwest Rajasthan moved nearly westwards with the speed of 13 kmph during past 6 hours, intensified into a deep depression and lay centred at 1130 hrs IST of today, the 07th September, 2025, over the same region near latitude 24.3°N and longitude 71.4°E, about 80 km west of Deesa (Gujarat), 60 Km north-northwest of Radhanpur (Gujarat), 160 km south of Barmer (Rajasthan), 200 km northeast of Bhuj (Gujarat) and 210 km southeast of Chhor (Pakistan)

It is very likely to continue to move nearly westwards across Kutch and adjoining southwest Rajasthan & Pakistan during next 48 hours.

Warnings:

(i) Rainfall Warning:

North Gujarat Region and Saurashtra & Kutch: Light to moderate rainfall at most places with **heavy to very heavy rainfall (7-20 cm) at a few places and extremely heavy falls (≥21 cm)** at isolated places is very likely on 07th September and heavy to very heavy rainfall at isolated places is very likely on 08th September. Isolated exceptionally heavy rainfall (**≥30 cm**) is also very likely on 7th September.

South Gujarat Region: Light to moderate rainfall at most places with **heavy to extremely heavy rainfall at isolated places** at isolated places is very likely on 07th September and heavy rainfall at isolated places is very likely on 08th September.

West Rajasthan: Light to moderate rainfall at most places with **heavy to very heavy rainfall at a few places and extremely heavy falls (≥21 cm)** at isolated places is very likely over southwest Rajasthan on 07th September and heavy to **very heavy rainfall at isolated places is very likely** on 08th September.

East Rajasthan: Light to moderate rainfall at most places with **heavy to very heavy rainfall** at isolated places is very likely over southeast Rajasthan on 07th September and heavy rainfall at isolated places is likely on 08th September.

Coastal Maharashtra: Light to moderate rainfall at most places with **heavy to very heavy rainfall** at isolated places is very likely over North Coastal Maharashtra on 07th September.

Madhya Maharashtra: Light to moderate rainfall at most places with **heavy rainfall** at isolated places is very likely on 07th September.

(ii) Wind Warnings:

- ❖ Squally weather with wind speed reaching 50-60 kmph gusting to 70 kmph is likely to prevail over northeast & adjoining eastcentral Arabian Sea and along & off Gujarat and North Konkan coasts till 9th September 2025 and decrease thereafter.
- ❖ Squally wind speed reaching 45-55 kmph gusting to 65 kmph is likely over southwest Rajasthan on 7th and Gujarat state on 7th & 8th September and decrease thereafter.

(iii) Sea condition: Sea condition is likely to be rough to very rough over northeast and adjoining eastcentral Arabian Sea and along & off Gujarat and North Konkan coasts till 9th September 2025.

(iv) Warning:

- ❖ Fishermen are advised not to venture into northeast and adjoining eastcentral Arabian Sea and along & off Gujarat and North Konkan coasts till 9th September 2025.
- ❖ Small ships/shipping activities are to be monitored and regulated till 9th September 2025.
- ❖ Judicious regulation of tourism, recreational and onshore/off shore operations till 9th September.

(v) Impact Expected and Action Suggested due to very heavy/extremely heavy rainfall and squally winds over south Rajasthan and Gujarat state

Impact expected:

- ❖ Heavy rainfall may damage plantation, horticulture and standing crops.
- ❖ Partial damage to vulnerable structures due to heavy rain.
- ❖ Minor damage to kutcha houses/walls, huts and roads due to heavy rain.
- ❖ Road and rail traffic may be affected due to heavy rain.
- ❖ There could be localised landslides, mudslides, landslips in the hilly areas and 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.
- ❖ Helicopter services to be regulated.
- ❖ Avoid moving into vulnerable areas, as the surface transport and vehicular movement may be affected due to rain and wind

Next bulletin will be issued at 2030 hrs IST of today, the 07th September, 2025.

(DR Pattanaik)

Scientist-G, IMD, New Delhi

Copy to: Regional Meteorological Centres- Mumbai, Meteorological Centres Ahmedabad, Jaipur.

24 hours accumulated realised rainfall (≥ 7 cm) ending at 0830 hours IST of 7th September (in cm)

GUJARAT REGION

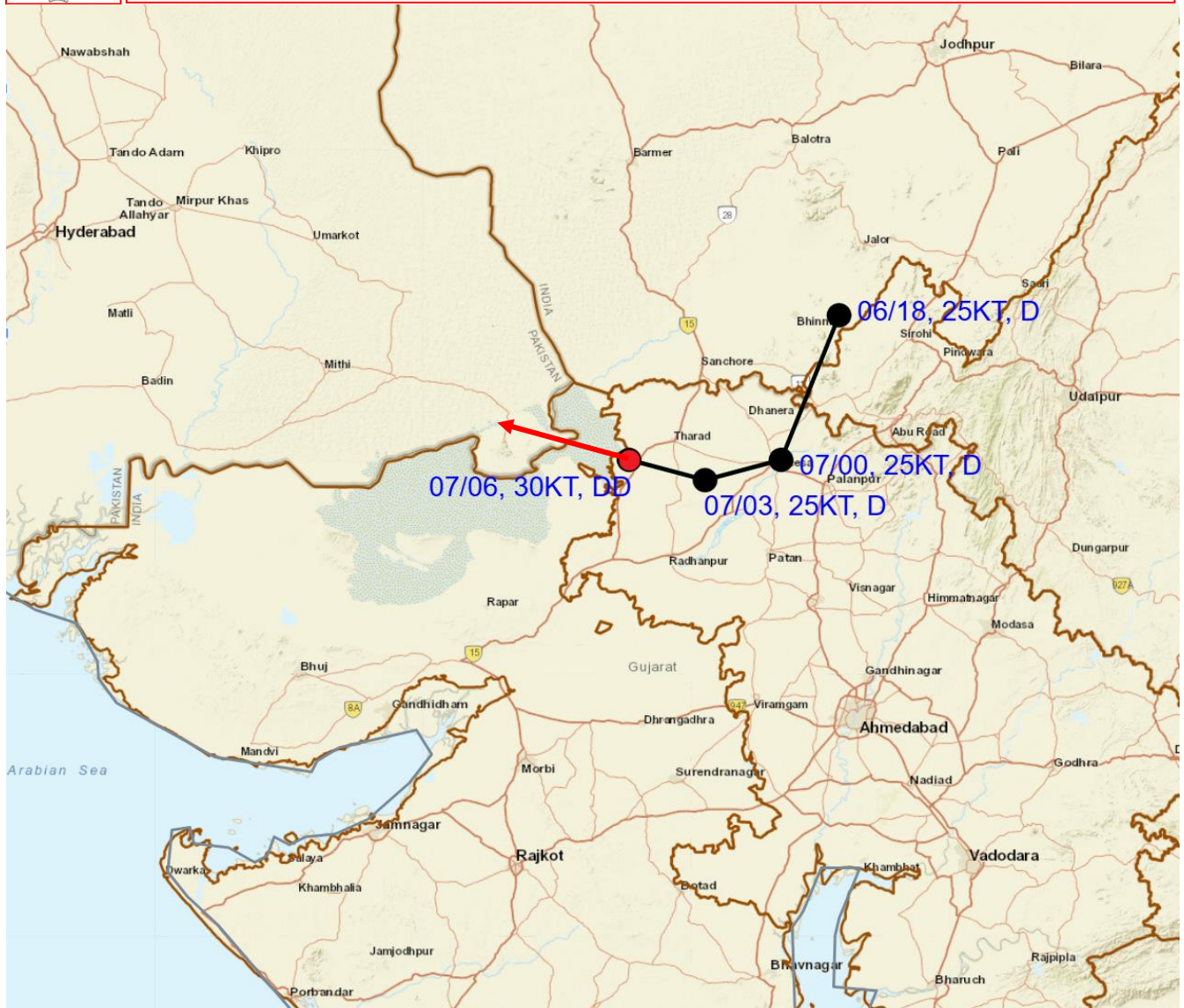
09-07-2025: Madhbun (dist Dadara & Nagar Haveli) 24, Kaprada (dist Valsad) 23, Silvassa (dist Dadara & Nagar Haveli) 21, Nanipalson (dist Valsad) 17, Khanvel (dist Dadara & Nagar Haveli) 17, Poshina (dist Sabarkantha) 15, Dharampur (dist Valsad) 14, Umergam (dist Valsad) 14, Danta (dist Banaskantha) 12, Lakhani (dist Banaskantha) 12, Santalpur (dist Patan) 11, Wav (dist Banaskantha) 10, Prantij (dist Sabarkantha) 10, Talod (dist Sabarkantha) 10, Sanand (dist Ahmedabad) 10, Palanpur (dist Banaskantha) 10, Satlasana (dist Mehsana) 10, Kadi (dist Mehsana) 10, Sagbara (dist Narmada) 10, Dharoi Colony (dist Mehsana) 10, Dantiwada (dist Banaskantha) 9, Radhanpur (dist Patan) 9, Jhalod (dist Dahod) 9, Dhanera (dist Banaskantha) 9, Bhiloda (dist Aravalli) 9, Himatanagar (dist Sabarkantha) 9, Khedbrahma (dist Sabarkantha) 8, Pardi (dist Valsad) 8, Umerpada (dist Surat) 8, Vapi (dist Valsad) 8, Patan (dist Patan) 8, Mahesana (dist Mehsana) 8, Modasa (dist Aravalli) 8, Siddhpur (dist Patan) 8, Bayad (dist Aravalli) 8, Khergam (dist Navsari) 7, Ukai (dist Surat) 7, Patan_aws (dist Patan) 7, Suigam (dist Banaskantha) 7, Vijaynagar (dist Sabarkantha) 7, Ghandinagar_aws (dist Gandhinagar) 7, Idar (dist Sabarkantha) 7, Tharad (dist Banaskantha) 7, Abad City (dist Ahmedabad) 7, Becharaji (dist Mehsana) 7, Dhanpur (dist Dahod) 7, Daman (dist Daman) 7, Dahod (dist Dahod) 7, Visnagar (dist Mehsana) 7, Dolvan (dist Tapi) 7, Kheralu (dist Mehsana) 7, Balasinor (dist Mahisagar) 7

SAURASHTRA & KUTCH

09-07-2025: Bhachau (dist Kutch) 11, Morbi (dist Morbi) 10, Botad (dist Botad) 10, Bachau_aws (dist Kutch) 9, Paddhari (dist Rajkot) 8, Malia_miana (dist Morbi) 8, Rapar (dist Kutch) 7, Tankara (dist Morbi) 7, Jamkandorna (dist Rajkot) 7, Halvad (dist Morbi) 7.



OBSERVED AND FORECAST TRACK OF DEEP DEPRESSION OVER NORTH GUJARAT AND ADJOINING SOUTH WEST RAJASTHAN BASED ON 0600 UTC (1130 IST) OF 07th SEP, 2025.



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

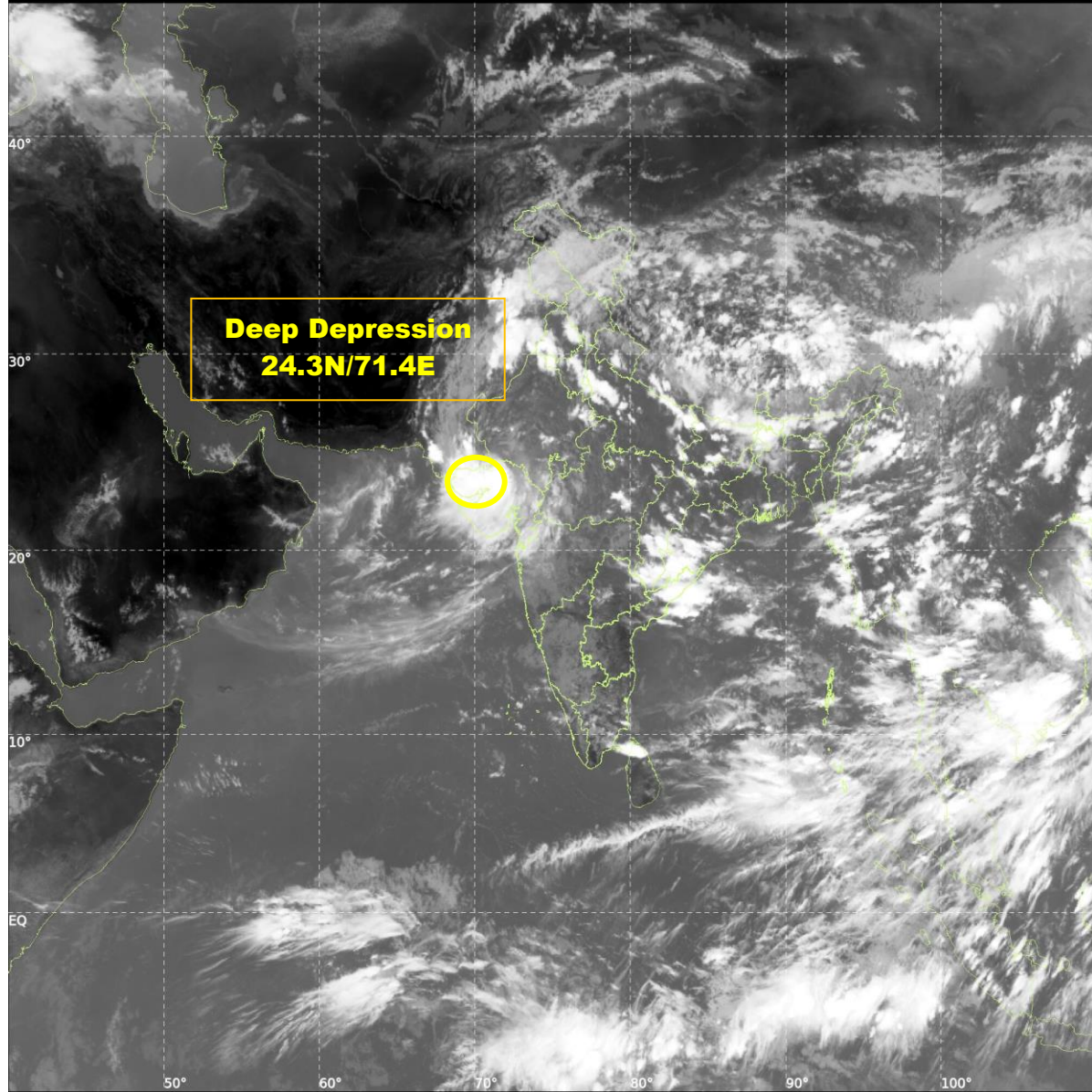
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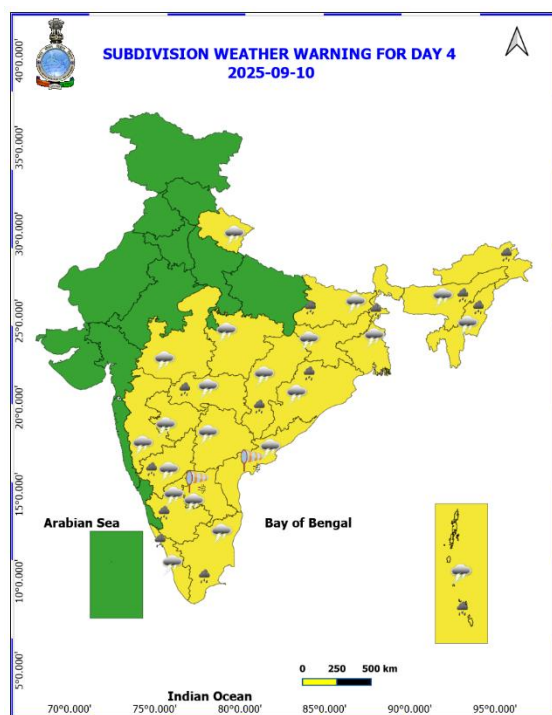
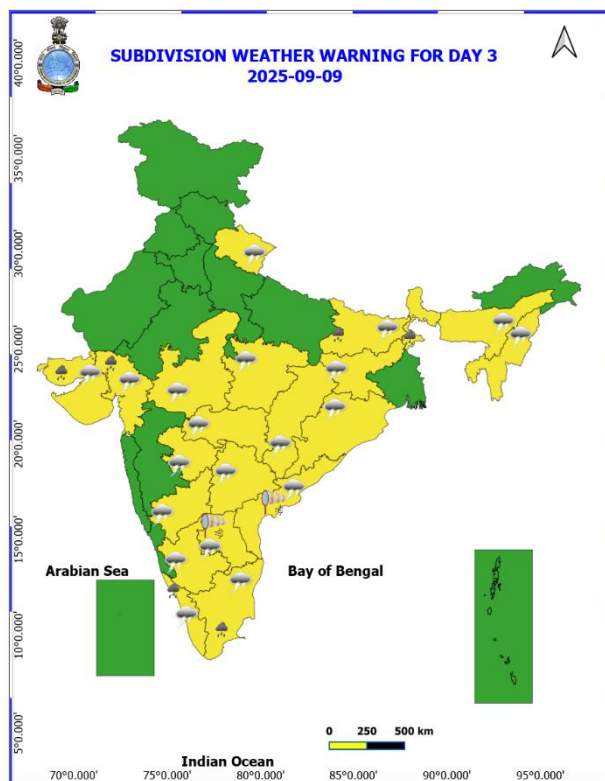
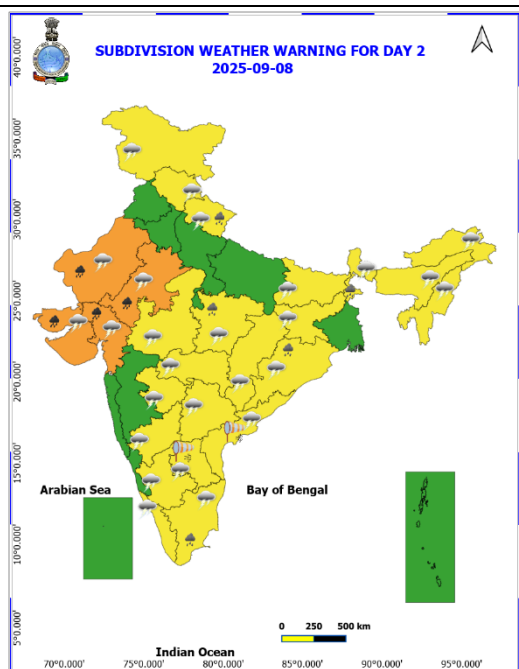
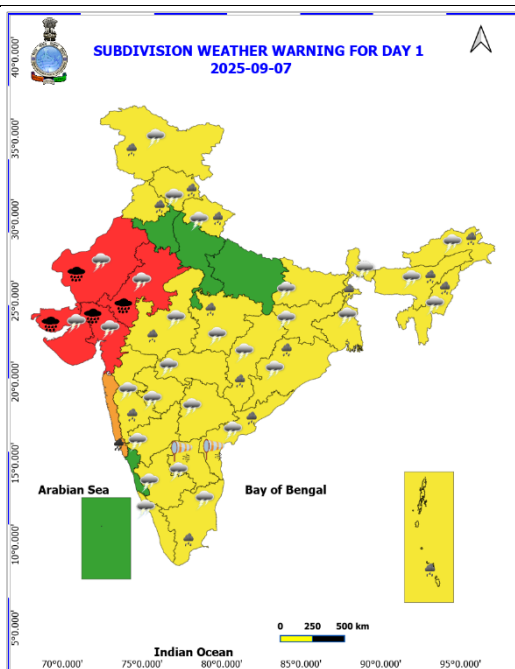
INSAT-3DS IMG, Thermal Infrared1 Count @ 10.83 μm
GMT:07-09-2025/(0830-0857) IST:07-09-2025/(1400-1427)
L1C MERCATOR (LINEAR STRETCH: 1%)

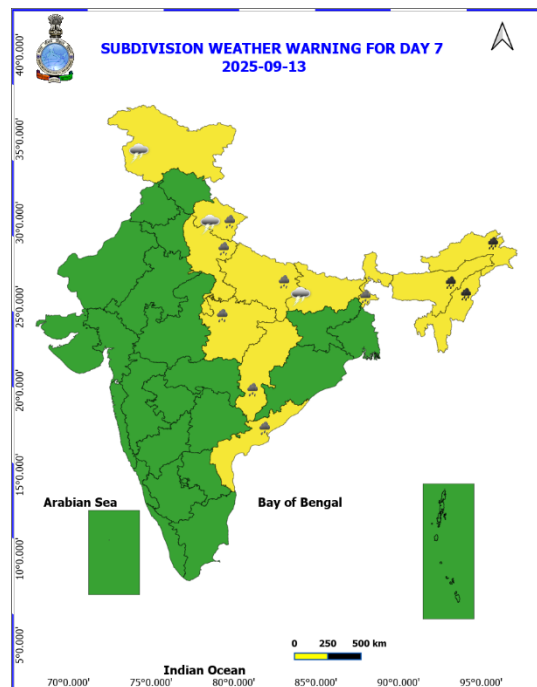
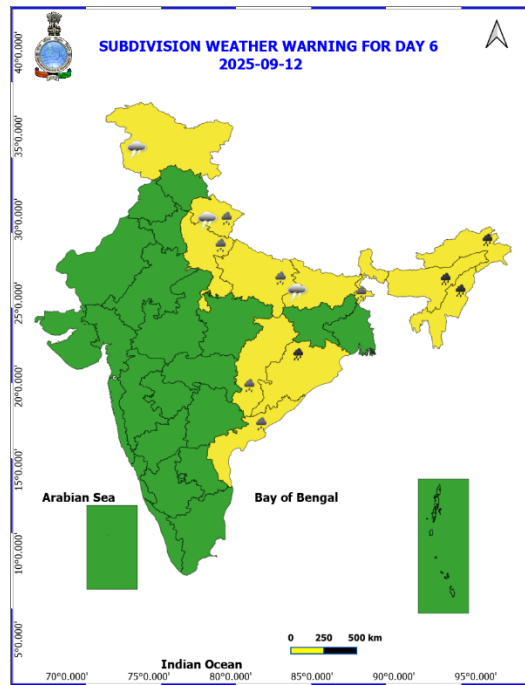
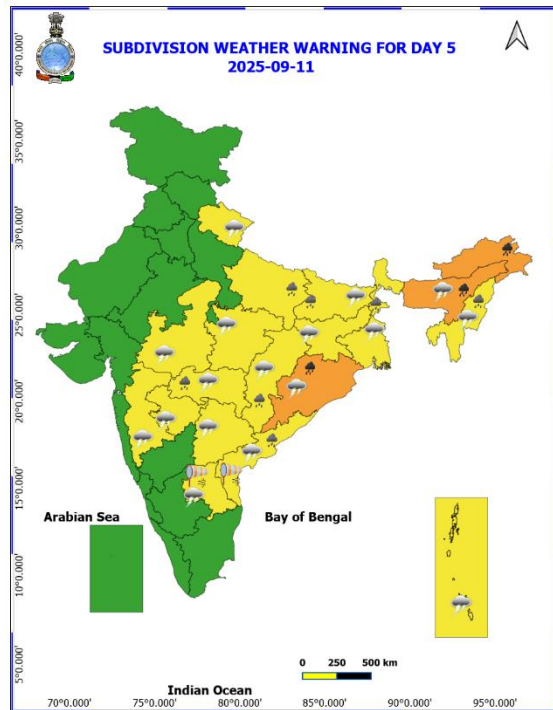
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Warning Graphics





- 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

Persistent Flash Flood Threat (PFFT) till 1130 IST of 07-09-2025 :

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

Gujarat Region – Banaskantha and Patan 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: GFS FFFT | Timescale: 06-hr | Region: "REGIONAL"
Product Date: 2025-09-07 00:00 UTC | Valid Date: 2025-09-07 06:00 UTC

24 hours Outlook for the Flash Flood Risk (FFR) till 0530 IST of 08-09-2025 :

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

Gujarat Region – Banaskantha, Patan and Mahesana districts.

Saurashtra and Kutch – Kachchh district.

West Rajasthan – Barmer and Jalore districts.

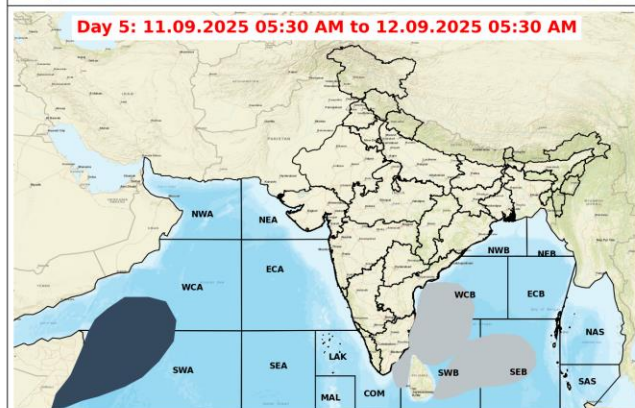
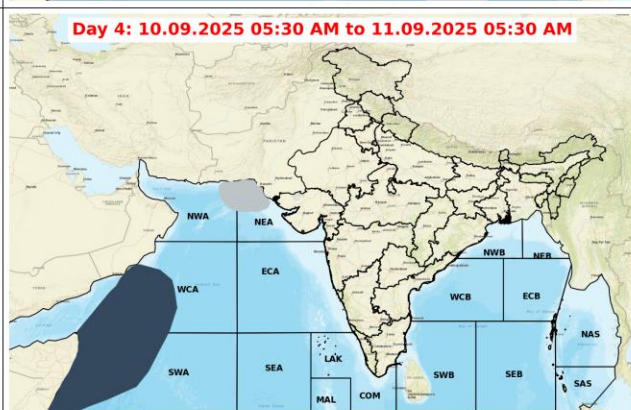
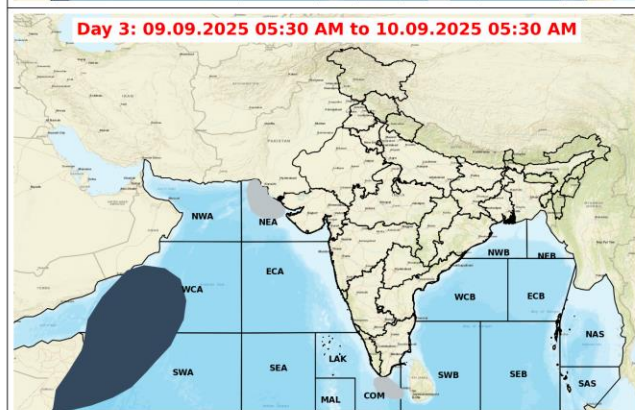
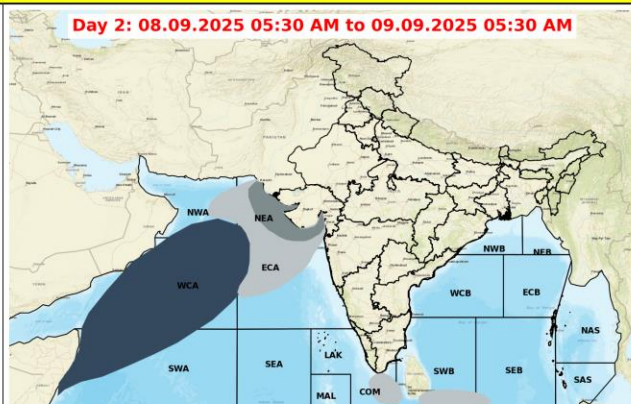
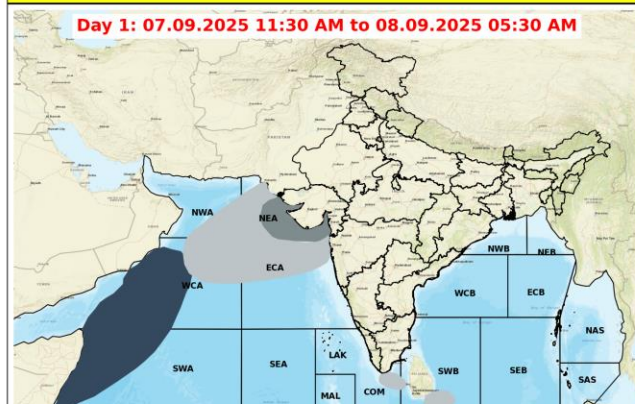
Adjoining East Rajasthan – Sirohi district.

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: GFS FFR | Timescale: 24-hr | Region: "REGIONAL"
Product Date: 2025-09-07 00:00 UTC | Valid Date: 2025-09-08 00:00 UTC

Flash Flood Threat	Flash Flood Risk
<div></div> High Threat (Take Action)	<div></div> High Risk (Take Action)
<div></div> Moderate threat (Be Prepared)	<div></div> Moderate Risk (Be Prepared)
<div></div> Low Threat (Be Updated)	<div></div> Low Risk (Be Updated)

Fishermen Warning Graphics



Legend

- | | |
|---|---|
| Squally Weather with wind speed 35-45 kmph gusting to 55 kmph | Squally wind with speed 55-65 kmph gusting to 75 kmph |
| Squally Weather with wind speed 40-50 kmph gusting to 60 kmph | CS with Gale winds with speed 60-80 kmph gusting to 90 kmph |
| Squally Weather with wind speed 45-55 kmph gusting to 65 kmph | SCS with Gale wind speed 90-110 kmph gusting to 120 kmph |
| Squally wind with speed 45-55 kmph gusting to 65 kmph | VSCS with Gale wind speed 120-165 kmph gusting to 185 kmph |
| Squally wind with speed 50-60 kmph gusting to 70 kmph | ESCS with Gale wind speed 165-220 kmph gusting to 245 kmph |

Fishermen are advised not to venture into the marked areas.