



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 09th July 2026

Time of Issue: 1350 hours IST

- Subject: (i) The Southwest Monsoon has further advanced into remaining parts of Rajasthan, Haryana & Punjab, thus covering the entire country on today, 09th July, 2026.**
- (ii) Under the influence of Well-marked low-Pressure area over Southwest Uttar Pradesh and neighbourhood, isolated extremely heavy rainfall likely over West Uttar Pradesh on 9th July & Uttarakhand on 9th-10th July, 2026.**
- (iii) Significant reduction in rainfall activity is likely over central parts of the country including Maharashtra, Gujarat & Madhya Pradesh from today, the 09th July onwards and over south peninsular India from 10th July onwards.**

Advance of Southwest Monsoon 2026 (Annexure I):

- ❖ The **Southwest Monsoon** has further advanced into remaining parts of north Arabian Sea, Rajasthan, Haryana & Punjab, today the 09th July, 2026. Thus, it has covered the entire country on 09th July, 2026, against the normal date of 08th July (1 day after the normal date of covering the entire India).

Realised weather during past 24 hours ending at 0830 hours IST of today, the 09th July, 2026:

- ❖ **Extremely heavy rainfall (≥ 21 cm)** has been recorded over Uttarakhand, West Uttar Pradesh, Madhya Maharashtra, Meghalaya.
- ❖ **Very Heavy rainfall (12-20 cm)** has been recorded over Sub-Himalayan West Bengal, Tamil Nadu, Konkan, Tripura
- ❖ **Heavy rainfall (7-11 cm)** has been recorded over East Uttar Pradesh, Rajasthan, Bihar, Madhya Pradesh, Vidarbha, Arunachal Pradesh
- ❖ **Thunderstorm accompanied with Squally/Gusty winds with speed reaching 60-80 kmph** Kerala, Marathawada, East Uttar Pradesh, Uttarakhand **with speed reaching 40-60 kmph** at isolated places over Andaman & Nicobar Islands, Odisha, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Haryana, West Uttar Pradesh, Rajasthan, Madhya Pradesh, Vidarbha, Konkan, Madhya Maharashtra, Kutch, Tamil Nadu, Puducherry & Karaikal, Telangana, Karnataka

Weather Systems, Forecast and Warnings (Annexure II & III):

- ❖ The **Well-Marked Low Pressure** area over Northwest Madhya Pradesh & adjoining Southwest Uttar Pradesh now lay over southwest Uttar Pradesh & neighbourhood at 0830 hrs IST of today, the 9th July 2026.
- ❖ The **Monsoon trough** at mean sea level runs near its normal position.
- ❖ The **off-shore trough** at mean sea level runs from south Gujarat to north Kerala.
- ❖ The **Western Disturbance** seen as cyclonic circulation over North Pakistan & neighbourhood in middle tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over east Bangladesh & neighbourhood in lower & middle tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over northeast Assam in lower tropospheric level.

Under the influence of above systems, the following weather is likely:

Northwest India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 9th-12th July; Himachal Pradesh and Uttarakhand during 9th-15th July.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Haryana Chandigarh & Delhi during 9th-10th July; West Uttar Pradesh during 9th-11th July; East Uttar Pradesh during 9th-13th July.
- ❖ **Isolated to Scattered** rainfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 13th-15th July.
- ❖ **Isolated to Scattered** rainfall likely over East Rajasthan, Punjab and West Rajasthan during 9th-15th July; Haryana Chandigarh & Delhi during 11th-15th July; West Uttar Pradesh during 12th-15th July; East Uttar Pradesh during 14th-15th July.

- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 9th-15th July.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over West Rajasthan on 9th July.
- ❖ Isolated **thunderstorm & lightning** likely over Uttarakhand during 9th-15th July; East Uttar Pradesh and West Uttar Pradesh on 9th July; East Rajasthan during 9th-10th July.
- ❖ Isolated **heavy rainfall** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 11th-12th July; and Uttarakhand during 9th-15th July; Punjab on 9th July and during 11th-12th July; Haryana Chandigarh & Delhi during 10th-13th July; West Uttar Pradesh on 9th July and on 11th July; East Uttar Pradesh during 12th-13th July; East Rajasthan on 9th July with isolated **very heavy rainfall** also likely over Himachal Pradesh, Haryana Chandigarh & Delhi on 9th July; West Uttar Pradesh on 10th July; East Uttar Pradesh during 9th-11th July.
- ❖ **Heavy to very heavy rainfall with extremely heavy rainfall likely at isolated places over Uttarakhand on 09th & 10th; over West Uttar Pradesh on 09th July.**
- ❖ **Moderate to intense lightning activity over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 11th; East Uttar Pradesh on 12th July.**

Central India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over West Madhya Pradesh on 9th July; East Madhya Pradesh during 9th-10th July and on 15th July; Vidarbha on 9th July and during 14th-15th July; Chhattisgarh on 9th July and during 13th-15th July.
- ❖ **Isolated to Scattered** rainfall likely over West Madhya Pradesh during 10th-15th July; East Madhya Pradesh during 11th-14th July; Vidarbha during 10th-13th July; Chhattisgarh during 10th-12th July.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over East Madhya Pradesh and West Madhya Pradesh during 9th-13th July, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Vidarbha during 10th-13th July.
- ❖ Isolated **thunderstorm & lightning** likely over Chhattisgarh during 9th-13th July.
- ❖ Isolated **heavy rainfall** likely over Chhattisgarh and West Madhya Pradesh on 9th July; East Madhya Pradesh during 9th-10th July.

East India:

- ❖ **Isolated to Scattered** rainfall likely over Andaman & Nicobar Islands during 9th-11th July and on 15th July; Jharkhand during 9th-11th July; Bihar on 9th July and during 12th-15th July; Odisha during 9th-15th July.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Andaman & Nicobar Islands during 12th-14th July; Gangetic West Bengal and Sub-Himalayan West Bengal & Sikkim during 9th-15th July; Jharkhand during 12th-15th July; Bihar during 10th-11th July.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Andaman & Nicobar Islands during 10th-15th July; Gangetic West Bengal during 9th-10th July; Jharkhand during 9th-13th July, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Andaman & Nicobar Islands on 9th July; Bihar, Odisha and Sub-Himalayan West Bengal & Sikkim during 9th-15th July; Gangetic West Bengal during 11th-15th July.
- ❖ Isolated **heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim during 11th-15th July; Gangetic West Bengal during 9th-13th July; Jharkhand on 13th July; Bihar during 10th-12th July; Odisha during 13th-14th July with isolated **very heavy rainfall** also likely over Sub-Himalayan West Bengal & Sikkim during 9th-10th July; Bihar on 9th July.

Northeast India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Arunachal Pradesh during 9th-10th July and during 13th-15th July; Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 9th-15th July.
- ❖ **Isolated to Scattered** rainfall likely over Arunachal Pradesh during 11th-12th July.
- ❖ Isolated **thunderstorm & lightning** likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 9th-13th July.
- ❖ Isolated **heavy rainfall** likely over Arunachal Pradesh and Assam & Meghalaya during 11th-15th July; Nagaland, Manipur, Mizoram & Tripura during 9th-11th July with isolated **very heavy rainfall** also likely over Arunachal Pradesh and Assam & Meghalaya during 9th-10th July.

West India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Konkan & Goa during 9th-15th July.
- ❖ **Isolated to Scattered** rainfall likely over Gujarat Region, Madhya Maharashtra, Marathwada and Saurashtra & Kutch during 9th-15th July.
- ❖ Isolated **heavy rainfall** likely over Konkan & Goa on 9th July; Madhya Maharashtra on 10th July with isolated **very heavy rainfall** also likely over Madhya Maharashtra on 9th July.

South Peninsular India:

- ❖ **Isolated to Scattered** rainfall likely over Coastal Andhra Pradesh & Yanam, North Interior Karnataka, South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal during 9th-15th July; Kerala & Mahe during 11th-15th July; Lakshadweep and Telangana during 10th-15th July; Rayalaseema during 9th-11th July and during 14th-15th July.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Kerala & Mahe during 9th-10th July; Lakshadweep and Telangana on 9th July; Coastal Karnataka during 9th-15th July.
- ❖ **Isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Coastal Karnataka, North Interior Karnataka, South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal during 9th-10th July; Coastal Andhra Pradesh & Yanam during 9th-15th July; Rayalaseema during 9th-11th July and during 14th-15th July; Telangana during 10th-15th July, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Coastal Karnataka, North Interior Karnataka, South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal during 11th-15th July.
- ❖ **Isolated heavy rainfall** likely over Coastal Karnataka and Tamil Nadu, Puducherry & Karaikal during 9th-10th July; Kerala & Mahe and South Interior Karnataka on 10th July; North Interior Karnataka on 9th July with isolated **very heavy rainfall** also likely over Kerala & Mahe and South Interior Karnataka on 9th July.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Telangana on 9th July.
- ❖ **Strong Surface Winds** likely over Lakshadweep during 9th-10th July; Coastal Karnataka, North Interior Karnataka, Rayalaseema, South Interior Karnataka and Telangana during 9th-15th July; Coastal Andhra Pradesh & Yanam during 12th-15th July.

Fishermen Warning:

Arabian Sea:

- ❖ Along and off Somalia, Oman, over some parts of central and adjoining some parts of north Arabian Sea during 09th to 14th July; along and off Gujarat during 11th to 13th July, Karnataka, Kerala coasts, over Lakshadweep area coasts and adjoining sea area during 09th to 11th July.

Bay of Bengal:

- ❖ Over Andaman Sea, south Myanmar coasts adjoining eastcentral & northeast Bay of Bengal during 10th to 14th July and over some parts of central and south Bay of Bengal during 12th to 14th July; along and off West Bengal coasts during 09th to 11th July; Odisha coasts, north Andhra Pradesh off south Andhra Pradesh coasts on 09th July and north Andhra Pradesh on 10th July.

Weather conditions and forecast over Delhi/NCR during next 4 days (Annexure IV)

For more details, kindly refer National Weather Bulletin:

https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php

For District wise warnings refer: <https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

For Fishermen warning refer <https://rsmcnewdelhi.imd.gov.in/fishermenwarning.php>

Significant rainfall recorded (in cm) (from 0830 hours IST of yesterday to 0830 hours IST of today):

- ❖ **West Uttar Pradesh:** Najibabad (T) (Bijnor) 31;
- ❖ **Assam & Meghalaya:** Mawkyrwat 25
- ❖ **Madhya Maharashtra:** Tamini (Nashik) 25;
- ❖ **Uttarakhand:** Kashipur 21;
- ❖ **Tamil Nadu:** Chinnakalar, Coimbatore district 18;
- ❖ **Tripura:** Kumarghat(Unakoti) 15
- ❖ **Sub-Himalayan West Bengal:** Kalimpong 14;
- ❖ **Konkan:** Sudhagad Pali (Raigad) 14;
- ❖ **Kerala & Mahe:** Ayyankunnu (dist Cannur) 14, Pothundy Dam (dist Palakkad) 13,
- ❖ Nilambur (dist Malappuram) 12,
- ❖ **Bihar:** Katihar 11;
- ❖ **East Uttar Pradesh:** Nichlaul (Maharajganj) 10;
- ❖ **West Madhya Pradesh:** Jhirnya (Khargone) 10;
- ❖ **East Rajasthan:** Chittorgarh 9;
- ❖ **South Interior Karnataka:** South Interior Karnataka: Agumbe Aws (Dist Shivamogga) 9, Bhagamandala (Dist Kodagu) 8;
- ❖ **Vidarbha:** Jalgaonjamod Buldhana 7;
- ❖ **East Madhya Pradesh:** Palera (Tikamgarh) 7;
- ❖ **Arunachal Pradesh:** Deomali 8

Gusty winds (in ≥ 40 kmph) (from 0830 hours IST of yesterday to 0830 hours IST of today):

- ❖ **Kerala:** Tiruvananthapuram 81
- ❖ **Telangana:** Siddipet 51
- ❖ **Coastal Karnataka:** Uttarakannada 51
- ❖ **North Interior Karnataka:** Raichur 51
- ❖ **South Interior Karnataka:** Guntur 46
- ❖ **Uttarakhand:** Mukteshwar - 68; Champawat - 46;
- ❖ **East Uttar Pradesh:** Sitapur(AWS) - 65; Lucknow(Ap) - 56; Fursatganj(AWS) - 46;
- ❖ **Marathwada:** Pokharni Phata (Nanded) - 65; Vaijnath (Beed) - 61
- ❖ **Jammu-Kashmir & Ladakh:** Chatha - 57
- ❖ **Odisha:** Puri - 54
- ❖ **West Rajasthan:** Nagaur - 54
- ❖ **Madhya Maharashtra:** Mahabaleshwar (Satara) - 54; Kalwan (Nashik) - 50
- ❖ **Tamil Nadu, Puducherry & Karaikal:** Vedasandur 54
- ❖ **Kutch:** Khawda 52
- ❖ **West Madhya Pradesh:** - Stations Mandsaur - 50; Bhopal - 41; Agar - 41;
- ❖ **West Uttar Pradesh:** Shahjahanpur(AWS) - 48; Moradabad(AWS) - 41;
- ❖ **East Rajasthan:** Ajmer - 46
- ❖ **East Madhya Pradesh:** Rewa - 46;
- ❖ **Haryana, Chandigarh:** Jind - 44; Fatehabad - 41; Hisar - 41;
- ❖ **Konkan & Goa:** Devgad (Sindhudurg) - 44; Santacruz (Mumbai) - 44
- ❖ **Vidarbha:** Akola - 43;
- ❖ **Andaman & Nicobar Islands:** Sri Vijayapuram - 42

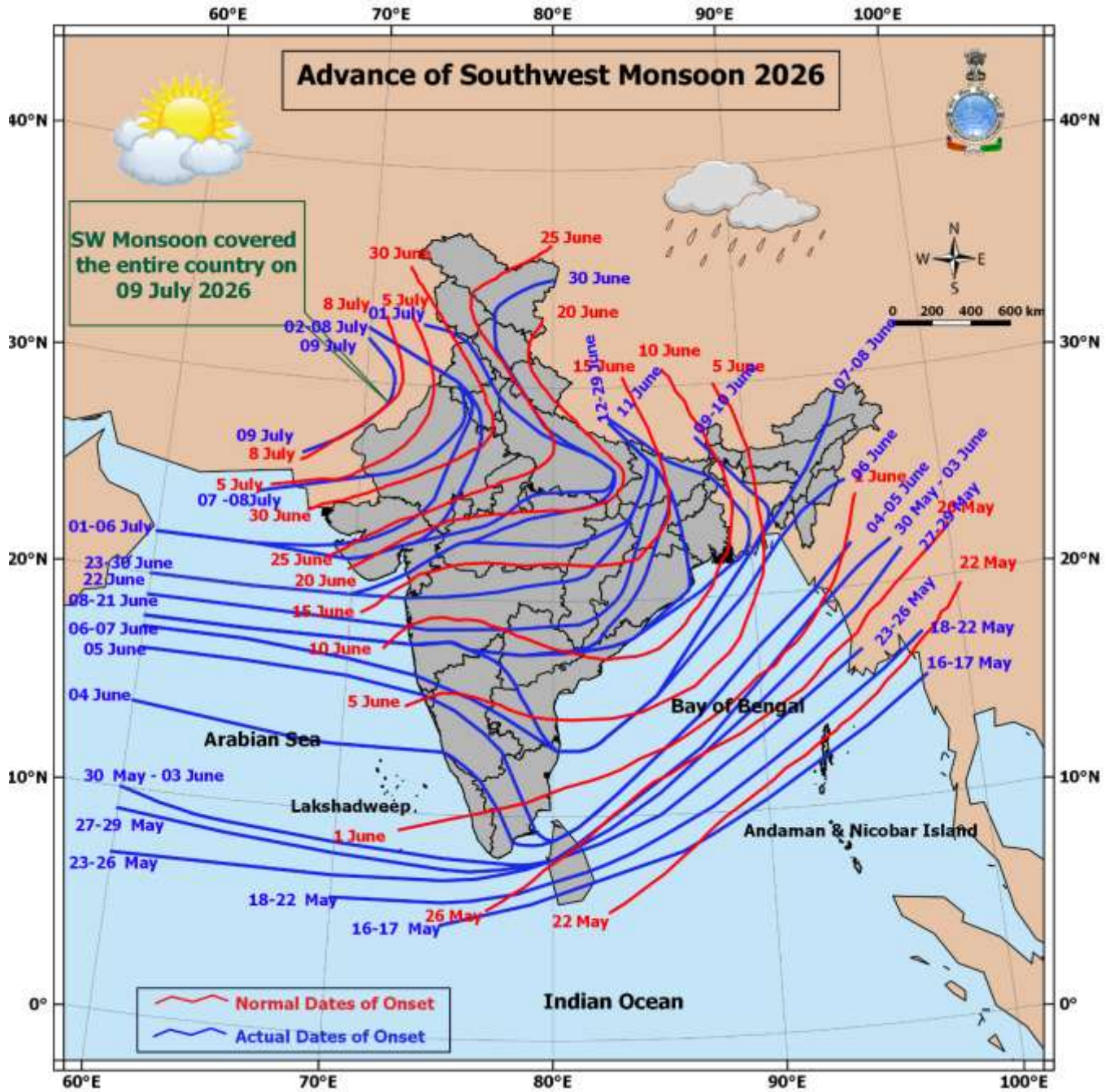
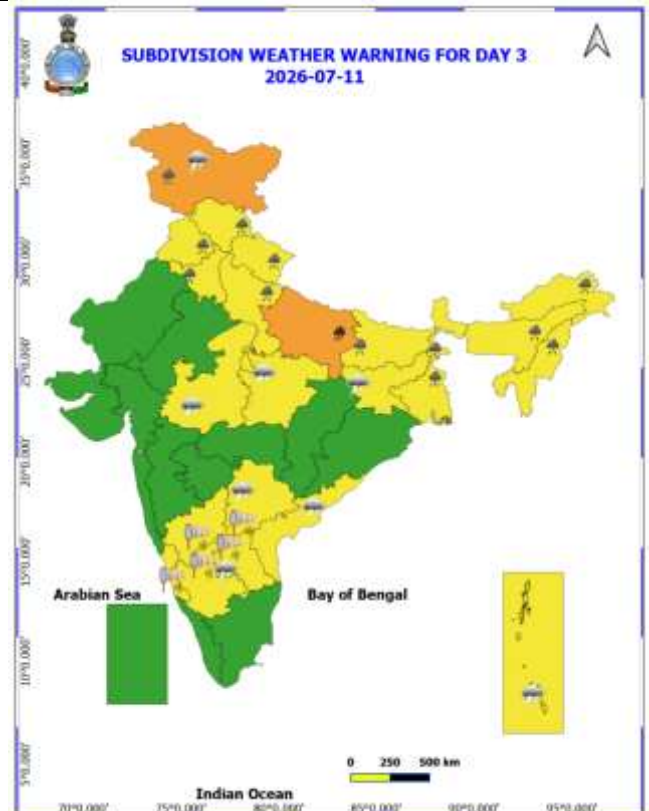
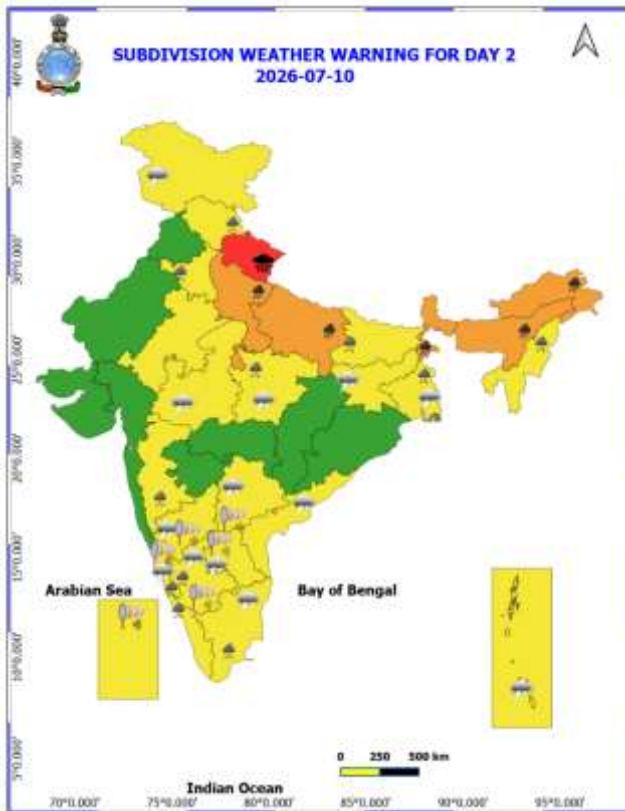
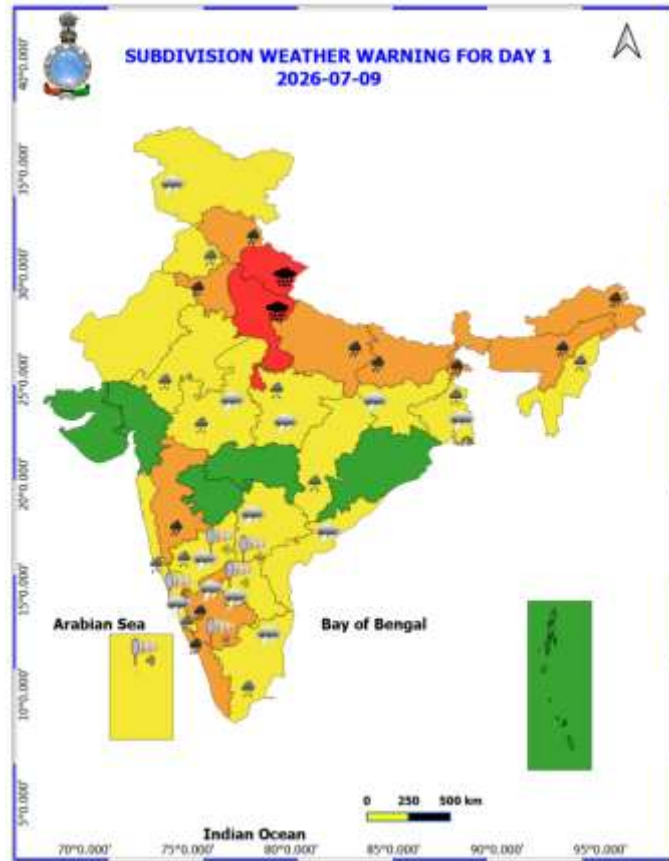
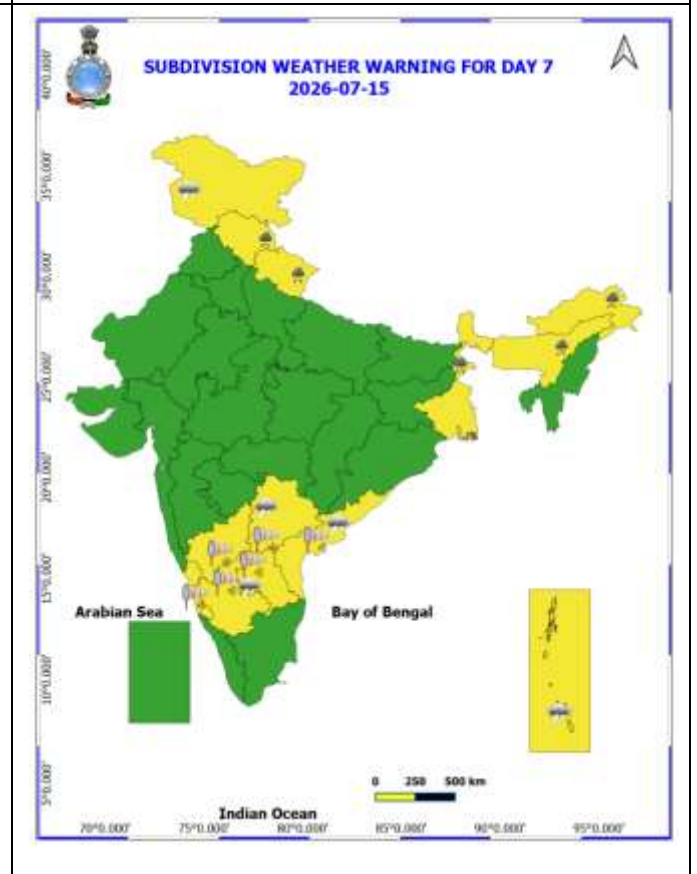
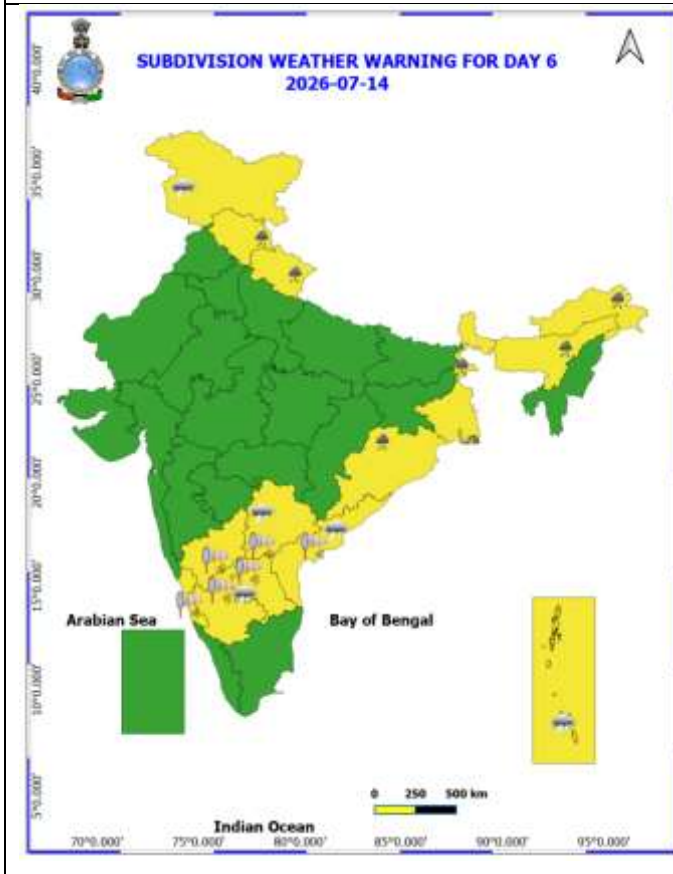
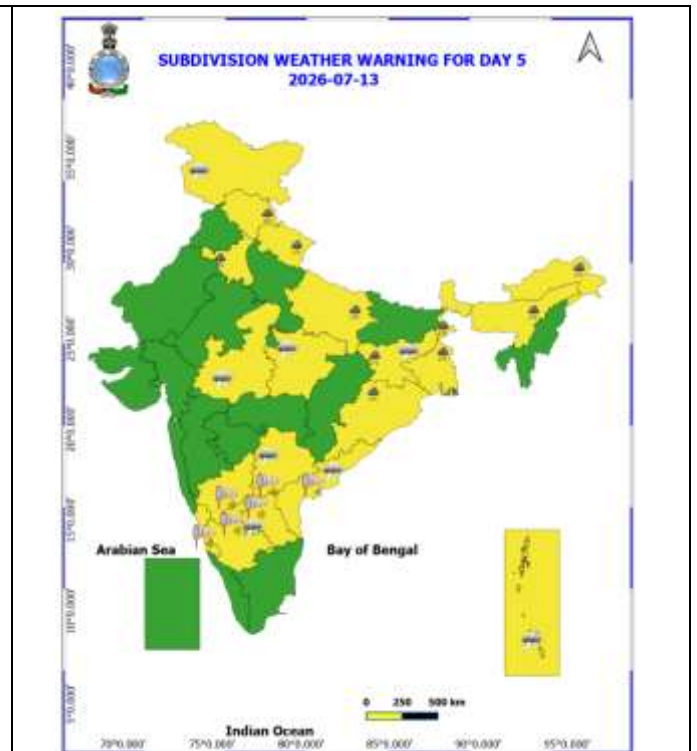
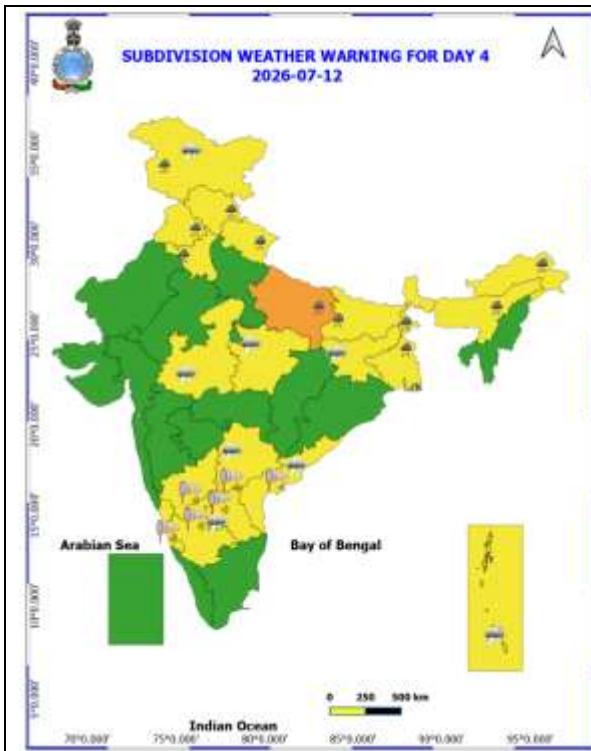


Table-1								
7 Days Rainfall Forecast								
S.No.	Subdivision	9- Jul	10- Jul	11- Jul	12- Jul	13- Jul	14- Jul	15- Jul
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	ISOL	SCT	SCT	FWS	FWS	FWS	SCT
2	ARUNACHAL PRADESH	WS	FWS	SCT	SCT	FWS	FWS	FWS
3	ASSAM & MEHGHALAYA	WS	WS	FWS	FWS	FWS	FWS	FWS
4	NAGALAND, MANIPUR, MIZORAM AND TRIPURA	WS	WS	FWS	FWS	FWS	FWS	FWS
5	SUB HIMALAYAN WEST BENGAL & SIKKIM	WS	WS	WS	WS	WS	WS	WS
6	GANGETIC WEST BENGAL	WS	WS	WS	WS	FWS	FWS	FWS
7	ODISHA	SCT	ISOL	ISOL	SCT	SCT	SCT	SCT
8	JHARKHAND	SCT	SCT	SCT	FWS	WS	WS	FWS
9	BIHAR	SCT	FWS	FWS	SCT	SCT	SCT	SCT
10	EAST UTTAR PRADESH	FWS	WS	WS	WS	FWS	SCT	SCT
11	WEST UTTAR PRADESH	WS	WS	FWS	SCT	ISOL	ISOL	ISOL
12	UTTARAKHAND	WS	WS	WS	FWS	FWS	FWS	FWS
13	HARYANA, CHANDIGARH & DELHI	WS	FWS	SCT	SCT	ISOL	ISOL	ISOL
14	PUNJAB	SCT	SCT	SCT	SCT	ISOL	ISOL	ISOL
15	HIMACHAL PRADESH	FWS	FWS	WS	WS	FWS	FWS	FWS
16	JAMMU AND KASHMIR AND LADAKH	FWS	FWS	WS	WS	SCT	SCT	SCT
17	WEST RAJASTHAN	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
18	EAST RAJASTHAN	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
19	WEST MADHYA PRADESH	FWS	SCT	SCT	ISOL	ISOL	ISOL	SCT
20	EAST MADHYA PRADESH	WS	FWS	SCT	SCT	SCT	SCT	FWS
21	GUJRAT REGION	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
22	SAURASHTRA & KUTCH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
23	KONKAN & GOA	WS	WS	FWS	FWS	FWS	WS	WS
24	MADHYA MAHARASHTRA	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
25	MARATHWADA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
26	VIDARBHA	FWS	SCT	SCT	SCT	SCT	FWS	FWS
27	CHHATTISGARH	FWS	SCT	SCT	SCT	FWS	FWS	FWS
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	FWS	SCT	ISOL	ISOL	ISOL	SCT	SCT
30	RAYALASEEMA	ISOL	ISOL	ISOL	DRY	DRY	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
32	COSTAL KARNATAKA	WS	WS	WS	WS	WS	WS	WS
33	NORTH INTERIOR KARNATAKA	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
34	SOUTH INTERIOR KARNATAKA	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
35	KERALA AND MAHE	WS	FWS	SCT	SCT	SCT	SCT	SCT
36	LAKSHADWEEP	FWS	SCT	SCT	SCT	SCT	SCT	SCT

- As the lead period increases forecast accuracy decrease.





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

Detailed district-wise Multi-Hazard weather warning for next five days available at <https://mausam.imd.gov.in/responsive/districtBlueWarningGIS.php>

Weather forecast over Delhi/NCR during 09th to 12th July 2026**Past Weather:**

There has been fall in maximum temperatures by 6-8°C and fall in minimum temperatures by 1°C over Delhi during past 24 hours. The maximum temperatures were found 28-31°C and the minimum temperatures are in the range 21-25°C respectively during past 24 hours over Delhi. The minimum temperatures are markedly below normal (-5.1°C or less) at a few places, appreciably below normal (-3.1°C to -5.0°C) at a few places, and below normal (-1.6°C to -3.0°C) over remaining parts of Delhi. The maximum temperatures were markedly below normal (-5.1°C or less) at most places over Delhi. Generally cloudy sky with surface wind speed 20 kmph gusting to 30 kmph from the northeast direction prevailed over Delhi during past 24 hours. Moderate rain at a few places with heavy rain at many places occurred over Delhi during past 24 hours. Overcast sky with surface wind speeds up to 20 kmph likely to prevailed from the north-northwest direction over the region in the forenoon today.

Weather Forecast:

09.07.2026: Overcast sky. One or two spells of light to moderate rain at many places with heavy rainfall at isolated places with occasionally thunderstorm activity. The maximum temperatures over Delhi are likely to be in the range of 27-29°C. The maximum temperatures will be markedly below normal (less than -5.0°C) at most places over Delhi. The predominant surface wind is likely to be from the northeast direction with surface wind speed reaching up to 25 kmph during the afternoon hours. The wind speed will decrease becoming up to 15 kmph from the northeast direction during evening and night.

10.07.2026: Generally cloudy sky. A spell of very light to light rain at many places with moderate rain at isolated places accompanied with thunderstorm/lightning towards morning/forenoon. The maximum and minimum temperatures over Delhi are likely to be in the range of 33°C to 35°C and 22°C to 24°C, respectively. The minimum temperature will be appreciably below normal (-3.1°C to -5.0°C) at most places, and the maximum temperatures will be below normal (-1.6°C to -3.0°C) at most places over Delhi. The predominant surface wind is likely to be from east direction with surface wind speed reaching up to 10 kmph during the morning hours. The wind speed will increase becoming up to 15 kmph from the east direction during the afternoon. The wind speed will decrease becoming up to 12 kmph from the southwest direction during evening and night.

11.07.2026: Generally cloudy sky. Possibility of very light to light rain accompanied with thunderstorm/lightning towards forenoon/afternoon. The maximum and minimum temperatures over Delhi are likely to be in the range of 35°C to 37°C and 24°C to 26°C, respectively. The minimum temperature will be below normal (-1.6°C to -3.0°C) at most places, and the maximum temperatures will be near normal (-1.5°C to 1.5°C) at most places over Delhi. The predominant surface wind is likely to be from southwest direction with surface wind speed reaching up to 15 kmph during the morning hours. The wind speed will increase becoming up to 18 kmph from the southwest direction during the afternoon. The wind speed will increase becoming up to 20 kmph from the southwest direction during evening and night.

12.07.2026: Generally cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 36°C to 38°C and 25°C to 27°C, respectively. The minimum temperature will be near normal (-1.5°C to 1.5°C) at many places with below normal (-1.6°C to -3.0°C) at isolated places, and maximum temperatures will be near normal (-1.5°C to 1.5°C) at many places with above normal (1.6°C to 3.0°C) at isolated places over Delhi. The predominant surface wind is likely to be from the southwest direction with wind reaching up to 15 kmph during the morning hours. The surface wind speed will increase becoming up to 18 kmph from the southwest direction during the afternoon. The wind speed will decrease becoming up to 15 kmph from the southwest direction during evening and night.

Impact Expected & Action Suggested due to heavy/very heavy/ Extremely rainfall over

- ❖ **Heavy to very heavy rainfall with extremely heavy rainfall likely at isolated places over Uttarakhand on 09th & 10th; over West Uttar Pradesh on 09th July.**

Impact Expected

- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas.
- 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 kutchha roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides/landslips/mudslips/landsinks/mudsinks.
- 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

- 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 likely impact of Heavy Rainfall

- In **Himachal Pradesh**, maintain proper drainage channels in fields of maize, finger millet and vegetables to prevent waterlogging. Delay sowing of rajma until the weather becomes clear.
- In **Uttarakhand**, avoid sowing of maize, rajma, black gram and soybean during spells of heavy rains. Drain out excess rain water from fields of rice, maize, tomato, chilli, barnyard millet and finger millet.
- In **Haryana**, drain out the standing water from cotton fields immediate after excess rain.
- In **West Uttar Pradesh**, avoid sowing of green gram, black gram, sorghum, groundnut and sesame during spells of heavy rains. Make proper arrangements for drainage of excess rain water from rice nursery and fields of maize and vegetables.
- In **East Uttar Pradesh**, ensure proper drainage in rice nursery and fields of pigeon pea, maize, sesame and vegetables.
- In **East Rajasthan**, make arrangements for draining out excess water from rice nurseries and fields of groundnut, green gram and cotton.
- In **Arunachal Pradesh**, maintain drainage channels in fields of rice, maize, soybean, finger millet and vegetables.
- In **Assam**, make provision for draining out excess water from rice nurseries, soybean, jute, ginger, turmeric, vegetables, banana, citrus and papaya. Provide mechanical support to the sugarcane crop to prevent lodging.
- In **Meghalaya**, ensure proper drainage channels in rice nurseries, maize, ginger, cowpea, vegetable fields and banana plantations. Protect young seedlings from direct exposure to heavy rainfall. Use propping (bamboo or wooden poles) to support heavily laden plants.
- In **Nagaland**, maintain proper drainage in fields of maize and vegetables and fruit orchards.
- In **Manipur**, ensure proper drainage in soybean, black gram, chilli, ginger, turmeric, banana and other crop fields and newly transplanted seedlings and nursery crops to avoid water stagnation.
- In **Tripura**, ensure adequate drainage arrangements to remove excess water from rice and vegetable fields during heavy rainfall.
- In **Konkan**, drain out excess water from nurseries of rice and finger millet and fields of rice and vegetables.
- In *ghat* areas of **Madhya Maharashtra**, drain out excess water from nurseries of rice, finger millet and vegetables.
- In **Sub Himalayan West Bengal**, protect rice nursery beds with straw mulch, dry grass, or temporary polythene / agro-net covers to prevent seed washing, poor germination and seedling loss. Drain out excess water from jute, ginger, chilli, tomato and dalley khorsani fields and nurseries of *kharif* rice, finger millet and vegetables.
- In **Gangetic West Bengal**, harvest mature sesame pods promptly and keep the harvested produce in safer place. Arrange proper drainage in vegetables, ginger and turmeric fields and betel vine gardens to avoid waterlogging.

- In **Bihar**, harvest the mature pods of summer green gram and keep harvested produce in safer places. Provide adequate drainage facilities in rice nurseries and maize fields.
- In **Keralam**, provide adequate drainage facilities in banana, coconut, cardamom, ginger, black pepper and vegetables. Provide staking support in banana plants and strengthen the pandals of vegetable crops. Avoid transplanting of rice during heavy rain.
- In **Coastal Karnataka**, ensure proper drainage in rice seedbeds, rice fields and fruit orchards to prevent water stagnation.
- In **South Interior Karnataka**, provide proper drainage in rice nursery; fields of maize and ginger and plantations of arecanut and coconut.

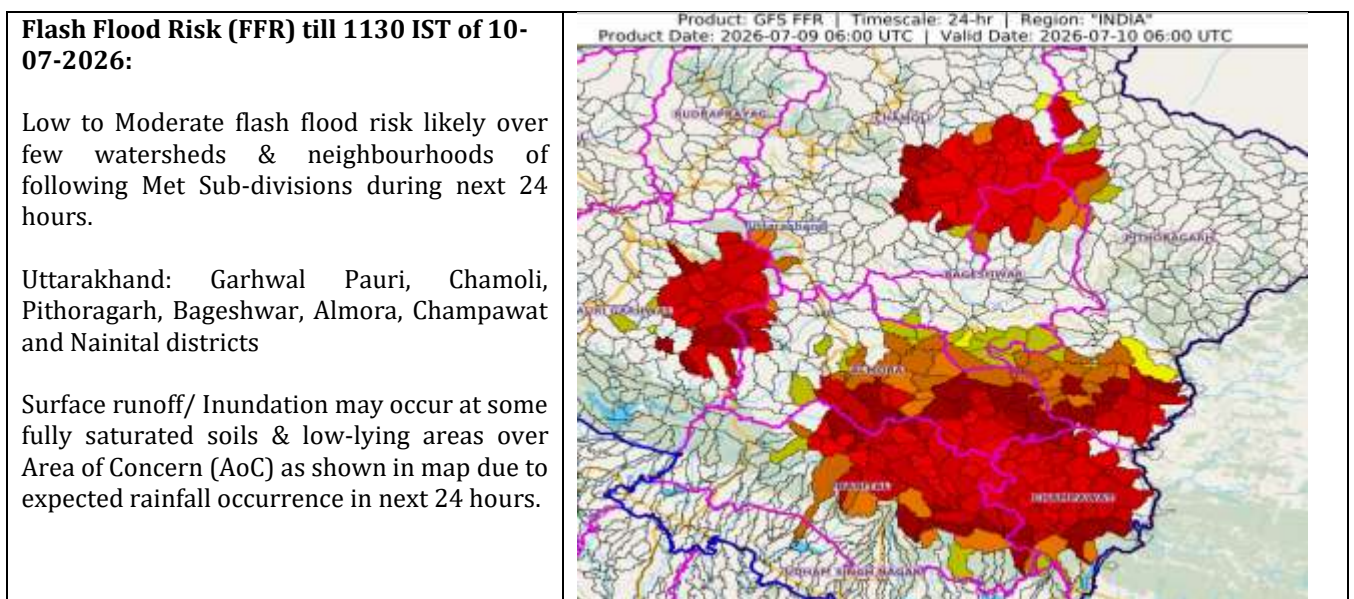
Agromet advisories for likely impact of Thunderstorm / Gusty Winds

- Shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields. Tie the harvested crops securely and cover them to minimize the risk of displacement from strong surface winds.
- Provide mechanical support to horticultural crops and staking or support to vegetables and young fruit plants / fruit-bearing plants to avoid lodging due to strong winds.

Livestock / Poultry / Fisheries

- Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- Store the feed and fodder in a safe place to prevent spoilage.
- In regions with high temperatures and heat wave conditions, provide clean, cool drinking water to animals, and cover the roofs of poultry sheds with grass to reduce the adverse effects of heat.
- Construct an outlet with proper netting around the ponds to drain excess water, thereby preventing fish from escaping in the event of overflow.

Flash Flood Guidance

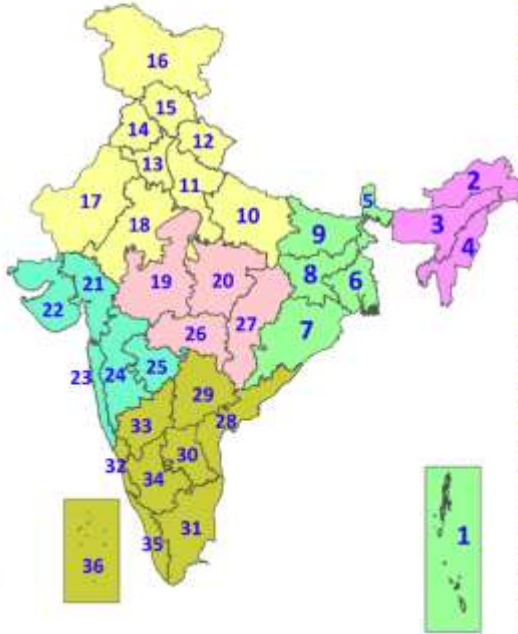


Legends & abbreviations:

- ❖ **Heavy Rain:**64.5115.5mm; **Very Heavy Rain:**115.6204.4mm; **Extremely Heavy Rain:** >204.4mm.
- ❖ **Obsy:** Observatory; Automatic Weather Station; **ARG:** Automatic Rain Gauge; **dist:** District; **NH:** National Highway; **KVK:** Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation; **PTO:** Part Time Office, **Aero:** Aerodrome, **IAF:** Indian Air Force.
- ❖ **Region wise classification of meteorological Sub-Divisions:**
 - **Northwest India:** Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand); Punjab, Haryana Chandigarh & Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
 - **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
 - **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
 - **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
 - **West India:** Gujarat Region, Saurashtra & Kutch, Coastal Maharashtra (Konkan) & Goa, Madhya Maharashtra and Marathawada.
 - **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

LEGENDS

1. अंडमान और निकोबार द्वीपसमूह
2. अरुणाचल प्रदेश
3. असम और मेघालय
4. नागालैंड, मणिपुर, मिजोरम और त्रिपुरा
5. उप-हिमालयी पश्चिम बंगाल और सिक्किम
6. गंगीय पश्चिम बंगाल
7. ओडिशा
8. झारखंड
9. बिहार
10. पूर्वी उत्तर प्रदेश
11. पश्चिम उत्तर प्रदेश
12. उत्तराखंड
13. हरियाणा, चंडीगढ़ और दिल्ली
14. पंजाब
15. हिमाचल प्रदेश
16. जम्मू और कश्मीर और लद्दाख
17. पश्चिम राजस्थान
18. पूर्वी राजस्थान
19. पश्चिम मध्य प्रदेश
20. पूर्वी मध्य प्रदेश
21. गुजरात
22. सौराष्ट्र
23. कोंकण और गोवा
24. मध्य महाराष्ट्र
25. मराठवाड़ा
26. विदर्भ
27. छत्तीसगढ़
28. तटीय आंध्र प्रदेश और यनम
29. तेलंगाना
30. रायलसीमा
31. तमिलनाडु, पुडुचेरी और कराईकल
32. तटीय कर्नाटक
33. आंतरिक उत्तरी कर्नाटक
34. आंतरिक दक्षिणी कर्नाटक
35. केरल और माहे
36. लक्षद्वीप



1. Andaman & Nicobar Islands
2. Arunachal Pradesh
3. Assam & Meghalaya
4. Nagaland, Manipur, Mizoram & Tripura
5. Sub-Himalayan West Bengal & Sikkim
6. Gangetic West Bengal
7. Odisha
8. Jharkhand
9. Bihar
10. East Uttar Pradesh
11. West Uttar Pradesh
12. Uttarakhand
13. Haryana, Chandigarh & Delhi
14. Punjab
15. Himachal Pradesh
16. Jammu & Kashmir and Ladakh
17. West Rajasthan
18. East Rajasthan
19. West Madhya Pradesh
20. East Madhya Pradesh
21. Gujarat
22. Saurashtra
23. Konkan & Goa
24. Madhya Maharashtra
25. Marathwada
26. Vidarbha
27. Chhattisgarh
28. Coastal Andhra Pradesh & Yanam
29. Telangana
30. Rayalaseema
31. Tamilnadu, Puducherry & Karaikal
32. Coastal Karnataka
33. North Interior Karnataka
34. South Interior Karnataka
35. Kerala & Mahe
36. Lakshadweep

SPATIAL DISTRIBUTION (% of Stations reporting)

% Stations	Category	% Stations	Category
76-100	Widespread (WS/Most Places)	26-50	Scattered (SCT/A Few Places)
51-75	Fairly Widespread (FWS/Many Places)	1-25	Isolated (ISOL)

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

COLOUR CODED WARNING

- No Warning (No Action)
- Watch (Be Aware)
- Alert (Be Prepared To Take Action)
- Warning (Take Action)

Probabilistic Forecast

Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75

* Red colour warning does not mean "Red Alert". Red colour warning means "Take Action".
Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day.
For more details, kindly visit <https://mausam.imd.gov.in> or contact: 011-2434-4599
(Service to the Nation since 1875)

DEFINITION/CRITERIA

Rain/ Snow *	<p>Heavy: 64.5 to 115.5 mm/cm *</p> <p>Very Heavy: 115.6 to 204.4 mm/cm*</p> <p>Extremely Heavy: > 204.4 mm/cm *</p>
Heat Wave	<p>When maximum temperature of a station reaches $\geq 40^{\circ}\text{C}$ for plains and $\geq 30^{\circ}\text{C}$ for hilly regions</p> <p>(a) Based on Departure from normal</p> <p>Heat Wave: Maximum Temperature Departure from normal 4.5°C to 6.4°C.</p> <p>Severe Heat Wave: Maximum Temperature Departure from normal $\geq 6.5^{\circ}\text{C}$</p> <p>(b). Based on Actual maximum temperature</p> <p>Heat Wave: When actual maximum temperature $\geq 45^{\circ}\text{C}$.</p> <p>Severe Heat Wave: When actual maximum temperature $\geq 47^{\circ}\text{C}$</p> <p>(c). Criteria for heat wave for coastal stations</p> <p>When maximum temperature departure is $>4.5^{\circ}\text{C}$ from normal. Heat Wave may be described provided maximum temperature $\geq 37^{\circ}\text{C}$</p>
Warm Night	<p>When maximum temperature remains 40°C</p> <p>Warm Night: When minimum temperature departure 4.5°C to 6.4°C.</p> <p>Severe Warm Night: When minimum temperature departure $>6.4^{\circ}\text{C}$.</p>
Cold Wave	<p>When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions.</p> <p>(a). Based on departure</p> <p>Cold Wave: Minimum Temperature Departure from normal -4.5°C to -6.4°C.</p> <p>Severe Cold Wave: Minimum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$</p> <p>(b) Based on actual Minimum Temperature (for Plains only)</p> <p>Cold Wave : When Minimum Temperature is $\leq 4.0^{\circ}\text{C}$</p> <p>Severe Cold Wave: When Minimum Temperature is $\leq 2.0^{\circ}\text{C}$</p> <p>(c) For Coastal Stations</p> <p>When Minimum Temperature departure is $\leq -4.5^{\circ}\text{C}$ & actual Minimum Temperature is $\leq 15^{\circ}\text{C}$</p>
Cold Day	<p>When minimum temperature of a station $< 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions</p> <p>Based on departure</p> <p>Cold Day: Maximum Temperature Departure from normal -4.5°C to -6.4°C.</p> <p>Severe Cold Day: Maximum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$</p>
Fog	<p>Phenomenon of small droplets suspended in air and the horizontal visibility $< 1\text{km}$</p> <p>Moderate Fog: When the visibility between 500-200 metres</p> <p>Dense Fog: when the visibility between 50- 200 metres</p> <p>Very Dense Fog: when the visibility < 50 metres</p>
Thunderstorm	<p>Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)</p>
Dust/Sand Storm	<p>An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.</p>
Frost	<p>Ice deposits on ground</p> <p>Air temperature $\leq 4^{\circ}\text{C}$ (over Plains)</p>
Squall	<p>A strong wind that rises suddenly, lasts for atleast 1 minute.</p> <p>Moderate: Wind speed 52-61 kmph</p> <p>Severe: Wind speed 62-67 kmph</p> <p>Very Severe: Wind speed >67 kmph</p>
Sea State	<p>Effect of various waves in the sea over specific area</p> <p>Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre</p> <p>High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre</p> <p>Phenomenal: Wind speed >117 kmph (>63 knots) & Wave height >14 metre</p>
Cyclone	<p>Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots)</p> <p>Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots)</p> <p>Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots)</p> <p>Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)</p> <p>Super Cyclone Storm: Wind speed >220 kmph (>119 knots)</p>

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