

Government of India Ministry of Earth Sciences India Meteorological Department



Press Release Date: 25th June, 2025 Time of Issue: 1500 hours IST

Subject: Heavy to very heavy rainfall activity likely to continue over many parts of Northwest, central, east & northeast India during next 7 days with isolated extremely heavy rainfall over Odisha and Gujarat Region on 25th June, 2025.

Southwest Monsoon:

- Southwest monsoon has further advanced over remaining parts of north Arabian Sea; some more parts of Rajasthan, West Uttar Pradesh, Haryana and Punjab.
- The Northern Limit of Monsoon continues to pass through 26.0°N/60.0°E, 26.0°N/65.0°E, 26.5°N/70.0°E, Nagaur, Sikar, Bharatpur, Rampur, Sonipat, Bhatinda and 31.0°N/70.0°E.
- Conditions are favourable for further advance of Southwest monsoon over some more parts of Rajasthan, Punjab, Haryana; Delhi and remaining parts of West Uttar Pradeshduring next 24 hours.

Realised weather during past 24 hours till 0830 hours IST of today, the 25th June, 2025 (Annexure I):

- Heavy to very heavy rainfall with extremely heavy falls recorded at isolated places over Gujarat Region and southwest Madhya Pradesh.
- Heavy to very heavy rainfall recorded at isolated places over East Rajasthan, North Haryana, Himachal Pradesh, Uttarakhand, East Madhya Pradesh, Andaman Islands, Madhya Maharashtra, Coastal & north Interior Karnataka, Arunachal Pradesh; Heavy rainfall at isolated places over West Rajasthan, Jammu-Kashmir, Vidarbha, Chhattisgarh, Sub-Himalayan West Bengal, North Odisha, Jharkhand, west Bihar, Uttar Pradesh, south coastal Maharashtra (Konkan), interior Tamil Nadu, north & central Kerala, South Interior Karnataka, Assam and Manipur.
- Thunderstorm accompanied with Squally/Gusty winds with speed 40-80 kmph at isolated places over Gujarat, Himachal Pradesh, Madhya Maharashtra, Andaman & Nicobar Islands, West Uttar Pradesh, Marathawada, West Madhya Pradesh, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Tamil Nadu, Kerala and Konkan.
 For more details of realised weather, kindly refer Annexure I,

i. Weather Systems, Forecast and Warnings (refer to Annexure II & III):

- An upper air cyclonic circulation lies over northeast Madhya Pradesh extending upto middle tropospheric levels tilting southwards with height.
- A **trough runs** from northeast Arabian Sea to the above cyclonic circulation over northeast Madhya Pradesh in lower & middle tropospheric levels.
- An upper air cyclonic circulation lies over Northwest Bay of Bengal and adjoining north Odisha-west Bengal coasts extending up to middle tropospheric levels tilting southwestwards with height. Under its influence, a low-pressure area is likely to form over the same region during next 24 hours.
- Under the influence of these systems, the following weather is likely:

West India:

- ✓ Extremely heavy rainfall (>20 cm/24 hours) likely at isolated places over Gujarat Region on 25th June.
- ✓ Heavy to very heavy rainfall at isolated places likely over Konkan & Goa, Ghat areas of Madhya Maharashtra, Gujarat region and isolated heavy rainfall over Saurashtra & Kutch during 25th June-01st July.
- ✓ Light/moderate rainfall at most/many places likely over the region during next 7 days.

Northwest India:

- ✓ Isolated heavy rainfall likely over Punjab, Haryana, Himachal Pradesh, Uttarakhand, West Uttar Pradesh during 25th June-01st July; Rajasthan during 25th-29th; Jammu-Kashmir during 25th-27th; East Uttar Pradesh during 28th June-01st July with very heavy rainfall over East Rajasthan during 25th-28th; Uttarakhand during 25th-27th, Haryana, Himachal Pradesh on 25th; West Rajasthan on 27th; Punjab on 25th & 26th, West Uttar Pradesh on 25th June & 01st July 27th; Jammu-Kashmir on 25th June and East Uttar Pradesh on 30th June & 01st July.
- ✓ Light/moderate rainfall at most/many places accompanied with accompanied with thunderstorm, lightning & gusty winds speed reaching 30-40 kmph likely over Northwest India during 25th June-01st July.

East & Central India:

- ✓ Extremely heavy rainfall (>20 cm/24 hours) likely at isolated places over Odisha on 25th June.
- ✓ Isolated heavy rainfall over Madhya Pradesh, Vidarbha, Chhattisgarh during 25th June-01st July; Jharkhand, Odisha, Gangetic West Bengal during 25th-28th, Sub-Himalayan West Bengal & Sikkim, Bihar during 27th June-01st July with very heavy rainfall over Madhya Pradesh on 25th, 26th June & 01st July; Sub-Himalayan West Bengal & Sikkim on 28th; Bihar on 28th & 29th; Jharkhand, Odisha on 26th June.
- ✓ Light/moderate rainfall at most/many places accompanied with thunderstorm, lightning & gusty winds speed reaching 40-50 kmph likely over Andaman & Nicobar Islands, Madhya Pradesh, Vidarbha, Chhattisgarh, Gangetic West Bengal, Bihar, Jharkhand, Odisha during 25th June-01st July.

Northeast India:

 Light/moderate rainfall at most places accompanied with thunderstorm, lightning and isolated heavy rainfall likely to continue over Northeast India during next 7 days with very heavy rainfall over Arunachal Pradesh on 28th June.

South Peninsular India:

- ✓ Isolated heavy rainfall likely over Kerala, Karnataka, Tamil Nadu during 25th-28th; Coastal Andhra Pradesh & Yanam and Telangana on 25th June with very heavy rainfall over Interior Karnataka on 25th; Ghat areas of Tamil Nadu, Coastal Karnataka and Kerala on 25th & 26th June.
- ✓ Strong surface winds (speed reaching 40-60 kmph) very likely over Karnataka, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana during 25th-29th June.
- ✓ Light/moderate rainfall at many/some places over Kerala & Mahe, Lakshadweep, Coastal Karnataka; isolated to scattered rainfall accompanied with isolated **thunderstorm**, lightning over Coastal Andhra Pradesh & Yanam, Telangana, Interior Karnataka during 25th-29th June.

Fishermen Warnings:

Arabian Sea:

- Fishermen are advised not to venture off south Gujarat- Karnataka-Kerala coasts and Lakshadweep area coast for day 1 & day 2 (25th & 26th June), along and off Gujarat coast for day 4 and day 5 (28th & 29th June); along and off Konkan coast for day 1, day 4 & day 5 (25th, 28th & 29th June), off Konkan coast for day 2 (26th June); along and off Goa coast for day 1 (25th June).
- Fishermen are advised not to venture along and off the Somalia coast and adjoining sea areas, Oman and adjoining Yemen coast & adjoining sea areas; over central & adjoining north, south Arabian Sea for day 1 to day 5 (25th 30th June); most parts of northeast Arabian Sea for day 4 & day 5 (28th & 29th June.

Bay of Bengal:

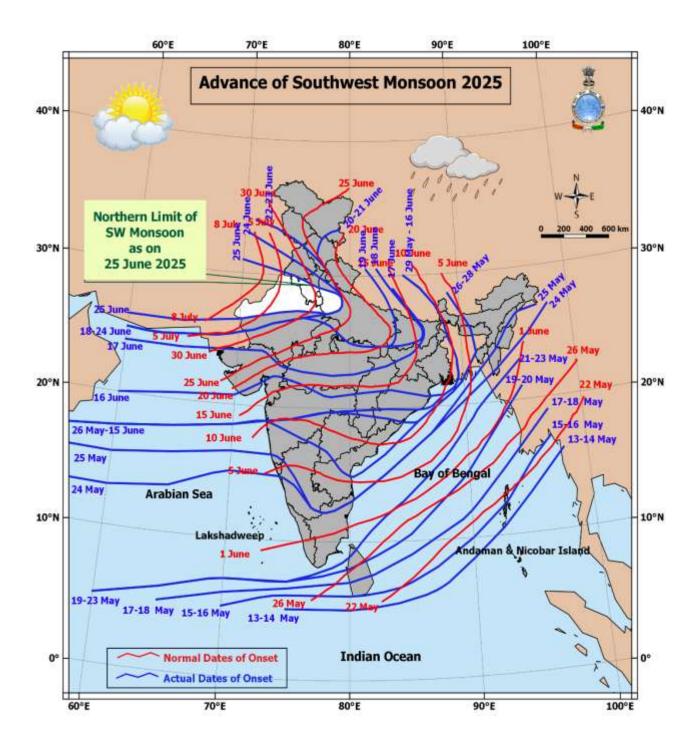
- Fishermen are advised not to venture along and off north Andhra Pradesh coast for day 1, day 3, day 4 (25th, 27th & 28th June), off north Andhra Pradesh coast for day 5 (29th June); along and off Odisha and West Bengal coasts for day 1 and day 2 (25th & 26th June); over many parts of westcentral Bay of Bengal and adjoining eastcentral Bay of Bengal for day 1 to day 3 (25th to 28th June); many parts of central Bay of Bengal for day 4 and day 5 (28th & 29th June); some parts of southwest Bay of Bengal for day 2 and day 5 (26th & 29th June).
- Fishermen are advised not to venture over the Gulf of Mannar for day1 and day 2 (25th & 26th June).
- Total suspension of fishing operations is suggested over above mentioned areas and dates.

ii. Weather conditions and forecast over Delhi/NCR during 25th June to 28th June, 2025 (Annexure IV)

For more details, kindly refer National Weather Bulletin:

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

ANNEXURE I



Significant weather reported during past 24 hours till 0830 hours IST of today:

Rainfall recorded (in cm) during past 24 hours till 0830 hours IST of today, the 25th June:

- Gujarat Region: Lunawada (dist Mahisagar) 22; Nandod (dist Narmada) 21; Dahod (dist Dahod) 19; Shahera (dist Panchmahal), Jetpur Pavi (dist Chhota Udepur), Dahod (dist Dahod) 18 Each; Dharampur (dist Valsad), Rajpipala (dist Narmada) 17 Each; Virpur (dist Mahisagar), Morva Hadaf (dist Panchmahal), Tilakwada (dist Narmada) 16 Each; Godhra (dist Panchmahal), Modasa (dist Aravalli), Singvad (dist Dahod) 14 Each; Limkheda (dist Dahod), Khergam (dist Navsari) 13 Each; Pardi (dist Valsad), Santrampur (dist Mahisagar), Garudeshwar (dist Narmada) 12 Each; Jambughoda (dist Panchmahal), Vapi (dist Valsad), Halol (dist Panchmahal), Sankheda (dist Chhota Udepur), Fatepura (dist Dahod), Bodeli (dist Chhota Udepur) 11 Each; Sagbara (dist Narmada), Vyara (dist Tapi), Sanjeli (dist Dahod), Kukarmunda (dist Tapi), Khanpur (dist Mahisagar) 10 Each;
- West Madhya Pradesh: Kathiwada (dist Alirajpur) 21; Jhabua- (dist Jhabua) 9; Kumbhraj (dist Guna) 8; Sarangpur (dist Rajgarh), Isagarh (dist Ashoknagar) 7 Each;
- East Rajasthan: Sallopat(dist Banswara) 19; Sagwara (dist Dungarpur) 14; Rajsamand (dist Rajsamand) 11; Mandal (dist Bhilwara) 10; Mangrol (dist Baran), Aspur (dist Dungarpur), Sangod (dist Kota), Atru(dist Baran) 9 Each; Jaipur (dist Jaipur), Amet (dist Rajsamand) 8 Each; Banera (dist Bhilwara), Jamwaramgarh (dist Jaipur), Bagidora (dist Banswara) 7 Each;
- North Haryana: Shahbad (dist Kurukshetra) 17; Babain REV (dist Kurukshetra) 11; Partapnagar REV (dist Yamuna Nagar) 10; Bilaspur (dist Yamuna Nagar) 8; Chhachhrauli (dist Yamuna Nagar) 7;
- North Interior Karnataka: Khanapur (dist Belagavi) 17; Londa (dist Belagavi) 13; Kittur (dist Belagavi) 10;
- Madhya Maharashtra: Radhanagari (dist Kolhapur), Ajra (dist Kolhapur) 16 Each; Chandgad (dist Kolhapur) 12; Shahuwadi (dist Kolhapur), Kokrud (dist Sangli) 9 Each; Akkalkuwa (dist Nandurbar) 7;
- Andaman Islands: Long Island (dist North & Middle Andaman) 16;
- Himachal Pradesh: Palampur (dist Kangra) 14; Jogindarnagar (dist Mandi) 11; Nahan (dist Sirmaur) 9; Renuka/dadhau (dist Sirmaur), Baijnath (dist Kangra) 8 Each;
- East Madhya Pradesh: Mandla (dist Mandla) 13; Vijayraghogarh (dist Katni), Singodi (dist Katni) 12 Each; Kusmi (dist Sidhi), Churhat (dist Sidhi) 10 Each; Jaitpur (dist Shahdol) 9; Mohangarh (dist Tikamgarh) 8; Balaghat- (dist Balaghat), Niwas (dist Mandla), Mehadwani (dist Dindori), Mohgaon (dist Mandla), Matiyari (dist Mandla) 7 Each;
- Coastal Karnataka: Yellapur (dist Uttara Kannada), Castle Rock (dist Uttara Kannada) 13 Each;
- Uttarakhand: Haldwani (dist Nainital) 13; Loharkhet (dist Bageshwar) 7;
- West Bihar: Imamganj (dist Gaya) 11; Chausha (dist Buxar) 8;
- Jammu-Kashmir: Katra (dist Reasi) 11; Rajouri(dist Rajouri), Reasi(dist Reasi), Reasi (dist Reasi) 9 Each; Udhampur (dist Udhampur) 7;
- West Rajasthan: Desuri (dist Pali) 11;
- **East Uttar Pradesh**: Patti (dist Pratapgarh) 7,
- West Uttar Pradesh: Nakur (dist Saharanpur) 11,
- South Interior Karnataka: Kammardi (dist Chikkamagaluru), Hunchadakatte (dist Shivamogga) 11 Each; Sringeri HMS (dist Chikkamagaluru), Agumbe Emo (dist Shivamogga) 9 Each; Kalasa (dist Chikkamagaluru), Somwarpet (dist Kodagu) 8 Each; Napoklu (dist Kodagu), Koppa (dist Chikkamagaluru) 7 Each;
- North Odisha: Rajnagar (dist Kendrapara) 11; Aul (dist Kendrapara), Chandua Kuliana (dist Mayurbhanj) 8 Each; Joda (dist Keonjhargarh) 7;
- Assam: Chauldhowaghat (dist Lakhimpur) 10; Kampur (dist Nagaon) 9; Silchar (dist Cachar) 8; Udaipur (dist Tinsukia) 7;
- Interior Tamil Nadu: Chinnakalar (dist Coimbatore) 9; Valparai(dist Coimbatore) 8; Upasi Tea Research (dist Coimbatore), Sholayar (dist Coimbatore), Cincona (dist Coimbatore) 7 Each;
- North and central Kerala: Vyttiri (dist Wynad), Munnar Kseb (dist Idukki), Sengulam Dam (dist Idukki) 9 Each; Chemberi (dist Cannur) 8; Nilambur (dist Malappuram) 7;
- Vidarbha: Korchi (dist Gadchiroli) 8; Mulchera (dist Gadchiroli) 7;
- Chhattisgarh: Bamhnidih (dist Janjgir) 8; Janjgir (dist Janjgir), Janakpur Bharatpur (dist Manendragarh Bharatpur)
 7 Each;
- Arunachal Pradesh: Pasighat(dist East Siang), Basar (dist West Siang), Basar (dist West Siang) 8 Each; Tezu (dist Lohit) 7;
- Manipur: Chottabekra (dist Imphal West) 7;
- South coastal Maharashtra (Konkan): Dodamarg (dist Sindhudurg) 7;
- Sharkhand: Jamtara Fmo (dist Jamtara), Icar Namkum (dist Ranchi), Gola (dist Ramgarh) 7 Each;
- Sub Himalayan West Bengal: Washabari Tea Estate (dist Jalpaiguri) 7.

Realised Gusty Winds (kmph) During Past 24hours ending at 0830 hrs IST of today the 25th June:

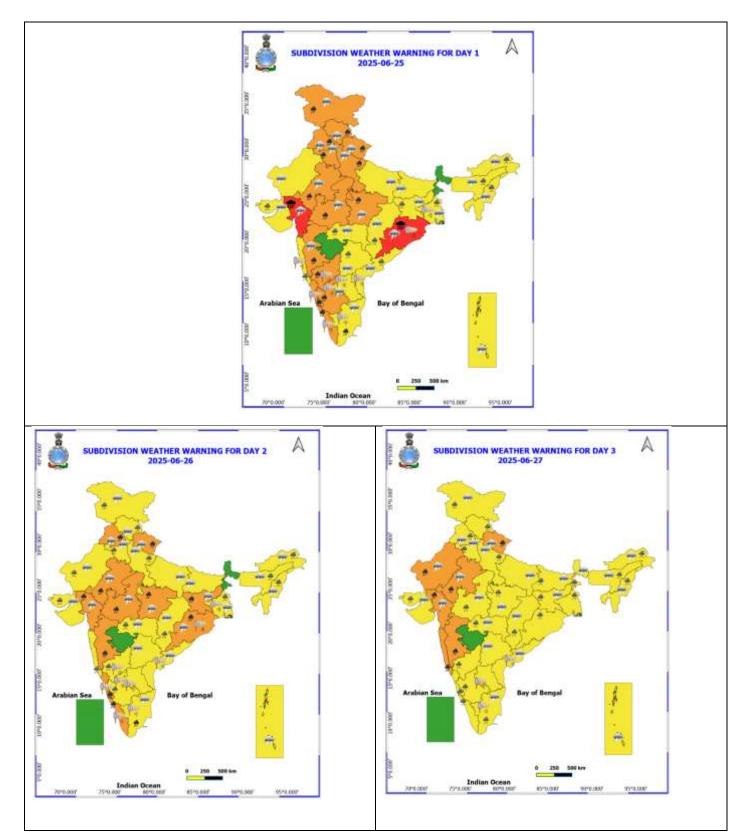
- Gujarat Region: (Ahmedabad) Arnej 76;
- Himachal Pradesh: Tabo 56;
- Madhya Maharashtra: Vilholi (NASHIK) 56, Kalwan(NASHIK)54, Mahabaleshwar 54;
- Andaman & Nicobar Islands: Sri Vijayapuram (50);
- Saurashtra & Kutch: (Amreli)Dhari 50;
- West Uttar Pradesh: Gautam buddha Nagar 44;
- Marathwada: Latur 48, Beed (Ambejogai) 44;
- West Madhya Pradesh: Ujjain 44;
- Coastal Maharashtra (Konkan): Santacruz (MUMBAI) 43

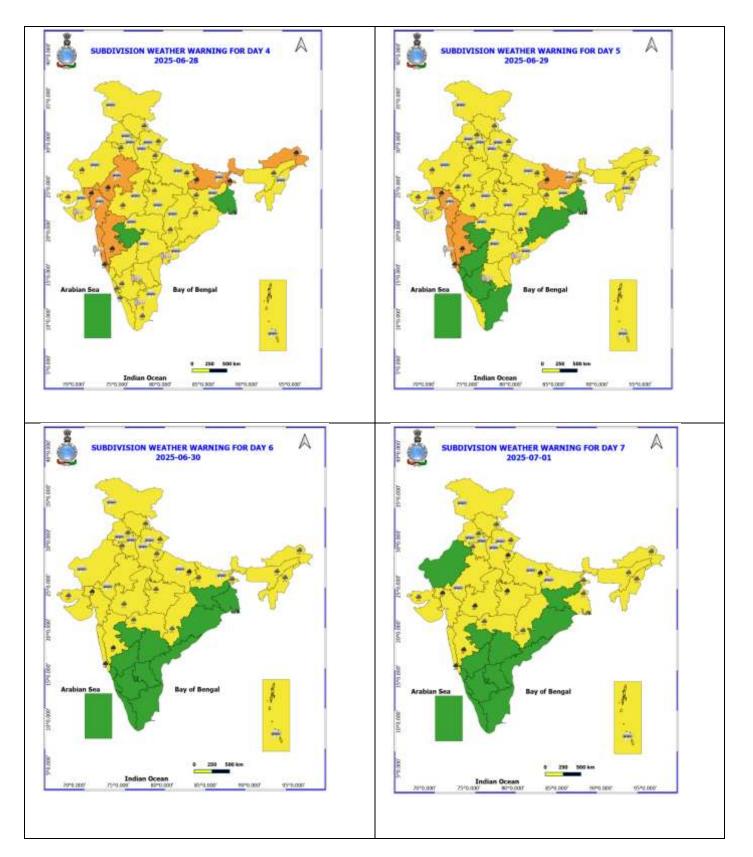
ANNEXURE II

	Table		0.00a0					_
7 Days Rainfall Forecast 25- Jun 26- Jun 27- Jun 28- Jun 29- Jun 30- Jun 1- J								
S.No.	Subdivision		2210304023	8000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	016641104	25.0100.0101	1000000000	12 10 10 2
		Day 1	Day 2	Day 3	Day 4			
1		FWS	113	WS	115	FWS	FWS	FW
2	ARUNACHAL PRADESH	FWS	FWS	FWS	425	1915	1 1995	FW
3	ASSAM & MEHGHALAYA	142	FWS		FWS	FWS	a construction of the second second	FW
4		WE	FWS	FWS	FWS	FWS	FWS	FW
5	SUB HIMALAYAN WEST BENGAL & SIKKIM	FWS	FWS	WB	113	WS	445	FW
6			1975	375	10	FWS		FW
7	ODISHA	- Will	46	FWS	FWS	SCT		SC
8	JHARKHAND	W S	145	WS	125	115	FWS	FW
9	BIHAR	SCT	SCT	SCT	FWS	FWS	FWS	FW
10	EAST UTTAR PRADESH	ISOL	SCT	FWS	FWS	NB	115	
11	WEST UTTAR PRADESH	SCT	FWS	FWS	FWS	FWS	FWS	FW
12	UTTARAKHAND	145	75	WC	FWS	FWS	FWS	FW
13	HARYANA, CHANDIGARH & DELHI	14.3	FWS	FWS	12/5	WB	1475	FW
14	PUNJAB	WE	Wa	FWS	FWS	W S	W.S	FV
15	HIMACHAL PRADESH	W B	YU S	WS	FWS	FWS	FWS	FV
16	JAMMU AND KASHMIR AND LADAKH	WS	WS	WS	SCT	SCT	SCT	S
17	WEST RAJASTHAN	SCT	SCT	FWS	FWS	FWS		ISC
18	EAST RAJASTHAN	FWS	FWS	FWS	FWS	FWS	SCT	SC
19	WEST MADHYA PRADESH		-	WE	105	WE.	FWS	FW
20	EAST MADHYA PRADESH	WS	715	W/6	WS	W.S	W	
21	GUJRAT REGION	yang te	WS	WS	W/S	W/S	M/S	
22	a national second se	14.5	Ver	WE	146	WE	Ves	
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24	MADHYA MAHARASHTRA	FWS	SCT	SCT	SCT	FWS	FWS	FV
25		ISOL	ISOL	ISOL	ISOL	ISOL		ISC
26	VIDARBHA		1	FWS	FWS	FWS	and the second se	
27	individual and the second s	U.S.	W S				FWS	FW
28	new provide state and the second s	-	FWS	SCT	SCT	SCT		SC
29		SCT	SCT	ISOL	ISOL	ISOL		ISC
30		SCT	ISOL	ISOL	ISOL	ISOL	and an end of the local data and the	ISC
31	TAMILNADU & PUDUCHERRY	ISOL	SCT	SCT	SCT	ISOL	ISOL	ISC
32		I DOL	1	We	The second	1000	1001	
33		FWS	FWS	SCT	SCT	SCT	ISOL	ISC
34	has been provided and the standard and a standard in the second standard and a standard standards.	FWS	FWS	SCT	SCT	SCT	ISOL	ISC
35		TWS	- Mas	001		FWS	and the second second	50
	LAKSHADWEEP	13,000				FWS		SC

• As the lead period increases forecast accuracy decreases.

ANNEXURE III





- 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.

DetaileddistrictwiseMultiHazardweatherwarningfornextfivedaysavailableat https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php

Weather forecast over Delhi/NCR during 25th to 28th June 2025

Past Weather:

There has been rise in the minimum up to 1°C and fall in maximum temperature up to 1°C over Delhi/NCR during the past 24 hours. The maximum and minimum temperatures over Delhi were around 34 to 36 °C and 25 to 29°C, respectively. The minimum temperatures were near normal and the maximum temperatures were below normal up to 2 to 6°C. Partly cloudy sky conditions with predominant surface wind from the east direction with wind speeds up to 16 kmph prevailed during the past 24 hours. Generally cloudy sky conditions with wind speed less than 16 kmph from the east direction prevailed over the region in the forenoon today.

Weather Forecast:

25.06.2025: Generally cloudy sky. Light to Moderate rain/thunderstorm/lightning accompanied with gusty winds 30 - 40 kmph. The maximum temperatures over Delhi are likely to be in the range of 33 to 35°C. The maximum temperature will be below normal by up to 2 - 4°C. The predominant surface wind will likely be from the southeast direction with a wind speed of less than 20 kmph in the afternoon. The wind speed will gradually increase becoming 20-25 kmph from the southeast direction during evening and night.

26.06.2025: Generally cloudy sky. Very light to light rain/thunderstorm/lightning accompanied with gusty winds 30 - 40 kmph. The maximum and minimum temperatures over Delhi are likely to be in the range of 33 to 35°C and 26 to 28°C respectively. The minimum temperature will be below normal up to 1 to 2 °C and the maximum temperature will be below normal up to 2 to 4°C. The predominant surface wind will likely be from the southeast direction with a wind speed of less than 25 kmph during the morning hours. The wind speed will gradually decrease becoming 15-20 kmph from the southeast direction in the afternoon. It will increase becoming less than 20 kmph from the southeast direction during evening and night.

27.06.2025: Generally cloudy sky. Very light to light rain accompanied with thunderstorm/lightning. The maximum and minimum temperatures over Delhi are likely to be in the range of 33 to 35°C and 26 to 28°C, respectively. The minimum temperature will be below normal up to 1 to 2°C, and the maximum temperature will be below normal up to 2 to 4°C. The predominant surface wind will likely be from the east direction with a wind speed of less than 15 kmph during the morning hours. The wind speed will gradually increase becoming less than 20 kmph from the southeast direction in the afternoon. It will decrease to less than 10 kmph from the northeast direction during the evening and night.

28.06.2025: Generally cloudy sky. Very light to light rain accompanied with thunderstorm/lightning. The maximum and minimum temperatures over Delhi are likely to be in the range of 32 to 34°C and 25 to 27°C, respectively. The minimum temperature will be below normal up to 1 to 3 °C, and the maximum temperature will be below normal up to 3 to 5°C. The predominant surface wind will likely be from the northwest direction with a wind speed of less than 10 kmph during the morning hours. The wind speed will gradually increase becoming less than 15 kmph from the northwest direction in the afternoon. It will decrease to less than 12 kmph from the northwest direction during the evening and night.

Impact expected and Action Suggested due to thunderstorm with lightning/gusty winds:

- Be cautious and take precautionary measures, though there is the likelihood of thunderstorm/lightning and gusty winds (speed 40 50 kmph) temporarily reaching 60 kmph during thunderstorm with dust rising surface winds.
- Breaking of tree branches, uprooting of large avenue trees, Large dead limbs blown from trees, Damage to standing crops, Minor to major damage to power and communication lines due to breaking of branches, Partial damage to vulnerable structures due to strong winds, Loose objects may fly.
- People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly, stay indoors, close windows & doors and avoid travel if possible, take safe shelters; do not take shelter under trees, do not lie on concrete floors and do not lean against concrete walls, unplug electrical/ electronic appliances, immediately get out of water bodies, keep away from all the objects that conduct electricity.

Impact & Action Suggested due to extremely heavy falls/ very heavy rainfall:

- ✓ Extremely heavy rainfall (>20 cm/24 hours) likely at isolated places over Gujarat Region and Odisha on 25th June.
- Very heavy rainfall at isolated places likely over Konkan & Goa, ghat areas of Madhya Maharashtra, Gujarat region during 25th June-01st July; over East Rajasthan during 25th-28th; Uttarakhand during 25th-27th, Haryana, Himachal Pradesh, Interior Karnataka on 25th; West Rajasthan on 27th; Punjab, Madhya Pradesh, ghat areas of Tamil Nadu, Coastal Karnataka and Kerala on 25th & 26th, West Uttar Pradesh on 25th June & 01st July 27th; Jammu-Kashmir on 25th June and East Uttar Pradesh on 30th June & 01st July; Sub-Himalayan West Bengal & Sikkim on 28th; Bihar on 28th & 29th; Jharkhand, Odisha on 26th June

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/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.

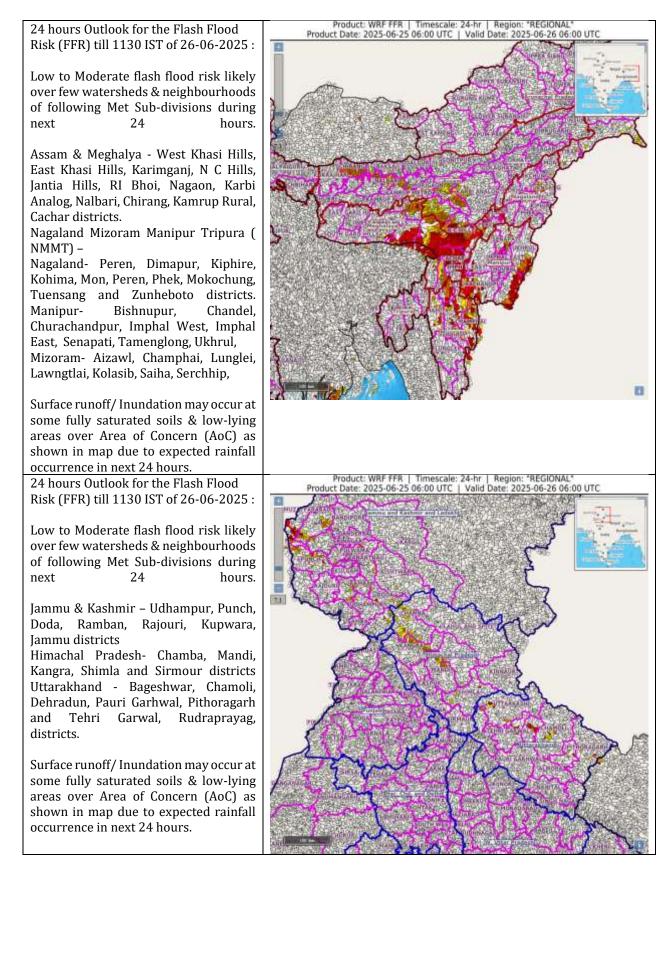
Agromet advisories for likely impact of Heavy / Heavy to Very Heavy / Extremely Heavy Rainfall (Based on the IBF and advisories issued by different AMFUs)

- In Gujarat, postpone nursery sowing of rice. Ensure proper drainage facilities in already sown rice nurseries, sugarcane fields, banana and mango plantations to prevent waterlogging. Provide support to sugarcane and banana to prevent lodging. In Saurashtra & Kutch, Drain out excess rain water from vegetable nurseries and horticultural plantations.
- In West Madhya Pradesh, Postpone harvesting of maize. Postpone sowing of pearl millet, soybean, pigeon pea and paddy nurseries. Make necessary arrangements to drain out excess water from vegetables and orchards to avoid waterlogging. In Kymore Plateau and Satpura Hill Zone of East Madhya Pradesh, harvest matured green gram and black gram crop and store in a safe place. In Gird Zone of West Madhya Pradesh, harvest matured maize crop and keep it in safe place. Postpone sowing of soybean and transplanting of chilli, tomato, brinjal etc. and ensure proper drainage in already sown / transplanted fields.
- In East Rajasthan, harvest the matured vegetables such as okra and cucurbits and store them in safe place. Make arrangement for draining out excess water from the fields of groundnut and green gram.
- In Uttarakhand, make proper drainage channels in rice nurseries, pigeon pea, groundnut, maize, soybean, barnyard millet and finger millet to avoid waterlogging. In Bhabar and Tarai Zone of Uttarakhand, harvest matured spring maize crop and vegetables (pumpkin, tomato, okra, chilli, French bean etc.) and store in safe place during clear weather.
- In Sub-Montane and Low Hills Sub-Tropical Zone of Himachal Pradesh, provide drainage in maize and vegetable fields. Strengthen the support for creepers and tall vegetable crops (tomato, capsicum etc.). In Mid Hills Sub-Humid Zone of Himachal Pradesh, harvest matured fruits of plum, pear and stonefruit to minimize losses due to heavy rains. Make proper drainage channels in the fields of maize, apple, pear, pomegranate, kiwi, cucumber and tomato to avoid waterlogging. Provide support to cucumber vines and tomato plants to prevent lodging.
- > In **Punjab**, drain out excess water from already sown cotton, rice, vegetables and fruit crops.
- > In **Haryana** Make necessary arrangements to drain out excess water from cotton and pearl millet fields.
- In Jammu and Kashmir In Intermediate Zone, postpone sowing of maize. Drain out excess water from the fields of maize and vegetables. In Sub Tropical Zone, drain out excess water from maize fields.
- In Sub-Himalayan West Bengal, maintain proper drainage channels in rice nurseries and fields of jute and ginger to avoid water stagnation.
- In Jharkhand, make necessary arrangements to drain out excess water from already sown maize fields, rice and vegetable nurseries.
- > In **Odisha**, ensure proper drainage from already sown rice nurseries, fields of maize and vegetables to prevent waterlogging. Cover rice and vegetable nurseries with plastic sheets to prevent washing away of seeds.
- > In **Chhattisgarh**, ensure proper drainage in rice nurseries.
- In Konkan & Goa make arrangement to drain out excess water from rice nurseries, fields of finger millet, groundnut and orchards to prevent waterlogging. In *ghat* areas of Madhya Maharashtra, drain out excess water from rice nurseries, vegetables and orchards to prevent waterlogging.
- In Coastal Karnataka, ensure proper drainage facilities in rice nurseries, banana, coconut and arecanut plantations to prevent water logging. In South Interior Karnataka, cover young seedlings of rice with plastic sheets or agro-shade nets to protect them from heavy rains. Provide adequate drainage to remove excess water from rice nurseries, coffee, cardamom, coconut and arecanut plantations to prevent water logging. Provide support to sugarcane and banana to prevent lodging. In North Interior Karnataka, drain out excess water from the crops which are at seedling stage to prevent water logging.
- In Kerala, ensure proper drainage facilities in rice nurseries, transplanted rice fields, coconut and banana plantations to prevent water logging. Undertake propping in banana to protect the plants from heavy rains.
- In Assam, keep the harvested produce of sesame, foxtail millet, *Boro* rice, banana and citrus at safer places. Ensure proper drainage in *Sali* rice nursery, maize and sugarcane fields, arecanut and coconut plantations to prevent waterlogging. In **Barak Valley Zone** of Assam, postpone nursery sowing of *Sali* rice.
- In Meghalaya, postpone nursery sowing of rice especially in valleys. Ensure proper drainage in the fields of maize, ginger, French bean, cowpea, vegetables and around rice nurseries to prevent waterlogging. Provide strong bamboo stakes or trellis support to cow pea, cucumber and bottle gourd to prevent vines from trailing on wet ground. Provide support to banana plant to prevent lodging.
- In Arunachal Pradesh, keep the harvested produce of soybean and vegetables such as chilli and okra at a safer place. Ensure proper drainage in rice nurseries, kiwi and apple orchards to avoid waterlogging.
- In Nagaland, avoid transplanting of TRC/WRC rice. Postpone sowing of soybean. Provide proper staking to vine type plants.

Livestock / Fishery

- > Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- > Store feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain out excess water, thereby preventing fish from escaping in case of overflow.

Flash flood guidance:



Legends & abbreviations:

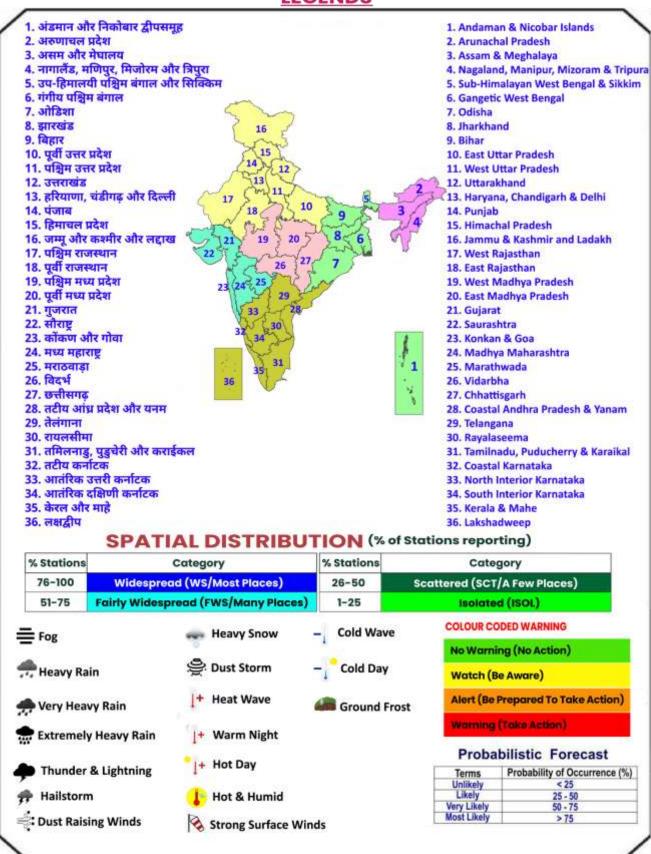
- Heavy Rain:64.5-115.5mm; Very Heavy Rain:115.6-204.4mm; Extremely Heavy Rain: >204.4mm.
- Obsy: Observatory; Automatic Weather Station; ARG: Automatic Rain Gauge; dist: District: NH: National Highway; KVK: Krishi Vigyan Kendra; DVC: Damodar Valley Corporation; PTO: Part Time Office, Aero: Aerodrome, 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, 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.



राष्ट्रीय मौसम पूर्वानुमान केन्द्र भारत मौसम विज्ञान विभाग पृथ्वी विज्ञान मंत्रालय



National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences



* 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: 011-2434-459 (Service to the Nation since 1875)





National Weather Forecasting Centre India Meteorological Department Ministry of Earth Sciences

	Heavy: 64.5 to 115.5 mm/cm *
ain/ Snow *	Very Heavy: 115.6 to 204.4 mm/cm* Extremely Heavy: > 204.4 mm/cm*
	When maximum temperature of a station reaches ≥40° C for plains and ≥30° C for hilly regions (a) Based on Departure from normal
	Heat Wave: Maximum Temperature Departure from normal 4.5° C to 6.4° C.
leat Wave	Severe Heat Wave: Maximum Temperature Departure from normal 26.5° C
icat wave	Heat Wave: When actual maximum temperature ≥45°C.
	Severe Heat Wave: When actual maximum temperature ≥47°C
	(c). Criteria for heat wave for coastal stations When maximum temperature departure is ≻4.5°C from normal. Heat Wave may be described provided maximum temperature ≥3°C
	When maximum temperature remains 40°C
/arm Night	Warm Night: When minimum temperature departure 4.5 °C to 6.4 °C
	Severe Warm Night: When minimum temperature departure >6.4 °C.
	When minimum temperature of a station ≤10°C for plains and ≤0°C for hilly regions. (a). Based on departure
	Cold Wave: Minimum Temperature Departure from normal -4.5 °C to -6.4 °C. Severe Cold Wave: Minimum Temperature Departure from normal ≤ -6.5 °C
Cold Wave	
endern neuerosona).	(b) Based on actual Minimum Temperature (for Plains only) Cold Wave : When Minimum Temperature is \$ 4.0 °C
	Severe Cold Wave: When Minimum Temperature is ≤ 2.0 °C
	(c) For Coastal Stations
	When Minimum Temperature departure is ≤-4.5 °C & actual Minimum Temperature is ≤ 15 °C
	When minimum temperature of a station ≤10°C for plains and ≤0°C for hilly regions Based on departure
Cold Day	Cold Day: Maximum Temperature Departure from normal -4.5 °C to -6.4 °C.
	Severe Cold Day: Maximum Temperature Departure from normal ≤ -6.5 °C
	Phenomenon of small droplets suspended in air and the horizontal visibility < 1km
100	Moderate Fog: When the visibility between 500-200 metres
Fog	Dense Fog: when the visibility between 50-200 metres Very Dense Fog: when the visibility < 50 metres
understorm	Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)
Dust/Sand Storm	An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.
	Ice deposits on ground
Frost	Air temperature s4°C (over Plains)
	A strong wind that rises suddenly, lasts for atleast 1 minute.
C	Moderate: Wind speed 52-61 kmph
Squall	Severe: Wind speed 62-87 kmph
	Very Severe: Wind speed >87 kmph
	Effect of various waves in the sea over specific area
Sea State	Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2,5-6 metre High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre
	Phenomenal: Wind speed >117 kmph (>63 knots) & Wave height >14 metre
	Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots)
	Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots)
Cyclone	Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots)
	Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots) Super Cyclone Strom: Wind speed >220 kmph (>119 knots)

Hot and Humid: When maximum temperatures remain 3°C above normal along with the above normal relative humidity.