



**Government of India  
Ministry of Earth Sciences  
India Meteorological Department**



**Press Release**

**Date: 20<sup>th</sup> July, 2025**

**Time of Issue: 1315 hours IST**

**Subject: i) Heavy to very heavy rainfall over Sub-Himalayan West Bengal and Sikkim and northeastern states during 20<sup>th</sup>-26<sup>th</sup> July; Himachal Pradesh and Uttarakhand 20<sup>th</sup>-24<sup>th</sup> July and increase in rainfall over coastal Odisha from 23<sup>rd</sup> July**

**ii) Heavy to very heavy rainfall likely to continue over Kerala, Karnataka, Telangana, Tamil Nadu during next 6-7 days.**

**Realised weather during past 24 hours till 0830 hours IST of today, the 20<sup>th</sup> July, 2025:**

- ❖ **Heavy to very heavy rainfall at some places with extremely heavy falls ( $\geq 21$  cm)** has been recorded at isolated places over Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim.
- ❖ **Heavy to very heavy rainfall (7-20 cm)** has been recorded at isolated places over Bihar, Rajasthan; **Heavy rainfall (7-11 cm)** at isolated places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Odisha, Jharkhand, Chhattisgarh, Konkan & Goa, Madhya Maharashtra, Saurashtra & Kutch, Tamil Nadu, Kerala & Mahe, Telangana, Coastal Karnataka and South Interior Karnataka.

**For more details of realised weather, kindly refer [Annexure I](#).**

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

- ❖ The **Monsoon trough** is active with its western end runs to the south of its normal position and eastern end north of its normal position at mean sea level. It is likely to shift northward during next 2 days.
- ❖ Yesterday's depression over northwest & adjoining areas of northeast Rajasthan moved nearly westwards and weakened into a **Well Marked Low pressure area** and lay over west Rajasthan and adjoining Pakistan at 0530 hrs IST of today, the 20<sup>th</sup> July, 2025 and it persisted over the same region at 0830 hrs IST of Today, the 20<sup>th</sup> July.
- ❖ A **trough ran** from north Bihar to Odisha across Jharkhand in the lower tropospheric levels.
- ❖ An **east-west trough** ran roughly along Lat. 13°N from south Karnataka to south Coastal Andhra Pradesh in middle tropospheric levels.
- ❖ A **fresh Low Pressure area** is likely to form over north Bay of Bengal around 24<sup>th</sup> July, 2025.

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

**Northwest India:**

- ✓ Isolated **very heavy rainfall over Uttarakhand during 20<sup>th</sup>-22<sup>th</sup>, Himachal Pradesh during 21<sup>st</sup>-23<sup>rd</sup> July with heavy rainfall** likely over Punjab, Jammu and Kashmir during 21<sup>st</sup>-24<sup>th</sup>, West Uttar Pradesh on 20<sup>th</sup> & 21<sup>st</sup>; East Uttar Pradesh on 26<sup>th</sup>, West Rajasthan on 20<sup>th</sup>, East Rajasthan on 22<sup>nd</sup> & 26<sup>th</sup>, Haryana on 21<sup>st</sup> & 22<sup>nd</sup> July.
- ✓ Light/moderate rainfall at most places accompanied with thunderstorm, lightning likely over western Himalayan region and some places over the plains during next 7 days.

**West India:**

- ✓ **Heavy to very heavy rainfall** likely at isolated places over Konkan & Goa, Ghat areas of Madhya Maharashtra during 20<sup>th</sup>-26<sup>th</sup>; Saurashtra & Kutch on 20<sup>th</sup> July and **heavy rainfall** over Marathwada on 21<sup>st</sup> July.
- ✓ Light/moderate rainfall at many/some places very likely over the region during next 5 days.

**South Peninsular India:**

- ✓ Isolated **heavy to very heavy rainfall** likely over Kerala & Mahe, Coastal and South Interior Karnataka during 20<sup>th</sup>-26<sup>th</sup>; Tamil Nadu during 20<sup>th</sup>-22<sup>nd</sup> July; Telangana during 20<sup>th</sup>-24<sup>th</sup> July; isolated **heavy rainfall** over Lakshadweep on 20<sup>th</sup>, Rayalaseema on 20<sup>th</sup> & 21<sup>st</sup>, North Interior Karnataka during 20<sup>th</sup>-26<sup>th</sup>, Coastal Andhra Pradesh & Yanam during 20<sup>th</sup>-24<sup>th</sup> July.
- ✓ **Strong surface winds** (speed reaching 40-50 kmph) very likely over South Peninsular India during next 5 days.

- ✓ Light/moderate rainfall at many/some places over Kerala & Mahe, Lakshadweep, Karnataka, Rayalaseema; isolated to scattered rainfall over Coastal Andhra Pradesh & Yanam, Telangana during next 7 days.

#### **East & Central India:**

- ✓ Isolated **very heavy rainfall over Chhattisgarh, Sub-Himalayan West Bengal & Sikkim on 20<sup>th</sup>, Vidarbha, Chhattisgarh, Odisha, Gangetic West Bengal during 23<sup>rd</sup>-25<sup>th</sup> July with heavy rainfall** very likely to continue over Andaman & Nicobar Islands on 20<sup>th</sup>, Sub-Himalayan West Bengal & Sikkim during 20<sup>th</sup>-22<sup>nd</sup>, Vidarbha, Chhattisgarh during 20<sup>th</sup>-25<sup>th</sup>, Madhya Pradesh, Gangetic West Bengal, Jharkhand during 23<sup>rd</sup>-26<sup>th</sup>, Odisha during 20<sup>th</sup>-26<sup>th</sup>, Bihar on 20<sup>th</sup> & 21<sup>st</sup> and during 24<sup>th</sup>-26<sup>th</sup> July
- ✓ Light/moderate rainfall at most/many places accompanied with thunderstorm & lightning likely over the region during next 7 days with **moderate cloud to ground lightning over Bihar on 20<sup>th</sup> July.**

#### **Northeast India:**

- ✓ Light/moderate rainfall at many places accompanied with **thunderstorm, lightning** likely to continue over Northeast India during next 7 days.
- ✓ Isolated **very heavy rainfall** over Arunachal Pradesh on 20<sup>th</sup> July with **heavy rainfall** very likely over Assam & Meghalaya during 20<sup>th</sup>-26<sup>th</sup>, Arunachal Pradesh during 20<sup>th</sup> -22<sup>nd</sup> and on 25<sup>th</sup> & 26<sup>th</sup>, Nagaland & Tripura on 20<sup>th</sup> & 21<sup>st</sup> and during 24<sup>th</sup> - 26<sup>th</sup> July with

#### **Fishermen Warnings:**

Fishermen are advised to avoid venturing into the following from 20<sup>th</sup> July to 25<sup>th</sup> July 2025 to the following Areas:

**Arabian Sea:** along and off south Konkan coast, along and off Goa for 22<sup>nd</sup> July; Along and off Gujarat coast and adjoining sea area, along and off Konkan coast for 23<sup>rd</sup> & 24<sup>th</sup> July; along and off the Kerala, Karnataka coasts, over Lakshadweep, Maldives, Comorin areas for 20<sup>th</sup> to 23<sup>rd</sup> July. Along and off the Somalia coast and adjoining sea areas, south Oman and adjoining Yemen coast & adjoining sea areas during 20<sup>th</sup> to 25<sup>th</sup> July; most parts of central Arabian Sea and adjoining, northern parts of south Arabian Sea for 20<sup>th</sup> to 24<sup>th</sup> July.

#### **Bay of Bengal:**

Along and off Tamil Nadu coast for 20<sup>th</sup> to 23<sup>rd</sup> July; south Odisha coast, North Bay of Bengal for 24<sup>th</sup> July; South Bay of Bengal, Over Andaman Sea during 20<sup>th</sup> & 25<sup>th</sup> July; southern parts of central Bay of Bengal for 20<sup>th</sup> July and Andhra Pradesh coast, most parts of central Bay of Bengal for 21<sup>st</sup> to 25<sup>th</sup> July; Over Gulf of Mannar for 20<sup>th</sup> to 23<sup>rd</sup> July.

Total suspension of fishing operations is suggested over above mentioned areas and dates.

#### **ii. Weather conditions and forecast over Delhi/NCR during 20<sup>th</sup> to 23<sup>rd</sup> July, 2025 (Annexure IV)**

**For more details, kindly refer National Weather Bulletin:**

[https://mausam.imd.gov.in/responsive/all\\_india\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php)

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

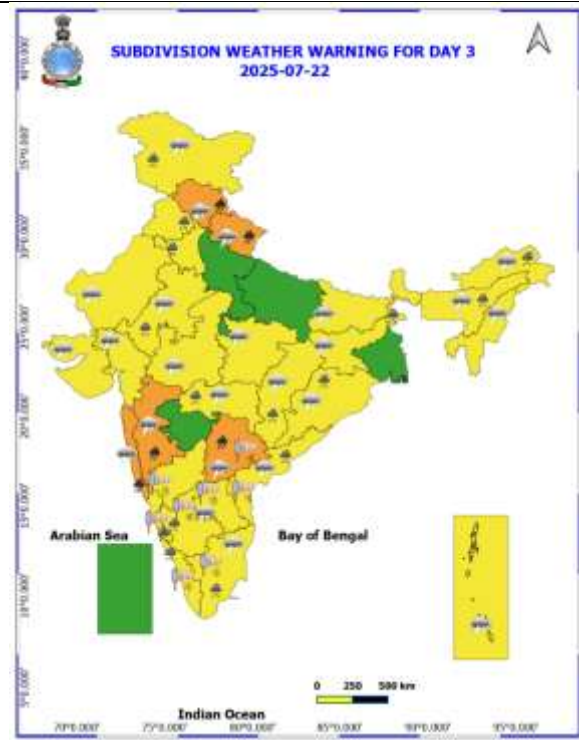
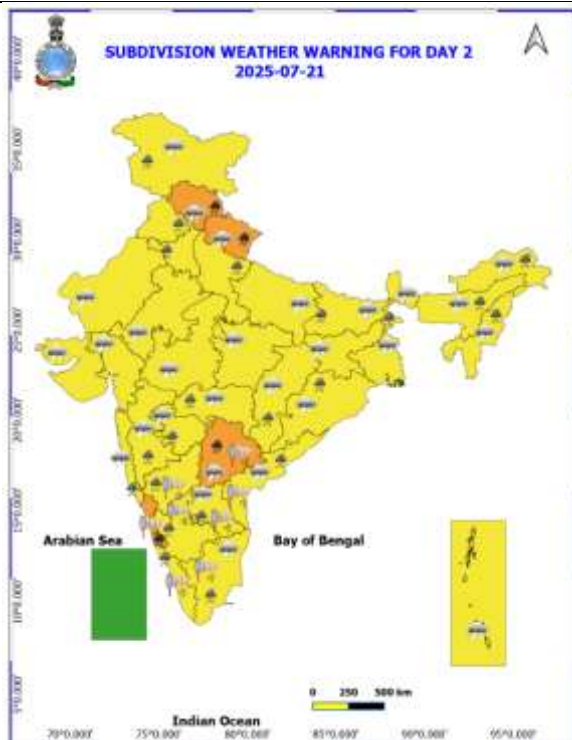
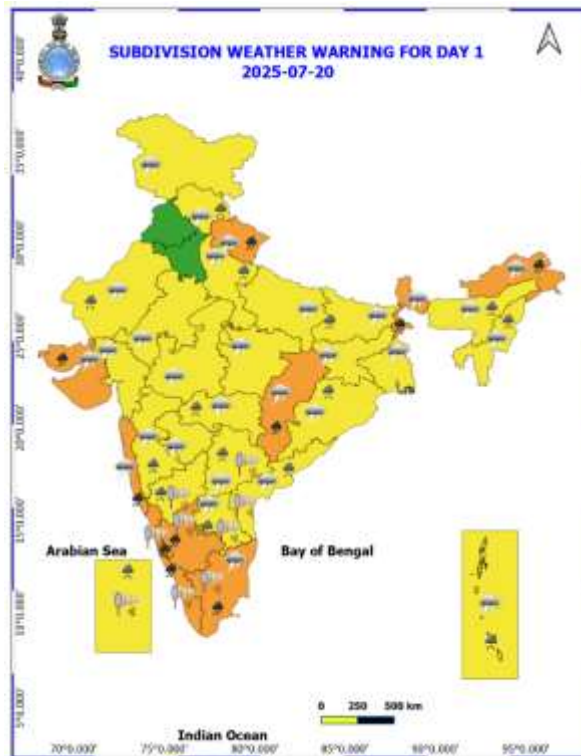
**Rainfall recorded (in cm) during past 24 hours till 0830 hours IST of today, the 20<sup>th</sup> July:**

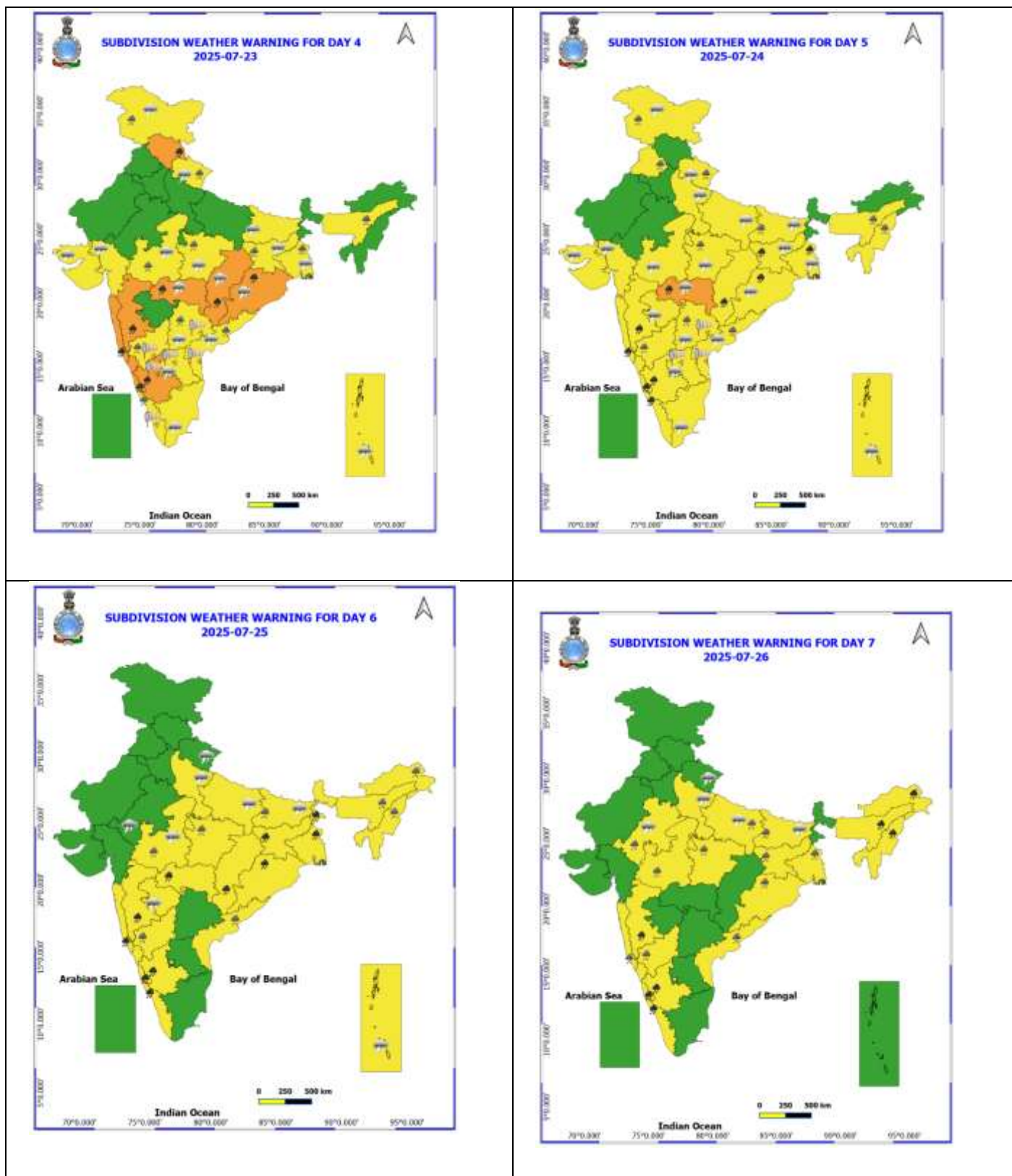
- ❖ **Sub Himalayan West Bengal & Sikkim:** Majherdabri Tea Garden (dist Alipurduar) 24; Falakata (dist Alipurduar) 23; Patkapara Tea Estate (dist Alipurduar) 20; Bhatkawa Tea Estate (dist Jalpaiguri) 19; Domohani (dist Jalpaiguri) 17; Neora (dist Jalpaiguri), Chalouni Tea Estate (dist Jalpaiguri), Diana Tea Estate (dist Jalpaiguri), Zurrantee T.e (dist Jalpaiguri), Jhallong (dist Kalimpong) 16 Each; Mekhliganj (dist Cooch Behar), Dharala Valley Tea Esta (dist Jalpaiguri), Soongachi T.e. (dist Jalpaiguri) 15 Each; Baradighi T.e. (dist Jalpaiguri), Kumlai T.e. (dist Jalpaiguri), Aryaman Tea Estate (dist Alipurduar) 14 Each; Barobhisha (dist Alipurduar), Mathabhanga (dist Cooch Behar), Chengmari/Diana (dist Jalpaiguri), Jalpaiguri (dist Jalpaiguri), Amfu Pundibari (dist Cooch Behar), Indong T.e. (dist Jalpaiguri) 13 Each; Buxaduar (dist Alipurduar), Alipurduar PTO (dist Alipurduar), Sankosh (dist Cooch Behar), Denguajhar Tea Garden (dist Jalpaiguri), Ghish (dist Jalpaiguri), Maynaguri College (dist Jalpaiguri), Nagarkata (dist Jalpaiguri), Newlands Tea Garden (dist Alipurduar) 12 Each; Murti (dist Jalpaiguri), Hasimara (dist Alipurduar), Gyalasing PTO (dist Gyalshing), Aibheel Tea Estate (dist Jalpaiguri), Good Hope Tea Estate (dist Jalpaiguri), Oodlabari Tea Estate (dist Jalpaiguri), Toorsa Tea Garden (dist Alipurduar) 11 Each; Nh31 Bridge (dist Jalpaiguri), Dentam (dist Gyalshing), Anandpur Tea Estate (dist Jalpaiguri), Banarhat High School (dist Jalpaiguri), Batabari T.e. (dist Jalpaiguri), Chel (dist Jalpaiguri), Gairkata Tea Estate (dist Jalpaiguri), Gandrapara Tea Garden (dist Jalpaiguri), Karballa Tea Estate (dist Jalpaiguri), Mogulkata Tea Estate (dist Jalpaiguri), Moraghat Tea Estate (dist Jalpaiguri), Palashbari Tea Estate (dist Jalpaiguri), Dhupguri (dist Jalpaiguri), Beech Tea Garden (dist Alipurduar), Kumargram Tea Estate (dist Alipurduar), Sankos Tea Estate (dist Alipurduar) 10 Each; Gajoldoba (dist Jalpaiguri), Chepan (dist Alipurduar), Damdim Tea Estate (dist Jalpaiguri), Hilla T.e. (dist Jalpaiguri), Kailashpur Tea Estate (dist Jalpaiguri), Noweranuddi Tea Garden (dist Jalpaiguri), Washabari Tea Estate (dist Jalpaiguri) 9 Each; Ravangla ARG (dist Namchi), Bhagatpur Tea Estate (dist Jalpaiguri), Ghatia T.e. (dist Jalpaiguri), Kurti T.e. (dist Jalpaiguri), Saraswatipur Tea Estate (dist Jalpaiguri), Tra Nagrakata (dist Jalpaiguri), Dalgaon Tea Estate (dist Alipurduar) 8 Each; Bagdogra IAF (dist Darjeeling), Damthang (dist Namchi), Jiti T.e. (dist Jalpaiguri), Leesh River Tea Garden (dist Jalpaiguri), Jaybirpara Tea Estate (dist Alipurduar) 7 Each;
- ❖ **Assam & Meghalaya:** Hazuah (dist Barpetta) 21; Tihu ARG (dist Nalbari) 13; Tura AWS (dist West Garo Hills) 12; Mushalpur AWS (dist Baksa) 9; Kokrajhar (dist Kokrajhar), Chamata ARG (dist Nalbari) 8 Each; Dhubri CWC (dist Dhubri), Gossaigaon AWS (dist Kokrajhar), Bajali AWS (dist Bajali) 7 Each;
- ❖ **West Rajasthan:** Balesar=18, Osian SR (dist Jodhpur) 10; Sayla SR (dist Jalore), Barmer (dist Barmer) 8 Each; Shiv (dist Barmer), Shergarh (dist Jodhpur), Pokhran (dist Jaisalmer), Khivensar SR (dist Nagaur), Gadra Road (dist Barmer), Pali (dist Pali), Nachna/lathi (dist Jaisalmer), Bhopalgarh SR (dist Jodhpur) 7 Each;
- ❖ **Bihar:** Raniganj (dist Araria) 16; Barhiya (dist Lakhisarai) 14; Gogri (dist Khagaria), Mohra (dist Gaya), Atri (dist Gaya), Mansi (dist Khagaria) 13 Each; Amarpur (dist Banka), Parbatta (dist Khagaria), Alauli (dist Khagaria), Chautham (dist Khagaria), Srinagar (dist Purnea) 12 Each; Khagadia (dist Khagaria), Sultanganj (dist Bhagalpur), Wazirganj (dist Gaya) 11 Each; Thakurganj (dist Kishanganj), Bakhari (dist Begusarai) 10 Each; Banmankhi (dist Purnea), Barauni (dist Begusarai), Bachwara (dist Begusarai), Sarmera (dist Nalanda), Bhagwanpur (dist Begusarai), Asthawan (dist Nalanda), Bind (dist Nalanda), Baisa (dist Purnea) 9 Each; Taibpur (dist Kishanganj), Araria (dist Araria), Amaur (dist Purnea), Jalalgarh (dist Purnea), Nathnagar (dist Bhagalpur) 8 Each; Forbesganj (dist Araria), Tarapur (dist Monghyr), Shambhuganj (dist Banka), Sonhaura (dist Bhagalpur), Silao (dist Nalanda), Katrisarai (dist Nalanda), Hoswari (dist Patna), Kasba (dist Purnea) 7 Each;
- ❖ **East Rajasthan:** Mounntabu Tehsil SR (dist Sirohi) 14;
- ❖ **Coastal Karnataka:** Karwar (dist Uttara Kannada) 12; Siddapura (dist Udupi) 9; Kota (dist Udupi) 8; Kumta (dist Uttara Kannada), Kundapur (dist Udupi) 7 Each;
- ❖ **Saurashtra & Kutch:** Ranavav (dist Porbandar), Porbandar (dist Porbandar) 11 Each; Manavadar (dist Junagadh) 7;
- ❖ **Konkan & Goa:** Canacona (dist South Goa) 11; Rajapur (dist Ratnagiri), Quepem (dist South Goa) 8 Each; Sanguem (dist South Goa), Chiplun (dist Ratnagiri), Rameshwar ARG (dist Sindhudurg), Poladpur (dist Raigad) 7 Each;
- ❖ **Chhattisgarh:** Nangur (dist Bastar) 11; Jagdalpur (dist Bastar) 9; Sukma (dist Sukma), Malkharoda (dist Sakti) 8 Each; Lohandiguda (dist Bastar), Orcha (dist Narayanpur), Hasaud (dist Sakti), Bhothiya (dist Sakti) 7 Each;
- ❖ **Odisha:** Atabira (dist Bargarh) 10; Jhorigam (dist Nawarangpur), Chendipada (dist Angul), Alipingal (dist Jagatsinghpur) 9 Each; Odagaon (dist Nayagarh) 8; Sohela (dist Bargarh), Bamra (dist Sambalpur), Salebhatta (dist Bolangir) 7 Each;
- ❖ **Gangetic West Bengal:** Uluberia (dist Howrah) 10; Nalhati (dist Birbhum), Alipore (dist Kolkata) 8 Each;
- ❖ **Telangana:** Atmakurwrgl (dist Hanumakonda), Sultanabad (dist Peddapalle) 10 Each; Karimnagar AP (dist Karimnagar) 8; Thimmapur (dist Karimnagar), Chandrugonda (dist B. Kothagudem), Sirpur (t) (dist Kumaram Bheem), Sangem (dist Warangal), Alampur (dist Jogulamba Gadwal) 7 Each;
- ❖ **Tamil Nadu, Puducherry & Karaikal:** Naduvattam (dist Nilgiris) 10; Chinnakalar (dist Coimbatore) 8;
- ❖ **Kerala & Mahe:** Kudulu (dist Kasargod) 9; Kumarakam (dist Kottayam), Cherthala (dist Alapuzha), Muliya AWS (dist Kasargod) 7 Each;
- ❖ **Nagaland, Manipur, Mizoram & Tripura:** Lengpui (dist Aizawl) 9.

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

- 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 districtwise Multi Hazard weather warning for next five days available at <https://mausam.imd.gov.in/responsive/districtWiseWarningGIS.php>

**Weather forecast over Delhi/NCR during 20<sup>th</sup> to 23<sup>th</sup> July 2025****Past Weather:**

There has been rise in the minimum temperature up to 1°C and no significance changes in maximum temperature over Delhi/NCR during the past 24 hours. The maximum and minimum temperatures over Delhi were around 33 to 34°C and 24 to 26°C respectively. The minimum temperature was below normal up to 1°C and the maximum temperature was below normal up to 1 to 2°C. Partly cloudy sky conditions with predominant surface wind from the southeast direction with wind speeds up to 16 kmph prevailed during the past 24 hours. Partly cloudy sky conditions with a windspeed of less than 10 kmph from the southwest direction prevailed over the region in the forenoon today.

**Weather Forecast:**

**20.07.2025:** Partly cloudy sky. Very light rain. The maximum temperatures over Delhi are likely to be in the range of 34 to 36°C. The maximum temperature will be above normal up to 1 to 2°C. The predominant surface wind will likely be from the southwest direction with a wind speed of less than 15 kmph in the afternoon. The wind speed will gradually decrease becoming 15-20 kmph from the southwest direction during evening and night.

**21.07.2025:** Partly cloudy sky becoming generally cloudy sky. Very light to light rain accompanied with thunderstorms/lightning. The maximum and minimum temperatures over Delhi are likely to be in the range of 32 to 34°C and 26 to 28°C respectively. The minimum temperature will be near normal and the maximum temperature will be below normal up to 1 to 2°C. The predominant surface wind will likely be from the southwest direction with a wind speed of less than 15 kmph during the morning hours. The wind speed will gradually decrease becoming less than 10 kmph from the southwest direction in the afternoon. It will decrease becoming less than 08 kmph from the southeast direction during the evening and night.

**22.07.2025:** Generally cloudy sky. Very light to light rain accompanied with thunderstorms/lightning. The maximum and minimum temperatures over Delhi are likely to be in the range of 31 to 33°C and 24 to 26°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 3 to 5°C. The predominant surface wind will likely be from the southwest direction with a wind speed of less than 15 kmph during the morning hours. The wind speed will gradually decrease becoming less than 12 kmph from the south direction in the afternoon. It will increase becoming less than 16 kmph from the southeast direction during the evening and night.

**23.07.2025:** Partly cloudy sky. Very light to light rain accompanied with thunderstorms/lightning. The maximum and minimum temperatures over Delhi are likely to be in the range of 32 to 34°C and 24 to 26°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 1 to 3°C. The predominant surface wind will likely be from the southwest direction with a wind speed of less than 20 kmph during the morning hours. The wind speed will gradually decrease becoming less than 12 kmph from the southeast direction in the afternoon. It will increase becoming less than 15 kmph from the west direction during the evening and night.

**Impact expected and Action Suggested due to light rainfall with thunderstorm/lightning:**

- Be cautious and take precautionary measures, though there is the likelihood of thunderstorms/lightning.
- 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

- ✓ **Very heavy rainfall over** Saurashtra & Kutch, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh on 20<sup>th</sup>, Uttarakhand, Tamil Nadu during 20<sup>th</sup>-22<sup>th</sup>, Himachal Pradesh during 21<sup>st</sup>-23<sup>rd</sup> Konkan & Goa, Ghat areas of Madhya Maharashtra, Kerala & Mahe, Coastal and South Interior Karnataka during 20<sup>th</sup>-26<sup>th</sup>; Telangana during 20<sup>th</sup>-24<sup>th</sup> July **Vidarbha, Chhattisgarh, Odisha, Gangetic West Bengal during 23<sup>rd</sup>-25<sup>th</sup> July**

### Impact Expected

- Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of **(Rajasthan and West Madhya Pradesh)** 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 kutch 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 Rainfall

- In **Sub-Himalayan West Bengal**, maintain proper drainage in *kharif* rice, jute and vegetables in **Terai Zone**. Maintain proper drainage channels to remove excess water from the rice fields, ginger, vegetables and fruit orchards in **Hill Zone**.
- In **Bihar**, drain out excess water from paddy nurseries, maize, pigeon pea, finger millet, horticulture and vegetables crops.
- In **Odisha**, drain out excess water from rice nurseries and fields of transplanted rice, maize, pulses, vegetable and plantation crops.
- In **Rajasthan**, drain out excess water from already sown green gram, sesame, moth bean, cluster bean and pearl millet crops in **Arid Western Plain Zone**. Make arrangement to drain out excess water from the fields of already sown sugarcane, banana, rice, maize, cotton, soybean, and groundnut fields in **Sub Humid Southern Plain and Aravali Hill Zone**. Ensure proper drainage facilities to remove excess water from fields of already sown crops of sorghum, maize, mung bean, cluster bean, cowpea, moth bean, and pearl millet in **Semi Arid Eastern Plain Zone**.
- In **Uttarakhand**, maintain proper drainage channels in rice field in **Bhabar and Tarai Zone**. Maintain proper drainage channels in black gram in **Hill Zone**. Make necessary arrangements to drain out excess water from barnyard millet, finger millet, cucumber and rice fields in **Sub Humid SubTropic Zone**.
- In **Himachal Pradesh**, make proper drainage channels in the standing crops like maize, finger millet and vegetable fields. Provide staking to tall and leguminous crops and cucumber vines. In **Mid Hills Sub Humid Zone**, undertake harvesting of matured tomato, brinjal, capsicum and fruits and keep the harvested produce at safer places.
- In **Arunachal Pradesh**, keep the harvested soybean crop at safer places. Postpone sowing / transplanting of millet and transplanting of rice during heavy rainfall. Maintain drainage in already sown / transplanted finger millet, orchards, vegetables and transplanted rice. Cover the nursery bed of millet with plastic sheet or shed, and cover the surface of already sown seed with light layer of natural mulches like leaves.
- In **Meghalaya**, maintain proper drainage channels around the nursery beds of rice. Ensure adequate drainage in maize, cow pea, okra, brinjal and pumpkin crop fields to prevent waterlogging. Provide support to banana plant to prevent lodging.
- In **Tamilnadu**, provide drainage in rice nursery and recently transplanted rice fields in **Western Zone**; sorghum, sugarcane, maize, rice, banana and coconut fields in **Southern Zone** and standing crops in **High altitude Hilly Zone**. Provide support to banana plants in **Cauvery Delta Zone**.
- In **Kerala**, provide mechanical support to protect banana plants. Ensure proper drainage facilities in banana, coconut and rice in **Central Zone**; banana, coconut, ginger and vegetable fields in **Southern Zone** and rice nursery in **High Altitude Zone**. In **Northern Zone**, postpone sowing / nursery preparation for transplanting of rice.
- **Karnataka** - In **Coastal Zone**, postpone nursery sowing of rice and provide drainage in arecanut fields and banana orchards. In **Hill Zone**, make arrangements to drain out excess water from rice nurseries, fields of maize, cotton, ginger and plantations of arecanut. In **Southern Transition Zone**, provide proper drainage in arecanut and coconut fields. Cover young seedlings in rice nursery and vegetables with coverings like plastic sheets or agro-shade nets. Postpone transplanting of rice. In **Southern Dry Zone**, provide staking / support to maize, tomato and banana crop. Ensure proper drainage to prevent waterlogging especially in rice, vegetables and spice crops. Cover young rice seedlings with plastic sheets or agro-shade nets and postpone transplanting.
- In **Konkan**, make arrangement to drain out excess water from rice and finger millet nurseries, groundnut, vegetables and orchards. In *ghat areas* of **Madhya Maharashtra** drain out excess water from rice and finger millet nurseries.



- In **Chhattisgarh**, make arrangements for drainage of excess water from fields of rice, maize, pigeon pea, minor millets and vegetables. Provide mechanical support to tall/weak crops with stakes or bamboo to prevent lodging or breakage.

#### Livestock / Fishery

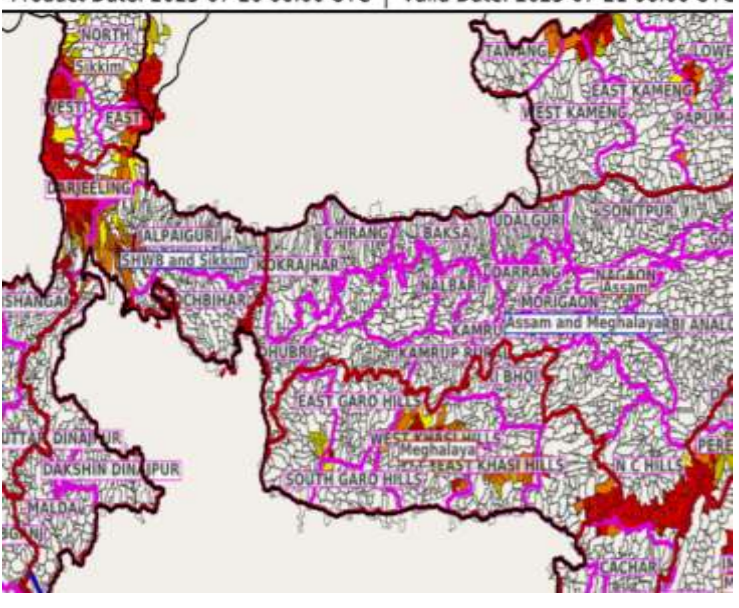
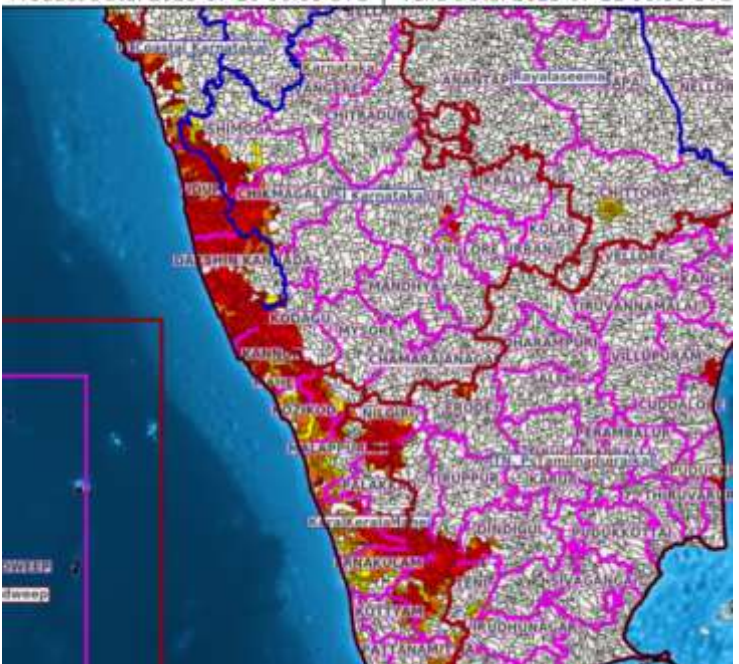
- Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- Store feed and fodder in a safe place to prevent spoilage.
- Construct an outlet with proper netting around the ponds to drain out excess water, thereby preventing fish from escaping in case of overflow.

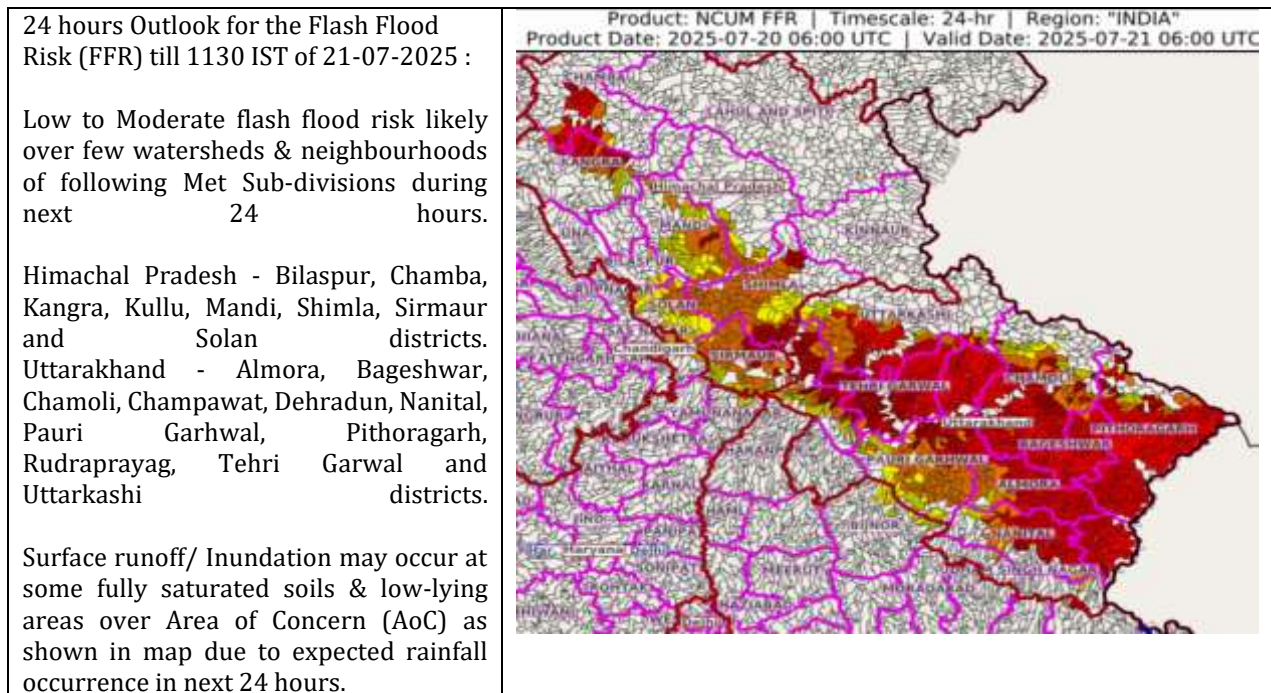
#### Agromet advisories for likely impact of Thunderstorm / Gusty Winds / Squally Winds

(Based on the IBF and advisories issued by different AMFUs)

- 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.

#### Flash flood guidance:

<p>24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 21-07-2025 :</p> <p>Moderate flash flood risk likely over few watersheds &amp; neighbourhoods of following Met Sub-divisions during next 24 hours.</p> <p>Assam &amp; Meghalaya - Cachar, N.C Hills, East Garo Hills, East Khasi Hills, North Garo Hills, South Garo Hills, West Khasi Hills and Jaintia Hills districts.</p> <p>Sub-Himalayan West Bengal &amp; Sikkim - East Sikkim, North Sikkim, West Sikkim, Darjeeling, Jalpaiguri and Uttar_Dinajpur districts.</p> <p>Surface runoff/ Inundation may occur at some fully saturated soils &amp; low-lying areas over Area of Concern (AoC) as shown in map due to expected rainfall occurrence in next 24 hours.</p>	<p>Product: GFS FFR   Timescale: 24-hr   Region: "INDIA"</p> <p>Product Date: 2025-07-20 06:00 UTC   Valid Date: 2025-07-21 06:00 UTC</p> 
<p>24 hours Outlook for the Flash Flood Risk (FFR) till 1130 IST of 21-07-2025 :</p> <p>Low to Moderate flash flood risk likely over few watersheds &amp; neighbourhoods of following Met Sub-divisions during next 24 hours.</p> <p>Coastal Karnataka - Dakshin Kannada, Udupi and Uttar Kannada districts.</p> <p>Kerala &amp; Mahe - Alappuzha, Ernakulam, Idukki, Kannur, Kasargod, Kottayam, Kozikod, Mahe, Malappuram, Palakkad, Pattanamittia, Trishur and Wayanad districts.</p> <p>Surface runoff/ Inundation may occur at some fully saturated soils &amp; low-lying areas over Area of Concern (AoC) as shown in map due to expected rainfall occurrence in next 24 hours.</p>	<p>Product: GFS FFR   Timescale: 24-hr   Region: "INDIA"</p> <p>Product Date: 2025-07-20 06:00 UTC   Valid Date: 2025-07-21 06:00 UTC</p> 



### 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 Marathwada.
  - **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 \*

Heavy: 64.5 to 115.5 mm/cm \*  
Very Heavy: 115.6 to 204.4 mm/cm \*  
Extremely Heavy: > 204.4 mm/cm \*

#### Heat Wave

When maximum temperature of a station reaches  $\geq 40^{\circ}\text{C}$  for plains and  $\geq 30^{\circ}\text{C}$  for hilly regions  
(a) Based on Departure from normal

Heat Wave: Maximum Temperature Departure from normal  $4.5^{\circ}\text{C}$  to  $6.4^{\circ}\text{C}$ .

Severe Heat Wave: Maximum Temperature Departure from normal  $\geq 6.5^{\circ}\text{C}$

(b). Based on Actual maximum temperature

Heat Wave: When actual maximum temperature  $\geq 45^{\circ}\text{C}$ .

Severe Heat Wave: When actual maximum temperature  $\geq 47^{\circ}\text{C}$ .

(c). Criteria for heat wave for coastal stations

When maximum temperature departure is  $> 4.5^{\circ}\text{C}$  from normal. Heat Wave may be described provided maximum temperature  $\geq 37^{\circ}\text{C}$ .

#### Warm Night

When maximum temperature remains  $40^{\circ}\text{C}$

Warm Night: When minimum temperature departure  $4.5^{\circ}\text{C}$  to  $6.4^{\circ}\text{C}$ .

Severe Warm Night: When minimum temperature departure  $> 6.4^{\circ}\text{C}$ .

#### Cold Wave

When minimum temperature of a station  $\leq 10^{\circ}\text{C}$  for plains and  $\leq 0^{\circ}\text{C}$  for hilly regions.

(a). Based on departure

Cold Wave: Minimum Temperature Departure from normal  $-4.5^{\circ}\text{C}$  to  $-6.4^{\circ}\text{C}$ .

Severe Cold Wave: Minimum Temperature Departure from normal  $\leq -6.5^{\circ}\text{C}$

(b) Based on actual Minimum Temperature (for Plains only)

Cold Wave: When Minimum Temperature is  $\leq 4.0^{\circ}\text{C}$

Severe Cold Wave: When Minimum Temperature is  $\leq 2.0^{\circ}\text{C}$

(c) For Coastal Stations

When Minimum Temperature departure is  $\leq -4.5^{\circ}\text{C}$  & actual Minimum Temperature is  $\leq 15^{\circ}\text{C}$

#### Cold Day

When minimum temperature of a station  $\leq 10^{\circ}\text{C}$  for plains and  $\leq 0^{\circ}\text{C}$  for hilly regions

Based on departure

Cold Day: Maximum Temperature Departure from normal  $-4.5^{\circ}\text{C}$  to  $-6.4^{\circ}\text{C}$ .

Severe Cold Day: Maximum Temperature Departure from normal  $\leq -6.5^{\circ}\text{C}$

#### Fog

Phenomenon of small droplets suspended in air and the horizontal visibility  $< 1\text{km}$

Moderate Fog: When the visibility between 500-200 metres

Dense Fog: when the visibility between 50- 200 metres

Very Dense Fog: when the visibility  $< 50$  metres

#### Thunderstorm

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.

#### Frost

Ice deposits on ground

Air temperature  $\leq 4^{\circ}\text{C}$  ( over Plains)

#### Squall

A strong wind that rises suddenly, lasts for atleast 1 minute.

Moderate: Wind speed 52-61 kmph

Severe: Wind speed 62-67 kmph

Very Severe: Wind speed  $> 67$  kmph

#### Sea State

Effect of various waves in the sea over specific area

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

#### Cyclone

Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots)

Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots)

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 Storm: Wind speed  $> 220$  kmph ( $> 119$  knots)

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**Hot and Humid:** When maximum temperatures remain  $3^{\circ}\text{C}$  above normal along with the above normal relative humidity.