



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 15th July 2026

Time of Issue: 1320 hours IST

- Subject: (i) Under the influence of Low Pressure area over northwest Bay of Bengal and adjoining north Odisha -West Bengal coasts, enhanced rainfall activity with isolated heavy falls over East & Northeast India, East Uttar Pradesh and Western Himalayan Region during next 7 days. Isolated extremely heavy rainfall also likely over Odisha on 15th and isolated heavy to very heavy falls on 16th & 17th July, 2026.**
- (ii) Subdued rainfall activity likely over westcentral & south Peninsular India during next 7 days and over plains of northwest India during next 5 days.**

Realised weather during past 24 hours ending at 0830 hours IST of today, the 15th July, 2026:

- ❖ **Very Heavy rainfall (12-20 cm)** has been recorded over Odisha, Tripura.
- ❖ **Heavy rainfall (7-11 cm)** has been recorded over Uttarakhand, East Uttar Pradesh, Jharkhand, Assam, Arunachal Pradesh and Bihar.
- ❖ **Thunderstorm accompanied with Squally/Gusty winds with speed reaching 60-80 kmph** at isolated places over Andaman & Nicobar Islands, Tamil Nadu, Puducherry & Karaikal **with speed reaching 40-60 kmph** at isolated places over Gangetic West Bengal, Odisha, Jharkhand, Bihar, East Rajasthan, West Uttar Pradesh, Madhya Maharashtra, Gujarat State, Coastal Andhra Pradesh & Yanam, Telangana, Kerala & Mahe, Rayalaseema, South Interior Karnataka, Madhya Pradesh, Chhattisgarh.

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

- ❖ Under the influence of cyclonic circulation over north Bay of Bengal, a Low Pressure Area formed over Northwest Bay of Bengal off north Odisha -West Bengal at 0530 hours IST of today, it lay over Northwest Bay of Bengal and adjoining North Odisha -West Bengal coasts at 0830 hrs IST of today, 15th July, 2026. It is very likely become more marked and move northwestwards across north Odisha & Gangetic West Bengal during next 2 days.
- ❖ The western end of the **Monsoon trough** at mean sea level is north its normal position and its eastern end is near its normal position.
- ❖ The Western Disturbance as a cyclonic circulation over North Pakistan & adjoining Jammu in lower and middle tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over East Uttar Pradesh & neighbourhood in middle tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over East Uttar Pradesh & adjacent parts of Bihar in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over Northwest Uttar Pradesh & neighbourhood in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over East Assam & neighbourhood in lower tropospheric level.
- ❖ A fresh **western Disturbance** is likely to affects Northwest India from 19th July.

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

Northwest India:

- ❖ **Isolated to Scattered** rainfall likely over Himachal Pradesh and Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 15th-17th July; Uttarakhand during 15th-16th July.
- ❖ **Isolated to Scattered** rainfall likely over Punjab during 15th-19th July; Haryana Chandigarh & Delhi during 15th-20th July; West Uttar Pradesh during 15th-18th July; East Uttar Pradesh during 15th-17th July; East Rajasthan and West Rajasthan during 15th-21st July.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Himachal Pradesh and Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 18th-21st July; Uttarakhand during 17th-21st July.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Punjab during 20th-21st July; Haryana Chandigarh & Delhi on 21st July; West Uttar Pradesh during 19th-21st July; East Uttar Pradesh during 18th-21st July.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 15th-21st July.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Haryana Chandigarh & Delhi and Punjab on 15th July.
- ❖ Isolated **thunderstorm & lightning** likely over Uttarakhand during 15th-21st July.

- ❖ Isolated **heavy rainfall** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and West Uttar Pradesh during 19th-21st July; Himachal Pradesh during 18th-19th July; Uttarakhand during 15th-19th July; Haryana Chandigarh & Delhi and Punjab during 20th-21st July; East Uttar Pradesh during 17th-21st July with isolated **very heavy rainfall** also likely over Himachal Pradesh and Uttarakhand during 20th-21st July.

Central India:

- ❖ **Isolated to Scattered** rainfall likely over Vidarbha and West Madhya Pradesh during 15th-21st July; East Madhya Pradesh during 15th-19th July.
- ❖ **Fairly Widespread to Widespread** rainfall likely over East Madhya Pradesh during 20th-21st July; Chhattisgarh during 15th-21st July.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over West Madhya Pradesh during 16th-19th July; East Madhya Pradesh during 15th-19th July.
- ❖ Isolated **thunderstorm & lightning** likely over Vidarbha during 18th-19th July; Chhattisgarh during 15th-19th July.
- ❖ Isolated **heavy rainfall** likely over East Madhya Pradesh during 18th-19th July; Chhattisgarh during 16th-17th July with isolated **very heavy rainfall** also likely over Chhattisgarh on 15th July.

East India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Andaman & Nicobar Islands on 15th July; Gangetic West Bengal, Jharkhand and Sub-Himalayan West Bengal & Sikkim during 15th-21st July; Bihar during 17th-20th July; Odisha during 15th-18th July.
- ❖ **Isolated to Scattered** rainfall likely over Andaman & Nicobar Islands during 16th-21st July; Bihar during 15th-16th July and on 21st July; Odisha during 19th-21st July.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Andaman & Nicobar Islands during 15th-16th July; Gangetic West Bengal during 15th-18th July; Jharkhand during 15th-19th July, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Andaman & Nicobar Islands during 17th-21st July; Gangetic West Bengal during 19th-21st July; Bihar during 15th-21st July.
- ❖ Isolated **thunderstorm & lightning** likely over Sub-Himalayan West Bengal & Sikkim during 15th-21st July.
- ❖ Isolated **heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim during 15th-18th July and on 21st July; Gangetic West Bengal on 15th July and during 17th-19th July; Jharkhand during 15th-18th July; Bihar during 15th-17th July and on 21st July; Odisha on 15th July and during 18th-19th July with isolated **very heavy rainfall** also likely over Sub-Himalayan West Bengal & Sikkim during 19th-20th July; Gangetic West Bengal on 16th July; Bihar during 18th-20th July; Odisha during 16th-17th July.
- ❖ **Heavy to very heavy rainfall at few places with extremely heavy rainfall likely at isolated places over Odisha on 15th July.**

Northeast India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 15th-21st July.
- ❖ Isolated **thunderstorm & lightning** likely over Arunachal Pradesh during 15th-16th July; Assam & Meghalaya during 15th-19th July; Nagaland, Manipur, Mizoram & Tripura during 15th-17th July.
- ❖ Isolated **heavy rainfall** likely over Arunachal Pradesh during 17th-21st July; Assam & Meghalaya during 16th-21st July; Nagaland, Manipur, Mizoram & Tripura during 15th-19th July with isolated **very heavy rainfall** also likely over Arunachal Pradesh during 15th-16th July; Assam & Meghalaya on 15th July.

West India:

- ❖ **Fairly Widespread to Widespread** rainfall likely over Konkan & Goa during 15th-21st July.
- ❖ **Isolated to Scattered** rainfall likely over Gujarat Region, Madhya Maharashtra, Marathwada and Saurashtra & Kutch during 15th-21st July.
- ❖ Isolated **thunderstorm & lightning** likely over Konkan & Goa on 15th July; Madhya Maharashtra and Marathwada during 15th-16th July.

South Peninsular India:

- ❖ **Isolated to Scattered** rainfall likely over Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal and Telangana during 15th-21st July; Kerala & Mahe during 15th-16th July and on 21st July; Lakshadweep on 17th July and on 21st July; Coastal Karnataka during 15th-17th July; North Interior Karnataka, Rayalaseema and South Interior Karnataka during 16th-21st July.
- ❖ **Fairly Widespread to Widespread** rainfall likely over Kerala & Mahe during 17th-20th July; Lakshadweep during 18th-20th July; Coastal Karnataka during 18th-21st July.
- ❖ Isolated **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph gusting to 60 kmph)** likely over Coastal Andhra Pradesh & Yanam during 15th-19th July; Rayalaseema on 16th July, **with gusty winds (speed reaching 30-40 kmph gusting to 50 kmph)** likely over Coastal Karnataka during 15th-21st July; North Interior Karnataka and South Interior Karnataka during 16th-21st July; Rayalaseema during 17th-19th July; Telangana during 15th-19th July.

- ❖ Strong Surface Winds likely over Coastal Karnataka, North Interior Karnataka and South Interior Karnataka during 15th-21st July; Coastal Andhra Pradesh & Yanam and Telangana during 15th-19th July; Rayalaseema during 15th-16th July.

Heat Wave, Hot & Humid weather and Warm Night conditions warning:

- ❖ **Heat wave** conditions very likely in isolated pockets over Coastal Andhra Pradesh & Yanam, Rayalaseema and Tamil Nadu, Puducherry & Karaikal during 15th-16th July.
- ❖ **Hot and humid** weather conditions likely to prevail over Haryana Chandigarh & Delhi and Punjab during 15th-17th July; Coastal Karnataka, East Uttar Pradesh, Telangana and West Uttar Pradesh during 15th-16th July; Coastal Andhra Pradesh & Yanam, Rayalaseema and Tamil Nadu, Puducherry & Karaikal on 17th July.

Fishermen Warning:

- ❖ **Arabian Sea:** Along and off Somalia, Oman, over most parts of west central adjoining east central, & some parts of north & south west Arabian Sea during 15th to 20th July; along and off north Gujarat and adjoining south Gujarat during 17th to 20th July.
- ❖ **Bay of Bengal:** Along and off south Sri Lanka adjoining few parts of southwest Bay of Bengal and Gulf of Mannar and over Andaman Sea during 15th to 17th July; over many parts of central and south Bay of Bengal adjoining south Sri Lanka coast during 18th to 20th July, along and off Odisha coasts during 15th to 18th July; Gangetic West Bengal coasts adjoining sea areas during 15th to 19th July. many parts of north Bay of Bengal and some parts of Central Bay of Bengal during 15th to 17th July.

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

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):

- ❖ **Tripura:** Kumarghat(Unakoti) 15
- ❖ **Odisha:** Puri 14;
- ❖ **Assam:** Tinsukia 11
- ❖ **Uttarakhand:** Kathgodam 10;
- ❖ **East Uttar Pradesh:** Akbarpur FMO (Ambedkar Nagar)8;
- ❖ **Jharkhand:** Jamtara 9;
- ❖ **Bihar:** Maharajganj 8;
- ❖ **Arunachal Pradesh:** Banderdewa (Org) 8

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

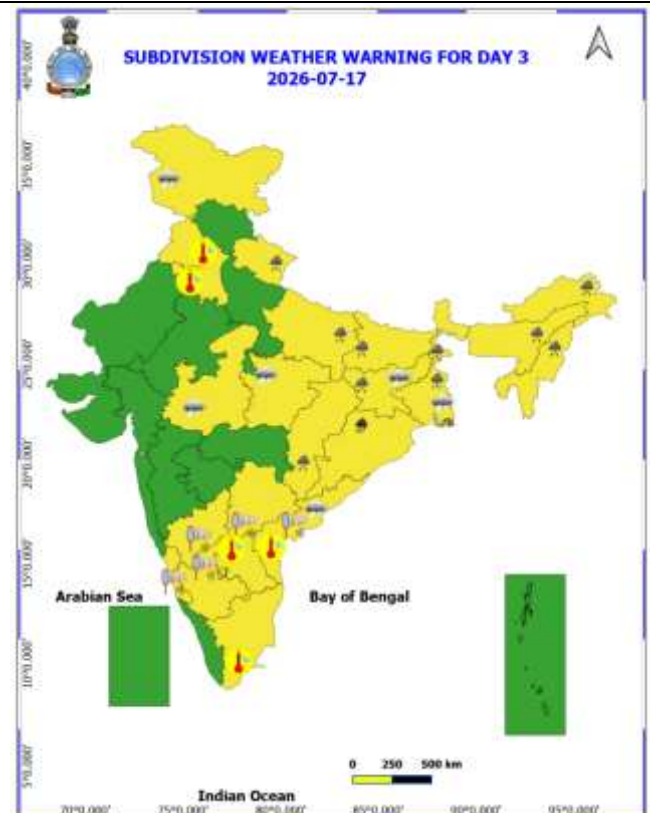
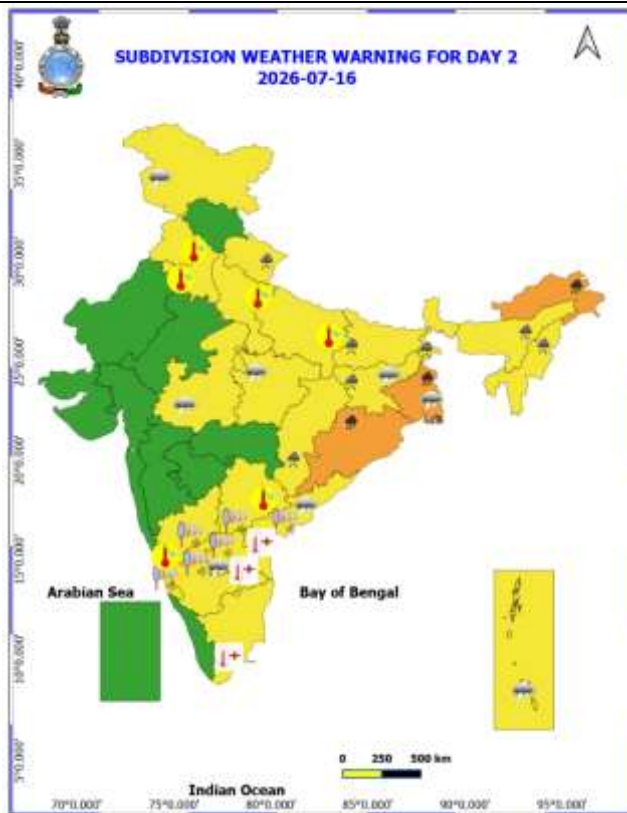
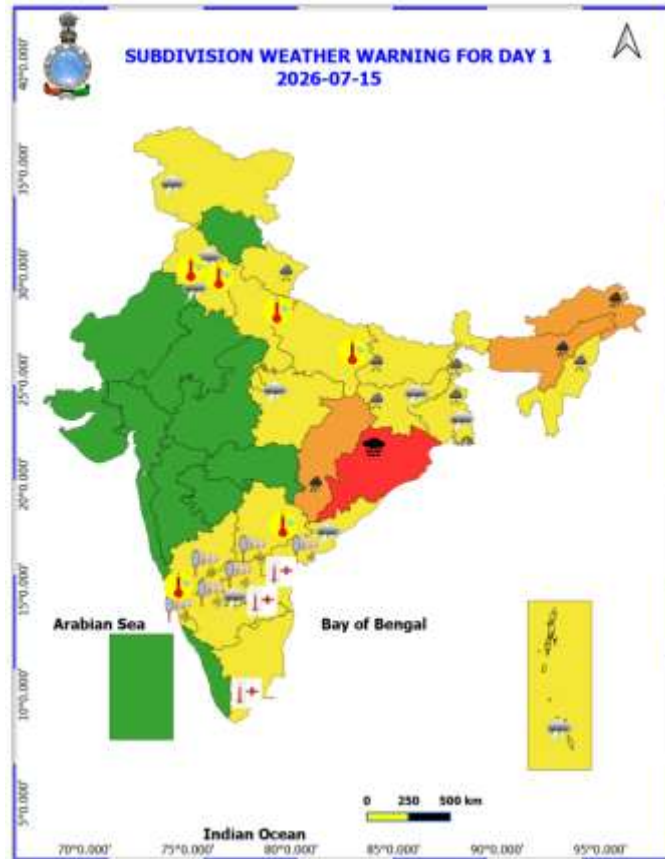
- ❖ **Tamil Nadu, Puducherry & Karaikal:** Tenkasi - 72
- ❖ **Andaman & Nicobar Islands:** Sri Vijayapuram - 63
- ❖ **Madhya Maharashtra:** Kalwan (Nashik) - 56; Baramati (Pune) - 50
- ❖ **Odisha:** Koraput - 54
- ❖ **Jharkhand:** Saraikela - 52
- ❖ **Chhattisgarh:** Korba - 52; Surajpur - 37; Bilaspur - 35; Mungeli - 31
- ❖ **East Rajasthan:** Ajmer - 48; Sirohi - 46; Pilani - 37; Pratapgarh - 35
- ❖ **West Madhya Pradesh:** 20 Station-Indore - 48
- ❖ **Bihar:** Patna - 46
- ❖ **Vidarbha:** 05-Station-Yavatmal - 46; Akola - 46; Wardha - 43; Buldhana - 37; Sindewahi - 31
- ❖ **Gangetic West Bengal:** Nandakumar - 44
- ❖ **West Uttar Pradesh:** Bulandshahar(AWS) - 44; Shamli(AWS) - 43; Gb Nagar(AWS) - 37
- ❖ **East Madhya Pradesh:** 07-Station-Sagar - 43; Jabalapur - 41; Rewa - 37
- ❖ **Jammu-Kashmir & Ladakh:** Poonch - 37; Jmu & Chatha - 35; Shopian - 31
- ❖ **Uttarakhand:** Maldevta - 37
- ❖ **Marathwada:** Ambejogai (Beed) - 37; Chakur (Latur) - 37
- ❖ **Konkan & Goa:** Karjat (Raigad) - 35; Palghar - 30
- ❖ **East Uttar Pradesh:** Ballia(AWS) - 33
- ❖ **Coastal Andhra Pradesh & Yanam:** Guntur 50
- ❖ **Rayalaseema:** Tirupati 48

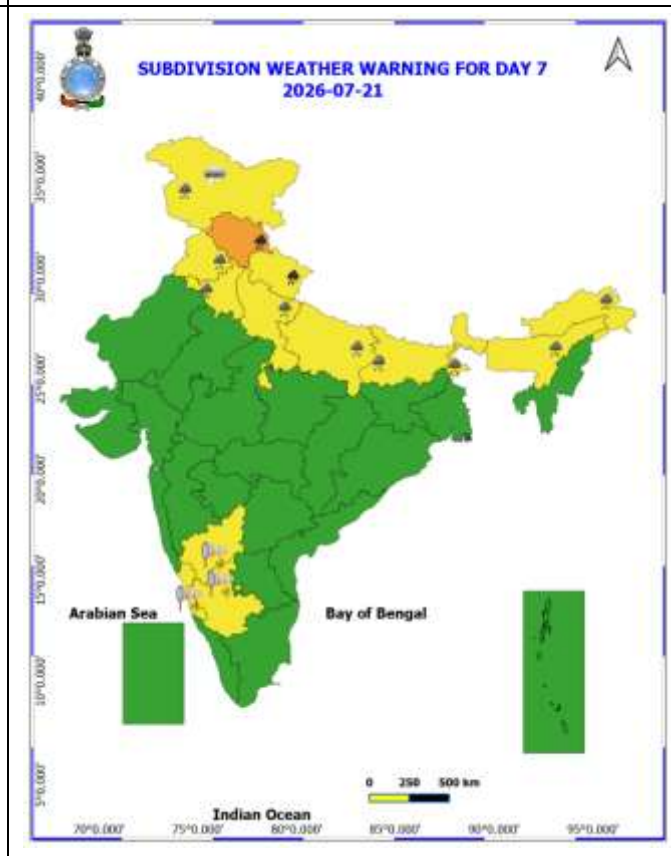
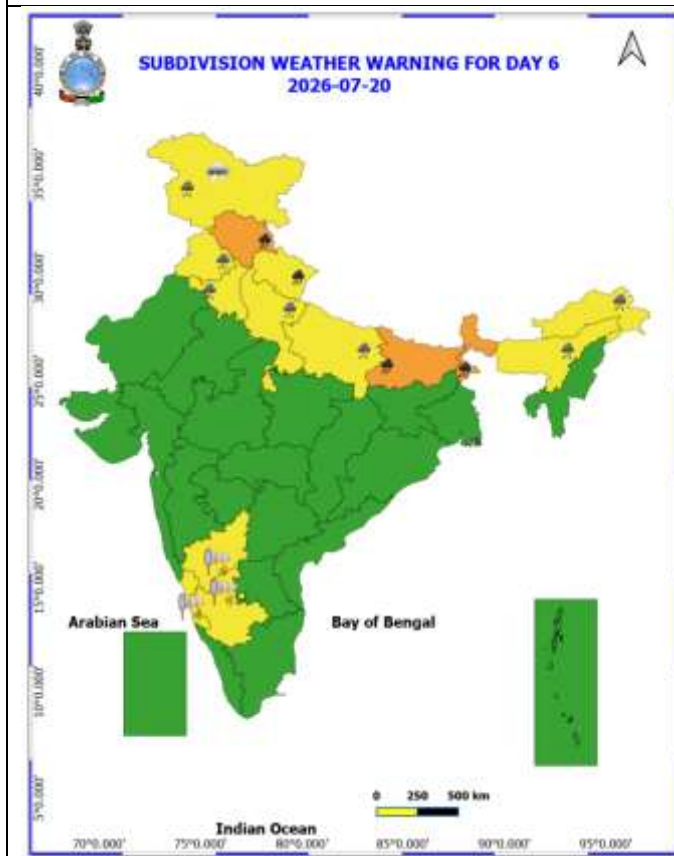
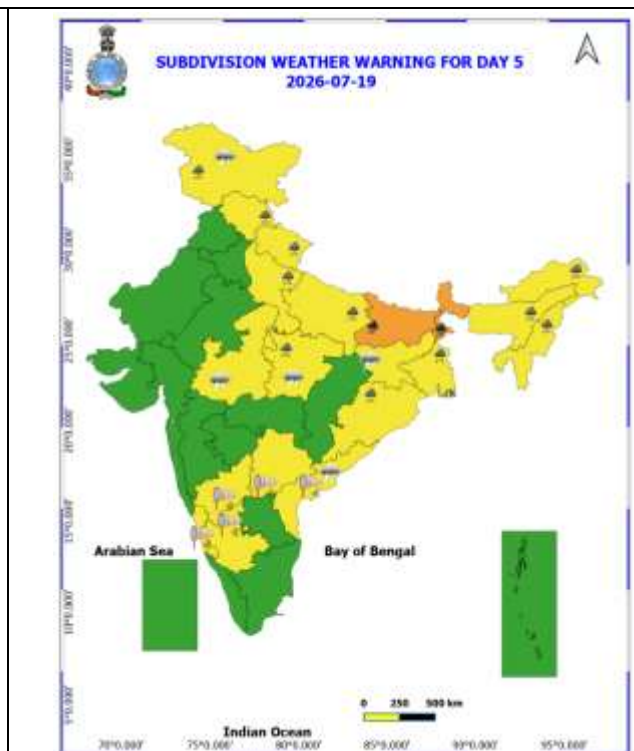
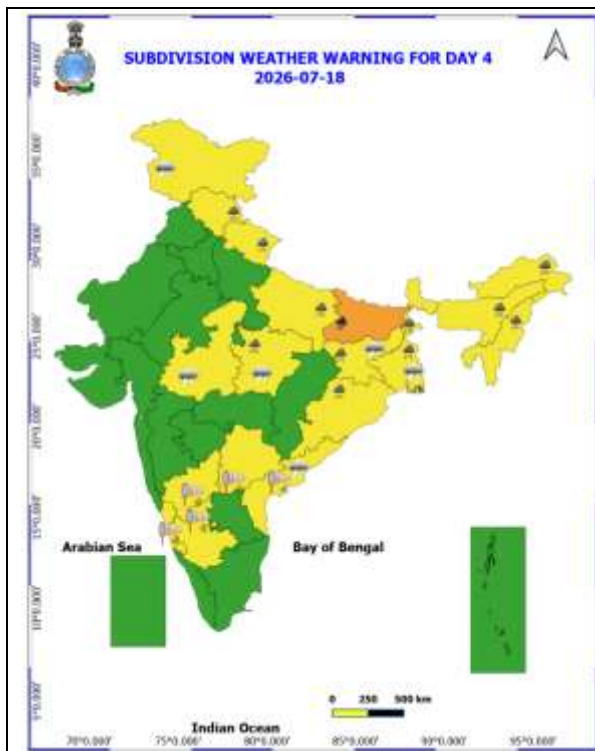
- ❖ **North Interior Karnataka:** Raichur 52
- ❖ **Kerala & Mahe:** Tiruvananthapuram 46
- ❖ **Telangana:** Rangareddy 50

Annexure I

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

Weather forecast over Delhi/NCR during 15th to 18th July 2026**Past Weather:**

There has been no large change in maximum and minimum temperatures over Delhi during past 24 hours. The maximum temperatures were in the range of 38-39°C and the minimum temperatures are in the range 24-29°C respectively during past 24 hours over Delhi. The minimum temperatures are below normal (-1.6°C to -3.0°C) at isolated places, above normal (1.6°C to 3.0°C) at a few places and normal (-1.5 to 1.5°C) over the remaining parts of Delhi. The maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places and above normal (1.6°C to 3.0°C) over the remaining parts of Delhi. Partly cloudy sky with surface wind speed 16 kmph gusting to 36 kmph from the west direction prevailed over Delhi during past 24 hours. Very light to light rain was recorded at isolated places over Delhi during the past 24 hours. Partly cloudy sky with surface wind speeds up to 20 kmph likely to prevailed from the southwest direction over the region in the forenoon today.

Weather Forecast:

15.07.2026: Partly cloudy sky. Hot & humid conditions likely at isolated places during the day. A spell of very light to light rain at isolated places accompanied with strong surface winds speed reaching 20-30 gusting to 40 kmph towards afternoon/evening. The maximum temperatures over Delhi are likely to be in the range of 37-39°C. The maximum temperatures will be above normal (1.6°C to 3.0°C) at many places with appreciably above normal (3.1°C to 5.0°C) at isolated places over Delhi. The predominant surface wind is likely to be from the west direction with surface wind speed reaching up to 15 kmph during the afternoon hours. The wind speed will increase becoming up to 20 kmph from the west direction during evening and night.

16.07.2026: Partly cloudy sky. Hot & humid conditions likely at isolated places during the day. The maximum and minimum temperatures over Delhi are likely to be in the range of 37°C to 39°C and 27°C to 29°C, respectively. The minimum temperature will be near normal (-1.5°C to 1.5°C) at most places, and the maximum temperatures will be above normal (1.6°C to 3.0°C) at many places with appreciably above normal (3.1°C to 5.0°C) at isolated places over Delhi. The predominant surface wind is likely to be from west direction with surface wind speed reaching up to 25 kmph during the morning hours. The wind speed will decrease becoming up to 15 kmph from the west direction during the afternoon. The wind speed will increase becoming up to 20 kmph from the west direction during evening and night.

17.07.2026: Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 38°C to 40°C and 27°C to 29°C, respectively. The minimum temperature will be near normal (-1.5°C to 1.5°C) at isolated places with above normal (1.6°C to 3.0°C) at many places, and the maximum temperatures will be above normal (1.6°C to 3.0°C) at many places with appreciably above normal (3.1°C to 5.0°C) at isolated places over Delhi. The predominant surface wind is likely to be from west direction with surface wind speed reaching up to 25 kmph during the morning hours. The wind speed will decrease becoming up to 15 kmph from the west direction during the afternoon. The wind speed will increase becoming up to 20 kmph from the west direction during evening and night.

18.07.2026: Partly cloudy sky becoming generally cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 35°C to 37°C and 27°C to 29°C, respectively. The minimum temperature will be near normal (-1.5°C to 1.5°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 the southwest direction with wind reaching up to 15 kmph during the morning hours. The surface wind speed will decrease becoming up to 12 kmph from the southwest direction during the afternoon. The wind speed will increase becoming up to 15 kmph from the southeast direction during evening and night.

Impact Expected & Action Suggested due to heavy/very heavy/extremely heavy rainfall

- ❖ **Heavy to very heavy rainfall at few places with extremely heavy rainfall likely at isolated places over Odisha on 15th 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.

Impact expected and action suggested due to Heat wave conditions:

- ❖ **Heat wave conditions very likely in isolated pockets over Coastal Andhra Pradesh & Yanam, Rayalaseema and Tamil Nadu, Puducherry & Karaikal during 15th-16th July.**

Alert Areas

- High temperature & increased likelihood of heat illness symptoms in people who are either exposed to sun for a prolonged period or doing heavy work.
- High health concern for vulnerable people e.g. infants, elderly, people with chronic diseases.
- Avoid heat exposure– keep cool. Avoid dehydration.
- Drink sufficient water- even if not thirsty.
- Use ORS, homemade drinks like lassi, torani (rice water), lemon water, buttermilk, etc. to keep yourself hydrated.

Agromet advisories for likely impact of Heavy Rainfall

- In **Odisha**, ensure continuous and effective drainage of excess rainwater from rice, maize, pulses, oilseed and vegetable fields to prevent prolonged waterlogging. Strengthen field bunds. Postpone sowing, transplanting, irrigation, fertilizer and plant protection operations until field conditions improve.
- In **Arunachal Pradesh**, ensure continuous drainage of excess rainwater from rice, maize, soybean and finger millet fields to prevent prolonged waterlogging.
- In **Assam**, ensure continuous and effective drainage of excess rainwater from sugarcane, soybean, pigeon pea, jute, sesame fields and fruit orchards to prevent prolonged waterlogging.
- In **Meghalaya**, ensure proper drainage in rice nursery beds and fields of maize, cowpea, okra and ginger. Strengthen nursery bunds to prevent runoff and seedling washout.
- In **Sikkim**, ensure proper drainage in rice nurseries and standing crop fields to prevent waterlogging.
- In **West Bengal**, ensure continuous and effective drainage in rice nurseries, jute, ginger and vegetable fields to prevent prolonged waterlogging. Inspect and strengthen bunds around rice nurseries and harvest mature tea leaves and vegetables wherever field conditions permit.

- In **Jharkhand**, ensure proper drainage in standing crop fields to prevent waterlogging. Postpone irrigation, fertilizer and plant protection operations until field conditions improve.
- In **Nagaland, Manipur, Mizoram and Tripura** ensure proper drainage and remove any accumulated rainwater from soybean, black gram, ginger, turmeric, cole crop and vegetable fields to prevent residual waterlogging.
- In **Uttarakhand**, postpone sowing of groundnut, soybean and maize. Ensure proper drainage in rice, tomato and chilli fields to prevent waterlogging. Harvest mature tomato only during rain-free periods and continue rice transplanting wherever field conditions permit.
- In **Bihar**, ensure continuous drainage in rice, maize, sesame and pigeon pea fields to prevent prolonged waterlogging. Postpone irrigation, fertilizer and plant protection operations until field conditions improve.
- In **Chhattisgarh**, ensure proper drainage in rice nurseries and standing fields of maize, soybean, pigeon pea and minor millets to prevent prolonged waterlogging.

Agromet advisories for likely impact of High temperatures/ Heat Waves

- In **Tamilnadu and Coastal Andhra Pradesh** provide light irrigation to maintain adequate moisture in standing crops

Agromet advisories for likely impact of Thunderstorm / Gusty Winds

- In **Arunachal Pradesh, Assam, Meghalaya, Nagaland, Manipur, Mizoram, West Madhya Pradesh, East Madhya Pradesh and Vidarbha** post-pone fertilizer application and other field activities.
- In **Telengana and Rayalaseema and Coastal Andhra Pradesh** provide staking or support to vegetables and young fruit plants / fruit-bearing plants to avoid lodging due to strong 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.

Livestock / Poultry / Fisheries

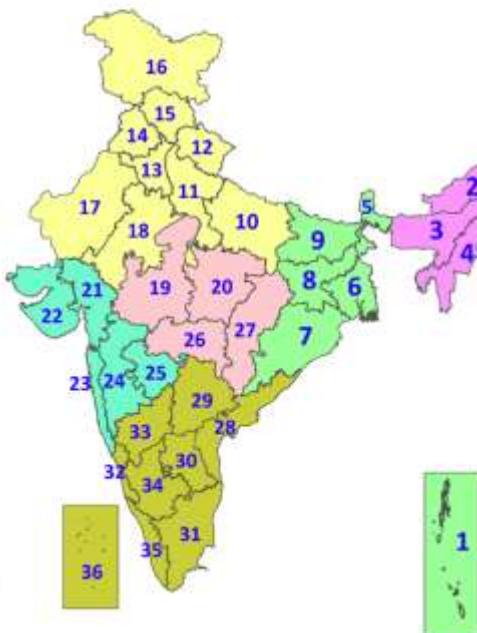
- Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- Store the feed and fodder in a safe place to prevent spoilage.
- In regions with high temperatures and heat wave conditions, provide clean, cool drinking water to animals, and cover the roofs of poultry sheds with 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.

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 *	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°C to 6.4°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°C Warm Night: When minimum temperature departure 4.5°C to 6.4°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°C to -6.4°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°C to -6.4°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 62-87 kmph Very Severe: Wind speed > 87 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 118-185 kmph (64 - 89 knots) Extremely Severe Cyclonic Storm: Wind speed 186-220 kmph (90 -119 knots) Super Cyclone Storm: Wind speed > 220 kmph (> 119 knots)

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