



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



Press Release

Date: 05th June, 2025

Time of Issue: 1245 hours IST

Subject: i) Heavy rainfall likely over Northeastern states today and decrease in intensity thereafter.

ii) Rise in maximum temperature by 4-6°C very likely over Northwest India & by 2-4°C over East & Central India during next 5 days.

Southwest Monsoon: (Annexure I):

- ❖ The Northern Limit of Monsoon continues to pass through 17.0°N/55°E, 17.5°N/60°E, 18°N/65°E, 18.5°N/70°E, Mumbai, Ahilyanagar, Adilabad, Bhawanipatna, Puri, Sandhead Island, 23.5°N/89.5°E, Balurghat, 30°N/85°E.

Realised weather during past 24 hours till 0830 hours IST of today, the 05th June, 2025 (Annexure II):

- ❖ **Heavy to very heavy rainfall with extremely heavy falls** recorded at isolated places over Meghalaya; **heavy rainfall** at isolated places over Konkan, Bihar, Jharkhand and Assam.
- ❖ **Thunderstorm accompanied with Squally/Gusty winds** with speed 60-80 kmph at isolated places over Odisha; with speed 40-60 kmph at isolated places over Gangetic West Bengal, Bihar, Jharkhand, Konkan, Madhya Maharashtra, Tamilnadu, Interior Karnataka, Telangana, Meghalaya, Central and Northwest India.
- ❖ **Hailstorm** observed at isolated places over Himachal Pradesh (Shimla), Punjab (Ludhiana) and Haryana (Kaithal).

For more details of realised weather, kindly refer **Annexure II**,

Detailed observations of Maximum Temperature during past 24 hours till 0830 hours IST of today are appended in **Annexure III**.

i. Weather Systems, Forecast and Warnings (refer to Annexure IV & V):

- ❖ A Western disturbance as a trough in middle & upper tropospheric runs along Long. 78°E to the north of Lat. 24°N.
- ❖ An upper air cyclonic circulation lies over central Pakistan & adjoining northwest Rajasthan and another over south Haryana in lower tropospheric levels.
- ❖ A trough runs from south Chhattisgarh to northeast Bangladesh in lower tropospheric levels.
- ❖ An upper air cyclonic circulation over North Bangladesh in lower tropospheric levels.
- ❖ A north-south trough runs roughly along Long. 88°E to the north of Lat. 22°N in lower tropospheric levels.
- ❖ An upper air cyclonic circulation over North Interior Karnataka and adjoining Marathwada & Telangana in lower tropospheric levels.
- ❖ Under the influence of these systems, the following weather is likely:

Northeast India:

- ✓ Light/moderate rainfall at most/many places likely to continue over northeast India during next 7 days with isolated heavy rainfall over Arunachal Pradesh, Tripura, Mizoram on 05th; Assam & Meghalaya on 05th, 06th and during 09th-11th June with **isolated very heavy falls over Meghalaya on 05th June**.

East & Central India:

- ✓ Light/moderate rainfall at many/some places likely to continue over Sub-Himalayan West Bengal & Sikkim during next 7 days.
- ✓ Light/moderate rainfall at isolated accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** likely over Madhya Pradesh during 05th-07th; Vidarbha, Chhattisgarh during 05th-09th; Bihar, Gangetic West Bengal, Odisha, Jharkhand on 05th June.
- ✓ Isolated heavy rainfall likely over Bihar today.

Northwest India:

- ✓ Light/moderate rainfall at some places accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** likely over Himachal Pradesh, Uttarakhand; light/moderate rainfall at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab, Haryana Chandigarh, Uttar Pradesh, Rajasthan on 05th June.

South Peninsular India:

- ✓ Light/moderate rainfall at many/some places over Kerala & Mahe, Coastal Karnataka during next 7 days.
- ✓ Light/moderate rainfall at some/isolated places accompanied with **thunderstorm, lightning & gusty winds speed reaching 30-40 kmph** over Coastal Andhra Pradesh, Rayalaseema and Interior Karnataka during 05th-07th June.

Maximum Temperature Forecast:

- ❖ Gradual rise by 4-6°C in maximum Temperatures likely over Northwest India during next 5 days and no significant change thereafter.
- ❖ Maximum Temperatures likely to rise by 2-4°C over Central India during next 3 days and no significant change thereafter.
- ❖ No significant change in maximum Temperatures likely over East India during next 24 hours and gradual rise by 2-4°C thereafter.
- ❖ No significant change in maximum temperatures likely over rest parts of the country.

Heat wave and Hot & Humid warnings:

- ❖ **Heat wave conditions** are likely to prevail over West Rajasthan during 08th-11th June.
- ❖ **Hot & humid weather** is likely to prevail over Coastal Andhra Pradesh & Yanam on 05th and Tamilnadu Puducherry & Karaikal on 05th & 06th June.

FISHERMEN WARNINGS:

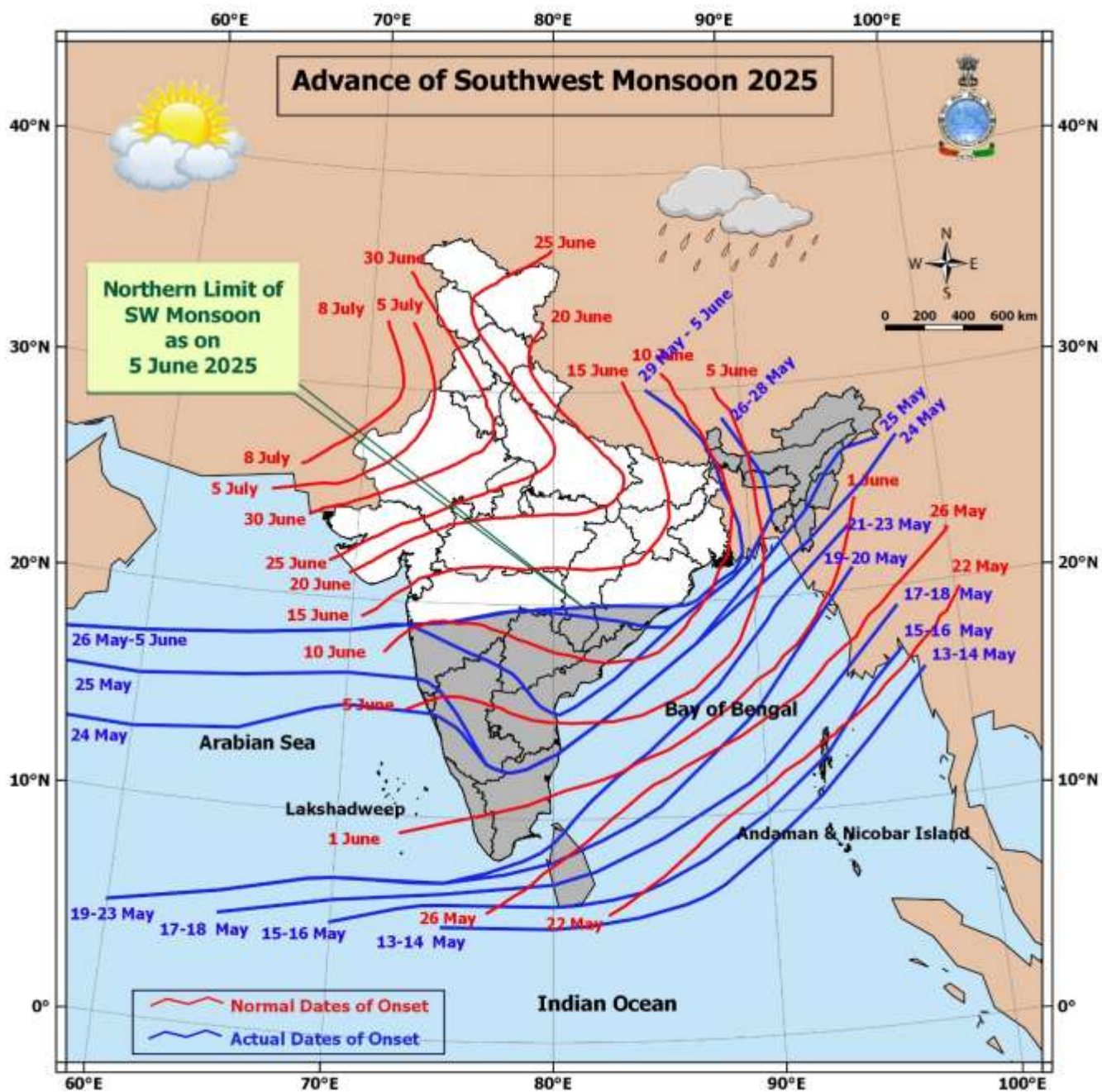
- ❖ Fishermen are advised not to venture over some parts of west central Arabian sea on 05th June.
- ❖ Fishermen are advised not to venture along and off Somalia coast and adjoining sea areas during 05th-09th June.
- ❖ Fishermen are advised not to venture over south Bay of Bengal on 09th June.

ii. Weather conditions and forecast over Delhi/NCR during 05th June to 08th June, 2025 (Annexure VI)

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>



Significant weather reported during past 24 hours till 0830 hours IST of today:**Rainfall recorded (in cm) reported during past 24 hours till 0830 hours IST of today:**

- ❖ **Assam & Meghalaya:** Mawkyrwat (dist South West Khasi Hills) 21, Pandu (dist Kamrup M) 19, Mawsynram (dist East Khasi Hills) 18, Cherrapunji (dist East Khasi Hills) 16, Shella (dist East Khasi Hills) 15, Cherrapunji (dist East Khasi Hills) 12, Iit Guwahati (dist Kamrup (rural)) 10, Williamnagar (dist East Garo Hills) 7, Mawphlang (dist East Khasi Hills) 7,
- ❖ **Bihar:** Kursela (dist Katihar) 8, Suryagadha (dist Lakhisarai) 7, Gidhaur (dist Jamui) 6, Sarmera (dist Nalanda) 6, Laxmipur (dist Jamui) 5, Barhat (dist Jamui) 5, Katihar (dist Katihar) 5,
- ❖ **Jharkhand:** Sikatia (dist Deoghar) 7, Jarmindi (dist Dumka) 7, Maheshpur (dist Pakur) 7, Amrapara (dist Pakur) 6, Jamtara (dist Jamtara) 4, Hiranpur (dist Pakur) 4, Maharo (dist Dumka) 4,
- ❖ **Konkan:** dist Sindhudurg 5, Khed (dist Ratnagiri) 5,
- ❖ **Odisha:** Bhuvan (dist Dhenkanal) 6, Bolagarh (dist Khurda) 5, Nh5 Gobindpur (dist Balasore) 5, Gunupur (dist Rayagada) 5,
- ❖ **Gangetic West Bengal:** Kandi (dist Murshidabad) 6, Tilpara Barrage (dist Birbhum) 4,

Realised Gusty Winds (KMPH) During Past 24hours ending At 0830 hrs IST of Today I.E. 05.06.2025:

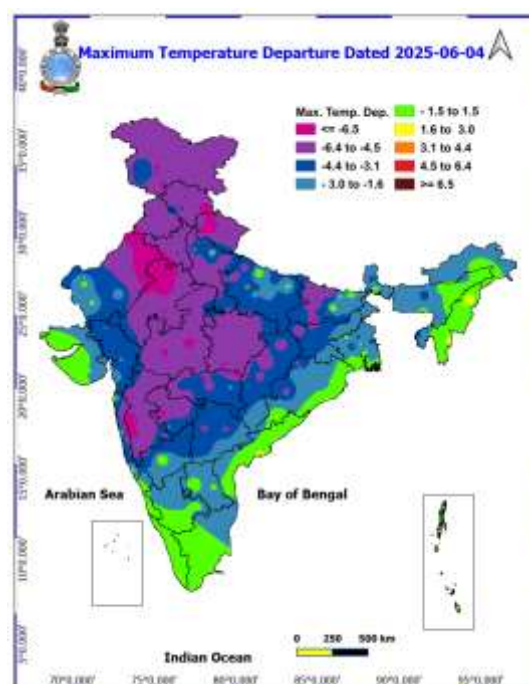
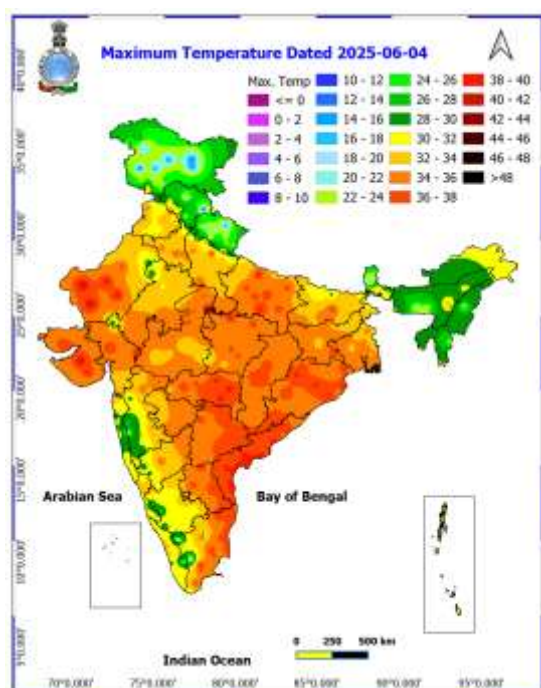
- ❖ **Odisha:** Mayurbhanj (76); Jagatsinghpur (59); Sonapur (54); Kendrapara (46); Rourkela (43); Ranital (37); Cuttack, Pitapalli (35); Balasore, Gunupur (33); Angul (31); Sambalpur (30);
- ❖ **West Madhya Pradesh:** Agar-59 Kmph;
- ❖ **Tamil Nadu:** Tiruttani (56 Kmph), Natham (54 Kmph), Meenambakkam (50 Kmph), Veda sandur, Dindigul (54 Kmph), Thiruchendur (44kmph),
- ❖ **West Uttar Pradesh:** Shahjahanpur-56;
- ❖ **Gangetic West Bengal:** Berhampore (54); Raidighi (37); Dum Dum (35); Canning (33); Sonarpur, Burdwan (31);
- ❖ **Bihar:** Arrabari (54); Sheikhpura (41); Bhojpur (37); Patna (33); Bankra, Rajgir (31);
- ❖ **Punjab:** Fatehgarh Sahib=52 Kmph;
- ❖ **East Uttar Pradesh:** Bahraich-52, Integral University(Lucknow)-43, Prayagraj-41, Ayodhya-41, Fatehpur_Kvk-39., Ayodhya-37;
- ❖ **Himachal Pradesh:** Kukumseri-50, Seobagh & Tabo -39 each;
- ❖ **Manipur:** Imphal: 50 Kmph;
- ❖ **North Haryana:** Kaithal 48 Kmph;
- ❖ **East Madhya Pradesh:** Singrauli 48 Kmph;
- ❖ **Konkan (coastal Maharashtra):** Raigad (Alibag) - 46 Kmph, Sindhudurg (Devgad) - 48 Kmph;
- ❖ **Madhya Maharashtra:** Nashik (Vilholi) - 46 Kmph, Satara (Karad) - 43 Kmph, Baramati (Pune)- 52 Kmph;
- ❖ **Meghalaya:** Mawkyrwat: 46kmph;
- ❖ **East Rajasthan:** Ajmer 45, Jaipur 70, Sikar 48, Fatehpur 54, Karauli 46, Dausa 43;
- ❖ **Marathwada:** Parbhani - 44 Kmph, Chhatrapati Sambhaji Nagar- 43 Kmph;
- ❖ **Jharkhand:** Pakur (43); Khunti, Kiriburu (41);
- ❖ **West Rajasthan:** Jaisalmer 43, Bikaner 45, Churu 34, Nagaur 46;
- ❖ **Chhattisgarh:** Balod-43 Kmph.

Temperature observations during past 24 hours till 0830 hours IST of today:

- ❖ Yesterday, Yesterday, Maximum Temperatures were in the range of 37-41°C in many parts of East Uttar Pradesh, Vidarbha, Chhattisgarh, Rayalaseema, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal; in some parts of West Rajasthan, Odisha, Saurashtra & Kutch, Telangana; in isolated parts of West Uttar Pradesh, East Madhya Pradesh, Gujarat Region; in the range 33-37°C in most parts of Punjab, Haryana-Chandigarh-Delhi; in many parts of Jharkhand, Gangetic West Bengal, Marathwada; in some parts of Bihar, Madhya Maharashtra, West Madhya Pradesh; in isolated parts of Konkan & Goa, North Interior Karnataka and they were less than 33°C elsewhere over remaining parts of the country. **Yesterday, the highest maximum temperature of 41.1°C is reported at Rajkot (Gujarat).**
- ❖ Yesterday, Maximum Temperatures were appreciably above normal (3.1°C to 5.0°C) at isolated places over Gangetic West Bengal, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal. above normal (1.6°C to 3.0°C) at isolated places over Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram & Tripura, Odisha and East Madhya Pradesh. near normal (-1.5°C to 1.5°C) at many places over Assam & Meghalaya and Kerala & Mahe; at most places over Arunachal Pradesh, Saurashtra & Kutch, Coastal Karnataka and Lakshadweep; at few places over Sub Himalayan West Bengal & Sikkim, East Uttar Pradesh, West Rajasthan, Konkan & Goa, Rayalaseema and South Interior Karnataka; at isolated places over Bihar, West Uttar Pradesh, Himachal Pradesh, Gujarat Region and Chhattisgarh.

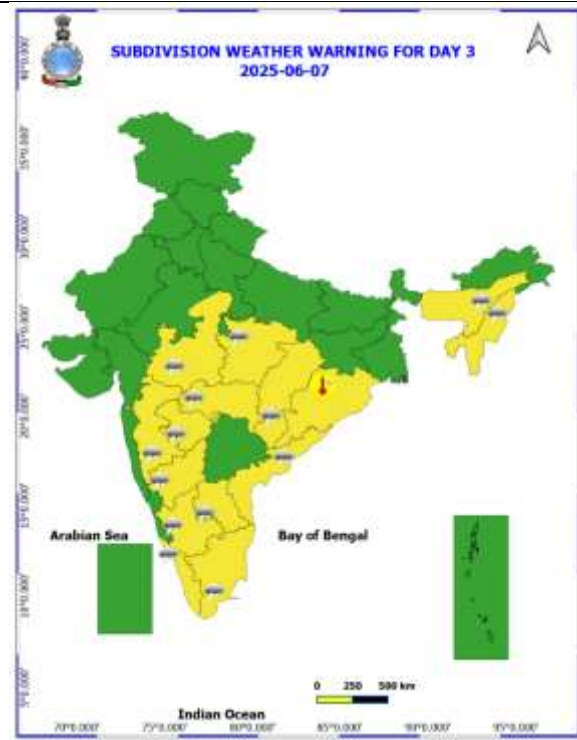
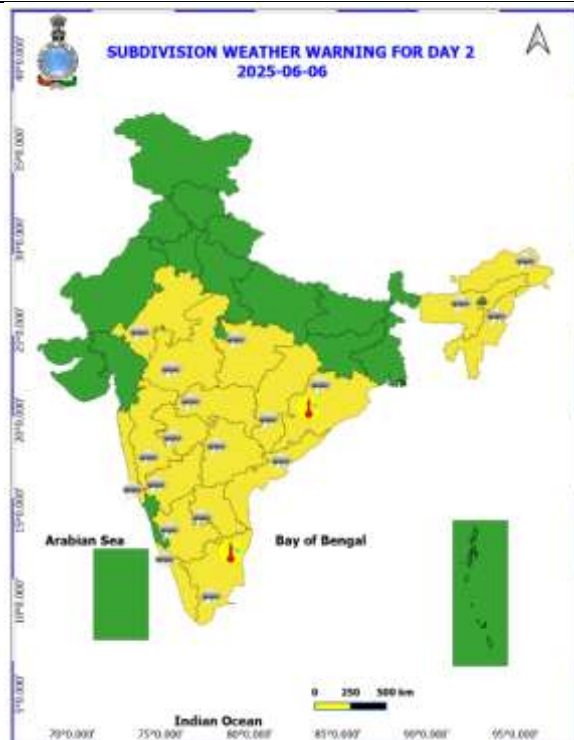
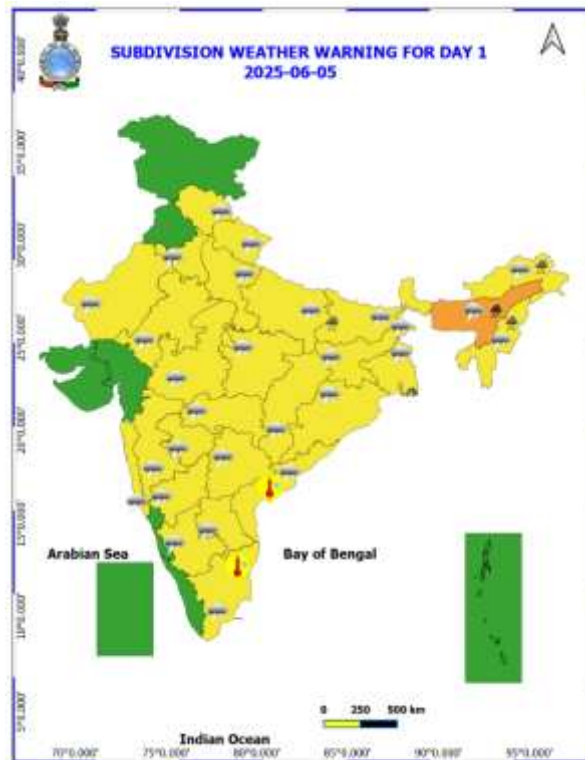
Fig.1: Maximum Temperatures

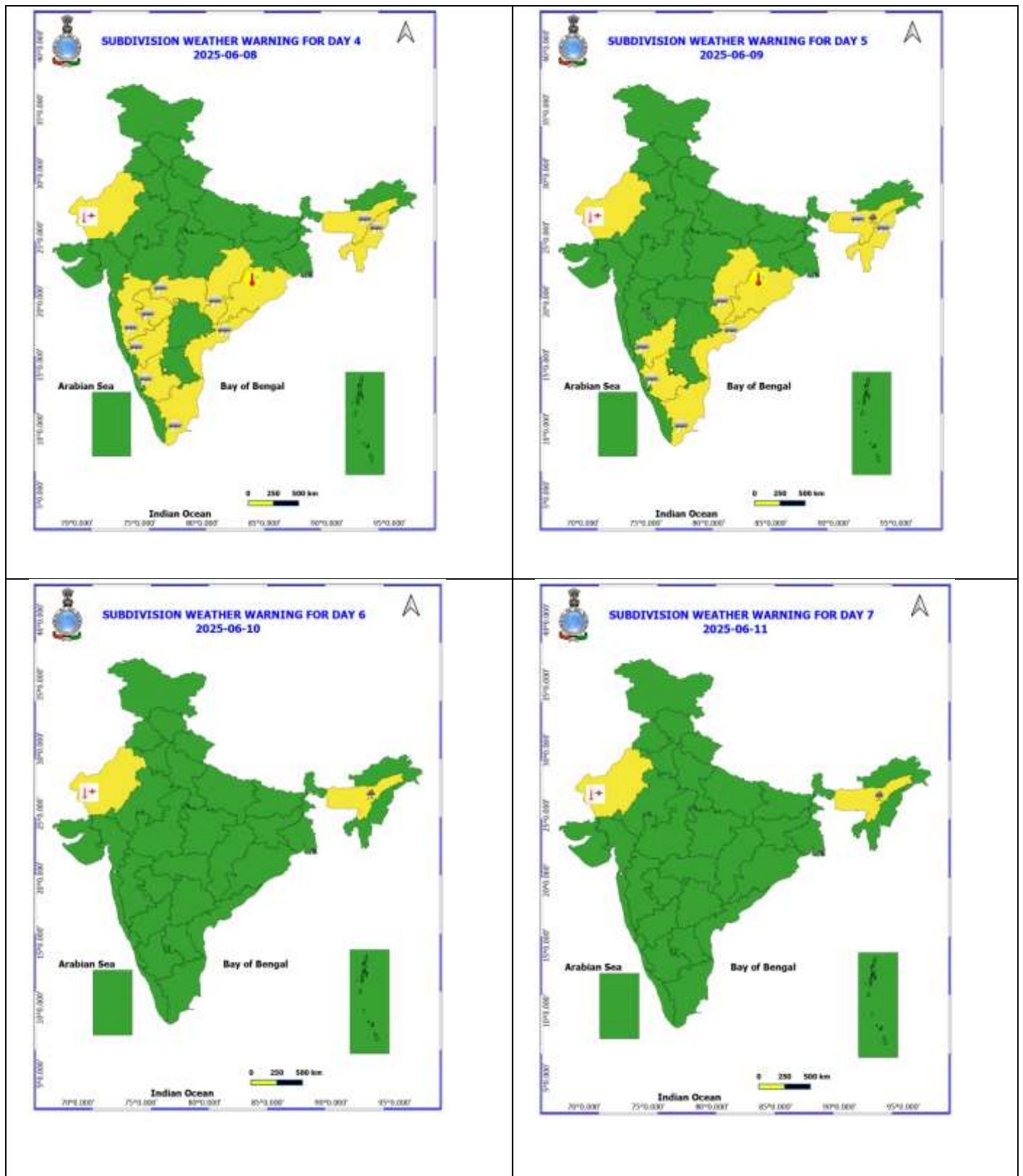
Fig.2: Departure of Maximum Temperatures



7 Days Rainfall Forecast								
S. No.	Subdivision	05-Jun	06-Jun	07-Jun	08-Jun	09-Jun	10-Jun	11-Jun
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	FWS	FWS	WS	WS	WS	WS	WS
2	ARUNACHAL PRADESH	FWS	FWS	FWS	FWS	FWS	FWS	FWS
3	ASSAM & MEGHALAYA	WS	FWS	SCT	SCT	FWS	WS	WS
4	NAGALAND, MANIPUR, MIZORAM & TRIPURA	FWS	SCT	SCT	SCT	FWS	FWS	FWS
5	SUB-HIMALAYAN WEST BENGAL & SIKKIM	FWS	FWS	SCT	SCT	SCT	SCT	FWS
6	GANGETIC WEST BENGAL	FWS	ISOL	ISOL	ISOL	ISOL	ISOL	SCT
7	ODISHA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
8	JHARKHAND	ISOL	ISOL	ISOL	ISOL	ISOL	SCT	SCT
9	BIHAR	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	SCT
10	EAST UTTAR PRADESH	ISOL	DRY	DRY	DRY	DRY	DRY	ISOL
11	WEST UTTAR PRADESH	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
12	UTTARAKHAND	SCT	ISOL	DRY	DRY	DRY	DRY	ISOL
13	HARYANA CHANDIGARH & DELHI	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
14	PUNJAB	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
15	HIMACHAL PRADESH	SCT	ISOL	DRY	DRY	DRY	DRY	DRY
16	JAMMU & KASHMIR AND LADAKH	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
17	WEST RAJASTHAN	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
18	EAST RAJASTHAN	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
19	WEST MADHYA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
20	EAST MADHYA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
21	GUJARAT REGION	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
22	SAURASHTRA & KUTCH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
23	KONKAN & GOA	FWS	SCT	SCT	SCT	ISOL	ISOL	ISOL
24	MADHYA MAHARASHTRA	SCT	SCT	SCT	ISOL	ISOL	ISOL	ISOL
25	MARATHAWADA	ISOL	SCT	SCT	ISOL	ISOL	ISOL	ISOL
26	VIDARBHA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
27	CHHATTISGARH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
28	COASTAL ANDHRA PRADESH & YANAM	ISOL	ISOL	ISOL	ISOL	ISOL	SCT	SCT
29	TELANGANA	ISOL	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	SCT	SCT	SCT
31	TAMILNADU PUDUCHERRY & KARAIKAL	ISOL	ISOL	SCT	SCT	SCT	SCT	ISOL
32	COASTAL KARNATAKA	SCT	SCT	FWS	FWS	FWS	WS	WS
33	NORTH INTERIOR KARNATAKA	ISOL	ISOL	SCT	SCT	FWS	FWS	FWS
34	SOUTH INTERIOR KARNATAKA	ISOL	ISOL	SCT	SCT	FWS	FWS	FWS
35	KERALA & MAHE	SCT	SCT	FWS	SCT	SCT	FWS	FWS
36	LAKSHADWEEP	SCT	SCT	SCT	SCT	SCT	FWS	FWS

- As the lead period increases forecast accuracy decreases.





- 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 05th to 08th June 2025**Past Weather:**

There has been a slight rise in the minimum temperature and rise in the maximum temperature upto 1°C over Delhi/NCR during the past 24 hours. The maximum and minimum temperatures over Delhi were around 34 to 35°C and 21 to 25° respectively. The minimum temperature was below normal up to 3 to 6°C and the maximum temperature was below normal up to 5 to 7°C. Partly cloudy sky conditions with predominant surface wind from the southwest direction with wind speeds up to 20 kmph prevailed during the past 24 hours. Partly cloudy sky conditions with wind speed less than 06 kmph from the variable direction prevailed over the region in the forenoon today.

Weather Forecast:

05.06.2025: Partly cloudy sky. Very light to light rain accompanied by thunderstorm and gusty winds (speed 30 – 40 kmph) temporarily reaching 50 kmph during thunderstorm towards evening/night. The maximum temperatures over Delhi are likely to be in the range of 36 to 38°C. 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 20 kmph in the afternoon. The wind speed will gradually decrease becoming 10-12 kmph from the southwest direction during evening and night.

06.06.2025: Partly cloudy sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 38 to 40°C and 24 to 26°C respectively. The minimum temperature will be below normal up to 1 - 3°C 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 10 kmph during the morning hours. The wind speed will gradually increase becoming 10-15 kmph from the northwest direction in the afternoon. It will decrease becoming less than 10 kmph from the southwest direction during evening and night.

07.06.2025: Partly cloudy sky. Strong surface winds 25 – 35 kmph. The maximum and minimum temperatures over Delhi are likely to be in the range of 38 to 40°C and 25 to 27°C respectively. The minimum temperature will be below normal up to 1 - 2°C and the maximum temperature will be below normal up to 1 - 2°C. The predominant surface wind will likely be from the northwest direction with a wind speed of less than 20 kmph during the morning hours. The wind speed will gradually increase becoming less than 25 kmph from the northwest direction in the afternoon. It will decrease to less than 10 kmph from the northwest direction during the evening and night.

08.06.2025: Partly cloudy sky. Strong surface winds 25 – 35 kmph. The maximum and minimum temperatures over Delhi are likely to be in the range of 39 to 41°C and 26 to 28°C respectively. The minimum temperature will be near normal and the maximum temperature will be near normal. The predominant surface wind will likely be from the northwest direction with a wind speed of less than 25 kmph during the morning hours. The wind speed will gradually increase becoming less than 30 kmph from the northwest direction in the afternoon. It will decrease to less than 25 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 30 – 40 kmph) temporarily reaching 50 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 heavy to very heavy rainfall over Meghalaya 05th June. (For orange colour warning areas)

Impact Expected

- ❖ Localized Flooding of roads, water logging in low lying areas of the above region.
- ❖ Occasional reduction in visibility due to heavy rainfall.
- ❖ Minor damage to kutchra roads.
- ❖ Possibilities of damage to vulnerable structure.
- ❖ Localized Landslides/Mudslides
- ❖ Damage to horticulture and standing crops in some areas due to inundation.
- ❖ It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC).

Action Suggested

- ❖ Check for traffic congestion on your route before leaving for your destination.
- ❖ Follow any traffic advisories that are issued in this regard.
- ❖ Avoid going to areas that face the water logging problems often.
- ❖ Avoid staying in vulnerable structure.

Agromet advisories for likely impact of Heavy Rainfall / Hailstorms / Gusty Winds / Heat Wave

- Postpone sowing of *Sali* rice and vegetables in **Assam** and harvesting of rice in **Tripura**.
- Drain out excess water and ensure proper drainage in the rice nursery beds, fields of soybean, chilli, okra and other vegetables and in **Arunachal Pradesh**; rice, sesame, maize, sugarcane, ginger and turmeric in **Assam**; bottle gourd and French bean in **Meghalaya**; and rice fields, and *Aus* rice nurseries and vegetables in **Tripura**.
- Shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields. Tie the harvested crops properly and cover them to minimise the risk of displacement due to strong surface winds.
- Provide mechanical support and propping to horticultural crops and staking to vegetables to avoid lodging.

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.

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.

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

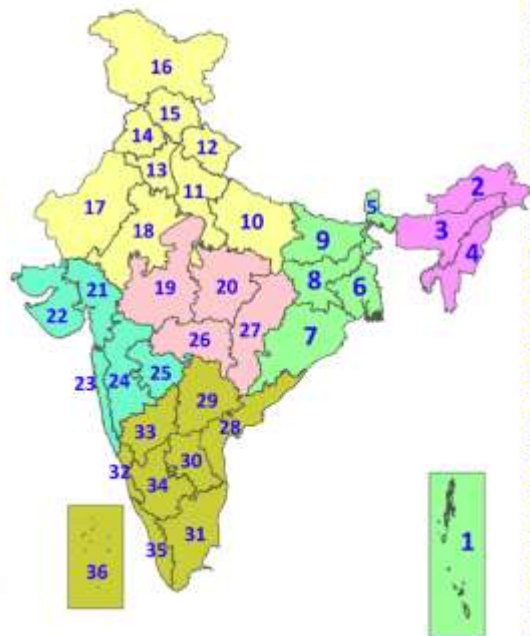
32. तटीय कर्नाटक

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 62-67 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°C above normal along with the above normal relative humidity.