



Government of India
Ministry of Earth Sciences
India Meteorological Department



Press Release

Date: 06th June, 2025

Time of Issue: 1315 hours IST

Subject: i) Enhanced rainfall activity with isolated heavy falls very likely over northeastern states from 9th June and over south peninsular India from 11th June.

(ii) Heat wave conditions are likely to prevail over West Rajasthan during 08th-10th; Punjab, Haryana, south Uttar Pradesh, north Madhya Pradesh on 09th & 10th June.

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 06th June, 2025 (Annexure II):

- ❖ **Heavy to very heavy rainfall** recorded at isolated places over Tripura; **heavy rainfall** at isolated places over Sub-Himalayan West Bengal, Arunachal Pradesh and Assam.
- ❖ **Thunderstorm accompanied with Squally/Gusty winds** with speed 60-80 kmph at isolated places over Uttar Pradesh, Madhya Pradesh, Tamil Nadu; with speed 40-60 kmph at isolated places over Gangetic West Bengal, Bihar, Jharkhand, Himachal Pradesh, Uttarakhand, Madhya Maharashtra, Gujarat Region, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Coastal Andhra Pradesh.

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):

- ❖ An upper air cyclonic circulation lies over northwest Rajasthan and another one over northwest Uttar Pradesh in lower tropospheric levels.
- ❖ A trough runs from south Madhya Maharashtra to Coastal Andhra Pradesh across North Interior Karnataka and Telangana in lower tropospheric levels.
- ❖ An upper air cyclonic circulation lies over North Interior Karnataka & neighbourhood in lower tropospheric levels.
- ❖ An upper air cyclonic circulation lies over northeast Assam & neighbourhood in lower tropospheric levels.
- ❖ A fresh Western Disturbance as a trough in middle tropospheric westerlies with its axis at 5.8 km above mean sea level runs roughly along Long. 55°E to the north of Lat. 31°N.
- ❖ 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, Assam & Meghalaya during 09th-12th June.; Tripura on 06th & 07th and Nagaland, Manipur, Mizoram & Tripura during 09th-11th June.

East & Central India:

- ✓ Light/moderate rainfall at some places likely to continue over Sub-Himalayan West Bengal & Sikkim during next 7 days.
- ✓ Light/moderate rainfall at isolated/some places accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** likely over Madhya Pradesh on 06th & 07th; Vidarbha, Chhattisgarh, Odisha during 06th-10th; Gangetic West Bengal, Bihar on 06th, Bihar, Jharkhand during 10th-12th June.

Northwest India:

- ✓ Light/moderate rainfall at isolated places likely over East Rajasthan during 06th-08th; over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttarakhand, Uttar Pradesh on 11th & 12th June.
- ✓ Dust raising winds (speed 30-40 kmph) very likely over West Rajasthan during 08th-10th 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, Telangana, Rayalaseema and Karnataka during 06th-10th June.

Maximum Temperature Forecast:

- ❖ Rise by 3-5°C in maximum Temperatures likely over Northwest India during next 4 days; fall by about 2°C thereafter.
- ❖ Maximum Temperatures likely to rise by 2-4°C over Central India during next 5 days and no significant change thereafter.
- ❖ Maximum Temperatures likely to rise by 2-4°C over East India during next 2 days and no significant change 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-10th; Punjab, Haryana Chandigarh & Delhi, south Uttar Pradesh, north Madhya Pradesh on 09th & 10th June.
- ❖ **Hot & humid weather** is likely to prevail over Odisha during 06th-10th; Coastal Andhra Pradesh & Yanam and Tamilnadu Puducherry & Karaikal during 06th-08th June.

FISHERMEN WARNINGS:

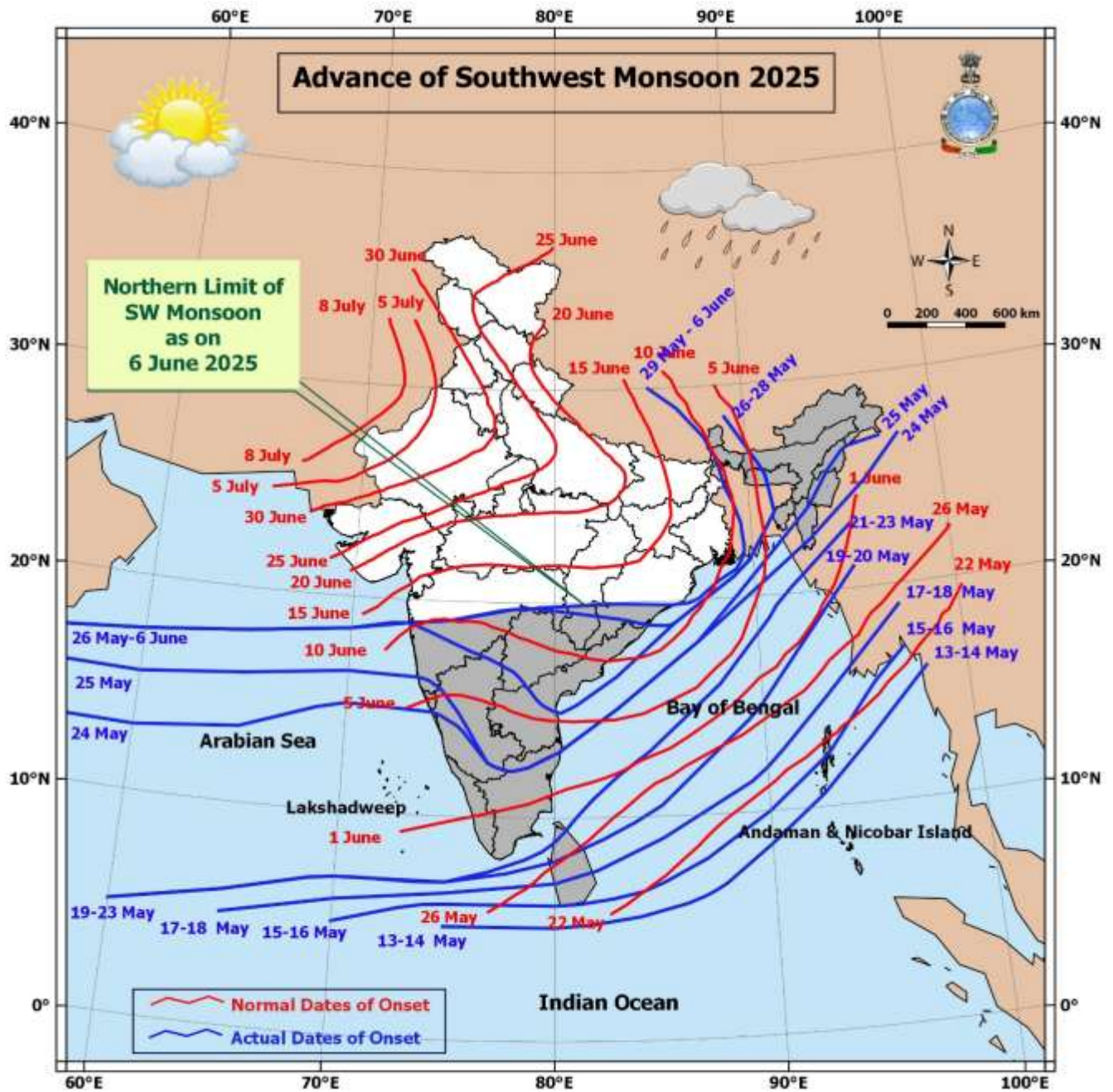
- ❖ Fishermen are advised not to venture along and off Somalia coast and adjoining sea areas during 06th-10th June.
- ❖ Fishermen are advised not to venture over Comorin area, many parts of south Bay of Bengal on 09th & 10th June.

ii. Weather conditions and forecast over Delhi/NCR during 06th June to 09th 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:

- ❖ **Nagaland, Manipur, Mizoram & Tripura:** Kadamtala ARG (dist North Tripura) 12; Agartala AP (dist West Tripura), Dm Office ARG (dist West Tripura) 7 Each;
- ❖ **Sub Himalayan West Bengal & Sikkim:** Siliguri PTO (dist Darjeeling) 10; Zurrantee T.e (dist Jalpaiguri) 9; Baradighi T.e. (dist Jalpaiguri), Chalouni Tea Estate (dist Jalpaiguri) 8 Each; Beech Tea Garden (dist Alipurduar) 7
- ❖ **Arunachal Pradesh:** Miao-7

Realised Gusty Winds (KMPH) During Past 24hours ending At 0830 hrs IST of Today I.E. 06.06.2025:

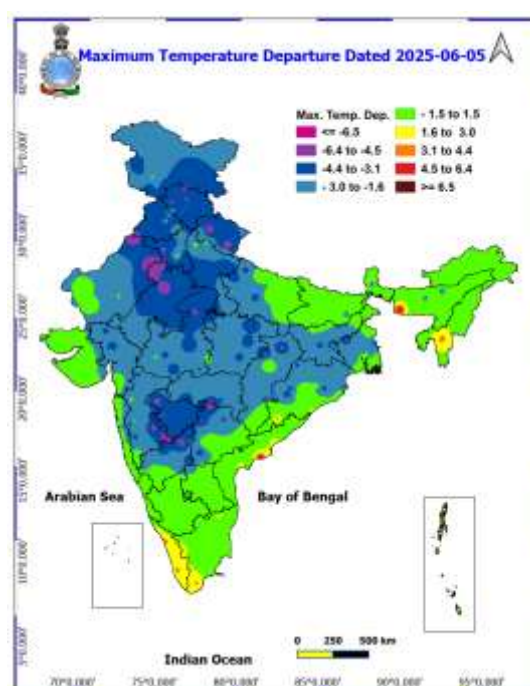
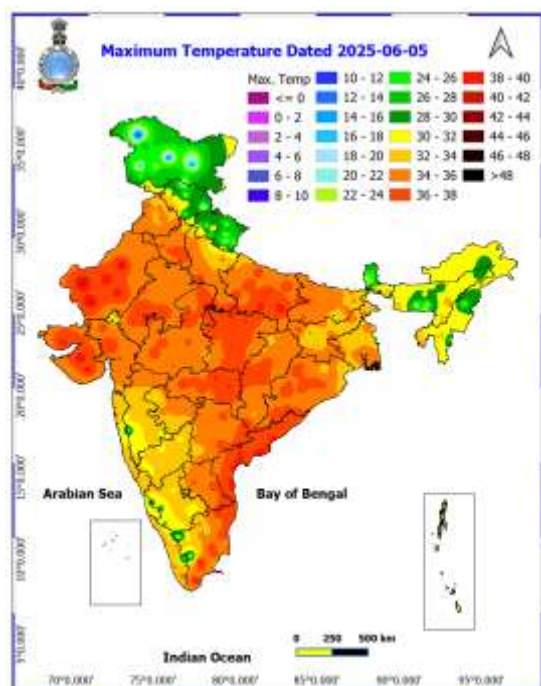
- ❖ West Uttar Pradesh: Farrukhabad 80;
- ❖ West Madhya Pradesh: Harda 70;
- ❖ East Madhya Pradesh: Sehore 65;
- ❖ East Uttar Pradesh: Ballia 56;
- ❖ Nagaland, Manipur, Mizoram & Tripura: ADC Moreh (Tengnoupal) 56, Kmphkolasib 55;
- ❖ Bihar: Manjhi 54, Ziradei 41, Arwal 39, IIT Patna 35, Dumaraon 31, Saraiya 31;
- ❖ Himachal Pradesh: Seobagh 50;
- ❖ Gangetic West Bengal: Barrackpore 50, Kolkata Airport 31;
- ❖ Madhya Maharashtra: Nashik (Kalwan) 48, Nashik (Vilholi) 43, Baramati (Pune) 43;
- ❖ Assam: Karbianglong 46;
- ❖ Marathwada: Jalna 43, Chhatrapati Sambhaji Nagar 35;
- ❖ Jharkhand: Garhwa 43, Simdega 30, Bokaro 30;
- ❖ Uttarakhand: Maldevta 43, Chamoli 41, Mukteshwar 35, Jollygrant 31;
- ❖ Gujarat Region: Dahod Agro 41;

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

- ❖ Yesterday, Maximum Temperatures were in the range of 36-41°C in most parts of Punjab, Haryana-Chandigarh- Delhi, East Uttar Pradesh, East Madhya Pradesh, Vidarbha; in many parts of West Rajasthan, West Madhya Pradesh, Coastal Andhra Pradesh & Yanam, Chhattisgarh, Rayalaseema; in some parts of East Rajasthan, Odisha, Saurashtra & Kutch, Tamil Nadu, Puducherry & Karaikal; in isolated parts of West Uttar Pradesh, Bihar, Gujarat Region; in the range 32-36°C in most parts of Punjab, Haryana-Chandigarh-Delhi, Gangetic West Bengal; in many parts of Konkan & Goa, Coastal Karnataka, Lakshadweep; in some parts of Uttarakhand, Jammu-Kashmir- Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Sub-Himalayan West Bengal & Sikkim, Madhya Maharashtra, Marathwada, North Interior Karnataka, Kerala & Mahe, Andaman & Nicobar Islands; in isolated parts of Assam, Nagaland, Mizoram & Tripura and they were less than 32°C elsewhere over remaining parts of the country. **Yesterday, the highest maximum temperature of 41.8°C was reported at Jaisalmer (West Rajasthan).**
- ❖ Yesterday, Maximum Temperatures were appreciably above normal(3.1°C to 5.0°C) at few places over Kerala & Mahe; at isolated places over Bihar; above normal(1.6°C to 3.0°C) at many places over Lakshadweep; at few places over Andaman & Nicobar Islands; at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Odisha, East Madhya Pradesh and Saurashtra & Kutch; near normal(-1.5°C to 1.5°C) at many places over West Uttar Pradesh; at most places over Arunachal Pradesh, Sub Himalayan West Bengal & Sikkim, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal, Coastal Karnataka and South Interior Karnataka; at few places over East Uttar Pradesh, West Rajasthan, Gujarat Region, Madhya Maharashtra, Chhattisgarh and North Interior Karnataka; at isolated places over Uttarakhand, Haryana-Chandigarh-Delhi, Himachal Pradesh, Jammu-KashmirLadakh-Gilgit-Baltistan-Muzaffarabad and West Madhya Pradesh.

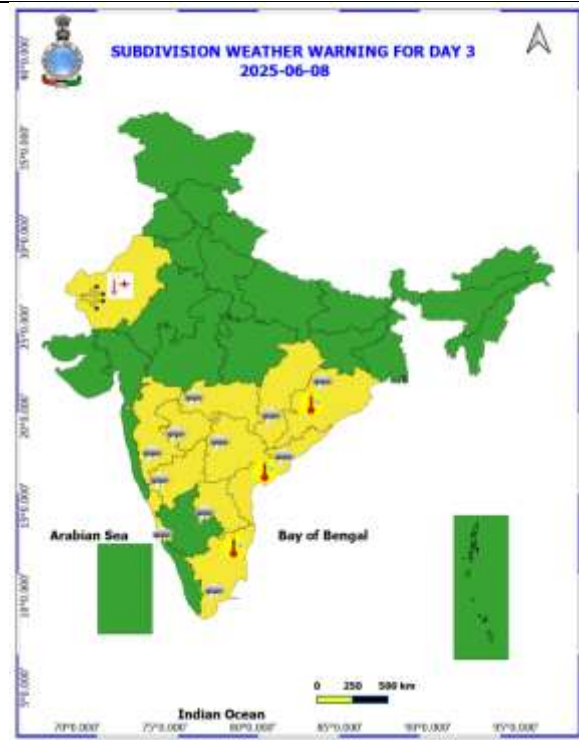
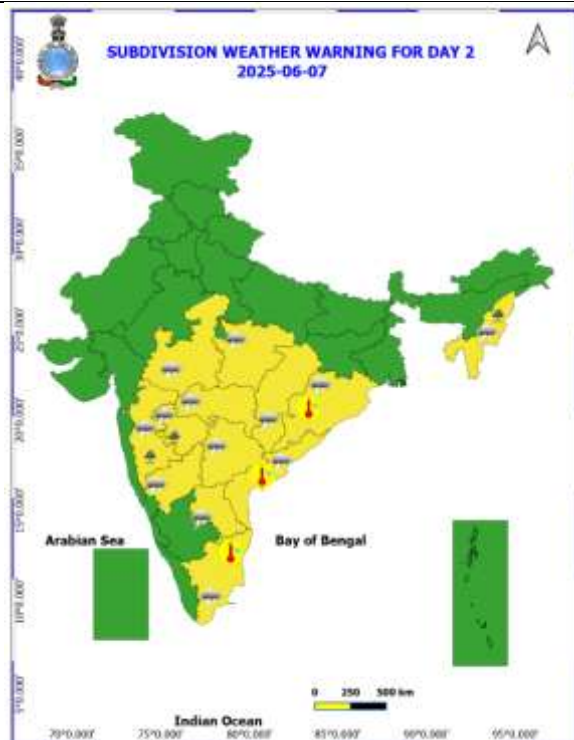
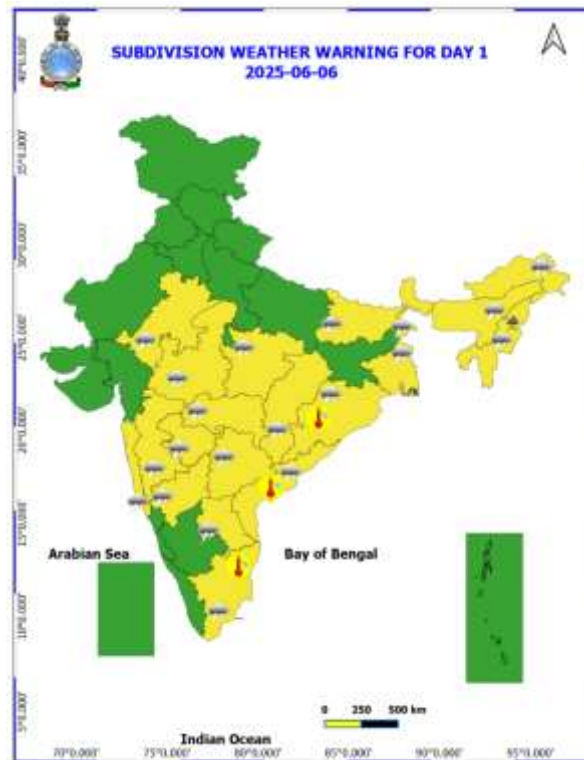
Fig.1: Maximum Temperatures

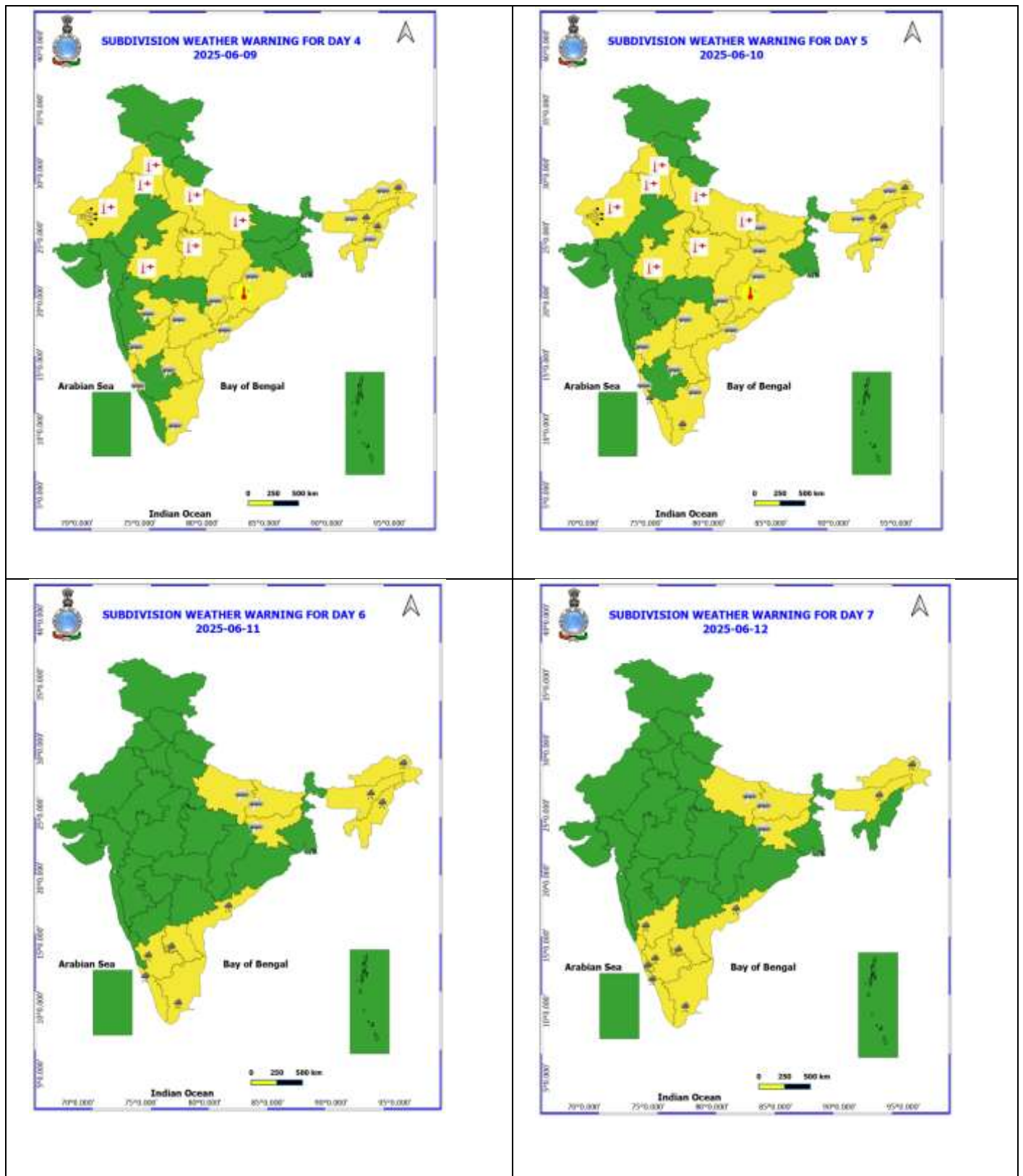
Fig.2: Departure of Maximum Temperatures



7 Days Rainfall Forecast								
S. No.	Subdivision	06-Jun	07-Jun	08-Jun	09-Jun	10-Jun	11-Jun	12-Jun
		Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
1	ANDAMAN & NICOBAR ISLANDS	WS	WS	WS	WS	WS	WS	FWS
2	ARUNACHAL PRADESH	SCT	SCT	SCT	FWS	FWS	FWS	FWS
3	ASSAM & MEGHALAYA	SCT	SCT	SCT	FWS	WS	WS	WS
4	NAGALAND, MANIPUR, MIZORAM & TRIPURA	WS	WS	WS	WS	FWS	FWS	FWS
5	SUB-HIMALAYAN WEST BENGAL & SIKKIM	FWS	SCT	SCT	SCT	SCT	SCT	SCT
6	GANGETIC WEST BENGAL	SCT	ISOL	ISOL	ISOL	ISOL	SCT	SCT
7	ODISHA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
8	JHARKHAND	ISOL	ISOL	ISOL	ISOL	SCT	SCT	SCT
9	BIHAR	ISOL	ISOL	ISOL	ISOL	SCT	SCT	SCT
10	EAST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL
11	WEST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
12	UTTARAKHAND	ISOL	DRY	DRY	DRY	DRY	ISOL	ISOL
13	HARYANA CHANDIGARH & DELHI	DRY	DRY	DRY	DRY	DRY	DRY	DRY
14	PUNJAB	DRY	DRY	DRY	DRY	DRY	DRY	DRY
15	HIMACHAL PRADESH	ISOL	DRY	DRY	DRY	DRY	ISOL	ISOL
16	JAMMU & KASHMIR AND LADAKH	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL
17	WEST RAJASTHAN	DRY	DRY	DRY	DRY	DRY	DRY	DRY
18	EAST RAJASTHAN	ISOL	ISOL	ISOL	DRY	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	SCT	SCT	SCT	SCT	SCT	SCT	FWS
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	SCT	SCT	FWS
29	TELANGANA	ISOL	ISOL	SCT	SCT	SCT	SCT	SCT
30	RAYALASEEMA	ISOL	ISOL	ISOL	SCT	SCT	FWS	FWS
31	TAMILNADU PUDUCHERRY & KARAİKAL	ISOL	ISOL	ISOL	SCT	SCT	SCT	SCT
32	COASTAL KARNATAKA	ISOL	SCT	SCT	FWS	WS	FWS	WS
33	NORTH INTERIOR KARNATAKA	ISOL	SCT	SCT	FWS	FWS	FWS	FWS
34	SOUTH INTERIOR KARNATAKA	ISOL	ISOL	SCT	FWS	FWS	FWS	FWS
35	KERALA & MAHE	SCT	SCT	SCT	FWS	WS	WS	WS
36	LAKSHADWEEP	SCT	SCT	SCT	FWS	WS	WS	WS

- 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 06th to 09th June 2025**Past Weather:**

There has been a rise in the minimum temperature upto 1°C and rise in the maximum temperature upto 2°C over Delhi/NCR during the past 24 hours. The maximum and minimum temperatures over Delhi were around 36 to 37°C and 23 to 25° respectively. The minimum temperature was below normal up to 2 to 5°C and the maximum temperature was below normal up to 3 to 5°C. Partly cloudy sky conditions with predominant surface wind from the southwest direction with wind speeds up to 18 kmph prevailed during the past 24 hours. Mainly clear sky conditions with wind speed less than 06 kmph from the southwest direction prevailed over the region in the forenoon today.

Weather Forecast:

06.06.2025: Partly cloudy sky. The maximum temperatures over Delhi are likely to be in the range of 38 to 40°C. 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 in the afternoon. The wind speed will gradually decrease becoming 08-10 kmph from the southwest direction during evening and night.

07.06.2025: Mainly clear sky. The maximum and minimum temperatures over Delhi are likely to be in the range of 39 to 41°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 near normal. The predominant surface wind will likely be from the southwest direction with a wind speed of less than 12 kmph during the morning hours. The wind speed will gradually increase becoming 10-15 kmph from the northwest direction in the afternoon. It will increase becoming less than 20 kmph from the northwest direction during evening and night.

08.06.2025: Mainly clear sky. Sustained surface winds 20 – 30 kmph. The maximum and minimum temperatures over Delhi are likely to be in the range of 40 to 42°C and 26 to 28°C respectively. The minimum temperature will be near normal and the maximum temperature will be above normal up to 1 - 2°C. 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 decrease becoming less than 20 kmph from the west direction in the afternoon. It will increase to less than 30 kmph from the northwest direction during the evening and night.

09.06.2025: Mainly clear sky. Sustained surface winds 20 – 30 kmph. The maximum and minimum temperatures over Delhi are likely to be in the range of 41 to 43°C and 26 to 28°C respectively. The minimum temperature will be near normal and the maximum temperature will be above normal up to 1 - 3°C. 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 decrease becoming less than 20 kmph from the northwest direction in the afternoon. It will increase to less than 30 kmph from the northwest direction during the evening and night.

Impact expected and Action Suggested:

- Be cautious and take precautionary measures though there is no likelihood of heat wave conditions. There is likelihood of heat related impact to vulnerable population as the temperatures are likely to be above normal.
- Moderate health concern for vulnerable people e.g. infants, elderly people with chronic diseases.
- Avoid heat exposure, wear light weight, light colored, loose, cotton clothes, cover your head, use a cloth, hat or umbrella.

Impact expected and action suggested due to Heat wave over West Rajasthan during 08th-10th; Punjab, Haryana Chandigarh & Delhi, south Uttar Pradesh, north Madhya Pradesh on 09th & 10th June.

Yellow alert Areas

- Moderate temperature & heat is tolerable for general public but moderate health concern likely for vulnerable people e.g. infants, elderly, people with chronic diseases.
- Avoid heat exposure.
- Wear lightweight, light colour, loose, cotton clothes.
Cover your head, use a cloth, hat or umbrella

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

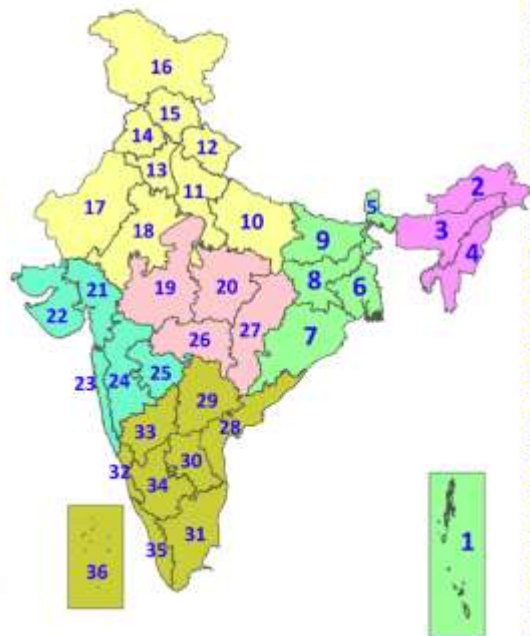
32. तटीय कर्नाटक

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)

* 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

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