

Thursday 25 August 2022

MORNING

Time of Issue: 0730 hours IST

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

- ◆ The **Well Marked Low Pressure Area** lies over southwest Rajasthan & adjoining Pakistan with the associated cyclonic circulation extending upto mid-tropospheric levels.
- ◆ The western end of the monsoon trough at mean sea level is south of its normal position and eastern end is near its normal position.
- ◆ A cyclonic circulation lies over Northwest Bay of Bengal & neighbourhood extending upto middle tropospheric levels.
- ◆ **Under the influence of the above systems:**
 - o Widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Chhattisgarh on 26th & 27th and over East Madhya Pradesh during 27th-29th August, 2022.
 - o Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Odisha on 25th; East Uttar Pradesh during 27th-29th; Sub-Himalayan West Bengal & Sikkim and Bihar during 26th-29th August, 2022.
 - a) Isolated **very heavy rainfall** also likely over Sub-Himalayan West Bengal & Sikkim on 27th August, 2022.
 - o Fairly widespread light/moderate rainfall with **isolated heavy falls and thunderstorm/lightning** very likely over Arunachal Pradesh and Assam & Meghalaya during 26th-29th and over Nagaland, Manipur, Mizoram & Tripura during 25th-28th.
 - a) Isolated **very heavy rainfall** also likely over Arunachal Pradesh and Assam & Meghalaya on 27th August, 2022.
 - o Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls and thunderstorm/lightning** very likely over Jammu & Kashmir and Himachal Pradesh on 25th and over Uttarakhand on 28th & 29th August, 2022.
 - o Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls and thunderstorm/lightning** very likely over South Interior Karnataka on 26th & 27th; Rayalaseema during 26th-29th; Tamil Nadu and Kerala & Mahe during 25th-29th August, 2022.

Main Weather Observations

- ◆ **Rainfall/thundershower observed (from 0830 hours IST to 1730 hours IST of yesterday):** at most places over Coastal Karnataka; at many places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Gangetic West Bengal, Odisha, Jharkhand, Madhya Maharashtra and South Interior Karnataka; at a few places over Bihar, West Rajasthan, Gujarat Region, Konkan & Goa and Kerala & Mahe and at isolated places over Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Chhattisgarh, East Rajasthan, West Madhya Pradesh, Saurashtra & Kutch, Coastal Andhra Pradesh & Yanam, North Interior Karnataka, Rayalaseema and Tamilnadu, Puducherry & Karaikal.
- ◆ **Chief amount of Rainfall observed (from 0830 hours IST to 1730 hours IST of yesterday):(1 cm or more):** Sultanpur and Bajpe- 3 each; Shanti Niketan, Digha and Jamshedpur - 2 each; Diamond Harbour, Sambalpur, Hirakud, Katra, Barmer, Deesa, Mahabaleshwar, Honavar and Rohtak - 1 each.
- ◆ **Thunderstorm observed (from 0830 hours IST of yesterday to 0530 hours IST of today):** at isolated places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Punjab, East Uttar Pradesh, Gangetic West Bengal, Bihar, Odisha, Chhattisgarh, Telangana, Coastal Karnataka, Coastal Andhra Pradesh & Yanam, Rayalaseema and Lakshadweep.
- ◆ **Minimum Temperature Departures (as on 24-08-2022):** Minimum temperatures were **above normal (1.6°C to 3.0°C)** at a few places over Chhattisgarh, Assam & Meghalaya, Coastal Andhra Pradesh & Yanam, Telangana and Vidarbha and at isolated places over Himachal Pradesh, West Uttar Pradesh, Gangetic West Bengal and Tamil Nadu, Puducherry & Karaikal. They were **below normal (-1.6°C to -3.0°C)** at isolated places over Rajasthan and Madhya Pradesh and near normal over rest parts of the country. Yesterday, the **lowest minimum temperature of 19.0°C** was reported at **Jeur (Madhya Maharashtra)** over the plains of the country.
- ◆ **Maximum Temperature Departures (as on 24-08-2022):** Maximum temperatures were **markedly above normal(5.1°C to more)** at a few places over Assam & Meghalaya and Arunachal Pradesh; **appreciably above normal (3.1°C to 5.0°C)** at a few places over Sub-Himalayan West Bengal & Sikkim; **above normal (1.6°C to 3.0°C)** at most places over Vidarbha and Marathwada; at many places over Telangana; at a few places over Bihar, East Madhya Pradesh, North Interior Karnataka and Andaman & Nicobar Islands; at isolated places over Gangetic West Bengal, Rayalaseema and Madhya Maharashtra. They were **markedly above normal(-5.1°C to Less)** at a few places over East Rajasthan and at isolated places over West Rajasthan; **appreciably below normal (3.1°C to 5.0°C)** at Isolated places over Odisha and **below normal (-1.6°C to -3.0°C)** at most places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad; at many places over Kerala & Mahe and Tamilnadu, Puducherry & karaikal; at a few places over Himachal Pradesh, East Uttar Pradesh, Coastal Karnataka, Coastal Andhra Pradesh & Yanam and at isolated places over Saurashtra & Kutch and near normal over rest parts of the country. Yesterday, the **highest maximum temperature of 37.4°C** was reported at **Itanagar (Arunachal Pradesh)**.

* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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Meteorological Analysis (Based on 0530 hours IST)

- ◆ The **Well Marked Low Pressure Area** over southwest Rajasthan & adjoining Pakistan with the associated cyclonic circulation extending upto 7.6 km above mean sea level persists.
- ◆ The **monsoon trough** at mean sea level now passes through centre of Well Marked Low Pressure Area over southwest Rajasthan & adjoining Pakistan, Jaipur, Gwalior, Prayagraj, Ranchi, Bankura and thence eastwards to Mizoram across Bangladesh and Tripura.
- ◆ The cyclonic circulation over Northwest Bay of Bengal extending upto 5.8 km above mean sea level tilting southwestwards with height persists.
- ◆ The **Western Disturbance** as a trough in mid-tropospheric westerlies with its axis at 5.8 km above mean sea level roughly along Long. 65°E & to the north of Lat. 30°N persists.
- ◆ The cyclonic circulation over north interior Tamil Nadu & neighbourhood between 3.1 km & 5.8 km above mean sea level persists.

Weather Forecast for next 5 days * upto 0830 hours IST of 30th August 2022

- ◆ Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- ◆ No significant change in maximum temperatures very likely over the country during next 5 days.

Weather Outlook for subsequent 2 days During 30th August - 01st September, 2022

- ◆ Fairly widespread to widespread light/moderate rainfall activity likely over south Peninsular India, northeast India, Uttar Pradesh, north Madhya Pradesh.
- ◆ Scattered to fairly widespread remaining parts of the country except West Rajasthan, Gujarat State, Interior Maharashtra where isolated rainfall activity is likely.

Weather Warning during next 5 days *

25 Aug (Day 1): ♦ Heavy rainfall at isolated places very likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Odisha, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, East Uttar Pradesh, Vidarbha, Chhattisgarh, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, Interior Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** Squally weather (wind speed 40-50 kmph gusting to 60 kmph) very likely over along and off Karnataka and Kerala coasts, Lakshadweep area, adjoining Comorin area, south of southwest Bay of Bengal adjoining southeast Bay of Bengal. **Squally winds** of 45-55 kmph gusting to 65 kmph likely over west-central, adjoining east-central Arabian Sea and adjoining southwest Arabian Sea, along and off Somalia coast, southwest Bay of Bengal off south Sri Lanka coast, Comorin area, Gulf of Mannar. Fishermen are advised not to venture into these seas.

26 Aug (Day 2): ♦ Heavy rainfall at isolated places very likely over Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Rayalaseema, South Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over East Uttar Pradesh, East Madhya Pradesh, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** Squally weather (wind speed 40-50 kmph gusting to 60 kmph) very likely over along and off Karnataka and Kerala coasts, Lakshadweep area, adjoining Comorin area, south of southeast Bay of Bengal. Squally winds of 45-55 kmph gusting to 65 kmph likely over west-central, adjoining southwest Arabian Sea, along and off Somalia coast, southwest Bay of Bengal off south Sri Lanka coast, Comorin area, Gulf of Mannar. Fishermen are advised not to venture into these seas.

27 Aug (Day 3): ♦ Heavy to very heavy rainfall at isolated places very likely over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya; **heavy rainfall** at isolated places likely over East Uttar Pradesh, East Madhya Pradesh, Chhattisgarh, Bihar, Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram & Tripura, Rayalaseema, South Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over East Uttar Pradesh, Madhya Pradesh, Gangetic West Bengal, Odisha, Andaman & Nicobar Islands, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** Squally weather (wind speed 40-50 kmph gusting to 60 kmph) very likely over south of southwest and adjoining southeast Bay of Bengal. **Squally winds** of 45-55 kmph gusting to 65 kmph likely over west-central and adjoining southwest Arabian Sea, along and off Somalia coast, southwest Bay of Bengal off south Sri Lanka coast, Comorin area, Gulf of Mannar. Fishermen are advised not to venture into these seas.

28 Aug (Day 4): ♦ Heavy rainfall at isolated places likely over Uttarakhand, East Uttar Pradesh, East Madhya Pradesh, Bihar, Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Rayalaseema, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Uttar Pradesh, East Madhya Pradesh, Gangetic West Bengal, Madhya Maharashtra, Marathwada, Rayalaseema, Telangana and Tamil Nadu, Puducherry & Karaikal.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over south of southwest and adjoining southeast Bay of Bengal, along and off Sri Lanka coast. **Squally winds** of 45-55 kmph gusting to 65 kmph likely over west-central and adjoining southwest Arabian Sea, along and off Somalia coast. Fishermen are advised not to venture into these seas.

29 Aug (Day 5): ♦ Heavy rainfall at isolated places likely over Uttarakhand, East Uttar Pradesh, East Madhya Pradesh, Bihar, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Rayalaseema, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over south Haryana, West Uttar Pradesh, East Rajasthan, West Madhya Pradesh, Rayalaseema, Telangana and Tamil Nadu, Puducherry & Karaikal.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over south of southwest and adjoining southeast Bay of Bengal, along and off Sri Lanka coast. **Squally winds** of 45-55 kmph gusting to 65 kmph likely over west-central and adjoining southwest Arabian Sea, along and off Somalia coast. Fishermen are advised not to venture into these seas.

Kindly download MAUSAM APP for location specific forecast & warning, MEGHDOOT APP for Agromet advisory and DAMINI APP for Lightning Warning & visit state MC/RMC websites for district wise warning.

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(Circle as the National office 4870)



Table-1
5 Day Rainfall Forecast (MORNING)
25-August-2022

| Met-Sub-Division | 25-Aug Today | 26Aug Fri | 27Aug Sat | 28Aug Sun | 29Aug Mon |
|--------------------------------|--------------|-----------|-----------|-----------|-----------|
| 1. Andaman & Nicobar Islands | FWS | WS | WS | FWS | FWS |
| 2. Arunachal Pradesh | SCT | FWS | WS | WS | WS |
| 3. Assam & Meghalaya | SCT | FWS | WS | WS | WS |
| 4. N. M. M. & T. | FWS | FWS | FWS | FWS | FWS |
| 5. S.H. West Bengal & Sikkim | SCT | FWS | WS | WS | WS |
| 6. Gangetic West Bengal | SCT | SCT | FWS | FWS | SCT |
| 7. Odisha | FWS | SCT | FWS | SCT | SCT |
| 8. Jharkhand | FWS | SCT | FWS | FWS | SCT |
| 9. Bihar | ISOL | ISOL | FWS | FWS | FWS |
| 10. East Uttar Pradesh | SCT | SCT | FWS | WS | WS |
| 11. West Uttar Pradesh | ISOL | ISOL | ISOL | FWS | FWS |
| 12. Uttarakhand | SCT | SCT | FWS | WS | WS |
| 13. Haryana, Chd & Delhi | ISOL | ISOL | ISOL | SCT | SCT |
| 14. Punjab | SCT | ISOL | ISOL | ISOL | ISOL |
| 15. Himachal Pradesh | WS | FWS | SCT | SCT | SCT |
| 16. J & K and Ladakh | FWS | SCT | ISOL | SCT | SCT |
| 17. West Rajsthan | ISOL | ISOL | ISOL | ISOL | ISOL |
| 18. East Rajasthan | ISOL | ISOL | ISOL | ISOL | SCT |
| 19. West Madhya Pradesh | SCT | ISOL | ISOL | SCT | FWS |
| 20. East Madhya Pradesh | SCT | FWS | WS | WS | WS |
| 21. Gujarat Region | SCT | ISOL | ISOL | ISOL | ISOL |
| 22. Saurashtra & Kutch | ISOL | ISOL | ISOL | ISOL | DRY |
| 23. Konkan & Goa | FWS | FWS | FWS | WS | FWS |
| 24. Madhya Maharashtra | SCT | ISOL | ISOL | SCT | ISOL |
| 25. Marathawada | ISOL | ISOL | ISOL | ISOL | ISOL |
| 26. Vidharbha | SCT | SCT | FWS | WS | SCT |
| 27. Chhattisgarh | SCT | FWS | WS | WS | FWS |
| 28. Coastal A. P. & Yanam | SCT | FWS | FWS | FWS | FWS |
| 29. Telangana | ISOL | SCT | FWS | FWS | FWS |
| 30. Rayalaseema | SCT | FWS | FWS | FWS | FWS |
| 31. T.N.,Puducherry & Karaikal | FWS | FWS | FWS | FWS | WS |
| 32. Coastal Karnataka | WS | WS | WS | WS | WS |
| 33. North Interior Karnataka | SCT | SCT | SCT | FWS | FWS |
| 34. South Interior Karnataka | FWS | WS | WS | WS | WS |
| 35. Kerala & Mahe | WS | WS | WS | WS | WS |
| 36. Lakshadweep | WS | WS | WS | WS | WS |

% Station Reporting Rainfall

| % 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) |
| No Rain | Dry | | |

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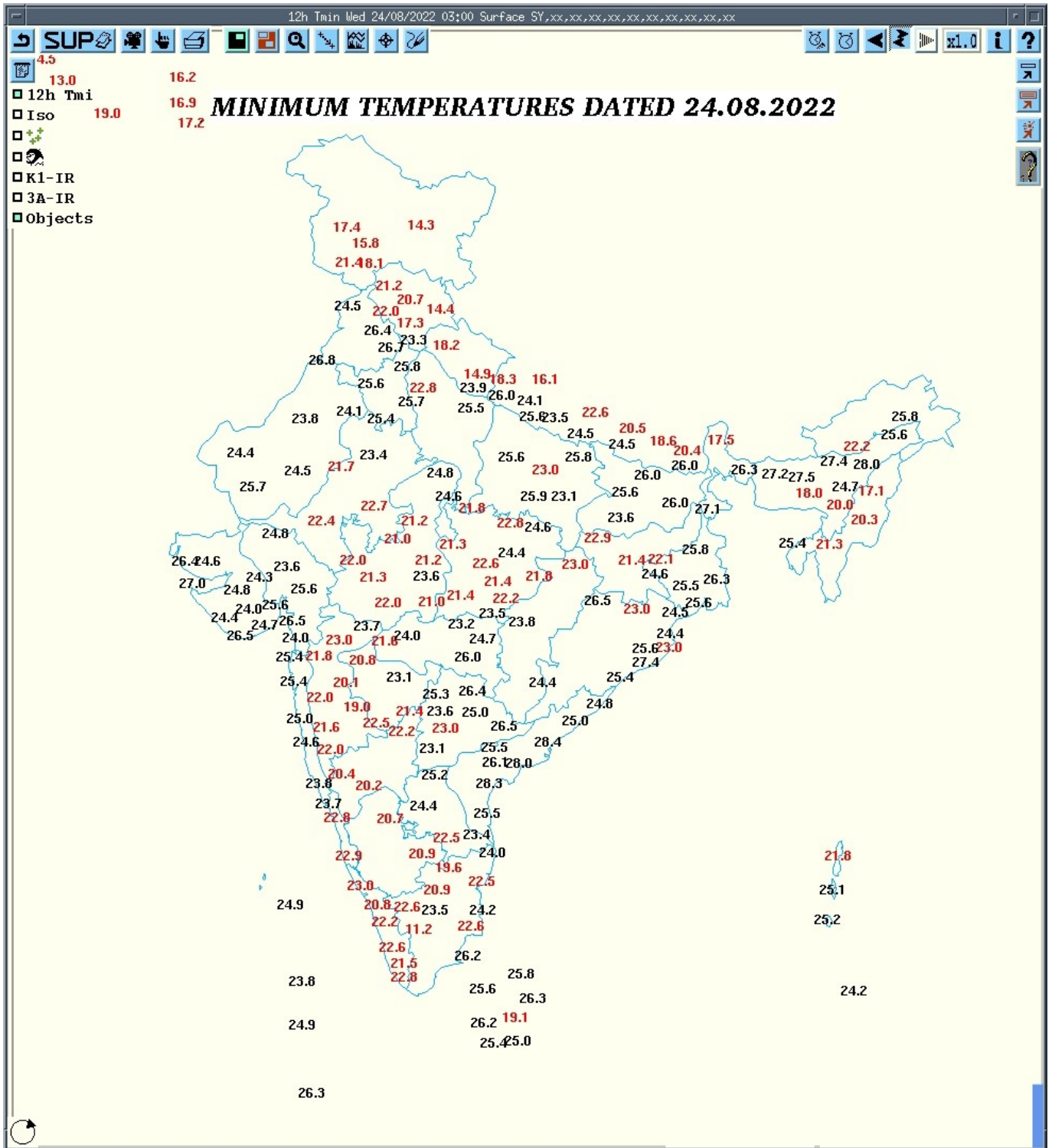
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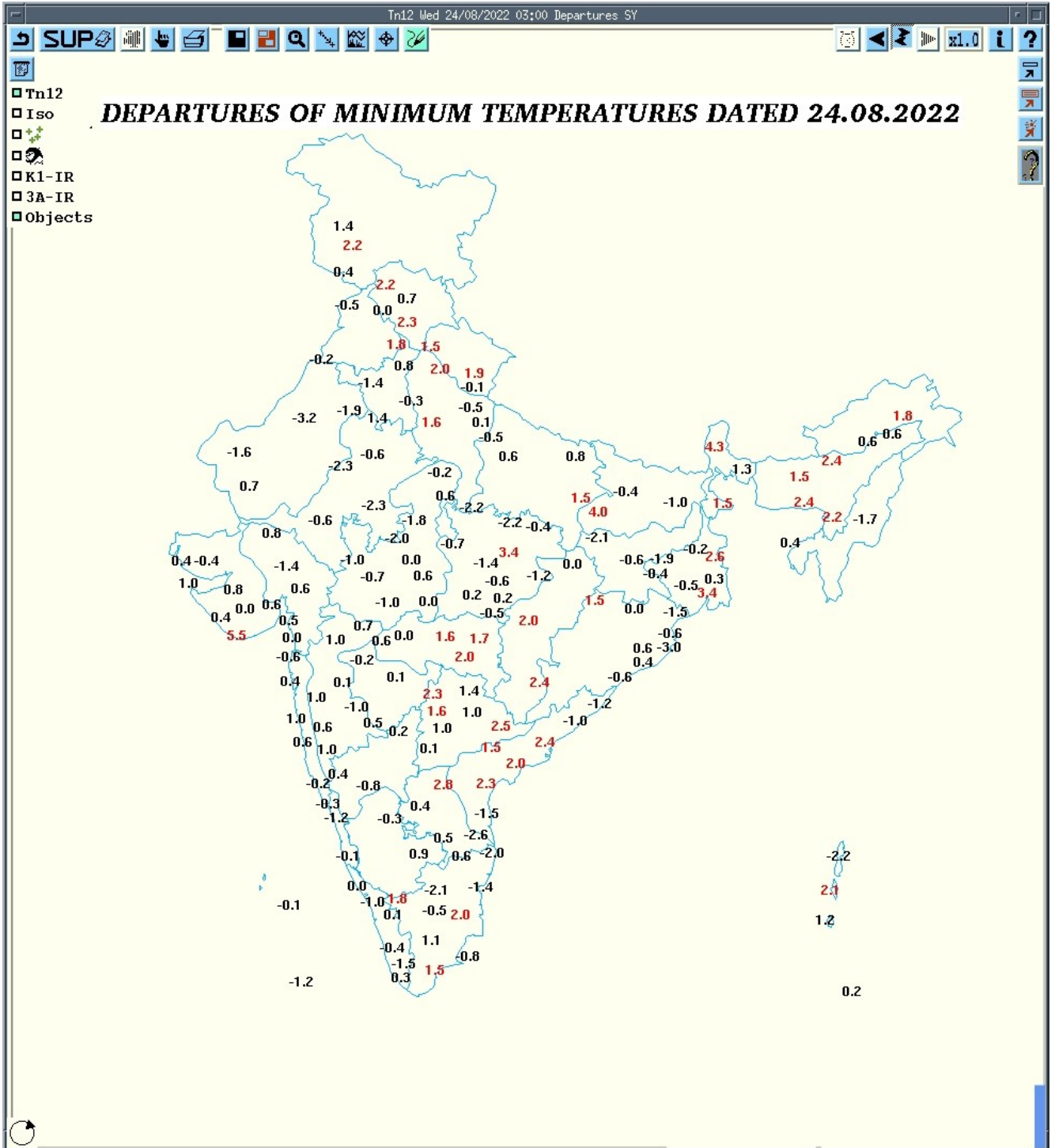
Fig. 3: Minimum Temperature during past 24 hours



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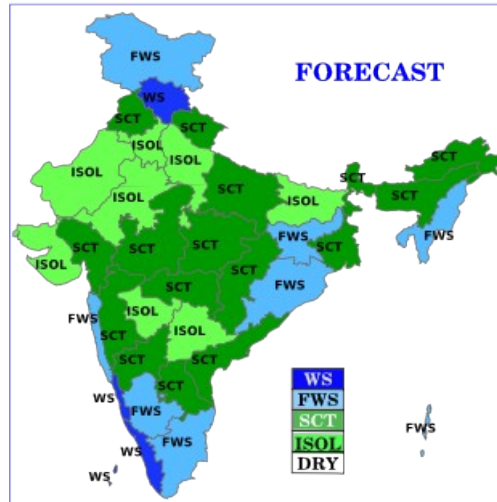


Fig. 5 : Departure from Normal of Minimum Temperatures



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Thursday 25 August 2022



25 Aug (Day 1): ♦ Heavy rainfall at isolated places very likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Odisha, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, East Uttar Pradesh, Vidarbha, Chhattisgarh, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, Interior Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** Squally weather (wind speed 40-50 kmph gusting to 60 kmph) very likely over along and off Karnataka and Kerala coasts, Lakshadweep area, adjoining Comorin area, south of southwest Bay of Bengal adjoining southeast Bay of Bengal. **Squally winds** of 45-55 kmph gusting to 65 kmph likely over west-central, adjoining east-central Arabian Sea and adjoining southwest Arabian Sea, along and off Somalia coast, southwest Bay of Bengal off south Sri Lanka coast, Comorin area, Gulf of Mannar. Fishermen are advised not to venture into these seas.

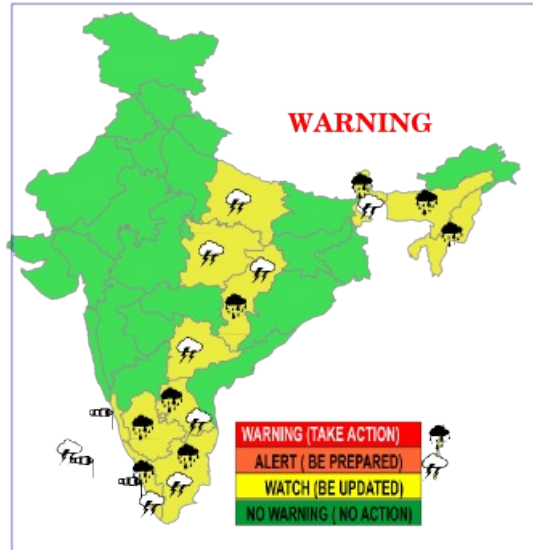
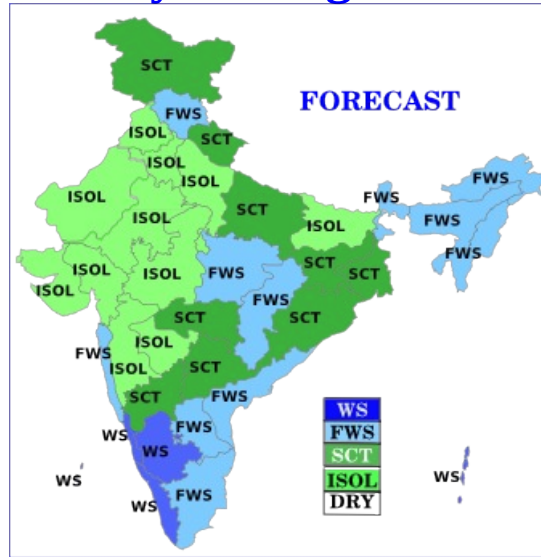
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Friday 26 August 2022



26 Aug (Day 2): ♦ Heavy rainfall at isolated places very likely over Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Rayalaseema, South Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over East Uttar Pradesh, East Madhya Pradesh, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

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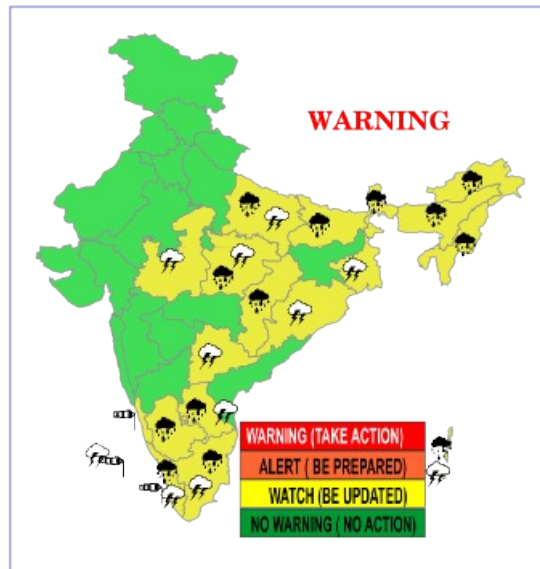
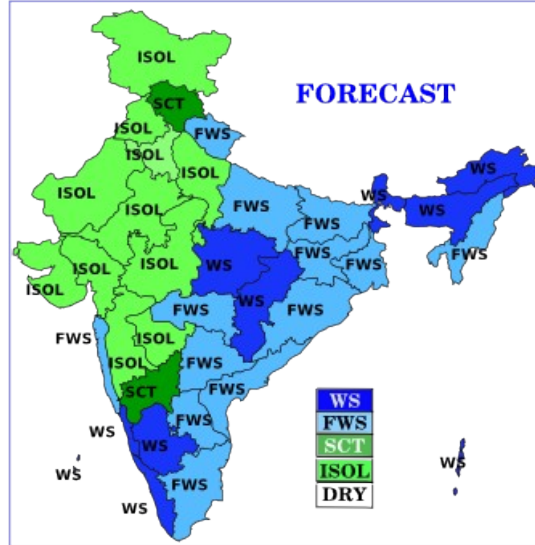
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Saturday 27 August 2022



27 Aug (Day 3): ♦ **Heavy to very heavy rainfall** at isolated places very likely over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya; **heavy rainfall** at isolated places likely over East Uttar Pradesh, East Madhya Pradesh, Chhattisgarh, Bihar, Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram & Tripura, Rayalaseema, South Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over East Uttar Pradesh, Madhya Pradesh, Gangetic West Bengal, Odisha, Andaman & Nicobar Islands, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

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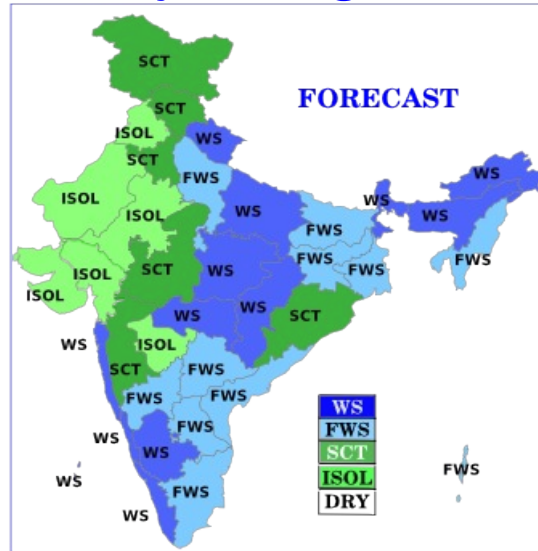
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Sunday 28 August 2022



28 Aug (Day 4): ♦ Heavy rainfall at isolated places likely over Uttarakhand, East Uttar Pradesh, East Madhya Pradesh, Bihar, Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Rayalaseema, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦**Thunderstorm accompanied with lightning** at isolated places likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Uttar Pradesh, East Madhya Pradesh, Gangetic West Bengal, Madhya Maharashtra, Marathwada, Rayalaseema, Telangana and Tamil Nadu, Puducherry & Karaikal.

♦**Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over south of southwest and adjoining southeast Bay of Bengal, along and off Sri Lanka coast. **Squally winds** of 45-55 kmph gusting to 65 kmph likely over west-central and adjoining southwest Arabian Sea, along and off Somalia coast. Fishermen are advised not to venture into these seas.

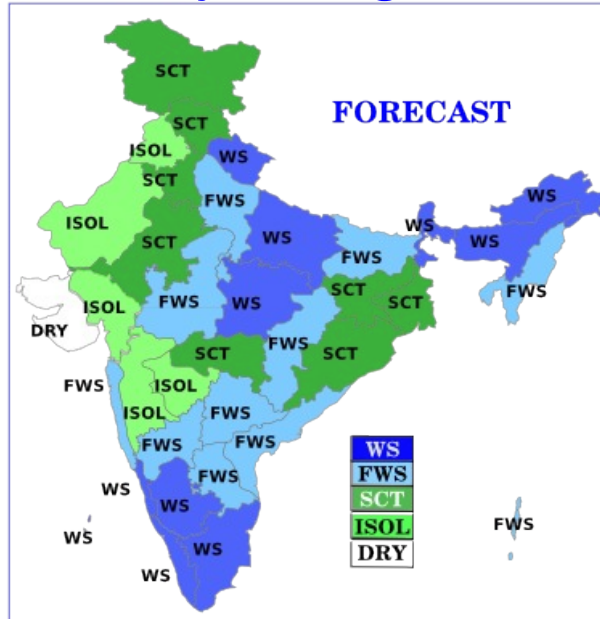
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Monday 29 August 2022



29 Aug (Day 5): ♦ **Heavy rainfall** at isolated places likely over Uttarakhand, East Uttar Pradesh, East Madhya Pradesh, Bihar, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Rayalaseema, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over south Haryana, West Uttar Pradesh, East Rajasthan, West Madhya Pradesh, Rayalaseema, Telangana and Tamil Nadu, Puducherry & Karaikal.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over south of southwest and adjoining southeast Bay of Bengal, along and off Sri Lanka coast. **Squally winds** of 45-55 kmph gusting to 65 kmph likely over west-central and adjoining southwest Arabian Sea, along and off Somalia coast. Fishermen are advised not to venture into these seas.

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LEGENDS

- 1 अंडमान और निकोबार द्वीप समूह
- 2 अरुणाचल प्रदेश
- 3 असम और मेघालय
- 4 नागालैंड मनीपुर मीजोरम और त्रिपुरा
- 5 उप हिमालय पश्चिम बंगाल एंवम् सिक्किम
- 6 पश्चिम गंगोय बंगाल
- 7 ओडिशा
- 8 झारखंड
- 9 बिहार
- 10 पूर्वी उत्तर प्रदेश
- 11 पश्चिम उत्तर प्रदेश
- 12 उत्तराखंड
- 13 हरियाणा चंडिगढ़ एंवम् दिल्ली
- 14 पंजाब
- 15 हिमाचल प्रदेश
- 16 जम्मू एंवम् कश्मीर एंवम् लद्दाख
- 17 पश्चिम राजस्थान
- 18 पूर्वी राजस्थान
- 19 पश्चिम मध्य प्रदेश
- 20 पूर्वी मध्य प्रदेश
- 21 गुजरात क्षेत्र
- 22 सौराष्ट्र एंवम् कच्छ
- 23 कोंकण एंवम् गोवा
- 24 मध्य महाराष्ट्र
- 25 मराठावाडा
- 26 विदर्भ
- 27 छत्तीसगढ़
- 28 तटीय आंध्र प्रदेश एवं यनम
- 29 तेलंगाना
- 30 रायलसीमा
- 31 तमिलनाडु, पुदुचेरी एंवम् कराईकल
- 32 तटिय कर्नाटक
- 33 आंतरिक उत्तरी कर्नाटक
- 34 आंतरिक दक्षिणी कर्नाटक
- 35 केरल एंवम् 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. Orissa
8. Jharkhand
9. Bihar
10. East Uttar Pradesh
11. West Uttar Pradesh
12. Uttarakhand
13. Haryana, Chd & 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. Marathawada
26. Vidharbha
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) |

WARNING

| |
|--------------------------------|
| WARNING (TAKE ACTION) |
| ALERT (BE PREPARED) |
| WATCH (BE UPDATED) |
| NO WARNING (NO ACTION) |

Probabilistic Forecast

| Terms | Probability of Occurrence (%) |
|-------------|-------------------------------|
| Unlikely | < 25 |
| Likely | 25 - 50 |
| Very Likely | 50 - 75 |
| Most Likely | > 75 |



Heavy Rain



Heavy Snow



Thunderstorm



Dust Storm



Strong Winds



Visibility



Cyclone



Squall/ Hail



Frost



Cold Wave



Heat Wave



Sea State

* Red color warning does not mean "Red Alert" Red color 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 www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798

(Copies to the Media upto 1070)

LEGENDS

WARNING

| |
|-------------------------|
| WARNING (TAKE ACTION) |
| ALERT (BE PREPARED) |
| WATCH (BE UPDATED) |
| NO WARNING (NO ACTION) |

Probabilistic Forecast

| Terms | Probability of Occurrence (%) |
|-------------|-------------------------------|
| Unlikely | < 25 |
| Likely | 25 - 50 |
| Very Likely | 50 - 75 |
| Most Likely | > 75 |



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 $\geq -6.5^{\circ}\text{C}$

(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 $\leq -4.5^{\circ}\text{C}$ or 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 118-165 kmph (64 - 89 knots)

Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)

Super Cyclone Strom: Wind speed > 220 kmph (> 119 knots)

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