

Tuesday 06 December 2022

MORNING

Time of Issue: 0815 hours IST

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

♦ The Low Pressure Area over Southeast Bay of Bengal & adjoining south Andaman sea now lies as a **Well Marked Low Pressure Area** over Southeast Arabian Sea. The associated cyclonic circulation extends upto mid tropospheric levels. It is likely to move west-northwestwards and concentrate into a **Depression** over Southeast Bay of Bengal by 06th December evening. Thereafter, it is likely to continue to move west-northwestwards, intensify further gradually into a **Cyclonic Storm** and reach Southwest Bay of Bengal near north Tamil Nadu-Puducherry & adjoining south Andhra Pradesh coasts by 08th December morning.

Rainfall warning:

(i) **Heavy rainfall** very likely over Andaman & Nicobar Islands on 06th December, 2022.

(ii) Enhanced rainfall activity with rainfall at a few places with isolated heavy rainfall likely to commence over north coastal Tamil Nadu, Puducherry & Karaikal from 07th December mid-night. It is likely to increase with rainfall at most places with heavy to very heavy rainfall with extremely heavy falls at isolated places over north Tamil Nadu & Puducherry on 08th December, isolated heavy to very heavy rainfall over Tamil Nadu on 09th and isolated heavy rainfall over interior Tamil Nadu on 10th December.

(iii) Enhanced rainfall activity with rainfall at a few places with isolated heavy rainfall likely to commence over south Andhra Pradesh from 07th December mid-night. It is likely to increase with rainfall at most places with isolated heavy to very heavy rainfall on 08th December and isolated heavy rainfall on 09th & 10th December over south Andhra Pradesh.

Fishermen Warning:

⇒ Fishermen are advised not to venture into Andaman Sea on 6th; Southeast Bay of Bengal from 06th-07th; Southwest Bay of Bengal from 06th-09th; Along & off Sri Lanka coast from 06th-09th; Along & off Tamilnadu, Puducherry and South Andhra Pradesh coast and Gulf of Mannar from 07th-09th December.

Main Weather Observations

♦ **Rainfall/thundershower observed** (from 0830 hours IST to 1730 hours IST of yesterday): at **isolated places** over Tamil Nadu, Puducherry & Karaikal, Andaman & Nicobar Islands and Lakshadweep.

♦ **Chief rainfall amount recorded** (from 0830 hours IST to 1730 hours IST of yesterday) (in cm): Port-Blair - 1.

♦ **Fog observed** (at 0530 hours IST of today): **Dense fog** in isolated pockets over Punjab and Tripura and **Moderate fog** in isolated pockets over Delhi and East Uttar Pradesh.

♦ **Visibility recorded** (at 0530 hours IST of today)(in m): Amritsar and Kailashahar-200; Delhi (Safdarjung) and Varanasi-500.

♦ **Minimum Temperature Departures (as on 05-12-2022):** Minimum temperatures were **markedly above normal (5.1°C or more)** at most places over Madhya Maharashtra; **appreciably above normal (3.1°C to 5.0°C)** at most places over Marathwada; at a few places over West Madhya Pradesh and Coastal Andhra Pradesh; at isolated places over Vidarbha and Tamil Nadu, Puducherry & Karaikal; **above normal (1.6°C to 3.0°C)** at most places over Konkan & Goa and Rayalaseema; at many places over Uttarakhand, Gujarat Region and Karnataka; at a few places over Punjab, Bihar, East Madhya Pradesh and Saurashtra & Kutch; at isolated places over Uttar Pradesh, Assam & Meghalaya, West Rajasthan and Odisha. They were **below normal (-1.6°C to -3.0°C)** at many places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad; at isolated places over East Rajasthan and Gangetic West Bengal and near normal over rest parts of the country. **Yesterday, the lowest minimum temperature of 5.0°C** was reported at **Churu (West Rajasthan)** over the plains of the country.

♦ **Maximum Temperature Departures (as on 05-12-2022):** Maximum temperatures were **appreciably above normal (3.1 °C to 5.1 °C)** at many places over Assam & Meghalaya; at a few places over Sub-Himalayan West Bengal & Sikkim; **above normal (1.6 °C to 3.0 °C)** at most places over Nagaland, Manipur, Mizoram & Tripura; at many places over Rayalaseema and North Interior Karnataka; at a few places over Himachal Pradesh, Vidarbha, Arunachal Pradesh, Madhya Maharashtra, Marathwada, Telangana and Tamil Nadu, Puducherry & Karaikal; at isolated places over East Madhya Pradesh and Gujarat Region. They were **appreciably below normal (-3.1 °C to -5.1 °C)** at a few places over Andaman & Nicobar Islands; **below normal (-1.6 °C to -3.0 °C)** at many places over Haryana, Chandigarh & Delhi; at a few places over West Rajasthan and Gujarat Region and **near normal** over rest parts of the country. **Yesterday, the highest maximum temperature of 35.4°C** was reported at **Honavar (Coastal Karnataka)** over the country.

* 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

(Sealed by the Station since 1877)

Meteorological Analysis (Based on 0530 hours IST)

- ◆ The Low Pressure Area over Southeast Bay of Bengal & adjoining south Andaman sea now lies as a **Well Marked Low Pressure Area** over Southeast Bay of Bengal. The associated cyclonic circulation extends upto mid tropospheric levels. It is likely to move west-northwestwards and concentrate into a **Depression** over Southeast Bay of Bengal by today evening. Thereafter, it is likely to continue to move west-northwestwards, intensify further gradually into a Cyclonic Storm and reach Southwest Bay of Bengal near north Tamil Nadu-Puducherry & adjoining south Andhra Pradesh coasts by 08th December morning.
- ◆ The western disturbance as a trough in middle and upper tropospheric westerlies with its axis at 5.8 km above mean sea level roughly along Long.74°E to the North of Lat.32°N persists.
- ◆ A fresh feeble western disturbance likely to affect Western Himalayan Region from the night of 07th December, 2022.

Weather Forecast for next 5 days * upto 0830 hours IST of 11th December, 2022

- ◆ Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- ◆ Gradual fall in minimum temperatures by 2-3°C likely over Maharashtra during next 2 days and rise by 2-3°C during subsequent 2 days.
- ◆ No significant change in minimum temperatures likely over remaining parts of the country during next 4-5 days.
- ◆ Shallow to moderate fog likely at isolated pockets over parts of Odisha, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during next 2-3 days.

Weather Outlook for subsequent 2 days during 11th-13th December, 2022

- ◆ Fairly Widespread to widespread light/moderate rainfall likely over south Peninsular India and Islands and isolated to scattered light rainfall over Maharashtra, south Madhya Pradesh, Chhattisgarh and Odisha.
- ◆ Isolated to scattered light rainfall/snowfall likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad.
- ◆ Dry weather likely over rest parts of the country.

Weather Warning during next 5 days *

06 Dec (Day 1): ♦ Dense fog in isolated pockets very likely over Himachal Pradesh and Punjab.

♦ **Heavy rainfall** at isolated places very likely over Andaman & Nicobar Islands.

♦ **Thundersquall (speed reaching 50-60 kmph)** at isolated places very likely over Andaman & Nicobar Islands

♦ **Squally weather with wind speed reaching 40-45 kmph gusting to 55 kmph** very likely over Andaman & Nicobar Islands and Andaman Sea.

♦ **Squally winds (speed 45-55 kmph gusting to 65 kmph)** likely over Southeast Bay of Bengal and over Southwest & adjoining Southeast Bay of Bengal. Fishermen are advised not to venture into these areas.

07 Dec (Day 2): ♦ Dense fog in isolated pockets very likely over Himachal Pradesh.

♦ **Heavy rainfall** at isolated places very likely over south Coastal Andhra Pradesh and north coastal Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Coastal Andhra Pradesh, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Squally wind speed reaching 45-55 kmph gusting to 65 kmph** likely over Southeast Bay of Bengal. **Squally wind speed reaching 55-65 kmph gusting to 75 kmph** over Southwest Bay of Bengal and speed reaching **40-50 kmph gusting to 60 kmph** likely to prevail over Gulf of Mannar. Fishermen are advised not to venture into these areas.

08 Dec (Day 3): ♦ Heavy to very heavy rainfall at a few places with **extremely heavy falls** at isolated places likely over north Tamilnadu & Puducherry and **heavy to very heavy rainfall** at isolated places over south Coastal Andhra Pradesh and adjoining districts of Rayalaseema.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over South Interior Karnataka, Coastal Andhra Pradesh, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Squally wind speed reaching 70-80 kmph gusting to 90 kmph** over Southwest Bay of Bengal and speed reaching **40-50 kmph gusting to 60 kmph** likely to prevail along & off Tamilnadu, Puducherry, south Andhra Pradesh and north Sri Lanka coasts coast and Gulf of Mannar. Fisherman are advised not to venture into these areas.

09 Dec (Day 4): ♦ Heavy to very heavy rainfall at isolated places likely over Tamilnadu and heavy rainfall at isolated places over South Interior Karnataka, Rayalaseema, south Coastal Andhra Pradesh and Kerala & Mahe.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over South Interior Karnataka, Coastal Andhra Pradesh, Tamil Nadu, Puducherry & Karaikal, Lakshadweep and Kerala & Mahe.

♦ **Squally wind speed reaching 60-70 kmph gusting to 80 kmph** over Southwest Bay of Bengal and speed reaching **40-50 kmph gusting to 60 kmph** likely to prevail along & off Tamilnadu, Puducherry, south Andhra Pradesh and north Sri Lanka coasts coast and Gulf of Mannar. Fisherman are advised not to venture into these areas.

10 Dec (Day 5): ♦ Heavy rainfall at isolated places likely over interior Tamilnadu, South Interior Karnataka, Rayalaseema, south Coastal Andhra Pradesh and Kerala & Mahe.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over South Interior Karnataka, Coastal Andhra Pradesh, Tamil Nadu, Puducherry & Karaikal, Lakshadweep and Kerala & Mahe.

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.



Table-1

5 Day Rainfall Forecast (MORNING)

06-December-2022

| Met-Sub-Division | 06-Dec Today | 07Dec Wed | 08Dec Thu | 09Dec Fri | 10Dec Sat |
|---------------------------------|-----------------|--------------|--------------|--------------|--------------|
| 1. Andaman & Nicobar Islands | WS | WS | FWS | FWS | FWS |
| 2. Arunachal Pradesh | DRY | DRY | DRY | DRY | DRY |
| 3. Assam & Meghalaya | DRY | DRY | DRY | DRY | DRY |
| 4. N. M. M. & T. | DRY | DRY | DRY | DRY | DRY |
| 5. S.H. West Bengal & Sikkim | DRY | DRY | DRY | DRY | DRY |
| 6. Gangetic West Bengal | DRY | DRY | DRY | DRY | DRY |
| 7. Odisha | DRY | DRY | DRY | DRY | ISOL |
| 8. Jharkhand | DRY | DRY | DRY | DRY | DRY |
| 9. Bihar | DRY | DRY | DRY | DRY | DRY |
| 10. East Uttar Pradesh | DRY | DRY | DRY | DRY | DRY |
| 11. West Uttar Pradesh | DRY | DRY | DRY | DRY | DRY |
| 12. Uttarakhand | DRY | DRY | DRY | DRY | DRY |
| 13. Haryana, Chd & Delhi | DRY | DRY | DRY | DRY | DRY |
| 14. Punjab | DRY | DRY | DRY | DRY | DRY |
| 15. Himachal Pradesh | DRY | DRY | ISOL | ISOL | ISOL |
| 16. J & K and Ladakh | DRY | DRY | ISOL | ISOL | SCT |
| 17. West Rajsthan | DRY | DRY | DRY | DRY | DRY |
| 18. East Rajasthan | DRY | DRY | DRY | DRY | DRY |
| 19. West Madhya Pradesh | DRY | DRY | DRY | DRY | DRY |
| 20. East Madhya Pradesh | DRY | DRY | DRY | DRY | DRY |
| 21. Gujarat Region | DRY | DRY | DRY | DRY | DRY |
| 22. Saurashtra & Kutch | DRY | DRY | DRY | DRY | DRY |
| 23. Konkan & Goa | DRY | DRY | ISOL | ISOL | ISOL |
| 24. Madhya Maharashtra | DRY | DRY | DRY | ISOL | ISOL |
| 25. Marathawada | DRY | DRY | DRY | DRY | DRY |
| 26. Vidharbha | DRY | DRY | DRY | DRY | DRY |
| 27. Chhattisgarh | DRY | DRY | DRY | DRY | ISOL |
| 28. Coastal A. P. & Yanam | ISOL | SCT | FWS | FWS | FWS |
| 29. Telangana | DRY | DRY | ISOL | ISOL | ISOL |
| 30. Rayalaseema | DRY | ISOL | SCT | FWS | FWS |
| 31. T.N., Puducherry & Karaikal | ISOL | SCT | FWS | WS | FWS |
| 32. Coastal Karnataka | DRY | DRY | ISOL | ISOL | ISOL |
| 33. North Interior Karnataka | DRY | DRY | ISOL | ISOL | ISOL |
| 34. South Interior Karnataka | DRY | ISOL | SCT | FWS | FWS |
| 35. Kerala & Mahe | SCT | SCT | FWS | FWS | FWS |
| 36. Lakshadweep | SCT | SCT | SCT | FWS | FWS |

% 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 | | |

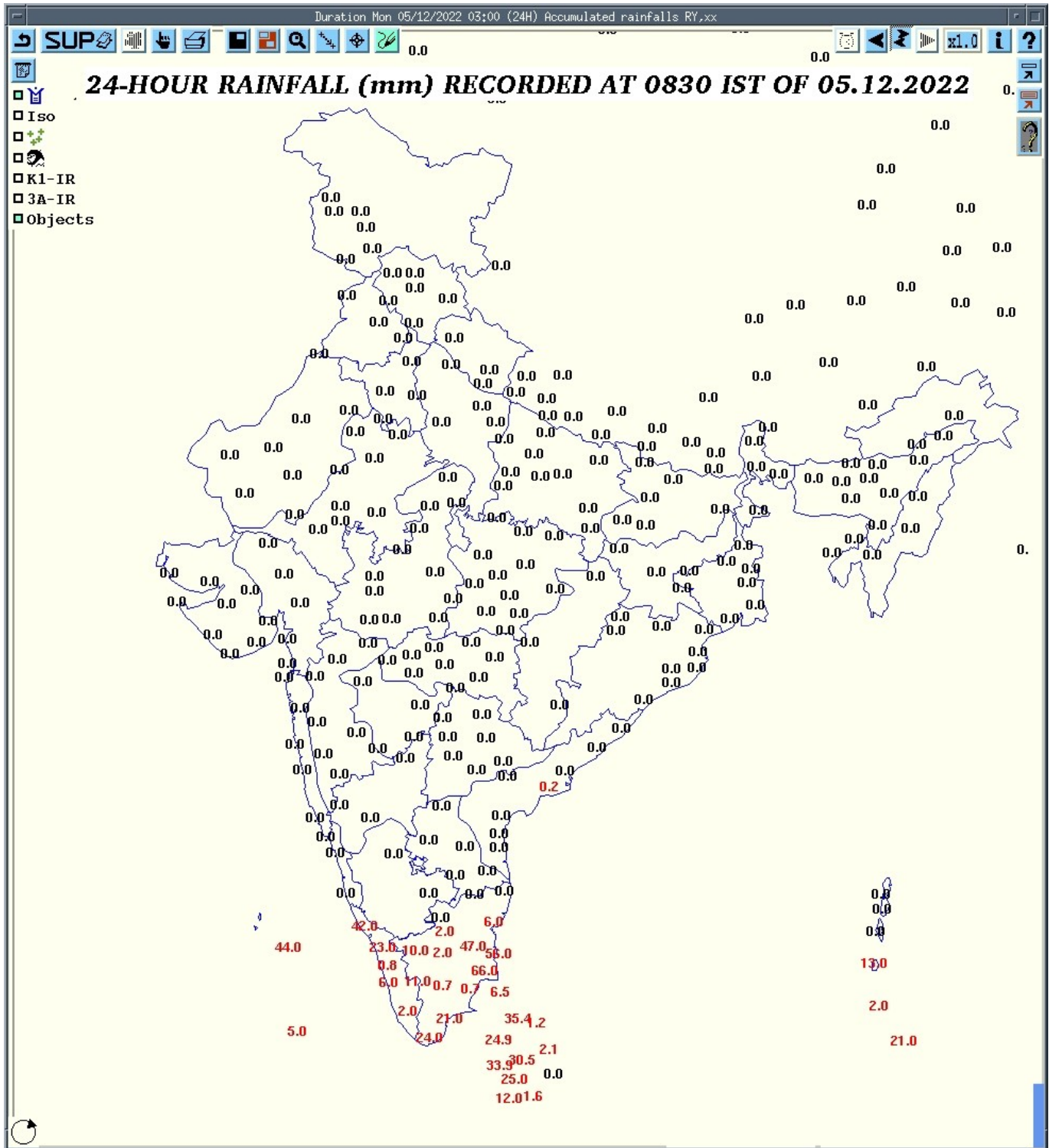
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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 since 1977)

Fig. 1: Accumulated Rainfall (mm) during past 24 hours



* 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

(Created by the Nation since 1975)

Fig. 2: Maximum Temperature during past 24 hours

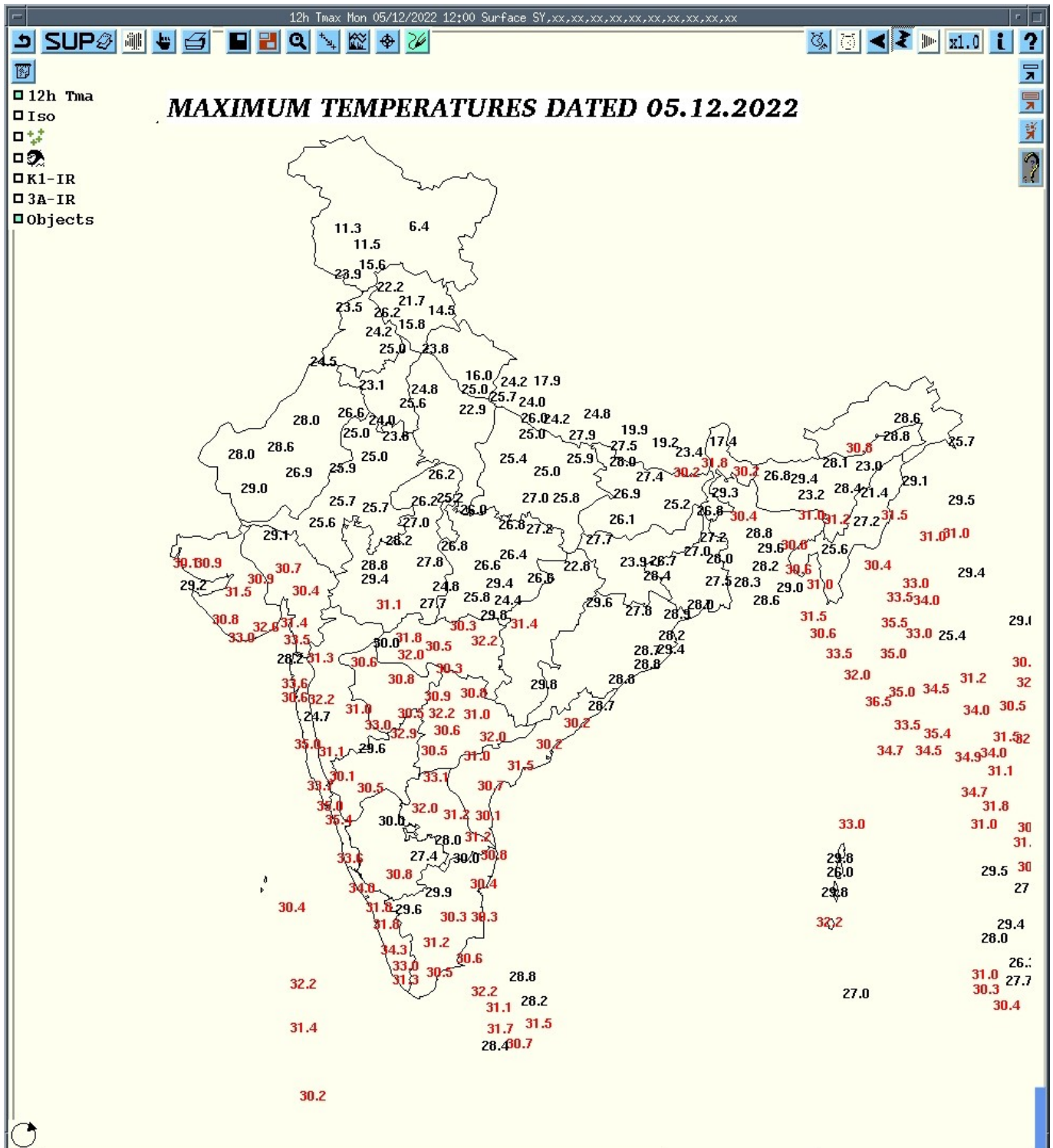
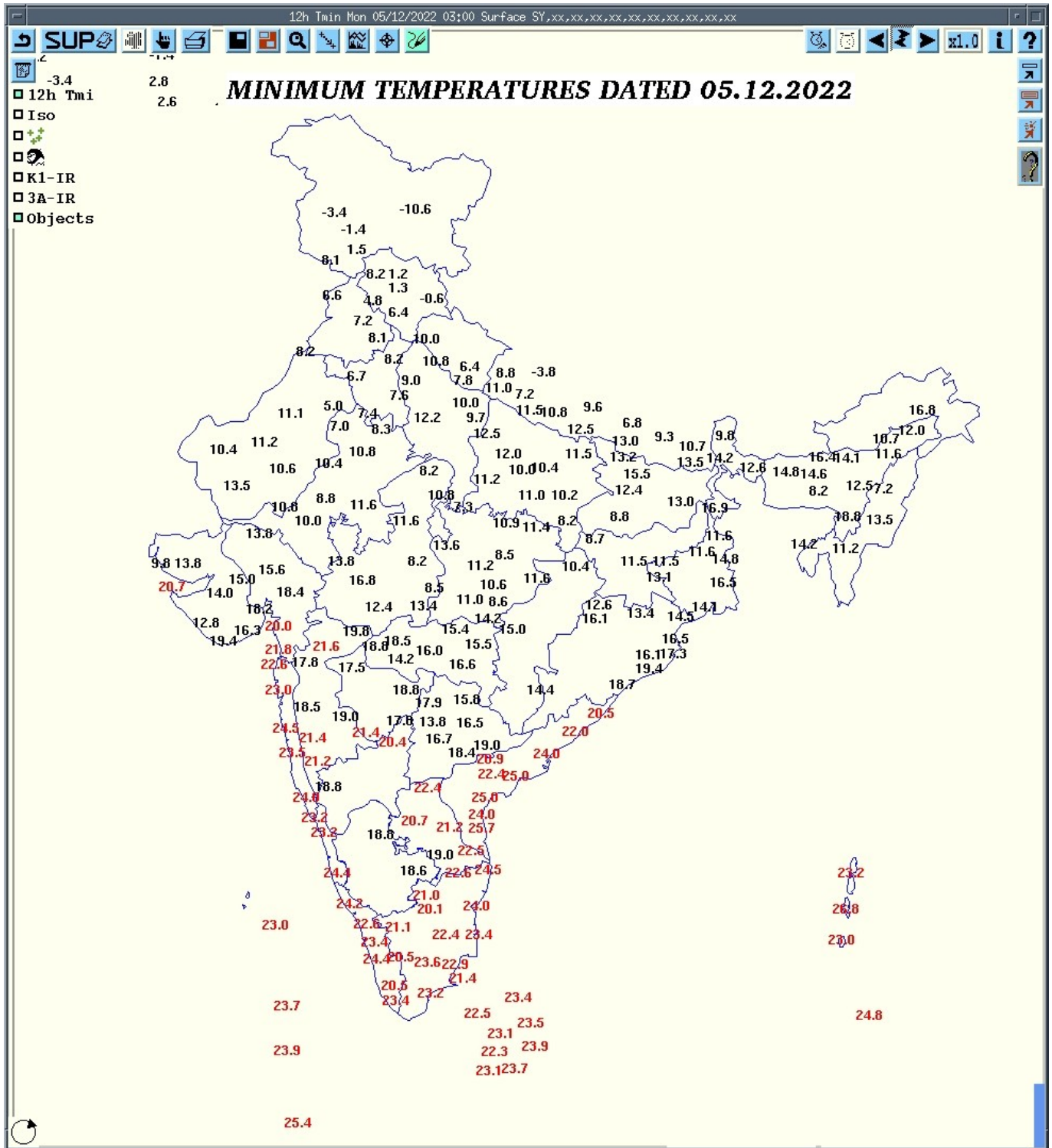


Fig. 3: Minimum Temperature during past 24 hours



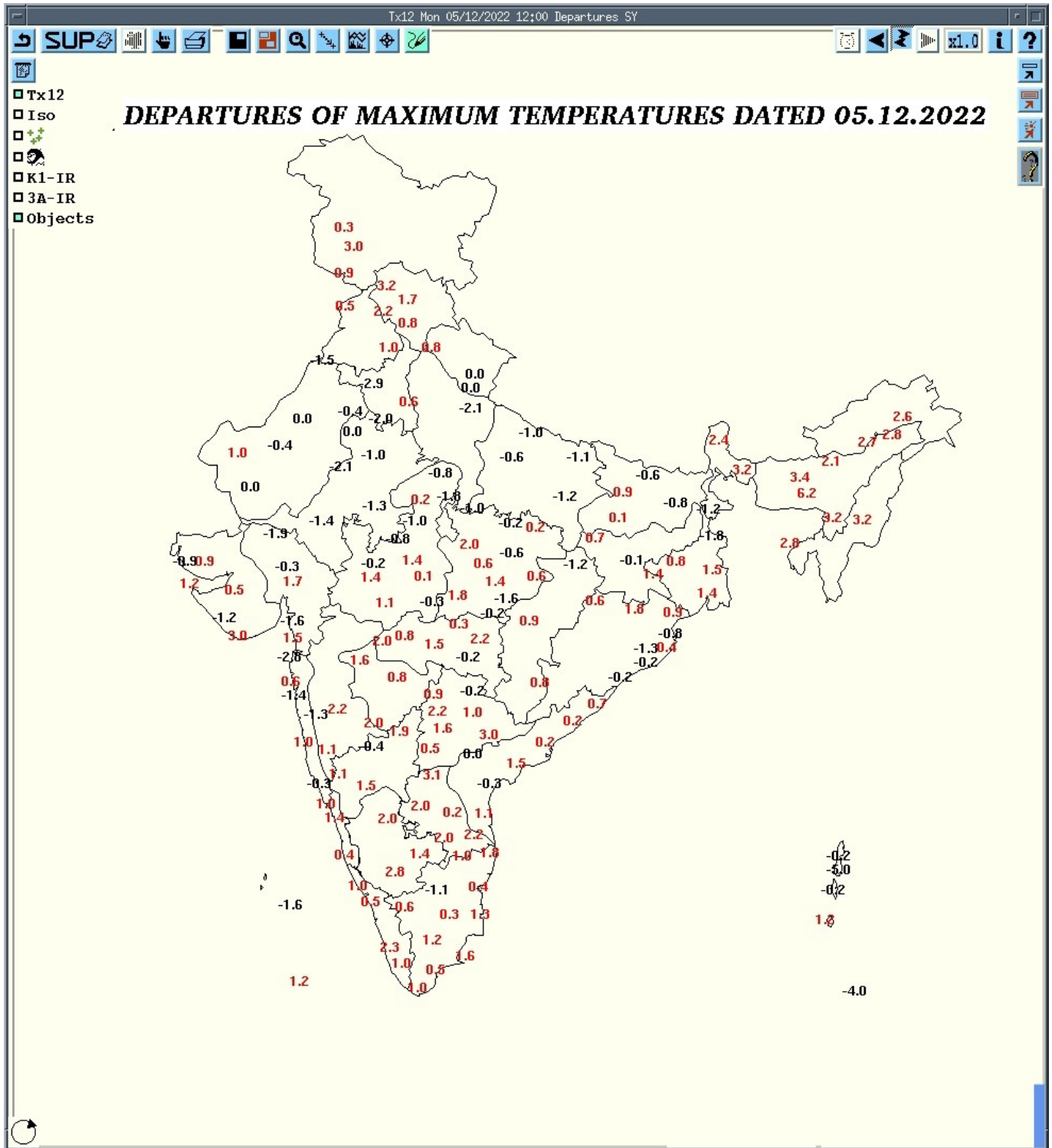
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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

(Created by the Nation since 1975)

Fig. 4: Departure from Normal of Maximum Temperatures



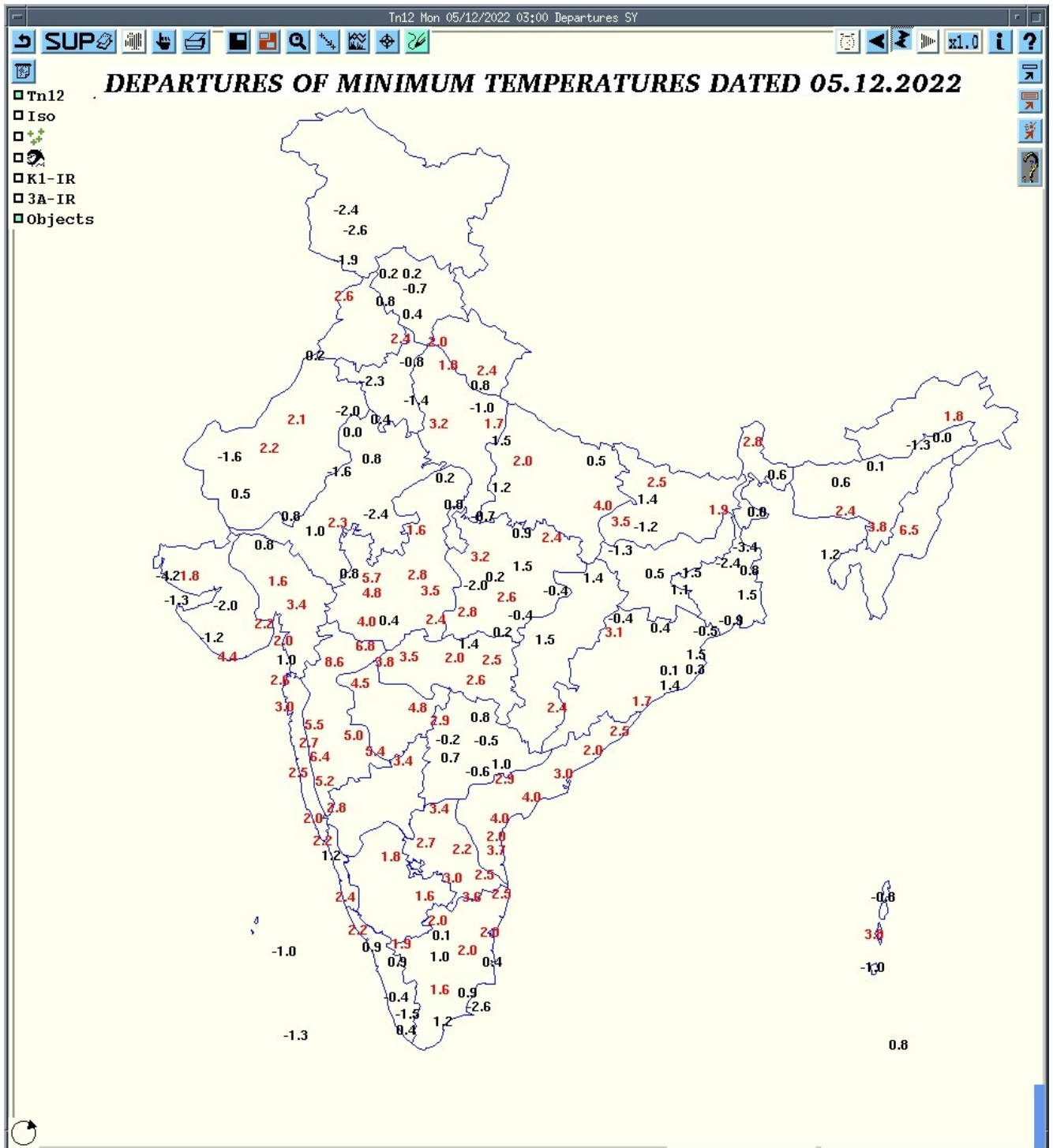
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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

(Created by the MetInfo since 1977)

Fig. 5: Departure from Normal of Minimum Temperatures



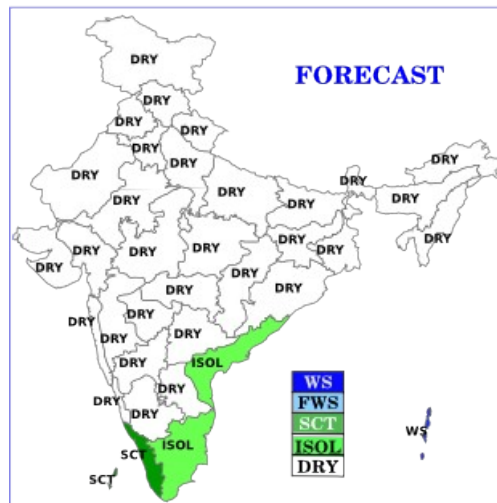
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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

© 2000 by the American Psychological Association

Tuesday 06 December 2022



06 Dec (Day 1): ♦ Dense fog in isolated pockets very likely over Himachal Pradesh and Punjab.

♦ **Heavy rainfall** at isolated places very likely over Andaman & Nicobar Islands.

♦ **Thundersquall (speed reaching 50-60 kmph)** at isolated places very likely over Andaman & Nicobar Islands

♦ **Squally weather with wind speed reaching 40-45 kmph gusting to 55 kmph** very likely over Andaman & Nicobar Islands and Andaman Sea.

♦ **Squally winds (speed 45-55 kmph gusting to 65 kmph)** likely over Southeast Bay of Bengal and over Southwest & adjoining Southeast Bay of Bengal. Fishermen are advised not to venture into these areas.

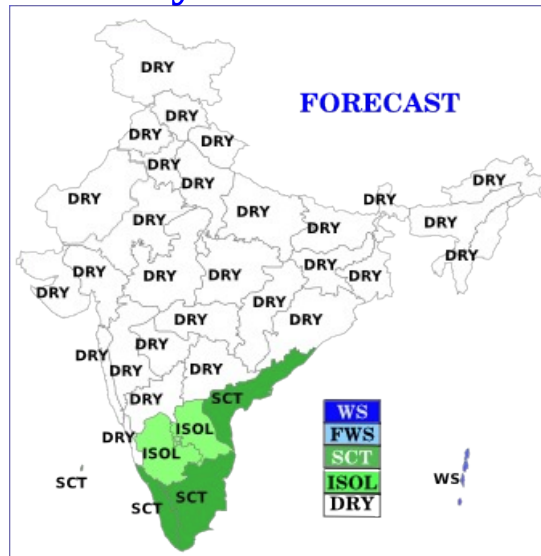
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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 since 1977)

Wednesday 07 December 2022



07 Dec (Day 2): ♦ Dense fog in isolated pockets very likely over Himachal Pradesh.

♦ **Heavy rainfall** at isolated places very likely over south Coastal Andhra Pradesh and north coastal Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Coastal Andhra Pradesh, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Squally wind speed reaching 45-55 kmph gusting to 65 kmph** likely over Southeast Bay of Bengal. **Squally wind speed reaching 55-65 kmph gusting to 75 kmph** over Southwest Bay of Bengal and speed reaching **40-50 kmph gusting to 60 kmph** likely to prevail over Gulf of Mannar. Fishermen are advised not to venture into these areas.

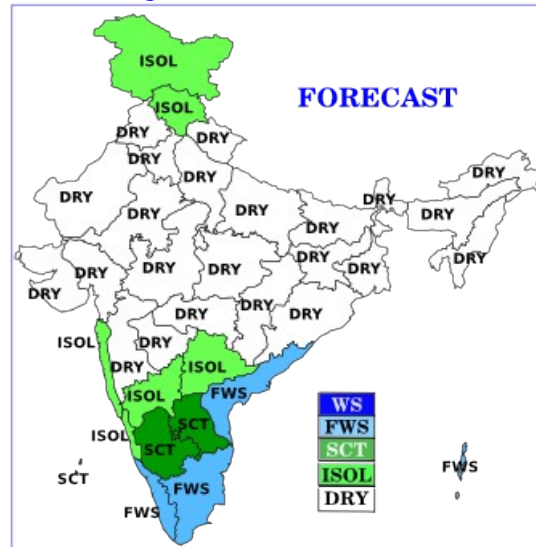
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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 Nation since 1975)

Thursday 08 December 2022



08 Dec (Day 3): ♦ Heavy to very heavy rainfall at a few places with **extremely heavy falls** at isolated places likely over north Tamilnadu & Puducherry and **heavy to very heavy rainfall** at isolated places over south Coastal Andhra Pradesh and adjoining districts of Rayalaseema.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over South Interior Karnataka, Coastal Andhra Pradesh, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Squally wind speed reaching 70-80 kmph gusting to 90 kmph** over Southwest Bay of Bengal and speed reaching **40-50 kmph gusting to 60 kmph** likely to prevail along & off Tamilnadu, Puducherry, south Andhra Pradesh and north Sri Lanka coasts coast and Gulf of Mannar. Fisherman are advised not to venture into these areas.

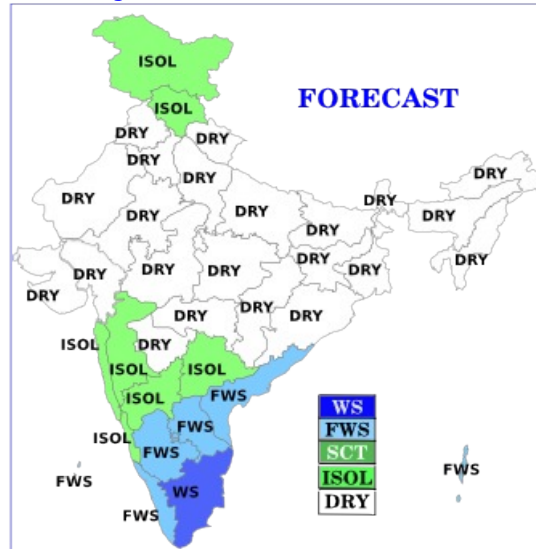
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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 Nation since 1975)

Friday 09 December 2022



09 Dec (Day 4): ♦ Heavy to very heavy rainfall at isolated places likely over Tamilnadu and heavy rainfall at isolated places over South Interior Karnataka, Rayalaseema, south Coastal Andhra Pradesh and Kerala & Mahe.

♦**Thunderstorm accompanied with lightning** at isolated places likely over South Interior Karnataka, Coastal Andhra Pradesh, Tamil Nadu, Puducherry & Karaikal, Lakshadweep and Kerala & Mahe.

♦ **Squally wind speed reaching 60-70 kmph gusting to 80 kmph** over Southwest Bay of Bengal and speed reaching **40-50 kmph gusting to 60 kmph** likely to prevail along & off Tamilnadu, Puducherry, south Andhra Pradesh and north Sri Lanka coasts coast and Gulf of Mannar. Fisherman are advised not to venture into these areas.

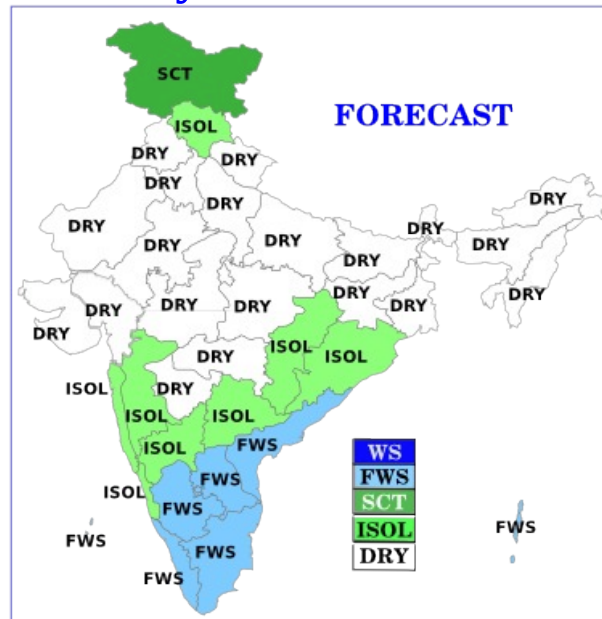
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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 Nation since 1975)

Saturday 10 December 2022



10 Dec (Day 5): ♦ Heavy rainfall at isolated places likely over interior Tamilnadu, South Interior Karnataka, Rayalaseema, south Coastal Andhra Pradesh and Kerala & Mahe.

♦Thunderstorm accompanied with lightning at isolated places likely over South Interior Karnataka, Coastal Andhra Pradesh, Tamil Nadu, Puducherry & Karaikal, Lakshadweep and Kerala & Mahe.

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

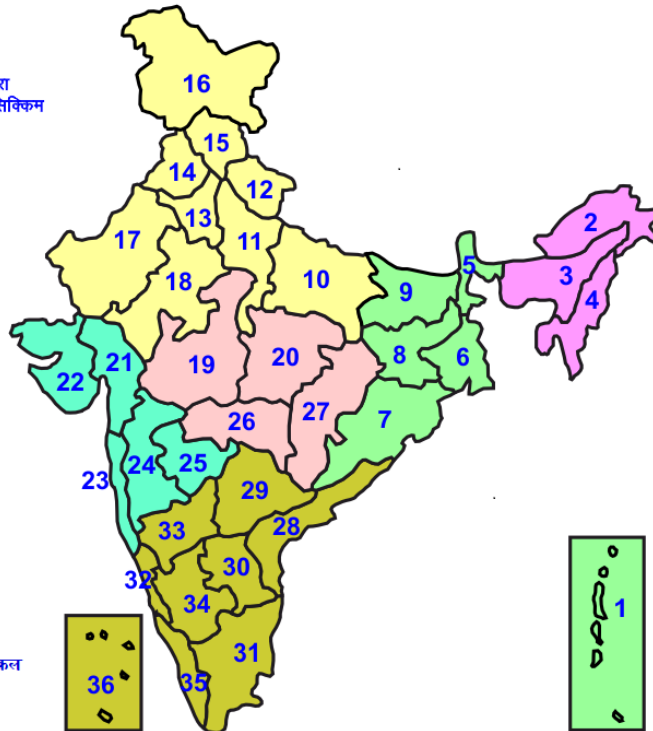
Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798

(Created by the Nation since 1975)

LEGENDS

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

(Created by the National since 1975)



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)

* 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

(Severely the Nation since 1977)