



Wednesday 02 November 2022

NIGHT

Time of Issue: 1930 hours IST

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather systems, rainfall/thunderstorm Forecast & Warnings:

- ◆ A Cyclonic circulation lies over Tamil Nadu & neighbourhood and a trough runs from this system to North Interior Karnataka in lower & middle tropospheric levels.
- ◆ Northeasterly winds are prevailing along & off north Tamil Nadu and adjoining coastal areas of south Andhra Pradesh.
- ◆ Under their influence; Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely to continue over Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe during 02nd–06th November; Coastal Andhra Pradesh & Yanam, Rayalaseema and South Interior Karnataka on 02nd November, 2022. **Isolated very heavy rainfall** also very likely over Tamil Nadu, Puducherry & Karaikal on 04th & 05th November, 2022.
- ◆ Under the influence of a fresh Western Disturbance; Scattered/Fairly widespread light/moderate rainfall/snowfall likely over Jammu, Kashmir, Ladakh, Gilgit Baltistan & Muzaffarabad and Himachal Pradesh during 04th-06th; isolated light/moderate rainfall/snowfall over Uttarakhand on 06th and isolated rainfall over Punjab on 05th & 06th November, 2022.

Main Weather Observations

- ◆ **Rainfall/thundershower observed (from 0830 hours IST to 1730 hours IST of today): at most places over Rayalaseema; at many places over Tamil Nadu, Puducherry & Karaikal; at a few places over Coastal Andhra Pradesh & Yanam and South Interior Karnataka and at isolated places over Assam & Meghalaya, Coastal Karnataka, Kerala & Mahe and Lakshadweep.**
- ◆ **Chief amount of Rainfall observed (from 0830 hours IST to 1730 hours IST of today)(1 cm or more):** Kavali-3; Nellore, Pondicherry, Thanjavur & Kanyakumari-2 each; Ongole, Arogyavaram, Vellore, Tiruppattur, Dharmapuri, Cuddalore & Honavar-1 each.
- ◆ **Thunderstorm/lightning observed (from 0830 hours IST to 1730 hours IST of today):** at isolated places over Kerala & Mahe.
- ◆ **Minimum Temperature Departures (as on 02-11-2022):** Minimum temperatures are markedly above **normal (5.1°C or more)** at isolated places over West Rajasthan; **appreciably above normal (3.1°C to 5.0°C)** at many places over Punjab; at isolated places over Haryana; **above normal (1.6°C to 3.0°C)** at many places over Jammu, Kashmir & Ladakh, Gilgit, Baltistan, Muzaffarabad, Uttarakhand and Himachal Pradesh; at a few places over Uttar Pradesh, Bihar and Odisha; at isolated places over West Madhya Pradesh, Telangana, Coastal Andhra Pradesh & Yanam and Saurashtra and Kutch. They are **below normal (-1.6°C to -3.0°C)** at many places over Konkan & Goa; at a few places over East Madhya Pradesh and Vidarbha; at isolated places over Nagaland, Manipur, Mizoram & Tripura, West Madhya Pradesh Madhya Maharashtra and Tamil Nadu, Puducherry & Karaikal and **near normal** over rest parts of the country. **Today, the lowest minimum temperature of 12.0°C is reported at Khargone (West Madhya Pradesh) & Jalgaon (Madhya Maharashtra)** over the plains of the country.
- ◆ **Maximum Temperature Departures (as on 02-11-2022):** Maximum temperatures are **above normal (1.6°C to 3.0°C)** at many places over Himachal Pradesh and East Rajasthan; at a few places over Uttarakhand, West Rajasthan, West Bengal & Sikkim, Assam & Meghalaya, Odisha and Gujarat State; at isolated places over Madhya Pradesh, Coastal Karnataka, Kerala & Mahe and Lakshadweep. They are **appreciably below normal (-3.1°C to -5.0°C)** at many places over Rayalaseema; at isolated places over Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal; **below normal (-1.6°C to -3.0°C)** at a few places over South Interior Karnataka; at isolated places over Haryana, Chandigarh & Delhi, East Uttar Pradesh and Telangana and **near normal** over rest parts of the country. Today, the **highest maximum temperature of 38.0°C is reported at Bhuj (Saurashtra & Kutch)** over the country.

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

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(Circle as the National office 4870)



Meteorological Analysis (Based on 1730 hours IST)

- ◆ The cyclonic circulation over Tamil Nadu & neighbourhood extending upto 7.6 km above mean sea level persists.
- ◆ The trough from above cyclonic circulation over Tamil Nadu & neighbourhood to North Interior Karnataka between 1.5 km & 5.8 km above mean sea level persists.
- ◆ The Western Disturbance as a trough in westerlies with its axis at 5.8 km above mean sea level roughly along Long. 75°E to the north of Lat. 26°N persists.
- ◆ A fresh Western Disturbance is very likely to affect Western Himalayan Region from 04th & adjoining plains from 05th November, 2022.

Weather Forecast for next 5 days * upto 0830 hours IST of 07th November, 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.
- ◆ Shallow to moderate fog likely at isolated pockets during early morning hours over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during next 5 days.

Weather Outlook for subsequent 2 days During 07th-09th November, 2022

- ◆ Fairly Widespread/Widespread light/moderate rainfall over parts of south peninsular India & Islands with isolated heavy falls likely over Tamil Nadu and Kerala.
- ◆ Scattered to fairly widespread light/moderate rainfall/snowfall likely over western Himalayan region and isolated light rainfall over adjoining plains of northwest India.
- ◆ Dry weather likely over rest parts of the country.



Weather Warning during next 5 days *

02 Nov (Day 1): ♦ Heavy rainfall very likely at isolated places over South Interior Karnataka, Coastal Andhra Pradesh & Yanam, Rayalaseema, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

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

03 Nov (Day 2): ♦ Heavy rainfall very likely at isolated places over Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

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

04 Nov (Day 3): ♦ Heavy to very heavy rainfall very likely at isolated places over Tamil Nadu, Puducherry & Karaikal; **Heavy rainfall** very likely at isolated places over Kerala & Mahe.

♦ **Thunderstorm accompanied with lightning** very likely at isolated places over Kerala & Mahe.

05 Nov (Day 4): ♦ Heavy to very heavy rainfall very likely at isolated places over Tamil Nadu, Puducherry & Karaikal; **Heavy rainfall** very likely at isolated places over Kerala & Mahe.

♦ **Thunderstorm accompanied with lightning** very likely at isolated places over Kerala & Mahe.

06 Nov (Day 5): ♦ Heavy rainfall very likely at isolated places over Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** very likely at isolated places over 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 (NIGHT)
02-November-2022

Met-Sub-Division	02-Nov Today	03Nov Thu	04Nov Fri	05Nov Sat	06Nov Sun
1. Andaman & Nicobar Islands	ISOL	ISOL	ISOL	SCT	FWS
2. Arunachal Pradesh	DRY	DRY	DRY	ISOL	ISOL
3. Assam & Meghalaya	DRY	DRY	DRY	DRY	DRY
4. N. M. M. & T.	DRY	DRY	ISOL	ISOL	ISOL
5. S.H. West Bengal & Sikkim	DRY	ISOL	DRY	DRY	DRY
6. Gangetic West Bengal	DRY	DRY	DRY	DRY	DRY
7. Odisha	ISOL	ISOL	DRY	DRY	DRY
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	ISOL
13. Haryana, Chd & Delhi	DRY	DRY	DRY	DRY	DRY
14. Punjab	DRY	DRY	DRY	ISOL	ISOL
15. Himachal Pradesh	ISOL	DRY	DRY	SCT	FWS
16. J & K and Ladakh	ISOL	DRY	ISOL	FWS	WS
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	ISOL	ISOL	DRY	DRY	DRY
24. Madhya Maharashtra	DRY	DRY	DRY	DRY	DRY
25. Marathawada	DRY	DRY	DRY	DRY	DRY
26. Vidharbha	DRY	DRY	DRY	DRY	DRY
27. Chhattisgarh	DRY	DRY	DRY	DRY	DRY
28. Coastal A. P. & Yanam	FWS	FWS	FWS	FWS	SCT
29. Telangana	ISOL	ISOL	ISOL	DRY	DRY
30. Rayalaseema	FWS	FWS	FWS	FWS	SCT
31. T.N.,Puducherry & Karaikal	FWS	FWS	FWS	FWS	FWS
32. Coastal Karnataka	ISOL	SCT	SCT	SCT	SCT
33. North Interior Karnataka	ISOL	ISOL	ISOL	ISOL	ISOL
34. South Interior Karnataka	FWS	FWS	FWS	FWS	SCT
35. Kerala & Mahe	FWS	FWS	WS	WS	WS
36. Lakshadweep	SCT	SCT	FWS	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		

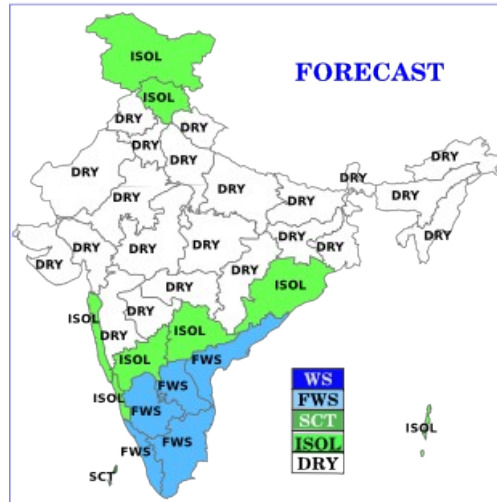
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(Created by the National Alert 1077)

Wednesday 02 November 2022



02 Nov (Day 1): ♦ Heavy rainfall very likely at isolated places over South Interior Karnataka, Coastal Andhra Pradesh & Yanam, Rayalaseema, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

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

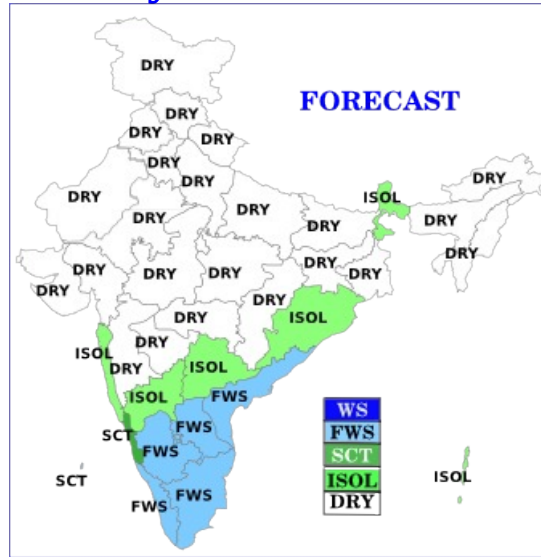
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Thursday 03 November 2022



03 Nov (Day 2): ♦ Heavy rainfall very likely at isolated places over Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

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

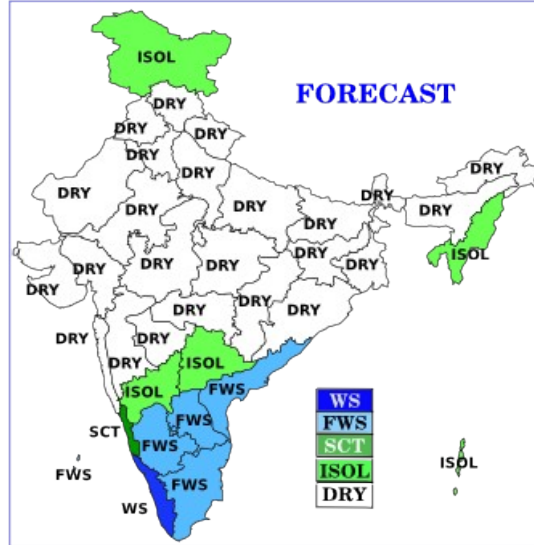
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Friday 04 November 2022



04 Nov (Day 3): ♦ Heavy to very heavy rainfall very likely at isolated places over Tamil Nadu, Puducherry & Karaikal; Heavy rainfall very likely at isolated places over Kerala & Mahe.

♦ Thunderstorm accompanied with lightning very likely at isolated places over Kerala & Mahe.

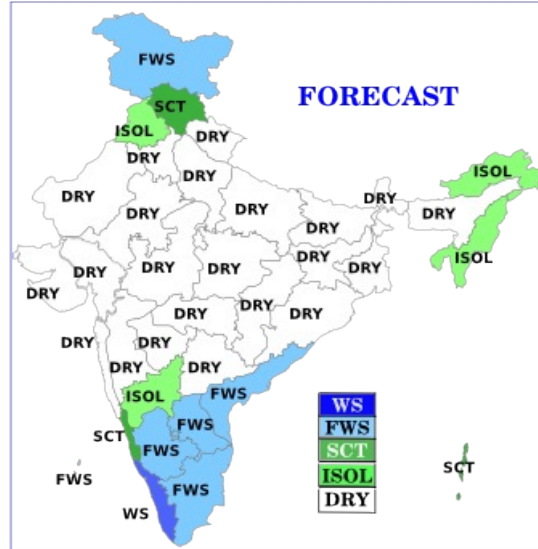
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Saturday 05 November 2022



05 Nov (Day 4): ♦ **Heavy to very heavy rainfall** very likely at isolated places over Tamil Nadu, Puducherry & Karaikal; **Heavy rainfall** very likely at isolated places over Kerala & Mahe.

♦ **Thunderstorm accompanied with lightning** very likely at isolated places over Kerala & Mahe.

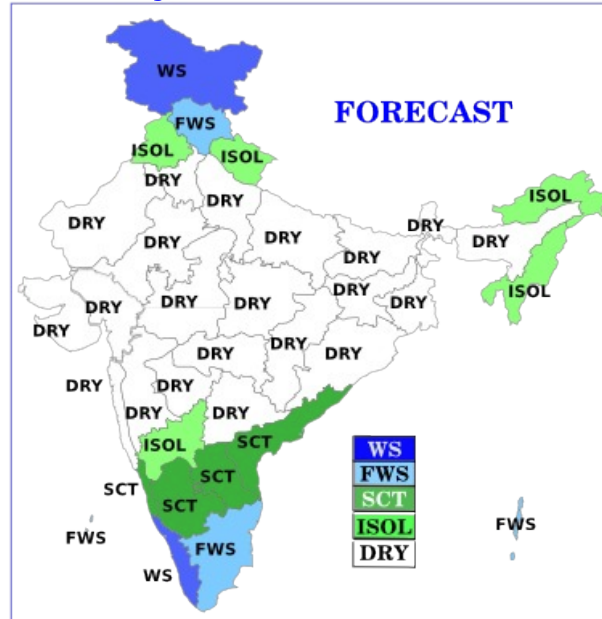
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Sunday 06 November 2022



06 Nov (Day 5): ♦ Heavy rainfall very likely at isolated places over Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** very likely at isolated places over Kerala & Mahe.

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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 एंवम् 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

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(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 Storm: Wind speed > 220 kmph (> 119 knots)

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