



Saturday 03 September 2022

MORNING

Time of Issue: 0800 hours IST

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

- The monsoon trough at mean sea level runs north of its normal position.
- A cyclonic circulation lies over Lakshadweep area & adjoining southeast Arabian Sea and extends upto mid tropospheric levels.
- A north-south trough runs from cyclonic circulation over Lakshadweep area & adjoining southeast Arabian Sea to north Madhya Maharashtra across Konkan at lower tropospheric levels.
- An east-west trough runs from cyclonic circulation over Lakshadweep area & adjoining southeast Arabian Sea to southeast Bay of Bengal in lower & mid tropospheric levels.
- **Under the influence of the above systems:**
 - o Fairly widespread/widespread rainfall with **isolated heavy falls** and thunderstorm/lightning very likely over Arunachal Pradesh and Assam & Meghalaya during next 5 days; over Nagaland, Manipur, Mizoram & Tripura on 3rd & 4th September. **Isolated very heavy rainfall also likely over Arunachal Pradesh and Assam & Meghalaya on 03rd September, 2022.**
 - o Fairly widespread/widespread rainfall with **isolated heavy falls** & thunderstorm/lightning very likely over Bihar on 03rd & 04th; Jharkhand on 03rd and over Sub-Himalayan West Bengal & Sikkim during 03rd to 05th; Odisha on 05th-07th, Chhattisgarh on 06th & 07th September. **Isolated very heavy rainfall over Sub-Himalayan West Bengal & Sikkim 03rd & 04th September, 2022.**
 - o Fairly widespread/widespread rainfall with **isolated heavy falls** and thunderstorm/lightning very likely over Coastal Karnataka on 05th & 06th; North Interior Karnataka, Rayalaseema on 05th-07th; Lakshadweep on 03rd, 05th-07th and over Tamil Nadu, Kerala & Mahe and South Interior Karnataka during next 5 days. **Isolated very heavy rainfall also likely over South Interior Karnataka on 06th & 07th and over Kerala & Mahe on 05th-07th September, 2022.**
 - o Fairly widespread to widespread light/moderate rainfall with **isolated heavy falls** and thunderstorm/lightning very likely over Jammu & Kashmir on 04th; Himachal Pradesh on 04th & 05th; Uttarakhand during 03rd - 05th September, 2022. **Isolated very heavy rainfall also likely over Uttarakhand on 04th September, 2022.**
 - o Subdued rainfall activity over plains of northwest India and over Central India during next 5 days.

Main Weather Observations

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◆ **Rainfall/thundershower observed (from 0830 hours IST to 1730 hours IST of yesterday):** at many places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura and Lakshadweep; at a few places over Himachal Pradesh, Assam & Meghalaya, West Bengal & Sikkim, Konkan & Goa, Coastal Andhra Pradesh & Yanam and Kerala & Mahe and at isolated places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Uttarakhand, Madhya Pradesh, Saurashtra & Kutch, East Rajasthan, Madhya Maharashtra, Vidarbha, Andaman & Nicobar Islands, Bihar, Chhattisgarh, North Interior Karnataka, Rayalaseema and Tamilnadu, Puducherry & Karaikal.

◆ **Heavy rainfall observed (from 0830 hours IST to 1730 hours IST of yesterday):** Heavy rainfall at isolated places over Andaman & Nicobar Islands.

◆ **Chief amount of Rainfall observed (from 0830 hours IST to 1730 hours IST of yesterday): (1 cm or more):** Car Nicobar-9; Ludhiana-6; Jhansi, Jalpaiguri, Bankura and Pendra Road-4 each; Indore and Aminidivi-3 each; Machilipatnam, Karaikal and Minicoy island-2 each; Batote, Varanasi, Itanagar, Tezpur, Agartala, Bapatla, Una, Delhi (Safdarjung), Buldana, Matheran and Thrissur-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, Uttarakhand, East Rajasthan, Haryana, Chandigarh & Delhi, Uttar Pradesh, West Bengal & Sikkim, Assam & Meghalaya, Tripura, Bihar, Jharkhand, Chhattisgarh, Vidarbha, Saurashtra & Kutch, Coastal Karnataka, Kerala & Mahe, Tamilnadu, Puducherry & Karaikal and Coastal Andhra Pradesh & Yanam.

◆ **Minimum Temperature Departures (as on 02-09-2022):** Minimum temperatures were above normal (1.6°C to 3.0°C) at most places over Punjab; at many places over Uttarakhand and Vidarbha; at a few places over Odisha, Himachal Pradesh, Rajasthan, Madhya Maharashtra and Andaman & Nicobar Islands and at isolated places over Gangetic West Bengal, Haryana, Chandigarh, & Delhi, Madhya Pradesh and Telangana. They are below normal (-1.6°C to -3.0°C) at many places over Lakshadweep; at a few places over Tamilnadu, Puducherry & Karaikal and near normal over rest parts of the country. Yesterday, the lowest minimum temperature of 19.5°C was reported at Aurangabad (Marathwada) over the plains of the country.

◆ **Maximum Temperature Departures (as on 02-09-2022):** Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places over Jharkhand, Vidarbha, Chhattisgarh and Odisha; at a few places over Madhya Maharashtra, Konkan & Goa, East Madhya Pradesh and Gangetic West Bengal and at isolated places over West Madhya Pradesh, Saurashtra & Kutch and Telangana; above normal (1.6°C to 3.0°C) at many places over Punjab, Haryana, Chandigarh & Delhi and Marathwada; at a few places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Gujarat Region, Interior Karnataka and Andaman & Nicobar Islands; at isolated places over West Rajasthan and Coastal Andhra Pradesh & Yanam. They were appreciably below normal (-3.1°C to -5.0°C) at a few places over Tamilnadu, Puducherry & Karaikal; below normal (-1.6°C to -3.0°C) at isolated places over East Rajasthan and Kerala & Mahe and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 39.6°C was reported at Churu (West Rajasthan) over the plains of the country.

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Meteorological Analysis (Based on 0530 hours IST)

- ◆ The **monsoon trough** at mean sea level now passes through Amritsar, Delhi, Bareilly, Gorakhpur, Patna, Malda and thence eastwards to Nagaland across north Bangladesh and Assam.
- ◆ The cyclonic circulation over Lakshadweep area & adjoining southeast Arabian Sea extending upto 5.8 km above mean sea level persists.
- ◆ The trough from cyclonic circulation over Lakshadweep area & adjoining southeast Arabian Sea to north Madhya Maharashtra across Konkan at 0.9 km above mean sea level persists.
- ◆ The east- west trough from cyclonic circulation over Lakshadweep area & adjoining southeast Arabian Sea to southeast Bay of Bengal between 1.5 km & 5.8 km above mean sea level persists.

Weather Forecast for next 5 days * upto 0830 hours IST of 08th September, 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 08th September- 10th September, 2022

- ◆ Fairly widespread to widespread light/moderate rainfall activity likely over south Peninsular India, West Coast, Central, Northeast & East India. Isolated heavy to very heavy falls also likely over southern parts of west coast.
- ◆ Isolated to scattered light/moderate rainfall activity over remaining parts of the country except Rajasthan & Saurashtra & Kutch where dry weather is likely.

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Weather Warning during next 5 days *

03 Sept (Day 1): ♦ Heavy to very heavy rainfall at isolated places very likely over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh and Assam & Meghalaya; **heavy rainfall** at isolated places over Uttarakhand, Bihar, Jharkhand, Nagaland, Manipur, Mizoram & Tripura, South Interior Karnataka, Kerala & Mahe, Lakshadweep and Tamil Nadu, Puducherry & Karaikal.

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

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

04 Sept (Day 2): ♦ Heavy to very heavy rainfall at isolated places very likely over Uttarakhand, Sub-Himalayan West Bengal & Sikkim and Arunachal Pradesh; **heavy rainfall** at isolated places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Bihar, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, South Interior Karnataka, 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, East Uttar Pradesh, Rajasthan, Chhattisgarh, Gangetic West Bengal, Odisha, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** Squally winds of 45-55 kmph gusting to 65 kmph likely over southwest and adjoining west-central Arabian Sea, along and off Somalia coast. Fishermen are advised not to venture into these seas.

05 Sept (Day 3): ♦ Heavy to very heavy rainfall at isolated places likely over Kerala & Mahe and **heavy rainfall** at isolated places over Himachal Pradesh, Uttarakhand, Uttarakhand, Sub-Himalayan West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Coastal Andhra Pradesh & Yanam, Rayalaseema, Karnataka, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Vidarbha, Chhattisgarh, Odisha, Marathwada, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** Squally winds of 45-55 kmph gusting to 65 kmph likely over southwest Arabian Sea and adjoining west-central, along and off Somalia coast, Gulf of Mannar, along and off south Tamil Nadu coast, southwest Bay of Bengal, off south Sri Lanka coast. Fishermen are advised not to venture into these seas.

06 Sept (Day 4): ♦ Heavy to very heavy rainfall at isolated places likely over South Interior Karnataka and Kerala & Mahe and **heavy rainfall** at isolated places over Chhattisgarh, Odisha, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Rayalaseema, Coastal & North Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over East Uttar Pradesh, Vidarbha, Chhattisgarh, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** Squally winds of 45-55 kmph gusting to 65 kmph likely over southwest Arabian Sea and adjoining west-central, along and off Somalia coast, Gulf of Mannar, along and off south Tamil Nadu coast, southwest Bay of Bengal, off south Sri Lanka coast; Fishermen are advised not to venture into these seas.

07 Sept (Day 5): ♦ Heavy to very heavy rainfall at isolated places likely over South Interior Karnataka and Kerala & Mahe and **heavy rainfall** at isolated places over Chhattisgarh, Odisha, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Rayalaseema, Coastal & North Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over East Uttar Pradesh, Vidarbha, Chhattisgarh, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** Squally winds of 45-55 kmph gusting to 65 kmph likely over southwest Arabian Sea and adjoining west-central, along and off Somalia coast, Gulf of Mannar, along and off south Tamil Nadu coast, southwest Bay of Bengal, off south Sri Lanka 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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(Copies to the Minister (I) 10/7/20)



Table-1
5 Day Rainfall Forecast (MORNING)
03-September-2022

Met-Sub-Division	03-Sep Today	04Sep Sun	05Sep Mon	06Sep Tue	07Sep Wed
1. Andaman & Nicobar Islands	FWS	FWS	WS	WS	WS
2. Arunachal Pradesh	WS	WS	FWS	FWS	FWS
3. Assam & Meghalaya	WS	WS	FWS	FWS	FWS
4. N. M. M. & T.	FWS	FWS	FWS	FWS	FWS
5. S.H. West Bengal & Sikkim	WS	WS	WS	WS	WS
6. Gangetic West Bengal	FWS	FWS	FWS	FWS	FWS
7. Odisha	SCT	SCT	FWS	FWS	FWS
8. Jharkhand	FWS	FWS	FWS	FWS	FWS
9. Bihar	FWS	FWS	FWS	FWS	FWS
10. East Uttar Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
11. West Uttar Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
12. Uttarakhand	SCT	WS	FWS	FWS	FWS
13. Haryana, Chd & Delhi	ISOL	ISOL	SCT	ISOL	ISOL
14. Punjab	ISOL	ISOL	SCT	ISOL	ISOL
15. Himachal Pradesh	FWS	WS	WS	SCT	SCT
16. J & K and Ladakh	SCT	SCT	SCT	ISOL	ISOL
17. West Rajsthan	ISOL	DRY	DRY	ISOL	ISOL
18. East Rajasthan	ISOL	ISOL	ISOL	ISOL	ISOL
19. West Madhya Pradesh	SCT	SCT	SCT	SCT	SCT
20. East Madhya Pradesh	SCT	SCT	FWS	FWS	FWS
21. Gujarat Region	ISOL	ISOL	ISOL	ISOL	ISOL
22. Saurashtra & Kutch	ISOL	DRY	DRY	DRY	DRY
23. Konkan & Goa	FWS	FWS	FWS	FWS	FWS
24. Madhya Maharashtra	SCT	SCT	SCT	SCT	SCT
25. Marathawada	ISOL	SCT	SCT	SCT	SCT
26. Vidharbha	SCT	SCT	FWS	FWS	FWS
27. Chhattisgarh	SCT	SCT	FWS	WS	WS
28. Coastal A. P. & Yanam	SCT	FWS	FWS	FWS	FWS
29. Telangana	ISOL	FWS	SCT	SCT	SCT
30. Rayalaseema	SCT	SCT	WS	WS	WS
31. T.N.,Puducherry & Karaikal	SCT	FWS	FWS	FWS	FWS
32. Coastal Karnataka	WS	WS	WS	WS	WS
33. North Interior Karnataka	FWS	FWS	WS	WS	WS
34. South Interior Karnataka	WS	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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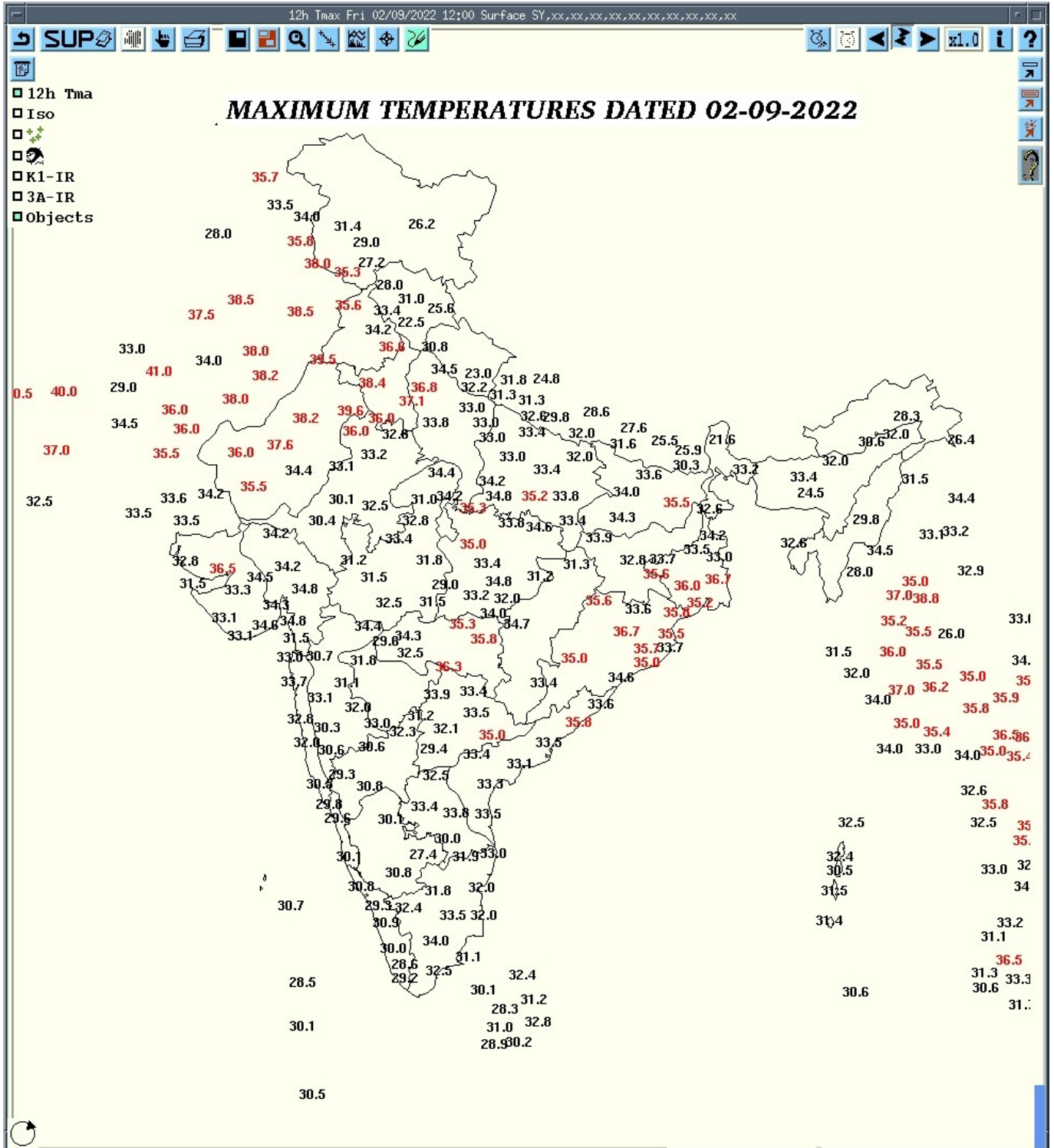
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Fig. 2: Maximum Temperature during past 24 hours



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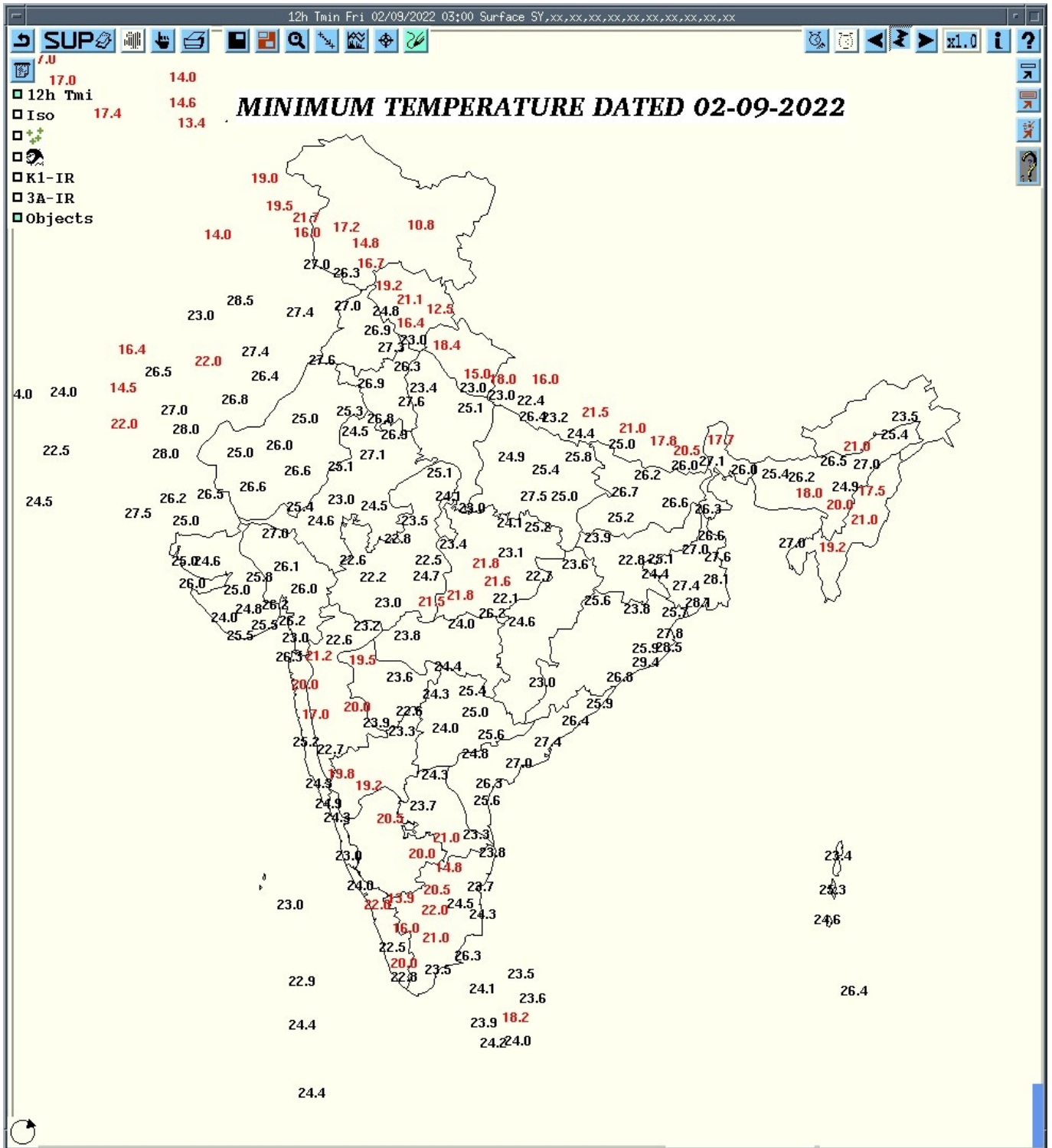
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(Created by the National class 1070)



Fig. 3: Minimum Temperature during past 24 hours



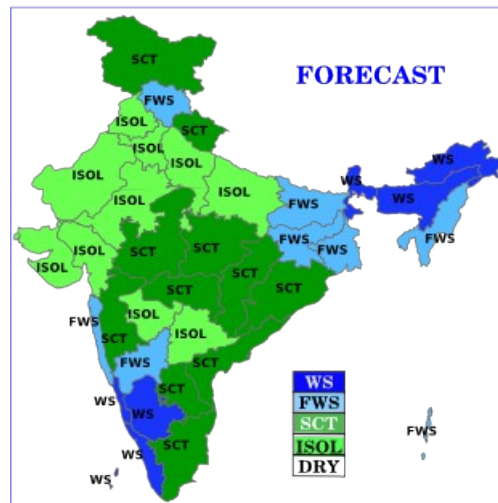
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(Created by the Meteosoft 4.97.0)

Saturday 03 September 2022



03 Sept (Day 1): ♦ Heavy to very heavy rainfall at isolated places very likely over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh and Assam & Meghalaya; **heavy rainfall** at isolated places over Uttarakhand, Bihar, Jharkhand, Nagaland, Manipur, Mizoram & Tripura, South Interior Karnataka, Kerala & Mahe, Lakshadweep and Tamil Nadu, Puducherry & Karaikal.

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

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

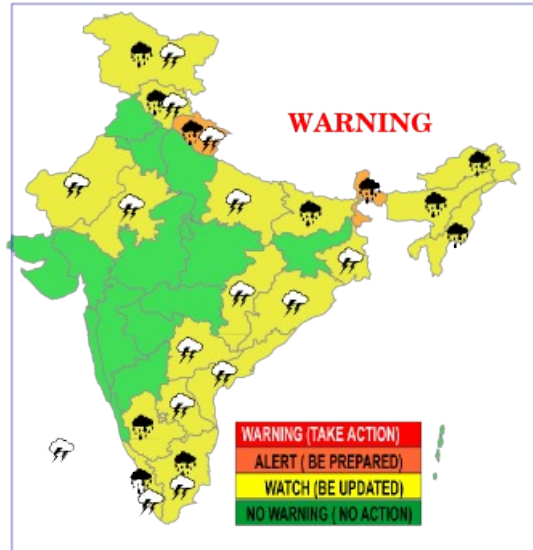
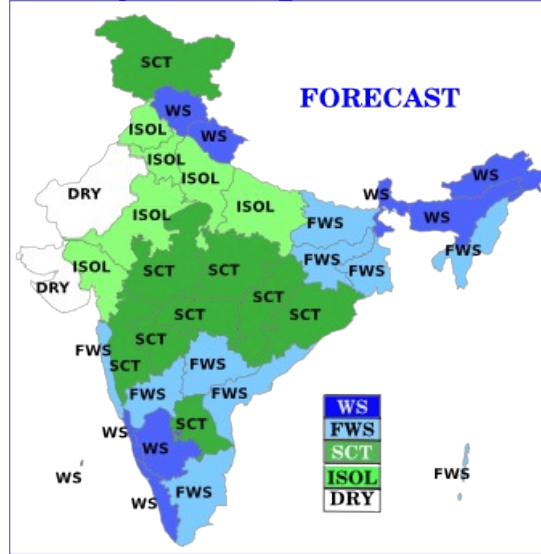
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Sunday 04 September 2022



04 Sept (Day 2): ♦ **Heavy to very heavy rainfall** at isolated places very likely over Uttarakhand, Sub-Himalayan West Bengal & Sikkim and Arunachal Pradesh; **heavy rainfall** at isolated places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Bihar, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, South Interior Karnataka, 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, East Uttar Pradesh, Rajasthan, Chhattisgarh, Gangetic West Bengal, Odisha, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** Squally winds of 45-55 kmph gusting to 65 kmph likely over southwest and adjoining west-central Arabian Sea, along and off Somalia coast. Fishermen are advised not to venture into these seas.

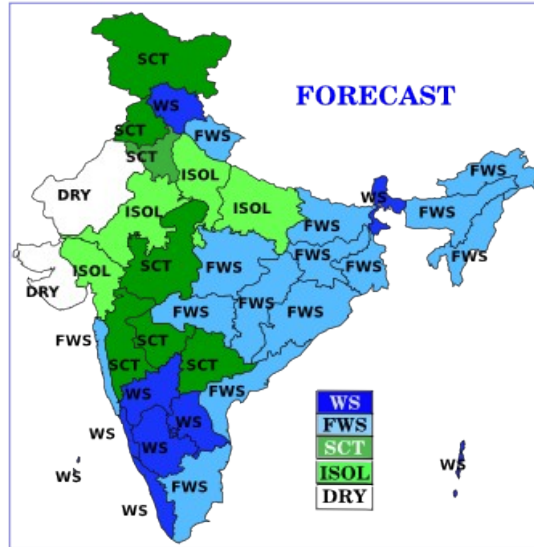
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Monday 05 September 2022



05 Sept (Day 3): ♦ Heavy to very heavy rainfall at isolated places likely over Kerala & Mahe and **heavy rainfall** at isolated places over Himachal Pradesh, Uttarakhand, Uttarakhand, Sub-Himalayan West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Coastal Andhra Pradesh & Yanam, Rayalaseema, Karnataka, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Vidarbha, Chhattisgarh, Odisha, Marathwada, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** Squally winds of 45-55 kmph gusting to 65 kmph likely over southwest Arabian Sea and adjoining west-central, along and off Somalia coast, Gulf of Mannar, along and off south Tamil Nadu coast, southwest Bay of Bengal, off south Sri Lanka coast. Fishermen are advised not to venture into these seas.

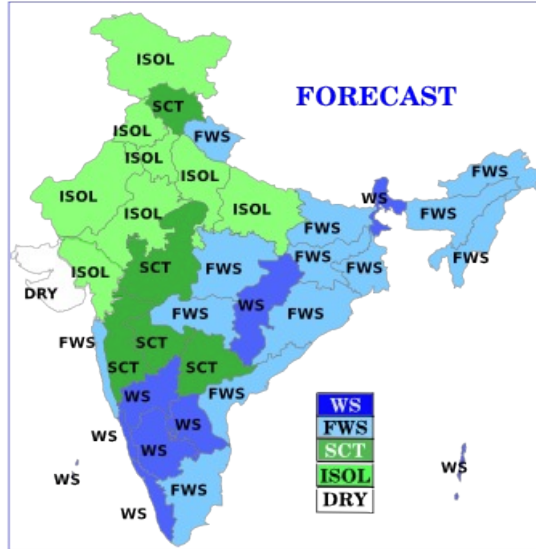
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Tuesday 06 September 2022



06 Sept (Day 4): ♦ **Heavy to very heavy rainfall** at isolated places likely over South Interior Karnataka and Kerala & Mahe and **heavy rainfall** at isolated places over Chhattisgarh, Odisha, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Rayalaseema, Coastal & North Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over East Uttar Pradesh, Vidarbha, Chhattisgarh, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** Squally winds of 45-55 kmph gusting to 65 kmph likely over southwest Arabian Sea and adjoining west-central, along and off Somalia coast, Gulf of Mannar, along and off south Tamil Nadu coast, southwest Bay of Bengal, off south Sri Lanka coast; Fishermen are advised not to venture into these seas.

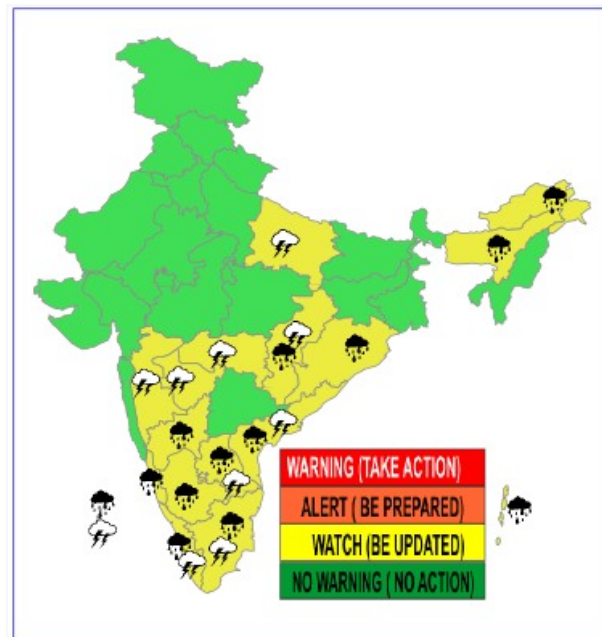
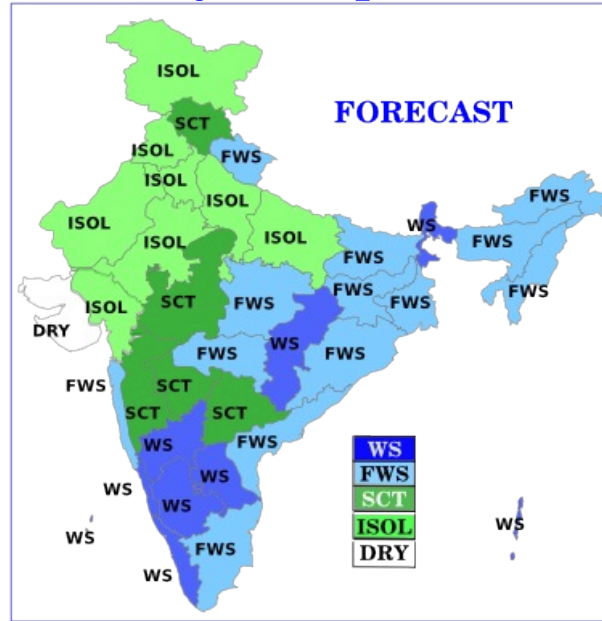
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Wednesday 07 September 2022



07 Sept (Day 5): ♦ Heavy to very heavy rainfall at isolated places likely over South Interior Karnataka and Kerala & Mahe and **heavy rainfall** at isolated places over Chhattisgarh, Odisha, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Rayalaseema, Coastal & North Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over East Uttar Pradesh, Vidarbha, Chhattisgarh, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** Squally winds of 45-55 kmph gusting to 65 kmph likely over southwest Arabian Sea and adjoining west-central, along and off Somalia coast, Gulf of Mannar, along and off south Tamil Nadu coast, southwest Bay of Bengal, off south Sri Lanka 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 एवं सिक्किम
- 6 पश्चिम गंगोय 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. 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)
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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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