



Wednesday 03 August 2022

MORNING

Time of Issue: 0800 hours IST

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

- ◆ A shear zone runs roughly along 11°N over south peninsular India in middle tropospheric levels. It is likely to shift gradually northward during next 3-4 days.
- ◆ A north-south trough runs from south Chhattisgarh to Comorin area at lower tropospheric levels.
- ◆ The western end of monsoon trough at mean sea level lies north of its normal position and its eastern end is near its normal position. The monsoon trough is very likely to be near normal or south of its normal position from 05th August onwards.
- ◆ Under the influence of above systems:
 - i) Fairly widespread/widespread rainfall with **isolated heavy falls and thunderstorm/lightning** very likely over Rayalaseema and Lakshadweep during 03rd-04th; south Coastal Andhra Pradesh & Yanam on 06th and over Telangana, Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe during 03rd-06th August, 2022.
 - a) Isolated **very heavy rainfall** likely over South Interior Karnataka on 06th; North Interior Karnataka during 04th-06th; Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal on 05th and over Coastal Karnataka on 06th & 07th August, 2022.
 - b) Isolated **extremely heavy rainfall** also likely over Kerala & Mahe and adjoining Tamil Nadu during 03rd-04th; Coastal & South Interior Karnataka on 03rd-05th August, 2022.
 - ii) Fairly widespread/widespread rainfall with **isolated heavy falls and thunderstorm/lightning** very likely over Konkan & Goa during 04th-06th; Chhattisgarh, East Madhya Pradesh during 05th-07th; Madhya Maharashtra on 05th & 06th; Vidarbha and Marathwada on 06th August, 2022.
 - a) Isolated/scattered **very heavy rainfall** also very likely over Konkan & Goa during 5th - 07th August, 2022.
 - iii) Fairly widespread/widespread rainfall with **isolated heavy falls and thunderstorm/lightning** very likely over Arunachal Pradesh and Sub-Himalayan West Bengal & Sikkim on 03rd; Odisha during 05th - 07th and over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 03rd-05th August, 2022.
 - a) Isolated **very heavy rainfall** also very likely over Odisha on 06th & 7th August, 2022.

Main Weather Observations

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◆ **Rainfall/thundershower observed (from 0830 hours IST to 1730 hours IST of yesterday):** at most places over Coastal Karnataka; at many places over Gangetic West Bengal, North Interior Karnataka, Lakshadweep, Kerala & Mahe and Andaman & Nicobar Islands; at a few places over Uttarakhand, Uttar Pradesh, Odisha and Gujarat state and at isolated places over East Rajasthan, Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Madhya Pradesh, Konkan & Goa, Madhya Maharashtra, Telangana, Coastal Andhra Pradesh & Yanam, Rayalaseema, South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal.

◆ **Chief amount of Rainfall observed (from 0830 hours IST to 1730 hours IST of yesterday): (2 cm or more):** Kolkata-7; Khammam, Gadag & Bagalkote-5 each; Panagarh, Gwalior & Port Blair-3 each; Bareilly, Orai, Jhansi, Krishnanagar, Baripada, Bijapur, Kodaikanal, Periakulam, Punalur & Maya Bandar-2 each.

◆ **Heavy rainfall observed (from 0830 hours IST to 1730 hours IST of yesterday):** Heavy rainfall at isolated places over Gangetic West Bengal.

◆ **Thunderstorm observed (from 0830 hours IST of yesterday to 0530 hours IST of today):** at isolated places over Assam & Meghalaya, Uttarakhand, Uttar Pradesh, East Rajasthan, West Madhya Pradesh, Chhattisgarh, Jharkhand, West Bengal & Sikkim, Odisha, Coastal Andhra Pradesh & Yanam, Rayalaseema, South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal.

◆ **Minimum Temperature Departures (as on 02-08-2022):** Minimum temperatures were appreciably above normal (3.1°C to 5.0°C) at isolated places over Vidarbha and East Madhya Pradesh; above normal (1.6°C to 3.0°C) at many places over Konkan & Goa and Marathwada; at a few places over East Uttar Pradesh, Madhya Maharashtra, Telangana, Odisha and West Bengal & Sikkim. They were appreciably below normal (-3.1°C to -5.0°C) at a few places over Jammu & Kashmir; below normal (-1.6°C to -3.0°C) at most places over Lakshadweep; at a few places over Tamil Nadu, Puducherry & Karaikal and at isolated places over Himachal Pradesh and Kerala & Mahe and near normal over rest parts of the country. Yesterday, the lowest minimum temperature of 20.8°C was reported at Pachmarhi (East Madhya Pradesh) over the plains of the country.

◆ **Maximum Temperature Departures (as on 02-08-2022):** Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places over Odisha and Chhattisgarh; at a few places over Vidarbha and Telangana; at isolated places over Madhya Pradesh, Gangetic West Bengal and Madhya Maharashtra; above normal (1.6°C to -3.0°C) at many places over Konkan & Goa and Coastal Andhra Pradesh & Yanam; at a few places over Himachal Pradesh and Marathwada; at isolated places over West Uttar Pradesh, Arunachal Pradesh and Assam & Meghalaya. They were appreciably below normal (-3.1°C to -5.0°C) at most places over Kerala & Mahe; at isolated places over Tamil Nadu, Puducherry & Karaikal; below normal (-1.6°C to -3.0°C) most places over Coastal Karnataka and Lakshadweep; at a few places over North Interior Karnataka and Andaman & Nicobar Islands; at isolated places over East Rajasthan and Assam & Meghalaya and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 38.5°C was reported at Fatehgarh (East Uttar Pradesh).

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Meteorological Analysis (Based on 0530 hours IST)

- ◆ The **monsoon trough** at mean sea level now passes through Amritsar, Chandigarh, Bareilly, Lucknow, Varanasi, Daltonganj, Digha and thence east-southeastwards to northeast Bay of Bengal.
- ◆ The shear zone roughly along 11°N over south peninsular India between 3.1 km & 7.6 km above mean sea level tilting southwards with height persists.
- ◆ The cyclonic circulation over westcentral & adjoining southwest Bay of Bengal off Andhra Pradesh coast at 1.5 km above mean sea level persists.
- ◆ The **Western Disturbance** as a trough in middle tropospheric westerlies with its axis at 5.8 km above mean sea level now runs roughly along Long. 67°E to the north of Lat. 28°N.
- ◆ The North-south trough from south Chhattisgarh to Comorin area across Telangana, Rayalaseema and Tamilnadu at 0.9 km above mean sea level persists.
- ◆ The cyclonic circulation over northeast Uttar Pradesh & neighbourhood at 0.9 km above mean sea level persists.

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

- ◆ Fairly widespread to widespread light/moderate rainfall activity likely over Central adjoining East India and along the West Coast.
- ◆ Scattered/fairly widespread light/moderate rainfall activity likely over Northwest, West & South Peninsular India (except Tamil Nadu).
- ◆ Isolated/scattered light/moderate rainfall activity likely over Tamil Nadu and Rajasthan.

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Weather Warning during next 5 days *

03 Aug (Day 1): ♦ **Heavy to very heavy rainfall with extremely heavy falls** at isolated places very likely over Kerala & Mahe, Coastal & South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal and **heavy rainfall** at isolated places over Uttarakhand, East Uttar Pradesh, Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Telangana, Rayalaseema, North Interior Karnataka and Lakshadweep.

♦ **Thunderstorm accompanied with gusty winds (speed reaching 50-60 kmph)** very likely at isolated places over Andaman & Nicobar Islands and **with lightning** at isolated places over Uttar Pradesh, East Madhya Pradesh, Chhattisgarh, Bihar, Jharkhand, Odisha, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over along and off Kerala, Karnataka, Goa coasts, Lakshadweep area, Maldives, Andaman Sea. **Strong winds** of 50-60 kmph gusting to 70 kmph likely over south east and adjoining south west Bay of Bengal, Comorin area; 45-55 kmph gusting to 65 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea (west of 62°E), part of south west Bay of Bengal and off Sri Lanka coast; and 40-50 kmph gusting to 60 kmph likely over south Arabian Sea and central Arabian Sea (west of 74°E), Gulf of Mannar, rest parts of south Bay of Bengal and adjoining south Andaman Sea. Fishermen are advised not to venture into these seas.

04 Aug (Day 2): ♦ **Heavy to very heavy rainfall with extremely heavy falls** at isolated places very likely over Kerala & Mahe, Coastal & South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal; **heavy to very heavy rainfall** at isolated places over North Interior Karnataka and **heavy rainfall** at isolated places over Uttarakhand, East Rajasthan, Konkan & Goa, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Telangana, Rayalaseema and Lakshadweep.

♦ **Thunderstorm accompanied with gusty winds (speed reaching 50-60 kmph)** very likely at isolated places over Andaman & Nicobar Islands and **with lightning** at isolated places over East Rajasthan, Uttar Pradesh, Madhya Pradesh, Chhattisgarh, Vidarbha, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over along and off Kerala, Karnataka, Goa, Maharashtra coasts, Lakshadweep area, Maldives, Andaman and adjoining east central Bay of Bengal. **Strong winds** of 45-55 kmph gusting to 65 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea (west of 64°E), part of south west Bay of Bengal and off Sri Lanka coast; and 40-50 kmph gusting to 60 kmph likely over south Arabian Sea and central Arabian Sea (west of 74°E), Gulf of Mannar, rest parts of south Bay of Bengal and adjoining east central Bay of Bengal. Fishermen are advised not to venture into these seas.

05 Aug (Day 3): ♦ **Heavy to very heavy rainfall with extremely heavy falls** at isolated places likely over Coastal & South Interior Karnataka; **heavy to very heavy rainfall** at isolated places over Konkan & Goa, Kerala & Mahe, North Interior Karnataka and Tamil Nadu, Puducherry & Karaikal and **heavy rainfall** at isolated places over Himachal Pradesh, Uttarakhand, East Rajasthan, Madhya Maharashtra, East Madhya Pradesh, Chhattisgarh, Odisha, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Telangana.

♦ **Thunderstorm accompanied with gusty winds (speed reaching 50-60 kmph)** likely at isolated places over Andaman & Nicobar Islands and **with lightning** at isolated places over East Rajasthan, Uttar Pradesh, Punjab, Haryana, Chandigarh & Delhi, Coastal Andhra Pradesh & Yanam, Rayalaseema, Interior Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) likely over along and off Karnataka, Goa, Maharashtra coasts, adjoining east central Arabian Sea, Andaman Sea, adjoining east central Bay of Bengal, along and off coastal Andhra Pradesh and adjoining west central Bay of Bengal. **Strong winds** of 45-55 kmph gusting to 65 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea (west of 64°E), part of south west Bay of Bengal and off Sri Lanka coast; and 40-50 kmph gusting to 60 kmph likely over south Arabian Sea and central Arabian Sea (west of 74°E), Gulf of Mannar, rest parts of south Bay of Bengal and adjoining east central Bay of Bengal. Fishermen are advised not to venture into these seas.

06 Aug (Day 4): ♦ **Heavy to very heavy rainfall** at isolated places likely over Uttarakhand, East Rajasthan, Odisha and Karnataka; **heavy rainfall** at a few places with **very heavy falls** at isolated places over Konkan & Goa and **heavy rainfall** at isolated places over Himachal Pradesh, Uttar Pradesh, Madhya Maharashtra, Marathwada, East Madhya Pradesh, Chhattisgarh, Vidarbha, Coastal Andhra Pradesh & Yanam, Telangana, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with gusty winds (speed reaching 50-60 kmph)** likely at isolated places over Andaman & Nicobar Islands and **with lightning** at isolated places over East Rajasthan, Uttar Pradesh, Punjab, Haryana, Chandigarh & Delhi, Coastal Andhra Pradesh & Yanam, Rayalaseema, Interior Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) likely over along and off Goa, Maharashtra coasts, east central and adjoining north east Arabian sea, Andaman Sea, parts of central Bay of Bengal and adjoining south central Bay of Bengal. **Strong winds** of 45-55 kmph gusting to 65 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea (west of 64°E), part of south west Bay of Bengal and off Sri Lanka coast; and 40-50 kmph gusting to 60 kmph likely over south Arabian Sea and central Arabian Sea (west of 74°E), Gulf of Mannar, rest of south Bay of Bengal, and adjoining east central Bay of Bengal. Fishermen are advised not to venture into these seas.

07 Aug (Day 5): ♦ **Heavy to very heavy rainfall** at isolated places likely over Odisha, Chhattisgarh, Konkan & Goa, Coastal Karnataka, Kerala & Mahe and Uttarakhand and **heavy rainfall** at isolated places over Himachal Pradesh, Punjab, Rajasthan, Gujarat Region, Madhya Pradesh, Marathwada, Andaman & Nicobar Islands and Vidarbha.

♦ **Thunderstorm accompanied with lightning** at isolated places over Jammu & Kashmir, Ladakh Gilgit Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh, Rajasthan, Uttar Pradesh, Interior Karnataka, Kerala & Mahe, Andaman & Nicobar Islands and Tamil Nadu, Puducherry & Karaikal.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) likely over along and off Goa, Maharashtra coasts, east central and adjoining north east Arabian sea, Andaman Sea, parts of central Bay of Bengal and adjoining south central Bay of Bengal. **Strong winds** of 45-55 kmph gusting to 65 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea (west of 64°E), part of south west Bay of Bengal and off Sri Lanka coast; and 40-50 kmph gusting to 60 kmph likely over south Arabian Sea and central Arabian Sea (west of 74°E), Gulf of Mannar, rest of south Bay of Bengal, and adjoining east central Bay of Bengal. Fishermen are advised not to venture into these seas.

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

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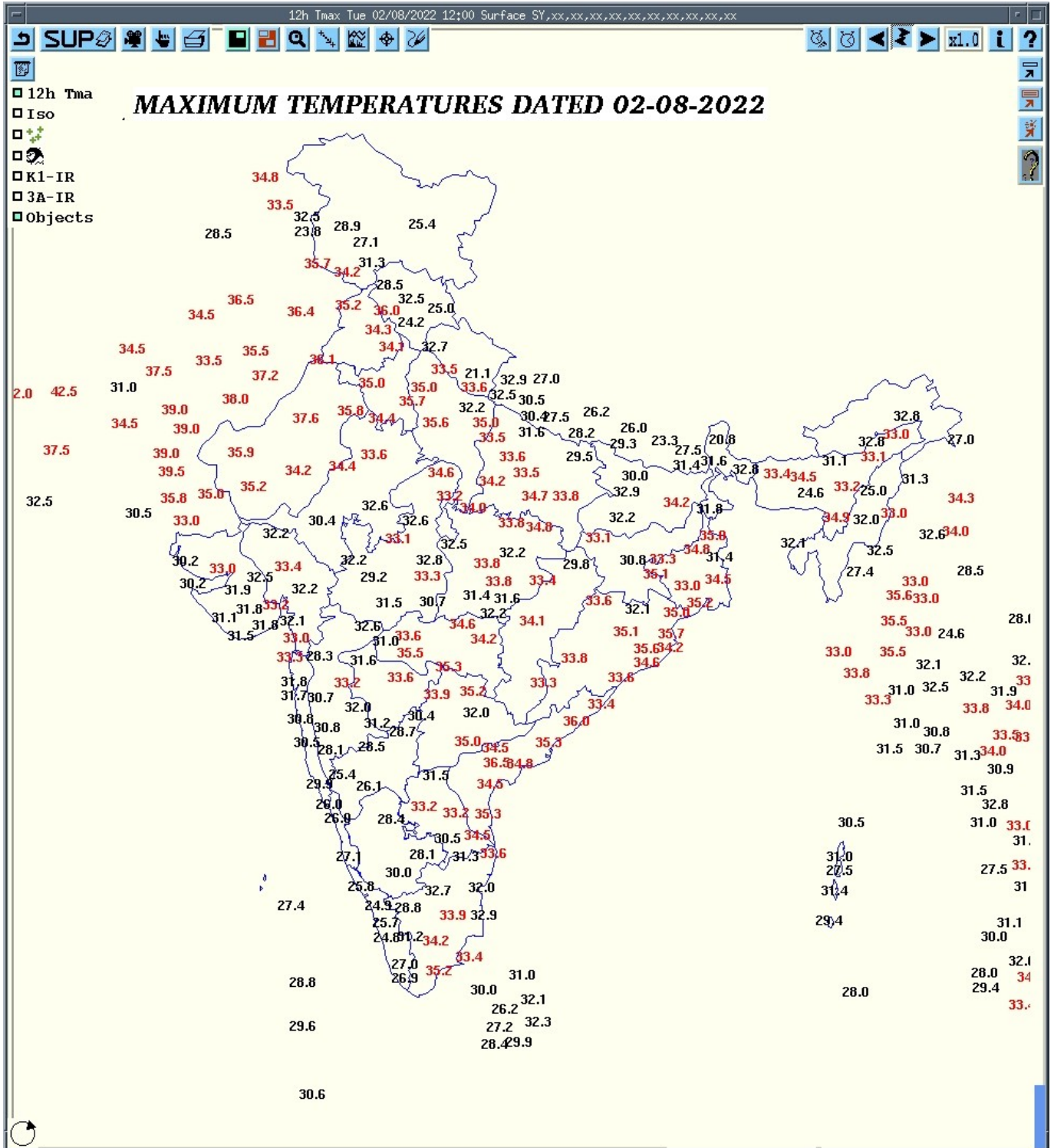
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Fig. 2: Maximum Temperature during past 24 hours



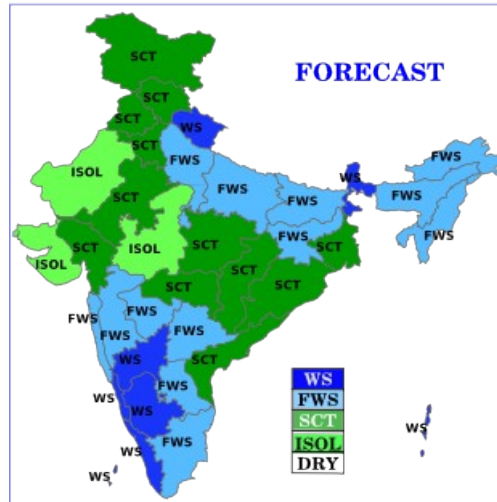
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03 Aug (Day 1): ♦ **Heavy to very heavy rainfall with extremely heavy falls** at isolated places very likely over Kerala & Mahe, Coastal & South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal and **heavy rainfall** at isolated places over Uttarakhand, East Uttar Pradesh, Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Telangana, Rayalaseema, North Interior Karnataka and Lakshadweep.

♦ **Thunderstorm accompanied with gusty winds (speed reaching 50-60 kmph)** very likely at isolated places over Andaman & Nicobar Islands and **with lightning** at isolated places over Uttar Pradesh, East Madhya Pradesh, Chhattisgarh, Bihar, Jharkhand, Odisha, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over along and off Kerala, Karnataka, Goa coasts, Lakshadweep area, Maldives, Andaman Sea. **Strong winds** of 50-60 kmph gusting to 70 kmph likely over south east and adjoining south west Bay of Bengal, Comorin area; 45-55 kmph gusting to 65 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea (west of 62°E), part of south west Bay of Bengal and off Sri Lanka coast; and 40-50 kmph gusting to 60 kmph likely over south Arabian Sea and central Arabian Sea (west of 74°E), Gulf of Mannar, rest parts of south Bay of Bengal and adjoining south Andaman Sea. Fishermen are advised not to venture into these seas.

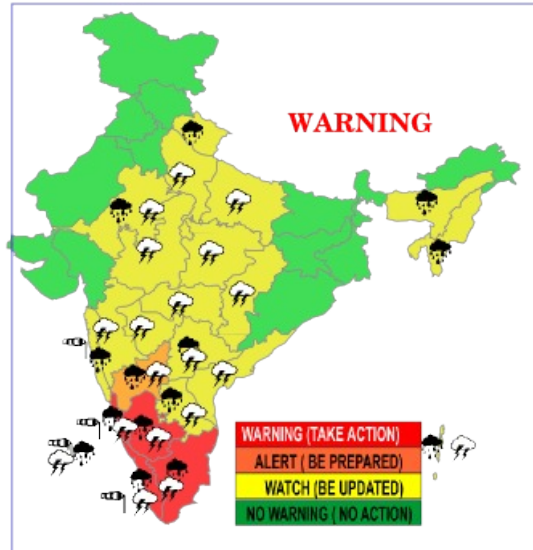
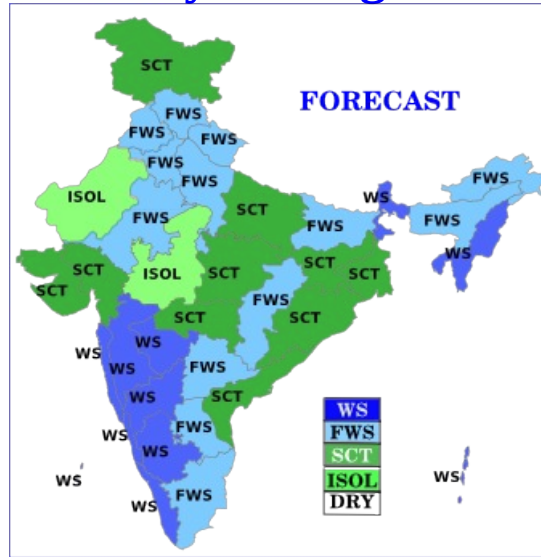
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Thursday 04 August 2022



04 Aug (Day 2): ♦ **Heavy to very heavy rainfall with extremely heavy falls** at isolated places very likely over Kerala & Mahe, Coastal & South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal; **heavy to very heavy rainfall** at isolated places over North Interior Karnataka and **heavy rainfall** at isolated places over Uttarakhand, East Rajasthan, Konkan & Goa, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Telangana, Rayalaseema and Lakshadweep.

♦ **Thunderstorm accompanied with gusty winds (speed reaching 50-60 kmph)** very likely at isolated places over Andaman & Nicobar Islands and **with lightning** at isolated places over East Rajasthan, Uttar Pradesh, Madhya Pradesh, Chhattisgarh, Vidarbha, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over along and off Kerala, Karnataka, Goa, Maharashtra coasts, Lakshadweep area, Maldives, Andaman Sea and adjoining east central Bay of Bengal. **Strong winds** of 45-55 kmph gusting to 65 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea (west of 64°E), part of south west Bay of Bengal and off Sri Lanka coast; and 40-50 kmph gusting to 60 kmph likely over south Arabian Sea and central Arabian Sea (west of 74°E), Gulf of Mannar, rest parts of south Bay of Bengal and adjoining east central Bay of Bengal. Fishermen are advised not to venture into these seas.

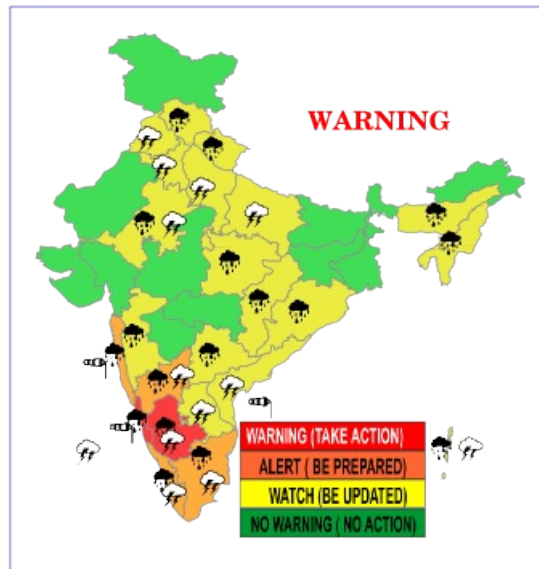
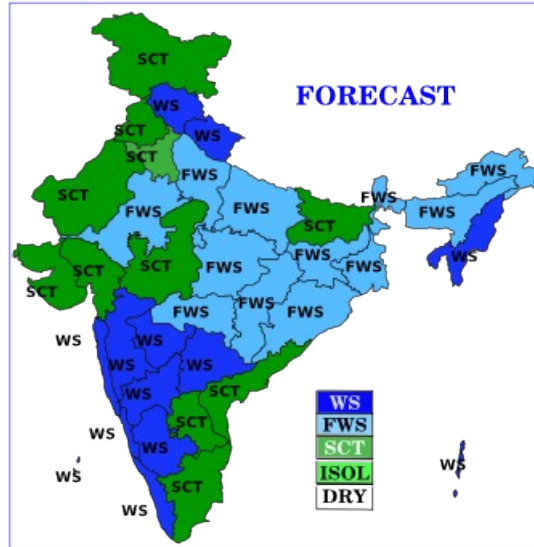
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Friday 05 August 2022



05 Aug (Day 3): ♦ Heavy to very heavy rainfall with extremely heavy falls at isolated places likely over Coastal & South Interior Karnataka; **heavy to very heavy rainfall** at isolated places over Konkan & Goa, Kerala & Mahe, North Interior Karnataka and Tamil Nadu, Puducherry & Karaikal and **heavy rainfall** at isolated places over Himachal Pradesh, Uttarakhand, East Rajasthan, Madhya Maharashtra, East Madhya Pradesh, Chhattisgarh, Odisha, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Telangana.

♦ **Thunderstorm accompanied with gusty winds (speed reaching 50-60 kmph)** likely at isolated places over Andaman & Nicobar Islands and **with lightning** at isolated places over East Rajasthan, Uttar Pradesh, Punjab, Haryana, Chandigarh & Delhi, Coastal Andhra Pradesh & Yanam, Rayalaseema, Interior Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) likely over along and off Karnataka, Goa, Maharashtra coasts, adjoining east central Arabian Sea, Andaman Sea, adjoining east central Bay of Bengal, along and off coastal Andhra Pradesh and adjoining west central Bay of Bengal. **Strong winds** of 45-55 kmph gusting to 65 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea (west of 64°E), part of south west Bay of Bengal and off Sri Lanka coast; and 40-50 kmph gusting to 60 kmph likely over south Arabian Sea and central Arabian Sea (west of 74°E), Gulf of Mannar, rest parts of south Bay of Bengal and adjoining east central Bay of Bengal. Fishermen are advised not to venture into these seas.

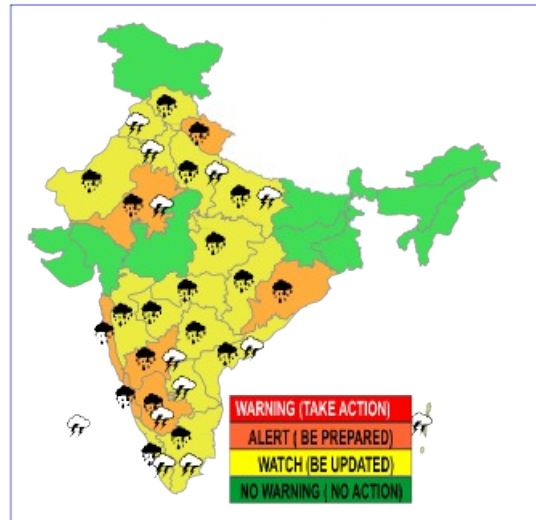
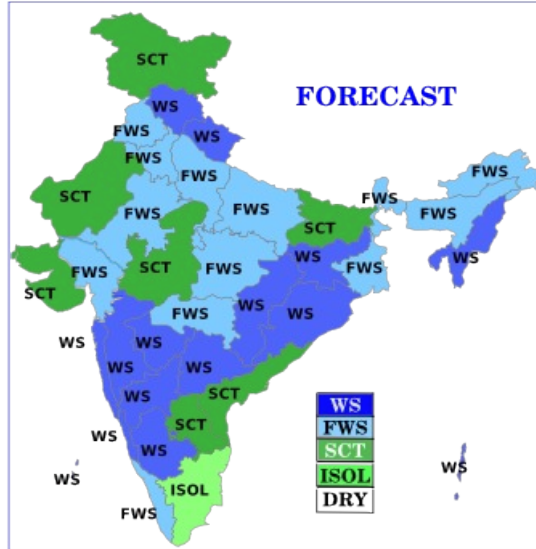
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(Copies to the Ministry since 1977)

Saturday 06 August 2022



06 Aug (Day 4): ♦ **Heavy to very heavy rainfall** at isolated places likely over Uttarakhand, East Rajasthan, Odisha and Karnataka; **heavy rainfall** at a few places with **very heavy falls** at isolated places over Konkan & Goa and **heavy rainfall** at isolated places over Himachal Pradesh, Uttar Pradesh, Madhya Maharashtra, Marathawada, East Madhya Pradesh, Chhattisgarh, Vidarbha, Coastal Andhra Pradesh & Yanam, Telangana, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with gusty winds (speed reaching 50-60 kmph)** likely at isolated places over Andaman & Nicobar Islands and **with lightning** at isolated places over East Rajasthan, Uttar Pradesh, Punjab, Haryana, Chandigarh & Delhi, Coastal Andhra Pradesh & Yanam, Rayalaseema, Interior Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) likely over along and off Goa, Maharashtra coasts, east central and adjoining north east Arabian sea, Andaman Sea, parts of central Bay of Bengal and adjoining south central Bay of Bengal. **Strong winds** of 45-55 kmph gusting to 65 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea (west of 64°E), part of south west Bay of Bengal and off Sri Lanka coast; and 40-50 kmph gusting to 60 kmph likely over south Arabian Sea and central Arabian Sea (west of 74°E), Gulf of Mannar, rest of south Bay of Bengal, and adjoining east central Bay of Bengal. Fishermen are advised not to venture into these seas.

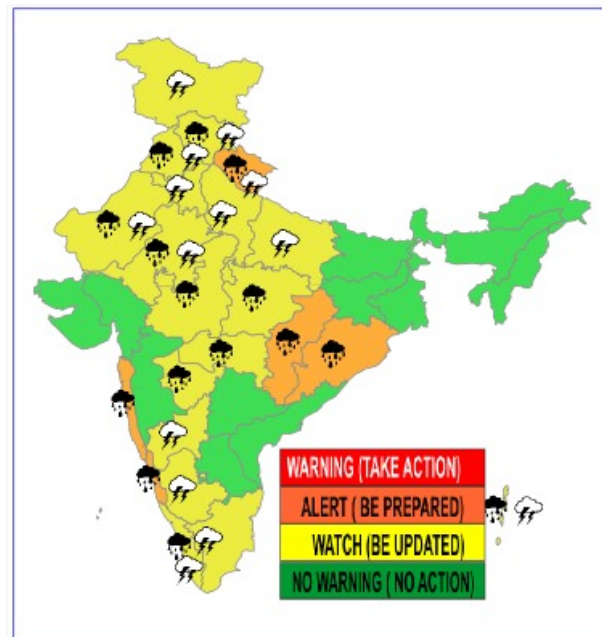
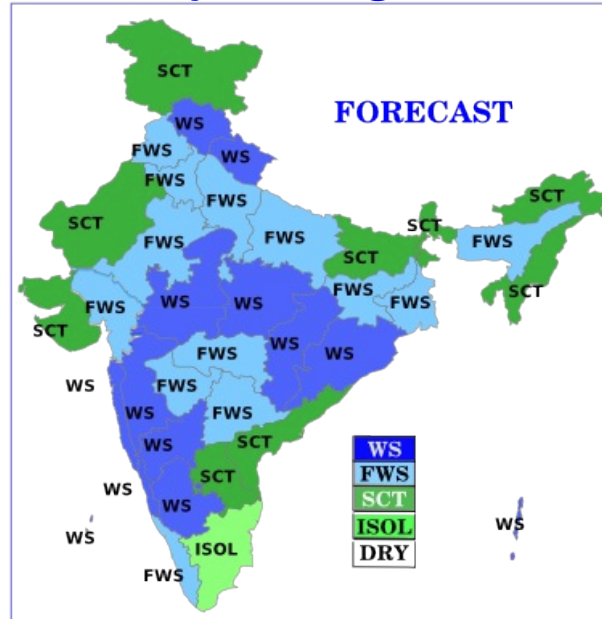
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(Copies to the Meteorologist (GPO))

Sunday 07 August 2022



07 Aug (Day 5): ♦ Heavy to very heavy rainfall at isolated places likely over Odisha, Chhattisgarh, Konkan & Goa, Coastal Karnataka, Kerala & Mahe and Uttarakhand and **heavy rainfall** at isolated places over Himachal Pradesh, Punjab, Rajasthan, Gujarat Region, Madhya Pradesh, Marathwada, Andaman & Nicobar Islands and Vidarbha.

♦ **Thunderstorm accompanied with lightning** at isolated places over Jammu & Kashmir, Ladakh Gilgit Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh, Rajasthan, Uttar Pradesh, Interior Karnataka, Kerala & Mahe, Andaman & Nicobar Islands and Tamil Nadu, Puducherry & Karaikal.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) likely over along and off Goa, Maharashtra coasts, east central and adjoining north east Arabian sea, Andaman Sea, parts of central Bay of Bengal and adjoining south central Bay of Bengal. **Strong winds** of 45-55 kmph gusting to 65 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea (west of 64°E), part of south west Bay of Bengal and off Sri Lanka coast; and 40-50 kmph gusting to 60 kmph likely over south Arabian Sea and central Arabian Sea (west of 74°E), Gulf of Mannar, rest of south Bay of Bengal, and adjoining east central Bay of Bengal. 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

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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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