



Thursday 04 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 northwards during next 3-4 days.
- ◆ A cyclonic circulation lies over Westcentral & adjoining Southwest Bay of Bengal off south Andhra Pradesh-north Tamil Nadu coasts in lower tropospheric levels.
- ◆ The monsoon trough at mean sea level lies near normal position.
- ◆ **Forecast and warning:**
 - (i) Fairly widespread/widespread rainfall with **isolated heavy falls** and **thunderstorm/lightning** very likely over Lakshadweep on 04th; south Coastal Andhra Pradesh & Yanam during 06th-08th and over Tamil Nadu, Puducherry & Karaikal, Telangana, Karnataka and Kerala & Mahe during 04th-08th August, 2022.
 - a.) **Isolated very heavy rainfall likely over Rayalaseema on 04th; Coastal & South Interior Karnataka on 06th; North Interior Karnataka on 04th & 05th; Kerala & Mahe during 04th-05th; ghat areas of Tamil Nadu on 05th and over Telangana during 06th-08th August, 2022.**
 - b.) **Isolated extremely heavy rainfall also likely over ghat areas of Tamil Nadu on 04th and over Coastal & South Interior Karnataka on 04th & 05th August, 2022.**
 - (ii) Fairly widespread/widespread rainfall with **isolated heavy falls** and **thunderstorm/lightning** very likely over Chhattisgarh & Vidarbha during 05th-08th; Madhya Pradesh during 06th-08th; Marathwada on 05th & 06th; Konkan & Goa and Madhya Maharashtra during 04th-08th August, 2022. **Isolated/scattered very heavy rainfall also likely over Chhattisgarh on 07th & 08th and over Konkan & Goa during 05th-08th August, 2022.**
 - (iii) Fairly widespread rainfall with **isolated heavy falls** and **thunderstorm/lightning** very likely over Bihar on 04th; Sub-Himalayan West Bengal & Sikkim on 05th; and Odisha during 05th-08th; Nagaland, Manipur, Mizoram & Tripura on 04th & 05th and over Assam & Meghalaya during 04th-06th August, 2022. **Isolated very heavy rainfall also likely over Odisha on 07th & 08th August, 2022.**
 - (iv) Fairly widespread/widespread rainfall with **thunderstorm/lightning** very likely over Himachal Pradesh, Uttarakhand, Uttar Pradesh, Punjab, Haryana-Chandigarh-Delhi and East Rajasthan during next 5 days.
 - a.) **Isolated heavy rainfall** likely over West Uttar Pradesh, Uttarakhand and East Rajasthan during next 3-4 days and over Himachal Pradesh during 05th-08th and West Rajasthan on 07th & 08th August.
 - b.) **Isolated very heavy rainfall also likely over Uttarakhand on 04th and over East Rajasthan during 06th-08th August, 2022.**

Main Weather Observations

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

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◆ **Rainfall/thundershower observed (from 0830 hours IST to 1730 hours IST of yesterday):** at most places over West Bengal & Sikkim, Andaman & Nicobar Islands, Arunachal Pradesh, Konkan & Goa, North Interior Karnataka, Kerala & Mahe, Lakshadweep; at many places over Chhattisgarh, Madhya Maharashtra, Marathwada, South Interior Karnataka; at a few places over East Uttar Pradesh, Madhya Pradesh, Nagaland, Manipur, Mizoram & Tripura, Telangana, Rayalaseema, Coastal Karnataka, Tamil Nadu, Puducherry & Karaikal and at isolated places over Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, Rajasthan, Vidarbha, Bihar, Odisha, Assam & Meghalaya, Gujarat State and Coastal Andhra Pradesh & Yanam.

◆ **Chief amount of Rainfall observed (from 0830 hours IST to 1730 hours IST of yesterday)(3 cm or more):** Belgaum, Kanpur, Hamirpur, Durg, Malda, Bankura, Kolhapur-5 each; Malanjkhanda, Satara, Bijapur, Aminidivi-3 each.

◆ **Heavy rainfall observed (from 0830 hours IST to 1730 hours IST of yesterday):** Nil

◆ **Thunderstorm observed (from 0830 hours IST of yesterday to 0530 hours IST of today):** at isolated places over Himachal Pradesh, Uttarakhand, Marathawada, Haryana, Chandigarh, Delhi, East Uttar Pradesh, Madhya Pradesh, Chhattisgarh, Bihar, West Bengal & Sikkim, Assam & Meghalaya, Tripura, Telangana, East Rajasthan and Rayalaseema.

◆ **Minimum Temperature Departures (as on 03-08-2022):** Minimum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over Vidarbha; at isolated places over Sub-Himalayan West Bengal & Sikkim and East Madhya Pradesh; above normal (1.6°C to 3.0°C) at many places over Punjab; at a few places over Gangetic West Bengal, Odisha and Marathwada; at isolated places over Haryana, Chandigarh & Delhi, West Rajasthan, Bihar and Gujarat Region. They were below normal (-1.6°C to -3.0°C) at most places over Lakshadweep; at a few places over Andaman & Nicobar Islands; at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad and Tamil Nadu, Puducherry & Karaikal. **Yesterday**, the lowest minimum temperature of 21.0°C was reported at Satna (East Madhya Pradesh) over the plains of the country.

◆ **Maximum Temperature Departures (as on 03-08-2022):** Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places over Vidarbha; at a few places over Madhya Maharashtra and at isolated places over Himachal Pradesh and Madhya Pradesh; above normal (1.6°C to -3.0°C) at most places over Chhattisgarh, Jharkhand, Odisha and Marathwada; at many places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Sub-Himalayan West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura, Gujarat Region and Telangana; at a few places over Gangetic West Bengal, Assam & Meghalaya, Saurashtra & Kutch, Konkan & Goa and at isolated places over Coastal Andhra Pradesh & Yanam. They were appreciably below normal (-3.1°C to -5.0°C) at many places over South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Lakshadweep and isolated places over East Uttar Pradesh; below normal (-1.6°C to -3.0°C) most places over at many places over Rayalaseema, North Interior Karnataka and near normal over rest parts of the country. **Yesterday**, the highest maximum temperature of 37.1°C was reported at Jaisalmer (West Rajasthan).

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Meteorological Analysis (Based on 0530 hours IST)

- ◆ The **monsoon trough** at mean sea level now passes through Ganganagar, Hissar, Aligarh, Hardoi, Varanasi, Jamshedpur, Balasore 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 south Andhra Pradesh-north Tami Nadu coasts extending upto 3.1 km above mean sea level persists.
- ◆ The **Western Disturbance** as a trough in middle tropospheric westerlies roughly along Long. 68°E to the north of Lat. 30°N with its axis at 5.8 km above mean sea level persists.
- ◆ The cyclonic circulation over southern parts of central Uttar Pradesh between 1.5 km & 3.1 km above mean sea level persists.

Weather Forecast for next 5 days * upto 0830 hours IST of 09th 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.
- ◆ Thunderstorm light/moderate with lightning over Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Rajasthan and Uttar Pradesh during next 5 days.

Weather Outlook for subsequent 2 days During 09th August - 11th 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.

Weather Warning during next 5 days *

04 Aug (Day 1): ♦ Heavy to very heavy rainfall with extremely heavy falls at isolated places very likely over Coastal & South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal; **heavy to very heavy rainfall** at isolated places over Uttarakhand, Rayalaseema, North Interior Karnataka and Kerala & Mahe and **heavy rainfall** at isolated places over West Uttar Pradesh, East Rajasthan, Bihar, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat Region, Madhya Maharashtra, Konkan & Goa, Telangana and Lakshadweep.

♦ **Thundersquall (speed reaching 50-60 kmph)** very likely at isolated places over Andaman & Nicobar Islands and **thunderstorm accompanied with lightning** at isolated places over Uttar Pradesh, East Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, Gangetic West Bengal, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka and Tamil Nadu, Puducherry & Karaikal.

♦ **Squally weather** (wind speed 45-55 kmph gusting to 65 kmph) very likely over along and off Kerala, Karnataka, Goa, south Maharashtra, Tamil Nadu, south Andhra Pradesh coasts, east central and southeast Arabian Sea, Lakshadweep area, south west and adjoining west central Bay of Bengal; Squally weather (wind speed 40-50 kmph gusting to 60 kmph) Andaman Sea. **Squally winds** of 50-60 kmph gusting to 70 kmph likely over south west Bay of Bengal and off Sri Lanka coast, Comorin area, Gulf of Mannar; 45-55 kmph gusting to 65 kmph likely over south and adjoining central Arabian sea, south and adjoining central Bay of Bengal. Fishermen are advised not to venture into these seas.

05 Aug (Day 2): ♦ Heavy to very heavy rainfall with extremely heavy falls at isolated places very likely over Coastal & South Interior Karnataka; **heavy to very heavy rainfall** at isolated places over Konkan & Goa, North Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe and **heavy rainfall** at isolated places over Himachal Pradesh, Uttarakhand, West Uttar Pradesh, East Rajasthan, Vidarbha, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat Region, Madhya Maharashtra, Marathwada and Telangana.

♦ **Thundersquall (speed reaching 50-60 kmph)** very likely at isolated places over Andaman & Nicobar Islands; **thunderstorm accompanied with gusty winds (speed reaching 30-40 kmph)** at isolated places over Telangana and **thunderstorm accompanied with lightning** at isolated places over Uttar Pradesh, East Rajasthan, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Rayalaseema, Interior Karnataka and Tamil Nadu, Puducherry & Karaikal.

♦ **Squally weather** (wind speed 45-55 kmph gusting to 65 kmph) very likely over along and off Karnataka, Goa, Maharashtra, Tamil Nadu, south Andhra Pradesh coasts, east central Arabian Sea, south west and adjoining west central Bay of Bengal; Squally weather (wind speed 40-50 kmph gusting to 60 kmph) over north Andaman Sea and south east Bay of Bengal. **Squally winds** of 45-55 kmph gusting to 65 kmph likely over south west, west central Arabian Sea and adjoining east central Arabian Sea, Lakshadweep, Comorin, west central and adjoining east central and south west Bay of Bengal; 40-50 kmph gusting to 60 kmph likely over south and adjoining east central Bay of Bengal. Fishermen are advised not to venture into these seas.

06 Aug (Day 3): ♦ Heavy to very heavy rainfall at a few places with **extremely heavy falls** at isolated places likely over Konkan & Goa; **heavy to very heavy rainfall** at isolated places over East Rajasthan, Madhya Maharashtra, Telangana and Coastal & South Interior Karnataka and **heavy rainfall** at isolated places over Himachal Pradesh, Uttarakhand, West Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Odisha, Andaman & Nicobar Islands, Assam & Meghalaya, Gujarat Region, Marathwada, Coastal Andhra Pradesh & Yanam, North Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thundersquall (speed reaching 50-60 kmph)** likely at isolated places over Andaman & Nicobar Islands; **thunderstorm accompanied with gusty winds (speed reaching 30-40 kmph)** at isolated places over Telangana and **thunderstorm accompanied with lightning** at isolated places over Uttar Pradesh, East Rajasthan, Coastal Andhra Pradesh & Yanam, Rayalaseema, Interior Karnataka and Tamil Nadu, Puducherry & Karaikal.

♦ **Squally weather** (wind speed 45-55 kmph gusting to 65 kmph) very likely over along and off Goa, Maharashtra, coasts, east central Arabian Sea, south west and adjoining west central Bay of Bengal; Squally weather (wind speed 40-50 kmph gusting to 65 kmph) over north Andaman Sea and south east Bay of Bengal, northwest Bay of Bengal along and off north Andhra Pradesh and Odisha coasts. **Squally winds** of 45-55 kmph gusting to 65 kmph likely over south and adjoining central Arabian Sea, west central and adjoining east central and south west Bay of Bengal. Fishermen are advised not to venture into these seas.

07 Aug (Day 4): ♦ Heavy to very heavy rainfall at a few places with **extremely heavy falls** at isolated places likely over Konkan & Goa; **heavy to very heavy rainfall** at isolated places over East Rajasthan, Chhattisgarh, Odisha, Madhya Maharashtra and Telangana and **heavy rainfall** at isolated places over Himachal Pradesh, Uttarakhand, West Rajasthan, Madhya Pradesh, Vidarbha, Andaman & Nicobar Islands, Gujarat Region, Coastal Andhra Pradesh & Yanam, Karnataka and Kerala & Mahe.

♦ **Thundersquall (speed reaching 50-60 kmph)** likely at isolated places over Andaman & Nicobar Islands; **thunderstorm accompanied with gusty winds (speed reaching 30-40 kmph)** at isolated places over Telangana and **thunderstorm accompanied with lightning** at isolated places over Uttar Pradesh, East Rajasthan, Coastal Andhra Pradesh & Yanam, Rayalaseema and South Interior Karnataka.

♦ **Squally weather** (wind speed 45-55 kmph gusting to 65 kmph) likely over along and off Goa, Maharashtra, south Gujarat coasts, east central Arabian Sea, west central and adjoining northwest Bay of Bengal, along and off north Andhra Pradesh and Odisha coasts; Squally weather (wind speed 40-50 kmph gusting to 65 kmph) over Andaman Sea and south east Bay of Bengal. **Squally winds** of 45-55 kmph gusting to 65 kmph likely over south west, west central Arabian Sea and adjoining east central Arabian Sea; 40-50 kmph gusting to 60 kmph likely over south and adjoining central Bay of Bengal. Fishermen are advised not to venture into these seas.

08 Aug (Day 5): ♦ Heavy to very heavy rainfall at a few places with **extremely heavy falls** at isolated places likely over Konkan & Goa; **heavy to very heavy rainfall** at isolated places over East Rajasthan, Chhattisgarh, Odisha, Madhya Maharashtra and Telangana and **heavy rainfall** at isolated places over Himachal Pradesh, Uttarakhand, West Rajasthan, Madhya Pradesh, Vidarbha, Andaman & Nicobar Islands, Gujarat Region, Coastal Andhra Pradesh & Yanam, Karnataka and Kerala & Mahe.

♦ **Thundersquall (speed reaching 50-60 kmph)** likely at isolated places over Andaman & Nicobar Islands; **thunderstorm accompanied with gusty winds (speed reaching 30-40 kmph)** at isolated places over Telangana and **thunderstorm accompanied with lightning** at isolated places over Uttar Pradesh, East Rajasthan, Coastal Andhra Pradesh & Yanam, Rayalaseema and South Interior Karnataka.

♦ **Squally weather** (wind speed 45-55 kmph gusting to 65 kmph) likely over along and off Goa, Maharashtra, south Gujarat coasts, east central Arabian Sea, west central and adjoining northwest Bay of Bengal, along and off north Andhra Pradesh and Odisha coasts; Squally weather (wind speed 40-50 kmph gusting to 65 kmph) over Andaman Sea and south east Bay of Bengal. **Squally winds** of 45-55 kmph gusting to 65 kmph over south west, west central Arabian Sea and adjoining east central Arabian Sea; 40-50 kmph gusting to 60 kmph likely over south and adjoining 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)
04-August-2022

Met-Sub-Division	04-Aug Today	05Aug Fri	06Aug Sat	07Aug Sun	08Aug Mon
1. Andaman & Nicobar Islands	WS	WS	WS	WS	WS
2. Arunachal Pradesh	FWS	FWS	FWS	SCT	SCT
3. Assam & Meghalaya	FWS	FWS	FWS	FWS	FWS
4. N. M. M. & T.	WS	FWS	FWS	FWS	FWS
5. S.H. West Bengal & Sikkim	FWS	FWS	FWS	FWS	FWS
6. Gangetic West Bengal	SCT	SCT	FWS	FWS	FWS
7. Odisha	SCT	FWS	FWS	WS	WS
8. Jharkhand	FWS	SCT	FWS	FWS	FWS
9. Bihar	FWS	SCT	SCT	SCT	SCT
10. East Uttar Pradesh	WS	SCT	SCT	SCT	SCT
11. West Uttar Pradesh	WS	FWS	FWS	FWS	FWS
12. Uttarakhand	WS	WS	WS	FWS	FWS
13. Haryana, Chd & Delhi	FWS	FWS	SCT	SCT	SCT
14. Punjab	SCT	FWS	SCT	SCT	SCT
15. Himachal Pradesh	SCT	WS	WS	WS	WS
16. J & K and Ladakh	ISOL	ISOL	SCT	SCT	SCT
17. West Rajsthan	SCT	SCT	SCT	FWS	FWS
18. East Rajasthan	FWS	FWS	WS	WS	WS
19. West Madhya Pradesh	SCT	FWS	FWS	FWS	FWS
20. East Madhya Pradesh	FWS	FWS	WS	WS	WS
21. Gujarat Region	SCT	FWS	FWS	WS	WS
22. Saurashtra & Kutch	SCT	SCT	SCT	SCT	SCT
23. Konkan & Goa	WS	WS	WS	WS	WS
24. Madhya Maharashtra	FWS	WS	WS	WS	WS
25. Marathawada	FWS	WS	WS	WS	WS
26. Vidharbha	FWS	FWS	WS	WS	WS
27. Chhattisgarh	FWS	FWS	WS	WS	WS
28. Coastal A. P. & Yanam	SCT	SCT	SCT	FWS	FWS
29. Telangana	WS	WS	WS	WS	WS
30. Rayalaseema	FWS	SCT	SCT	SCT	SCT
31. T.N.,Puducherry & Karaikal	FWS	SCT	SCT	ISOL	ISOL
32. Coastal Karnataka	WS	WS	WS	WS	WS
33. North Interior Karnataka	WS	WS	WS	FWS	FWS
34. South Interior Karnataka	WS	WS	WS	FWS	FWS
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		

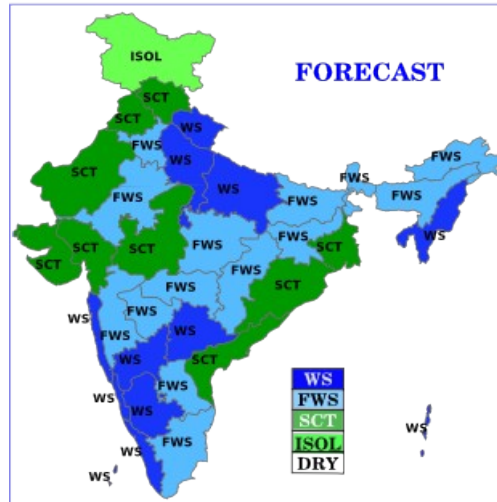
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Thursday 04 August 2022



04 Aug (Day 1): ♦ Heavy to very heavy rainfall with extremely heavy falls at isolated places very likely over Coastal & South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal; **heavy to very heavy rainfall** at isolated places over Uttarakhand, Rayalaseema, North Interior Karnataka and Kerala & Mahe and **heavy rainfall** at isolated places over West Uttar Pradesh, East Rajasthan, Bihar, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat Region, Madhya Maharashtra, Konkan & Goa, Telangana and Lakshadweep.

♦ **Thundersquall (speed reaching 50-60 kmph)** very likely at isolated places over Andaman & Nicobar Islands and **thunderstorm accompanied with lightning** at isolated places over Uttar Pradesh, East Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, Gangetic West Bengal, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Marathawada, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka and Tamil Nadu, Puducherry & Karaikal.

♦ **Squally weather** (wind speed 45-55 kmph gusting to 65 kmph) very likely over along and off Kerala, Karnataka, Goa, south Maharashtra, Tamil Nadu, south Andhra Pradesh coasts, east central and southeast Arabian Sea, Lakshadweep area, south west and adjoining west central Bay of Bengal; Squally weather (wind speed 40-50 kmph gusting to 60 kmph) Andaman Sea. **Squally winds** of 50-60 kmph gusting to 70 kmph likely over south west Bay of Bengal and off Sri Lanka coast, Comorin area, Gulf of Mannar; 45-55 kmph gusting to 65 kmph likely over south and adjoining central Arabian sea, south and adjoining central Bay of Bengal. Fishermen are advised not to venture into these seas.

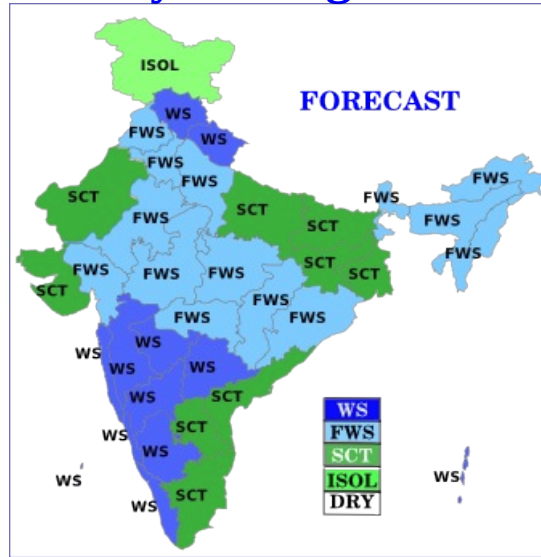
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Friday 05 August 2022



05 Aug (Day 2): ♦ Heavy to very heavy rainfall with extremely heavy falls at isolated places very likely over Coastal & South Interior Karnataka; **heavy to very heavy rainfall** at isolated places over Konkan & Goa, North Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe and **heavy rainfall** at isolated places over Himachal Pradesh, Uttarakhand, West Uttar Pradesh, East Rajasthan, Vidarbha, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat Region, Madhya Maharashtra, Marathwada and Telangana.

♦ **Thundersquall (speed reaching 50-60 kmph)** very likely at isolated places over Andaman & Nicobar Islands; **thunderstorm accompanied with gusty winds (speed reaching 30-40 kmph)** at isolated places over Telangana and **thunderstorm accompanied with lightning** at isolated places over Uttar Pradesh, East Rajasthan, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Rayalaseema, Interior Karnataka and Tamil Nadu, Puducherry & Karaikal.

♦ **Squally weather** (wind speed 45-55 kmph gusting to 65 kmph) very likely over along and off Karnataka, Goa, Maharashtra, Tamil Nadu, south Andhra Pradesh coasts, east central Arabian Sea, south west and adjoining west central Bay of Bengal; Squally weather (wind speed 40-50 kmph gusting to 60 kmph) over north Andaman Sea and south east Bay of Bengal. **Squally winds** of 45-55 kmph gusting to 65 kmph likely over south west, west central Arabian Sea and adjoining east central Arabian Sea, Lakshadweep, Comorin, west central and adjoining east central and south west Bay of Bengal; 40-50 kmph gusting to 60 kmph likely over south and adjoining east central Bay of Bengal. Fishermen are advised not to venture into these seas.

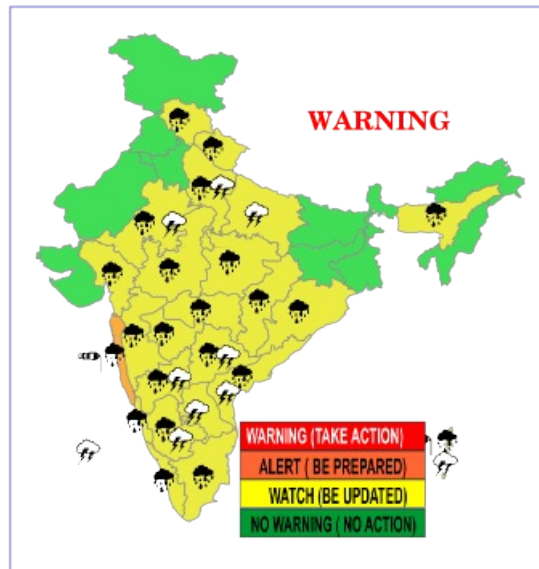
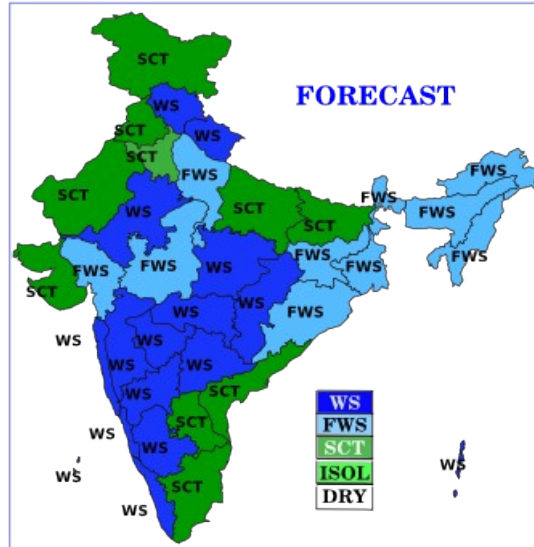
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Saturday 06 August 2022



06 Aug (Day 3): ♦ **Heavy to very heavy rainfall** at a few places with **extremely heavy falls** at isolated places likely over Konkan & Goa; **heavy to very heavy rainfall** at isolated places over East Rajasthan, Madhya Maharashtra, Telangana and Coastal & South Interior Karnataka and **heavy rainfall** at isolated places over Himachal Pradesh, Uttarakhand, West Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Odisha, Andaman & Nicobar Islands, Assam & Meghalaya, Gujarat Region, Marathwada, Coastal Andhra Pradesh & Yanam, North Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thundersquall** (speed reaching 50-60 kmph) likely at isolated places over Andaman & Nicobar Islands; **thunderstorm accompanied with gusty winds** (speed reaching 30-40 kmph) at isolated places over Telangana and **thunderstorm accompanied with lightning** at isolated places over Uttar Pradesh, East Rajasthan, Coastal Andhra Pradesh & Yanam, Rayalaseema, Interior Karnataka and Tamil Nadu, Puducherry & Karaikal.

♦ **Squally weather** (wind speed 45-55 kmph gusting to 65 kmph) very likely over along and off Goa, Maharashtra, coasts, east central Arabian Sea, south west and adjoining west central Bay of Bengal; Squally weather (wind speed 40-50 kmph gusting to 65 kmph) over north Andaman Sea and south east Bay of Bengal, northwest Bay of Bengal along and off north Andhra Pradesh and Odisha coasts. **Squally winds** of 45-55 kmph gusting to 65 kmph likely over south and adjoining central Arabian Sea, west central and adjoining east central and south west Bay of Bengal. Fishermen are advised not to venture into these seas.

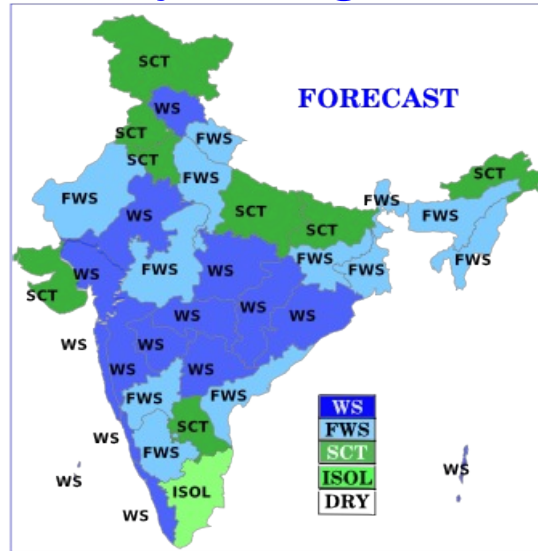
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(Copies to the Minister (067))

Sunday 07 August 2022



07 Aug (Day 4): ♦ **Heavy to very heavy rainfall** at a few places with **extremely heavy falls** at isolated places likely over Konkan & Goa; **heavy to very heavy rainfall** at isolated places over East Rajasthan, Chhattisgarh, Odisha, Madhya Maharashtra and Telangana and **heavy rainfall** at isolated places over Himachal Pradesh, Uttarakhand, West Rajasthan, Madhya Pradesh, Vidarbha, Andaman & Nicobar Islands, Gujarat Region, Coastal Andhra Pradesh & Yanam, Karnataka and Kerala & Mahe.

♦ **Thundersquall** (speed reaching 50-60 kmph) likely at isolated places over Andaman & Nicobar Islands; **thunderstorm accompanied with gusty winds** (speed reaching 30-40 kmph) at isolated places over Telangana and **thunderstorm accompanied with lightning** at isolated places over Uttar Pradesh, East Rajasthan, Coastal Andhra Pradesh & Yanam, Rayalaseema and South Interior Karnataka.

♦ **Squally weather** (wind speed 45-55 kmph gusting to 65 kmph) likely over along and off Goa, Maharashtra, south Gujarat coasts, east central Arabian Sea, west central and adjoining northwest Bay of Bengal, along and off north Andhra Pradesh and Odisha coasts; Squally weather (wind speed 40-50 kmph gusting to 65 kmph) over Andaman Sea and south east Bay of Bengal. **Squally winds** of 45-55 kmph gusting to 65 kmph likely over south west, west central Arabian Sea and adjoining east central Arabian Sea; 40-50 kmph gusting to 60 kmph likely over south and adjoining central Bay of Bengal. Fishermen are advised not to venture into these seas.

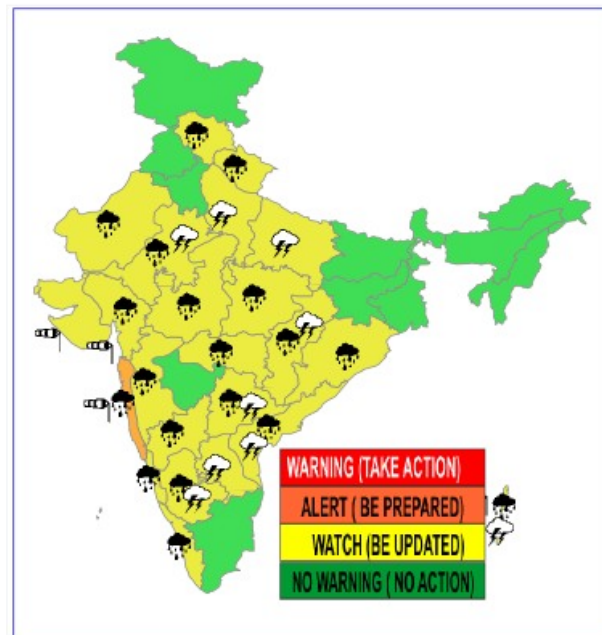
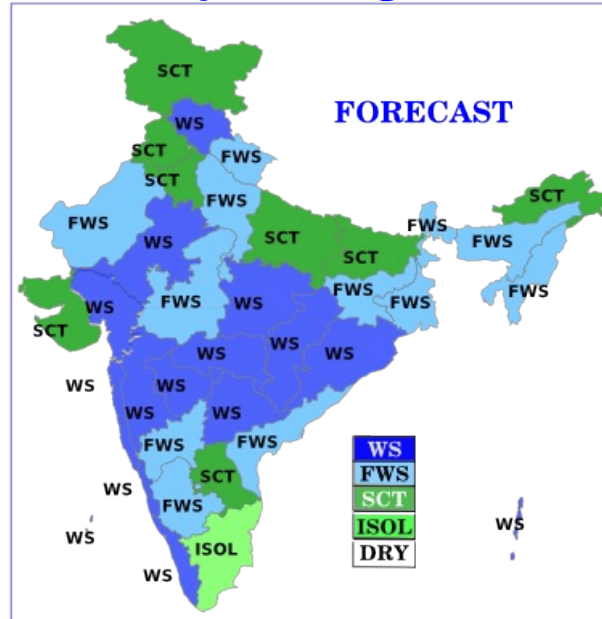
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(Copies to the Media only 1870)

Monday 08 August 2022



08 Aug (Day 5): ♦ **Heavy to very heavy rainfall** at a few places with **extremely heavy falls** at isolated places likely over Konkan & Goa; **heavy to very heavy rainfall** at isolated places over East Rajasthan, Chhattisgarh, Odisha, Madhya Maharashtra and Telangana and **heavy rainfall** at isolated places over Himachal Pradesh, Uttarakhand, West Rajasthan, Madhya Pradesh, Vidarbha, Andaman & Nicobar Islands, Gujarat Region, Coastal Andhra Pradesh & Yanam, Karnataka and Kerala & Mahe.

♦ **Thundersquall (speed reaching 50-60 kmph)** likely at isolated places over Andaman & Nicobar Islands; **thunderstorm accompanied with gusty winds (speed reaching 30-40 kmph)** at isolated places over Telangana and **thunderstorm accompanied with lightning** at isolated places over Uttar Pradesh, East Rajasthan, Coastal Andhra Pradesh & Yanam, Rayalaseema and South Interior Karnataka.

♦ **Squally weather** (wind speed 45-55 kmph gusting to 65 kmph) likely over along and off Goa, Maharashtra, south Gujarat coasts, east central Arabian Sea, west central and adjoining northwest Bay of Bengal, along and off north Andhra Pradesh and Odisha coasts; Squally weather (wind speed 40-50 kmph gusting to 65 kmph) over Andaman Sea and south east Bay of Bengal. **Squally winds** of 45-55 kmph gusting to 65 kmph over south west, west central Arabian Sea and adjoining east central Arabian Sea; 40-50 kmph gusting to 60 kmph likely over south and adjoining central Bay of Bengal. Fishermen are advised not to venture into these seas.

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(Created by the MetInfo team 18/7/22)

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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(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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