



Tuesday 02 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 10°N over south peninsular India in middle & upper 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 eastern end runs near normal position. Its western end is very likely to be north of its normal position during next 2-3 days.
- ◆ Under the influence of above systems:
 - i) Fairly widespread/widespread rainfall with **isolated heavy falls and thunderstorm/lightning** very likely over Telangana on 2nd-6th; Rayalaseema and Lakshadweep during 02nd-04th; Goa on 2nd; south Coastal Andhra Pradesh & Yanam on 05th and over Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe during 02nd-05th August, 2022.
 - a) Isolated **very heavy rainfall** likely over Coastal & South Karnataka during 02nd- 06th; North Interior Karnataka on 05th & 6th and over Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe during 02nd-04th August, 2022.
 - b) Isolated **extremely heavy rainfall** also likely over Tamil Nadu, Puducherry & Karaikal on 02nd-03rd; Kerala & Mahe during 02nd-04th; South Interior Karnataka on 03rd & 04th; Coastal Karnataka on 04th & 05th August, 2022.
 - ii) Fairly widespread/widespread rainfall with **isolated heavy falls and thunderstorm/lightning** very likely over Bihar, Jharkhand & Odisha on 02nd; Arunachal Pradesh on 02nd-03rd; Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during 02nd-05th August, 2022.

Main Weather Observations

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

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(Circle as the National Alert 1077)

- ◆ **Rainfall/thundershower observed (from 0830 hours IST to 1730 hours IST of yesterday):** at most places over Arunachal Pradesh, Lakshadweep and Kerala & Mahe; at many places over Jammu & Kashmir, Bihar, Jharkhand and Sub-Himalayan West Bengal & Sikkim; at a few places over Uttarakhand, Rajasthan, Saurashtra & Kutch, West Uttar Pradesh, Gangetic West Bengal, Nagaland, Manipur, Mizoram & Tripura, Assam & Meghalaya, Odisha, Konkan & Goa, Telangana, Coastal & South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal and at isolated places over Himachal Pradesh, Haryana, Chandigarh & Delhi, Gujarat Region, Madhya Pradesh, East Uttar Pradesh, Chhattisgarh, Andaman & Nicobar Islands, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Rayalaseema and North Interior Karnataka.
- ◆ **Chief amount of Rainfall observed (from 0830 hours IST to 1730 hours IST of yesterday): (2 cm or more):** Hanamkonka-8; Narnaul-7; Balurghat, Bhubaneswar and Kochin-5 each; Pendra Road, Aijal and Punalur-4 each; Churu, Sikar, Ranchi, Daltonganj, Baghdogra, Hyderabad and Tiruttani-3 each; Shahjahanpur, Supaul, Aminidivi, Tiruppattur and Valprai-2 each.
- ◆ **Heavy rainfall observed (from 0830 hours IST to 1730 hours IST of yesterday):** Heavy rainfall occurred at isolated places over Haryana and Telangana.
- ◆ **Thunderstorm observed (from 0830 hours IST of yesterday to 0530 hours IST of today):** at isolated places over East Uttar Pradesh, Odisha, Gangetic West Bengal, Jharkhand, Chhattisgarh, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh, Tamilnadu, Puducherry & Karaikal and Telangana.
- ◆ **Minimum Temperature Departures (as on 01-08-2022):** Minimum temperatures were appreciably above normal (3.1°C to 5.0°C) at at isolated places over Vidarbha and Odisha; above normal (1.6°C to 3.0°C) at a few places over Telangana, Coastal Andhra Pradesh & Yanam and Gangetic West Bengal and at isolated places over East Rajasthan, Saurashtra & Kutch, East Madhya Pradesh and Marathwada. They were below normal (-1.6°C to -3.0°C) at a few places over Himachal Pradesh and Tamil Nadu, Puducherry & Karaikal and at isolated places over Jammu & Kashmir and West Rajasthan and near normal over rest parts of the country. Yesterday, the lowest minimum temperature of 21.0°C was reported at Khandwa and Khargone (West Madhya Pradesh) over the plains of the country.
- ◆ **Maximum Temperature Departures (as on 01-08-2022):** Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places over Madhya Maharashtra; at a few places over Vidarbha, Odisha and Telangana; at isolated places over East Madhya Pradesh and Gujarat Region; above normal (1.6°C to -3.0°C) at many places over Konkan & Goa, Chhattisgarh, South Interior Karnataka and Coastal Andhra Pradesh & Yanam; at a few places over East Uttar Pradesh, Gangetic West Bengal, Coastal Karnataka and Rayalaseema; at isolated places over West Madhya Pradesh, Saurashtra & Kutch and Tamilnadu, Puducherry & Karaikal. They were markedly below normal (-5.1°C or less) at a few places over Jammu & Kashmir; appreciably below normal (-3.1°C to -5.0°C) at a few places over West Rajasthan and Kerala & Mahe; at isolated places over Sub-Himalayan West Bengal & Sikkim; below normal (-1.6°C to -3.0°C) most places over Lakshadweep; at a few places over Himachal Pradesh; at isolated places over East Rajasthan and Assam & Meghalaya and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 38.0°C was reported at Nalgonda (Telangana).

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Meteorological Analysis (Based on 0530 hours IST)

- ◆ The **monsoon trough** at mean sea level continue to pass through Amritsar, Chandigarh, Bareilly, Bahraich, Patna, Bankura, Digha and thence east-southeastwards to northeast Bay of Bengal.
- ◆ The **Western Disturbance** as a trough in middle tropospheric westerlies with its axis at 5.8 km above mean sea level roughly along Long. 73° E to the north of Lat. 30° N persists.
- ◆ 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 coastal Tamilnadu & neighbourhood at 1.5 km above mean sea level persists.
- ◆ The shear zone roughly along 10°N over south peninsular India persists and now seen between 3.1 km & 7.6 km above mean sea level tilting southwards with height.

Weather Forecast for next 5 days * upto 0830 hours IST of 07th 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 07th August - 09th 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 *

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

♦**Thunderstorm accompanied with gusty winds (speed reaching 45-55 kmph)** likely at isolated places over Andaman & Nicobar Islands and **with lightning** at isolated places over Uttarakhand, Uttar Pradesh, Chhattisgarh, Bihar, Jharkhand, Gangetic West Bengal, Odisha, 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 coasts, Lakshadweep area, Maldives, Comorin area, south west 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 58 Deg E, central parts of south Bay of Bengal and 40-50 kmph gusting to 60 kmph likely over south Arabian Sea and central Arabian Sea west of 71 Deg E, Comorin area, Gulf of Mannar, south Bay of Bengal. Fishermen are advised not to venture into these seas.

03 Aug (Day 2): ♦ Heavy to very heavy rainfall at a few places with extremely heavy falls at isolated places very likely over Kerala & Mahe; **heavy to very heavy rainfall with extremely heavy falls** likely at isolated places over South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal and **heavy to very heavy rainfall** at isolated places over Coastal Karnataka and **heavy rainfall** at isolated places over Uttarakhand, 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 45-55 kmph)** likely at isolated places over Andaman & Nicobar Islands and **with lightning** at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Rajasthan, 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 coasts, Lakshadweep area, Maldives, Comorin area, south west Bay of Bengal, off south 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 58 Deg E, central parts of south Bay of Bengal and 40-50 kmph gusting to 60 kmph likely over south Arabian Sea and central Arabian Sea west of 71 Deg E, Comorin area, Gulf of Mannar, south Bay of Bengal. Fishermen are advised not to venture into these seas.

04 Aug (Day 3): ♦ Heavy to very heavy rainfall with extremely heavy falls likely at isolated places over Coastal & South Interior Karnataka and Kerala & Mahe and **heavy to very heavy rainfall** at isolated places over Tamil Nadu, Puducherry & Karaikal and **heavy rainfall** at isolated places over East Rajasthan, Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Telangana, Rayalaseema, North Interior Karnataka and Lakshadweep.

♦**Thunderstorm accompanied with gusty winds (speed reaching 45-55 kmph)** likely at isolated places over Andaman & Nicobar Islands and **with lightning** at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Rajasthan, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Rayalaseema, 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 Karnataka, Goa, south Maharashtra coasts, Andaman Sea, 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 58 Deg E, central parts of south Bay of Bengal and 40-50 kmph gusting to 60 kmph likely over south Arabian Sea and central Arabian Sea west of 71 Deg E, Comorin area, Gulf of Mannar, south Bay of Bengal. Fishermen are advised not to venture into these seas.

05 Aug (Day 4): ♦ Heavy to very heavy rainfall with extremely heavy falls likely at isolated places over Coastal Karnataka and **heavy to very heavy rainfall** at isolated places over Interior Karnataka and **heavy rainfall** at isolated places over Himachal Pradesh, Uttarakhand, East Uttar Pradesh, East Rajasthan, Madhya Pradesh, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦**Thunderstorm accompanied with gusty winds (speed reaching 45-55 kmph)** likely at isolated places over Andaman & Nicobar Islands and **with lightning** at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Rajasthan, Marathwada, Coastal Andhra Pradesh & Yanam, Rayalaseema, 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 Goa, south Maharashtra coasts, Andaman Sea, 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 58 Deg E, central parts of south Bay of Bengal and 40-50 kmph gusting to 60 kmph likely over south Arabian Sea and central Arabian Sea west of 71 Deg E, Comorin area, Gulf of Mannar, south Bay of Bengal. Fishermen are advised not to venture into these seas.

06 Aug (Day 5): ♦ Heavy to very heavy rainfall likely at isolated places over Coastal & North Interior Karnataka and **heavy rainfall** at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Rajasthan, Gujarat Region, Madhya Pradesh, Chhattisgarh, Odisha, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Vidarbha and Telangana.

♦**Thunderstorm accompanied with gusty winds (speed reaching 40-50 kmph)** likely at isolated places over Andaman & Nicobar Islands and **with lightning** at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Telangana, Coastal Andhra Pradesh & Yanam, 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 Goa, south Maharashtra coasts, Andaman Sea, 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 58 Deg E, central parts of south Bay of Bengal and 40-50 kmph gusting to 60 kmph likely over south Arabian Sea and central Arabian Sea west of 71 Deg E, Comorin area, Gulf of Mannar, south 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)
02-August-2022

Met-Sub-Division	02-Aug Today	03Aug Wed	04Aug Thu	05Aug Fri	06Aug Sat
1. Andaman & Nicobar Islands	WS	WS	WS	WS	WS
2. Arunachal Pradesh	WS	FWS	FWS	FWS	FWS
3. Assam & Meghalaya	WS	FWS	FWS	FWS	FWS
4. N. M. M. & T.	FWS	FWS	WS	WS	WS
5. S.H. West Bengal & Sikkim	WS	WS	WS	WS	WS
6. Gangetic West Bengal	FWS	SCT	SCT	FWS	FWS
7. Odisha	FWS	SCT	SCT	FWS	FWS
8. Jharkhand	WS	WS	FWS	FWS	FWS
9. Bihar	WS	FWS	FWS	SCT	SCT
10. East Uttar Pradesh	WS	WS	SCT	FWS	FWS
11. West Uttar Pradesh	WS	WS	SCT	FWS	FWS
12. Uttarakhand	WS	WS	FWS	WS	WS
13. Haryana, Chd & Delhi	SCT	FWS	FWS	SCT	SCT
14. Punjab	ISOL	FWS	FWS	SCT	SCT
15. Himachal Pradesh	SCT	FWS	FWS	WS	WS
16. J & K and Ladakh	SCT	SCT	SCT	SCT	SCT
17. West Rajsthan	ISOL	ISOL	SCT	SCT	SCT
18. East Rajasthan	ISOL	SCT	FWS	FWS	FWS
19. West Madhya Pradesh	ISOL	SCT	SCT	FWS	FWS
20. East Madhya Pradesh	ISOL	SCT	FWS	FWS	FWS
21. Gujarat Region	SCT	SCT	SCT	SCT	SCT
22. Saurashtra & Kutch	ISOL	ISOL	ISOL	ISOL	SCT
23. Konkan & Goa	FWS	FWS	FWS	WS	WS
24. Madhya Maharashtra	SCT	SCT	FWS	FWS	FWS
25. Marathawada	SCT	SCT	FWS	FWS	FWS
26. Vidharbha	SCT	SCT	SCT	FWS	FWS
27. Chhattisgarh	SCT	SCT	FWS	FWS	FWS
28. Coastal A. P. & Yanam	SCT	SCT	SCT	SCT	SCT
29. Telangana	FWS	FWS	WS	WS	WS
30. Rayalaseema	FWS	SCT	SCT	SCT	SCT
31. T.N.,Puducherry & Karaikal	FWS	FWS	SCT	ISOL	ISOL
32. Coastal Karnataka	WS	WS	WS	WS	FWS
33. North Interior Karnataka	WS	WS	WS	WS	WS
34. South Interior Karnataka	WS	WS	WS	WS	FWS
35. Kerala & Mahe	WS	WS	WS	WS	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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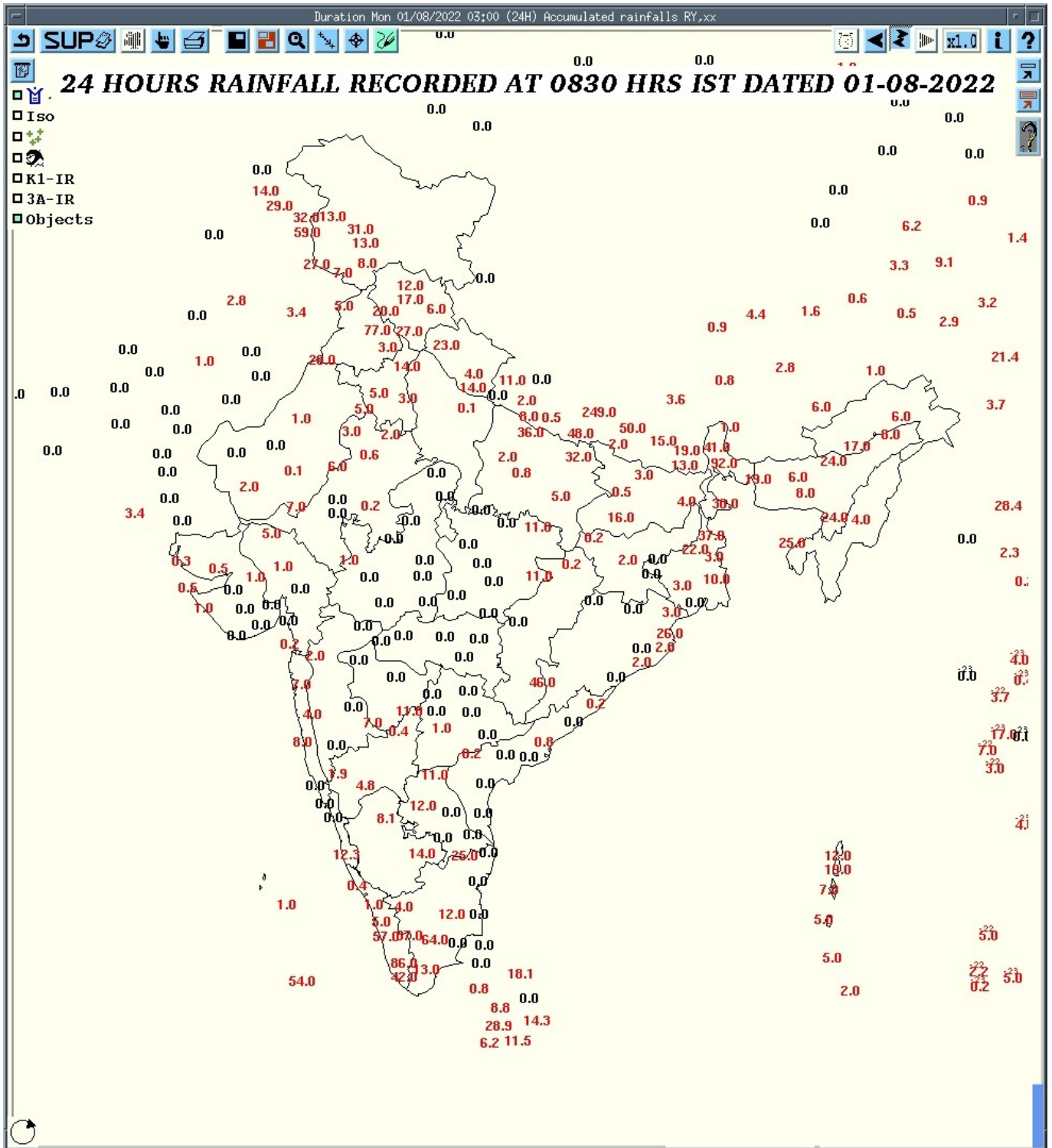
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Fig. 1: Accumulated Rainfall (mm) during past 24 hours



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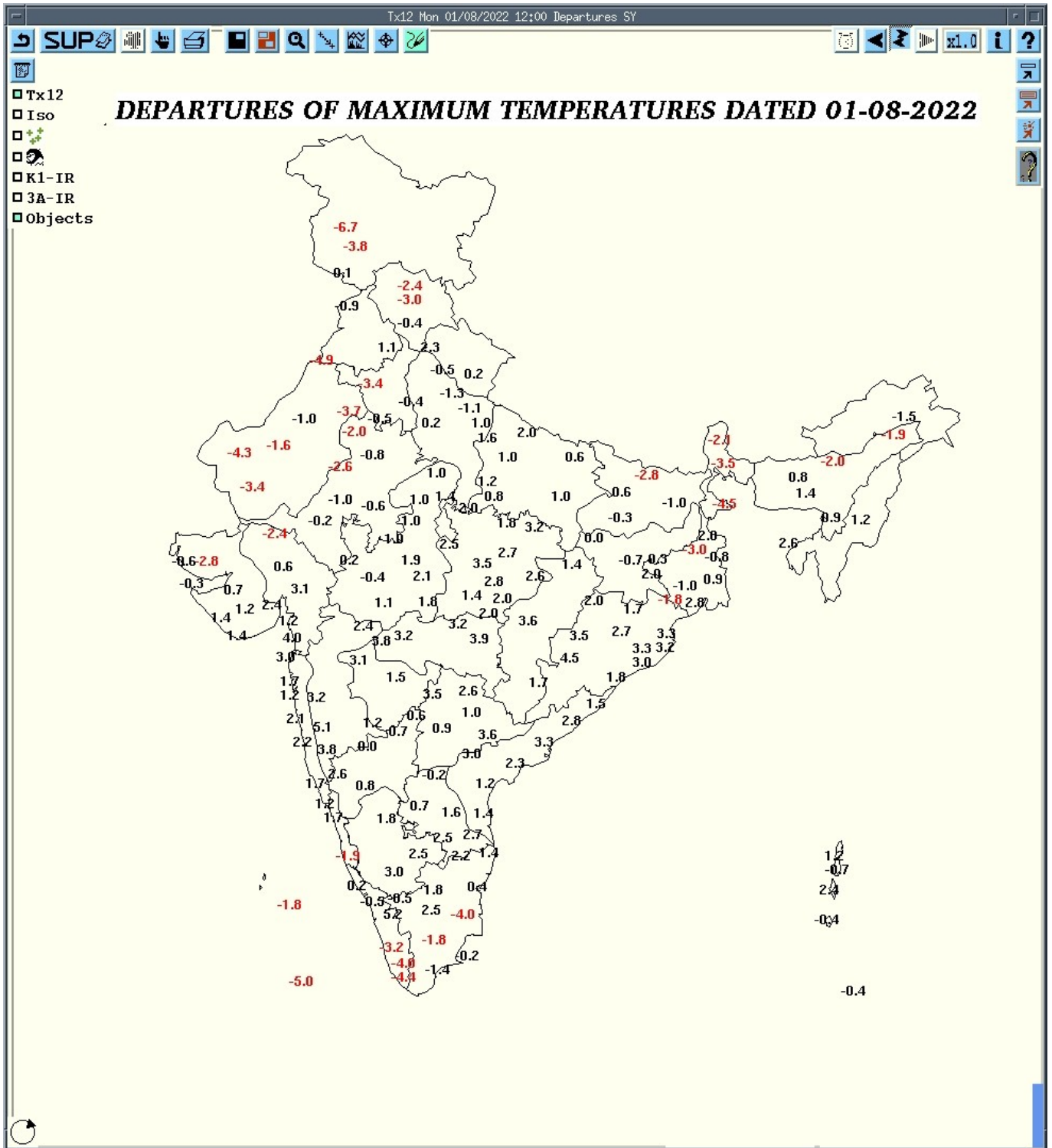
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(Created by the MetInfo class 1977)



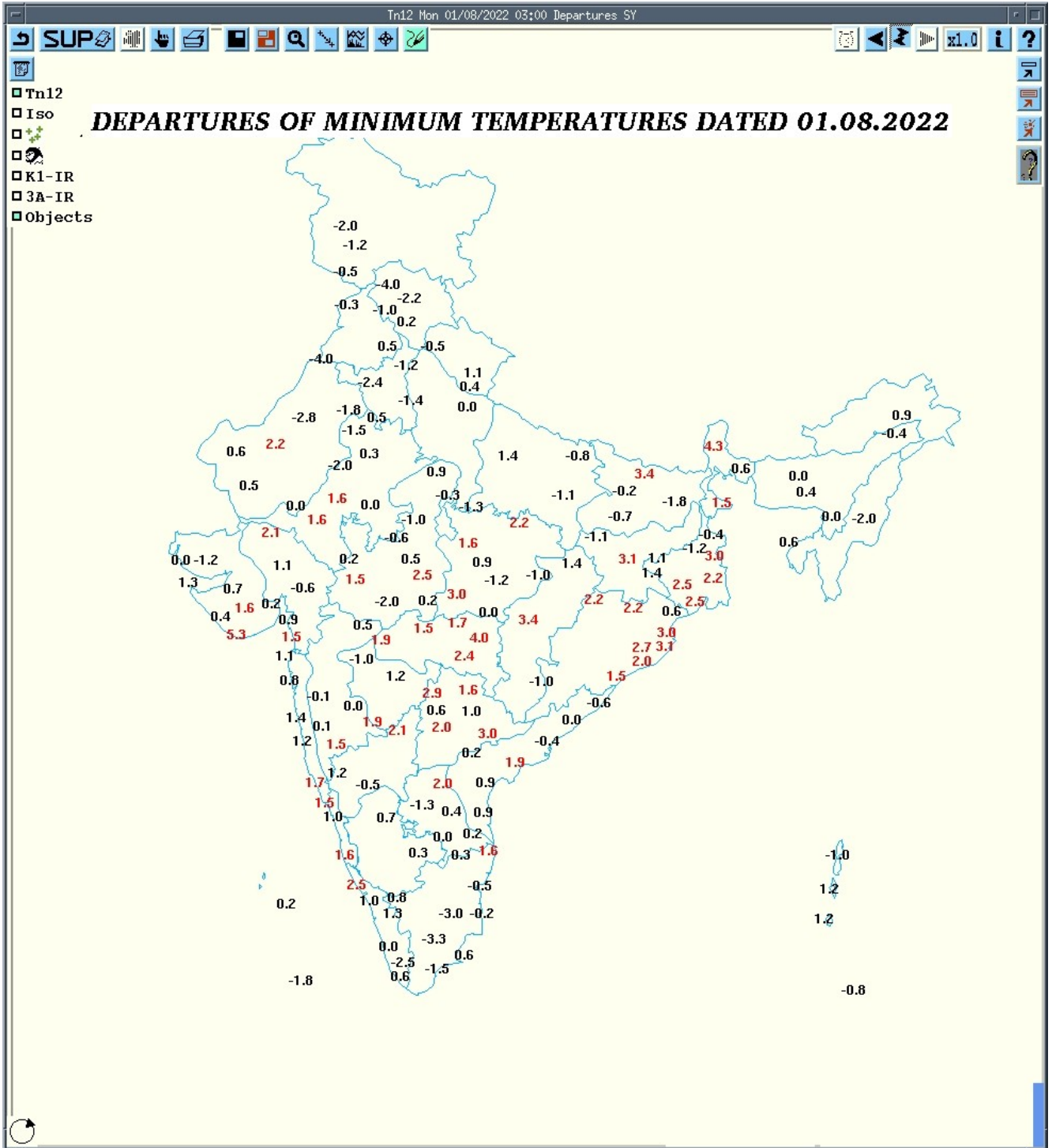
Fig. 4 : Departure from Normal of Maximum Temperatures



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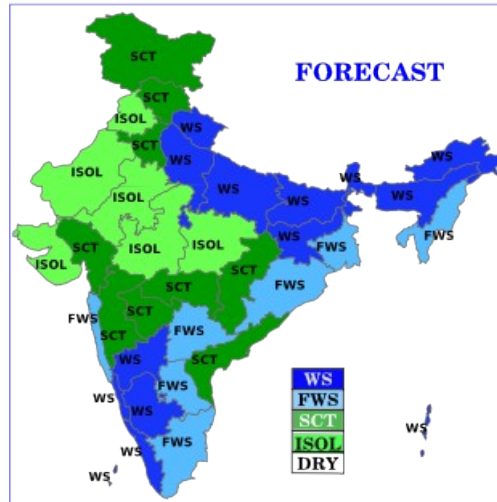


Fig. 5 : Departure from Normal of Minimum Temperatures



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Tuesday 02 August 2022



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

♦ **Thunderstorm accompanied with gusty winds (speed reaching 45-55 kmph)** likely at isolated places over Andaman & Nicobar Islands and **with lightning** at isolated places over Uttarakhand, Uttar Pradesh, Chhattisgarh, Bihar, Jharkhand, Gangetic West Bengal, Odisha, 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 coasts, Lakshadweep area, Maldives, Comorin area, south west 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 58 Deg E, central parts of south Bay of Bengal and 40-50 kmph gusting to 60 kmph likely over south Arabian Sea and central Arabian Sea west of 71 Deg E, Comorin area, Gulf of Mannar, south Bay of Bengal. Fishermen are advised not to venture into these seas.

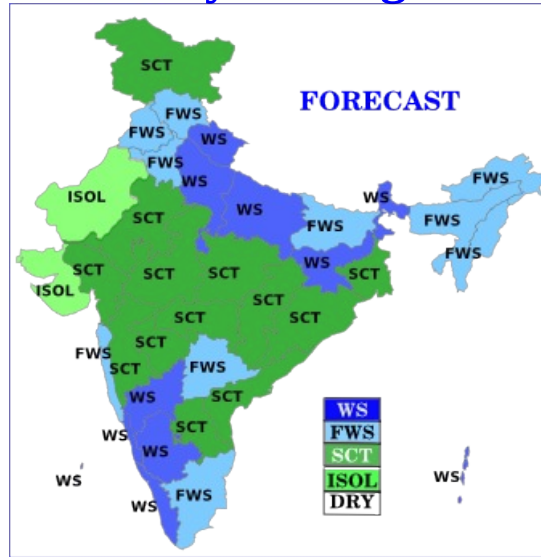
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Wednesday 03 August 2022



03 Aug (Day 2): ♦ Heavy to very heavy rainfall at a few places with extremely heavy falls at isolated places very likely over Kerala & Mahe; heavy to very heavy rainfall with extremely heavy falls likely at isolated places over South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal and heavy to very heavy rainfall at isolated places over Coastal Karnataka and heavy rainfall at isolated places over Uttarakhand, 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 45-55 kmph) likely at isolated places over Andaman & Nicobar Islands and with lightning at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Rajasthan, 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 coasts, Lakshadweep area, Maldives, Comorin area, south west Bay of Bengal, off south 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 58 Deg E, central parts of south Bay of Bengal and 40-50 kmph gusting to 60 kmph likely over south Arabian Sea and central Arabian Sea west of 71 Deg E, Comorin area, Gulf of Mannar, south Bay of Bengal. Fishermen are advised not to venture into these seas.

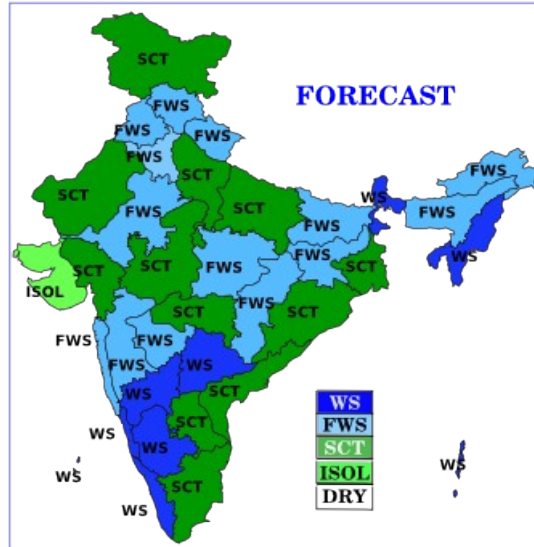
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Thursday 04 August 2022



04 Aug (Day 3): ♦ **Heavy to very heavy rainfall with extremely heavy falls** likely at isolated places over Coastal & South Interior Karnataka and Kerala & Mahe and **heavy to very heavy rainfall** at isolated places over Tamil Nadu, Puducherry & Karaikal and **heavy rainfall** at isolated places over East Rajasthan, Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Telangana, Rayalaseema, North Interior Karnataka and Lakshadweep.

♦ **Thunderstorm accompanied with gusty winds (speed reaching 45-55 kmph)** likely at isolated places over Andaman & Nicobar Islands and **with lightning** at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Rajasthan, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Rayalaseema, 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 Karnataka, Goa, south Maharashtra coasts, Andaman Sea, 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 58 Deg E, central parts of south Bay of Bengal and 40-50 kmph gusting to 60 kmph likely over south Arabian Sea and central Arabian Sea west of 71 Deg E, Comorin area, Gulf of Mannar, south Bay of Bengal. Fishermen are advised not to venture into these seas.

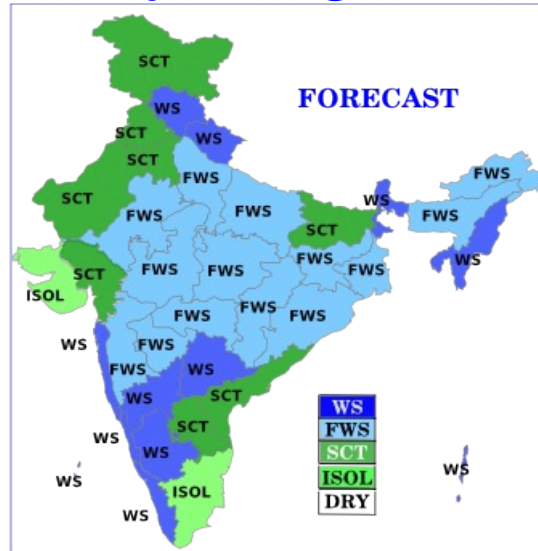
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(Copied as the National News 1877)

Friday 05 August 2022



05 Aug (Day 4): ♦ Heavy to very heavy rainfall with extremely heavy falls likely at isolated places over Coastal Karnataka and heavy to very heavy rainfall at isolated places over Interior Karnataka and heavy rainfall at isolated places over Himachal Pradesh, Uttarakhand, East Uttar Pradesh, East Rajasthan, Madhya Pradesh, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ Thunderstorm accompanied with gusty winds (speed reaching 45-55 kmph) likely at isolated places over Andaman & Nicobar Islands and with lightning at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Rajasthan, Marathwada, Coastal Andhra Pradesh & Yanam, Rayalaseema, 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 Goa, south Maharashtra coasts, Andaman Sea, 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 58 Deg E, central parts of south Bay of Bengal and 40-50 kmph gusting to 60 kmph likely over south Arabian Sea and central Arabian Sea west of 71 Deg E, Comorin area, Gulf of Mannar, south Bay of Bengal. Fishermen are advised not to venture into these seas.

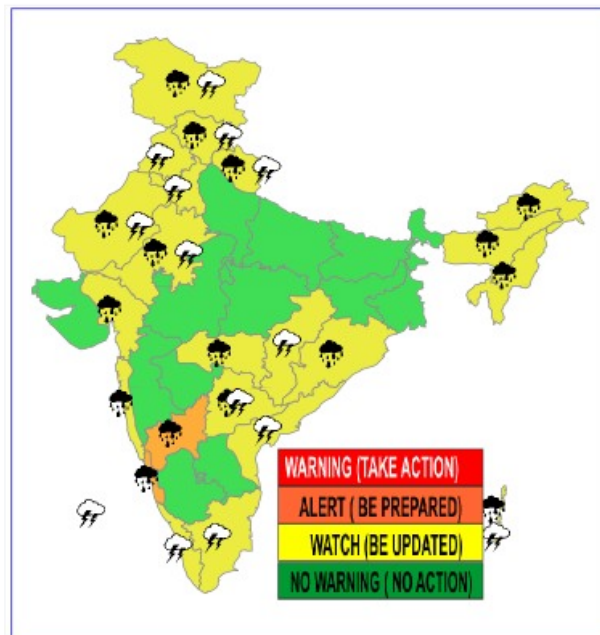
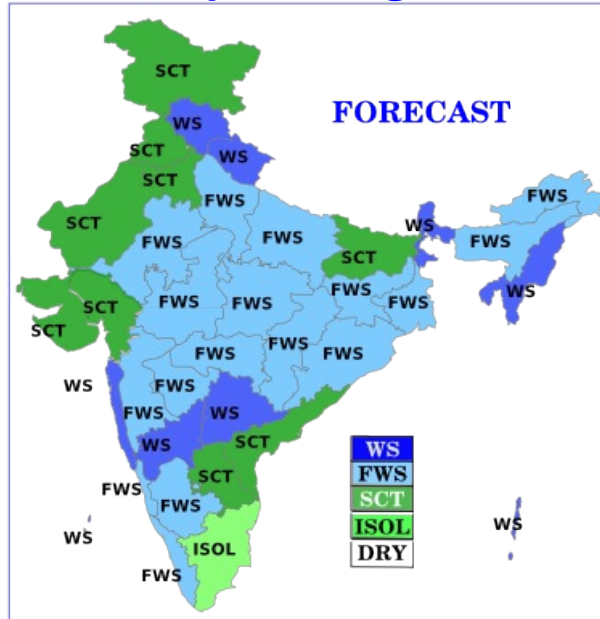
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(Circle as the National flag 1971)

Saturday 06 August 2022



06 Aug (Day 5): ♦ **Heavy to very heavy rainfall** likely at isolated places over Coastal & North Interior Karnataka and **heavy rainfall** at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Rajasthan, Gujarat Region, Madhya Pradesh, Chhattisgarh, Odisha, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Vidarbha and Telangana.

♦ **Thunderstorm accompanied with gusty winds (speed reaching 40-50 kmph)** likely at isolated places over Andaman & Nicobar Islands and **with lightning** at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Telangana, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puduchery & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over along and off Goa, south Maharashtra coasts, Andaman Sea, 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 58 Deg E, central parts of south Bay of Bengal and 40-50 kmph gusting to 60 kmph likely over south Arabian Sea and central Arabian Sea west of 71 Deg E, Comorin area, Gulf of Mannar, south Bay of Bengal. Fishermen are advised not to venture into these seas.

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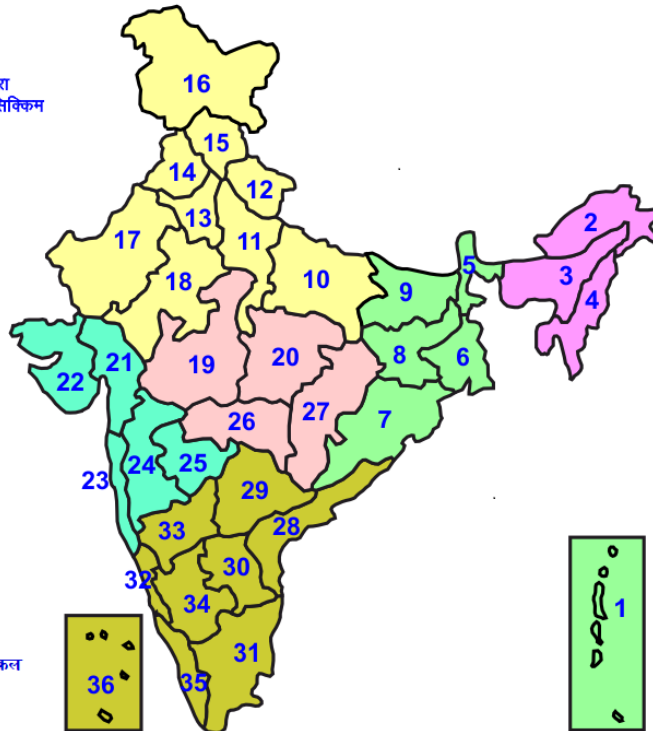
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(Created by the Meteo app 1.0.7)

LEGENDS

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



1. Andaman & Nicobar Islands
2. Arunachal Pradesh
3. Assam & Meghalaya
4. Nagaland, Manipur, Mizoram & Tripura
5. Sub-Himalayan West Bengal & Sikkim
6. Gangetic West Bengal
7. Orissa
8. Jharkhand
9. Bihar
10. East Uttar Pradesh
11. West Uttar Pradesh
12. Uttarakhand
13. Haryana, Chd & Delhi
14. Punjab
15. Himachal Pradesh
16. Jammu & Kashmir and Ladakh
17. West Rajasthan
18. East Rajasthan
19. West Madhya Pradesh
20. East Madhya Pradesh
21. Gujarat
22. Saurashtra
23. Konkan & Goa
24. Madhya Maharashtra
25. Marathawada
26. Vidharbha
27. Chhattisgarh
28. Coastal Andhra Pradesh & Yanam
29. Telangana
30. Rayalaseema
31. Tamilnadu, Puducherry & Karaikal
32. Coastal Karnataka
33. North Interior Karnataka
34. South Interior Karnataka
35. Kerala & Mahe
36. Lakshadweep

SPATIAL DISTRIBUTION (% of Stations reporting)

% Stations	Category	% Stations	Category
76-100	Widespread (WS/Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)

WARNING

WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)

Probabilistic Forecast

Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75



Heavy Rain



Heavy Snow



Thunderstorm



Dust Storm



Strong Winds



Visibility



Cyclone



Squall/ Hail



Frost



Cold Wave



Heat Wave



Sea State

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(Copies to the Media upto 1070)

LEGENDS

WARNING

WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)

Probabilistic Forecast

Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75



Rain/ Snow *

Heavy: 64.5 to 115.5 mm/cm*
Very Heavy: 115.6 to 204.4 mm/cm*
Extremely Heavy: > 204.4 mm/cm*



Heat Wave

When maximum temperature of a station reaches $\geq 40^{\circ}\text{C}$ for plains and $\geq 30^{\circ}\text{C}$ for hilly regions

(a) Based on Departure from normal

Heat Wave: Maximum Temperature Departure from normal 4.5°C to 6.4°C .

Severe Heat Wave: Maximum Temperature Departure from normal $\geq 6.5^{\circ}\text{C}$

(b). Based on Actual maximum temperature

Heat Wave: When actual maximum temperature $\geq 45^{\circ}\text{C}$.

Severe Heat Wave: When actual maximum temperature $\geq 47^{\circ}\text{C}$

(c) Criteria for heat wave for coastal stations

When maximum temperature departure is $> 4.5^{\circ}\text{C}$ from normal. Heat Wave may be described provided maximum temperature $\geq 37^{\circ}\text{C}$



Warm Night

When maximum temperature remains 40°C

Warm Night: When minimum temperature departure 4.5°C to 6.4°C .

Severe Warm Night: When minimum temperature departure $> 6.4^{\circ}\text{C}$.



Cold Wave

When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions.

(a). Based on departure

Cold Wave: Minimum Temperature Departure from normal -4.5°C to -6.4°C .

Severe Cold Wave: Minimum Temperature Departure from normal $\geq -6.5^{\circ}\text{C}$

(b) Based on actual Minimum Temperature (for Plains only)

Cold Wave : When Minimum Temperature is $\leq 4.0^{\circ}\text{C}$

Severe Cold Wave: When Minimum Temperature is $\leq 2.0^{\circ}\text{C}$

(c) For Coastal Stations

When Minimum Temperature departure is $\leq -4.5^{\circ}\text{C}$ or actual Minimum Temperature is $\leq 15^{\circ}\text{C}$



Cold Day

When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions

Based on departure

Cold Day: Maximum Temperature Departure from normal -4.5°C to -6.4°C .

Severe Cold Day: Maximum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$



Fog

Phenomenon of small droplets suspended in air and the horizontal visibility $< 1\text{km}$

Moderate Fog: When the visibility between 500-200 metres

Dense Fog: when the visibility between 50- 200 metres

Very Dense Fog: when the visibility < 50 metres



Thunderstorm

Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)



Dust/Sand Storm

An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.



Frost

Ice deposits on ground

Air temperature $\leq 4^{\circ}\text{C}$ (over Plains)



Squall

A strong wind that rises suddenly, lasts for atleast 1 minute.

Moderate: Wind speed 52-61 kmph

Severe: Wind speed 62-87 kmph

Very Severe: Wind speed > 87 kmph



Sea State

Effect of various waves in the sea over specific area

Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre

High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre

Phenomenal: Wind speed > 117 kmph (> 63 knots) & Wave height > 14 metre



Cyclone

Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots)

Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots)

Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots)

Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)

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

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