



Friday 05 August 2022

MORNING

Time of Issue: 0745 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 4-5 days.
- ◆ The monsoon trough lies south of its normal position. It will continue to remain so during next 4-5 days.
- ◆ A Low Pressure Area is likely to form over Northwest & adjoining Westcentral Bay of Bengal around 07th August, 2022.
- ◆ Under the influence of the above systems:
 - i) Fairly widespread/widespread rainfall with **isolated heavy falls and thunderstorm/lightning** very likely over Rayalaseema on 05th; Coastal Andhra Pradesh & Yanam during 06th - 08th; Tamil Nadu, Puducherry & Karaikal during 05th-06th and over Telangana, Karnataka, and Kerala & Mahe during 05th -09th August, 2022.
 - a) Isolated **very heavy rainfall** likely over Coastal & South Interior Karnataka during 05th-06th; North Interior Karnataka, Kerala & Mahe and ghat areas of Tamil Nadu on 05th; Telangana during 05th & 06th-09th and Coastal Andhra Pradesh on 08th August, 2022.
 - b) Isolated **extremely heavy rainfall** also likely over Coastal & South Interior Karnataka on 05th August, 2022.
 - ii) Fairly widespread/widespread rainfall with **isolated heavy falls and thunderstorm/lightning** very likely over Chhattisgarh & Madhya Pradesh during 05th-09th; Vidarbha and Saurashtra & Kutch during 06th - 09th; Madhya Maharashtra, Marathwada, Gujarat Region and Konkan & Goa during 05th-09th August, 2022.
 - a) Isolated/scattered **very heavy rainfall** also likely over Chhattisgarh during 05th-09th; over southwest Madhya Pradesh and Gujarat State on 08th & 09th; Vidarbha on 08th and over Madhya Maharashtra & Konkan & Goa during 05th-09th August, 2022.
 - iii) Fairly widespread rainfall with **isolated heavy falls and thunderstorm/lightning** very likely over Sub-Himalayan West Bengal & Sikkim on 05th; over Jharkhand 06th & 07th and Odisha during 05th-09th; Nagaland, Manipur, Mizoram & Tripura during 05th -08th; over Andaman & Nicobar Islands during 05th-06th and over Assam & Meghalaya on 05th & 09th August, 2022. Isolated **very heavy rainfall** also likely over Odisha on 07th & 08th August, 2022.
 - iv) Fairly widespread/widespread rainfall with **isolated heavy falls and thunderstorm/lightning** very likely over Himachal Pradesh and Uttarakhand during 05th-07th; West Uttar Pradesh during 05th-06th; West Rajasthan on 05th and over East Rajasthan during next 5 days.
 - a) Isolated **very heavy rainfall** also likely over East Rajasthan during 07th-09th 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 Andaman & Nicobar Islands, Kerala & Mahe and Lakshadweep; at **many places** over Rajasthan, Gujarat Region, Coastal & South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal; at **a few places** over Odisha, Himachal Pradesh, Madhya Pradesh, Madhya Maharashtra and Rayalaseema; at **isolated places** over Jammu & Kashmir, Uttarakhand, Uttar Pradesh, Assam & Meghalaya Nagaland, Manipur, Mizoram & Tripura, Bihar, Jharkhand, Saurashtra & Kutch and North Interior Karnataka.

◆ **Chief amount of Rainfall observed (from 0830 hours IST to 1730 hours IST of yesterday)(3 cm or more):** Shillong -8; Gulbarga -7; Gwalior, Gandhinagar, Mandya and Maya Bandar - 5 each; Deesa, Mysore, Valprai and Narsapur -4 each; Katra, Palam(Delhi), Nasic City, Mangalore, Cannur and Agathi - 3 each.

◆ **Heavy rainfall observed (from 0830 hours IST to 1730 hours IST of yesterday):** at **isolated places** over Assam & Meghalaya and North Interior Karnataka.

◆ **Thunderstorm observed (from 0830 hours IST of yesterday to 0530 hours IST of today):** at isolated places over Jammu & Kashmir, Uttar Pradesh, Madhya Pradesh, West Bengal & Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Rajasthan, Gujarat State, Odisha, Vidarbha, Madhya Maharashtra, Telangana, Rayalaseema, Coastal Andhra Pradesh & Yanam and North Interior Karnataka.

◆ **Minimum Temperature Departures (as on 04-08-2022):** **Minimum temperatures** were **appreciably above normal (3.1°C to 5.0°C)** at isolated places over East Madhya Pradesh, Vidarbha, Bihar and Sub-Himalayan West Bengal & Sikkim; **above normal (1.6°C to 3.0°C)** at a few places over Himachal Pradesh, West Rajasthan, Coastal Andhra Pradesh & Yanam and Odisha and at isolated places over Haryana, Chandigarh & Delhi, West Madhya Pradesh, Gujarat State and Telangana. They were **below normal (-1.6°C to -3.0°C)** at a few places over Coastal Karnataka, Tamil Nadu, Puducherry & Karaikal and Lakshadweep and at isolated places over Andaman & Nicobar Island. **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 04-08-2022):** Maximum temperatures were **appreciably above normal (3.1°C to 5.0°C)** at many places over West Madhya Pradesh, Madhya Maharashtra and Vidarbha; at a few places over Saurashtra & Kutch and at isolated places over Odisha and East Madhya Pradesh; **above normal (1.6°C to -3.0°C)** at many places over Assam & Meghalaya, Gujarat Region and Telangana; at a few places over Arunachal Pradesh, Gangetic West Bengal, Konkan & Goa and Marathwada and at isolated places over Himachal Pradesh, West Rajasthan and Coastal Andhra Pradesh & Yanam. They were **appreciably below normal (-3.1°C to -5.0°C)** at many places over Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal and isolated places over Andaman & Nicobar Islands; **below normal (-1.6°C to -3.0°C)** at many places over Uttarakhand and Rayalaseema; at a few places over East Rajasthan and Lakshadweep and at isolated places over West Uttar Pradesh and near normal over rest parts of the country. **Today, the highest maximum temperature of 38.8°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 Jaisalmer, Udaipur, Bhopal, Mandla, Raipur, Subarnapur, Bhubaneswar and thence southeastwards to eastcentral Bay of Bengal.
- ◆ The shear zone roughly along 11°N over South Peninsular India between 5.8 km & 7.6 km above mean sea level tilting southwards with height persists.
- ◆ The cyclonic circulation over Westcentral Bay of Bengal & adjoining Andhra Pradesh coast extending upto 4.5 km above mean sea level persists.
- ◆ The **Western Disturbance** as a cyclonic circulation over central Pakistan & neighbourhood at 3.1 km above mean sea level with trough aloft with its axis at 5.8 km above mean sea level in middle tropospheric westerlies roughly along Long.68°E to the north of Lat.30°N persists.
- ◆ The cyclonic circulation over northeast Rajasthan & neighbourhood between 1.5 km & 3.1 km above mean sea level persists.
- ◆ A **Low Pressure Area** is likely to form over Northwest & adjoining Westcentral Bay of Bengal around 07th August, 2022.

Weather Forecast for next 5 days * upto 0830 hours IST of 10th 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 10th August - 12th 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 *



05 Aug (Day 1): ♦ Heavy to very heavy rainfall with extremely heavy falls very likely at isolated places over Coastal & South Interior Karnataka; **heavy to very heavy rainfall** at isolated places over Chhattisgarh, Madhya Maharashtra, Konkan & Goa, Telangana, North Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe and **heavy rainfall** at isolated places over Himachal Pradesh, Uttarakhand, West Uttar Pradesh, Rajasthan, Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat Region, Marathwada, Vidarbha and Rayalaseema.

♦ **Thundersquall (speed reaching 50-60 kmph)** very likely at isolated places over Andaman & Nicobar Islands; **thunderstorm accompanied with lightning & gusty winds (speed reaching 30-40 kmph)** at isolated places over Telangana and **thunderstorm accompanied with lightning** at isolated places over Jammu & Kashmir, Uttarakhand, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Rajasthan, Madhya Pradesh, Chhattisgarh, Jharkhand, Gangetic West Bengal, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat State, Madhya Maharashtra, Marathawada, Coastal Andhra Pradesh & Yanam, Rayalaseema, Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over Southeast & adjoining Eastcentral Arabian Sea along and off Karnataka, Goa, south Maharashtra coasts; Andaman Sea & adjoining eastcentral Bay of Bengal and central parts of central Bay of Bengal. **Strong Winds** (wind speed 45-55 kmph gusting to 65 kmph) over South west and adjoining central Arabian Sea and Lakshadweep area. South Bay of Bengal along & off Tamil Nadu coast, Comorin area & Gulf of Mannar. Fishermen are advised not to venture into these seas.

06 Aug (Day 2): ♦ Heavy to very heavy rainfall very likely at a few places over Konkan & Goa; **heavy to very heavy rainfall** at isolated places over Chhattisgarh, Madhya Maharashtra, Telangana and Coastal & South Interior Karnataka and **heavy rainfall** at isolated places over Himachal Pradesh, Uttarakhand, West Uttar Pradesh, East Rajasthan, Madhya Pradesh, Vidarbha, Jharkhand, Odisha, Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram & Tripura, Gujarat State, Marathwada, Coastal Andhra Pradesh & Yanam, North Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thundersquall (speed reaching 50-60 kmph)** very likely at isolated places over Andaman & Nicobar Islands; **thunderstorm accompanied with lightning & gusty winds (speed reaching 30-40 kmph)** at isolated places over Telangana and **thunderstorm accompanied with lightning** at isolated places over Jammu & Kashmir, Uttarakhand, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Rajasthan, Madhya Pradesh, Chhattisgarh, Gujarat State, Madhya Maharashtra, Marathawada, Coastal Andhra Pradesh & Yanam, Rayalaseema, Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over Southeast & adjoining Eastcentral Arabian Sea along and off north Karnataka, Goa, Maharashtra coasts; north Andaman Sea & adjoining westcentral Bay of Bengal along & off north Coastal Andhra Pradesh and central parts of central Bay of Bengal. **Strong Winds** (wind speed 45-55 kmph gusting to 65 kmph) over South west and adjoining central Arabian Sea and Lakshadweep area. South Bay of Bengal along & off Tamil Nadu coast, Comorin area & Gulf of Mannar. Fishermen are advised not to venture into these seas.

07 Aug (Day 3): ♦ Heavy to very heavy rainfall likely at a few places over Konkan & Goa and Chhattisgarh; **heavy to very heavy rainfall** at isolated places over East Rajasthan, Odisha, Madhya Maharashtra and Telangana and **heavy rainfall** at isolated places over Himachal Pradesh, Uttarakhand, Madhya Pradesh, Vidarbha, Jharkhand, Nagaland, Manipur, Mizoram & Tripura, Gujarat State, Marathwada, 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 lightning & gusty winds (speed reaching 30-40 kmph)** at isolated places over Telangana and **thunderstorm accompanied with lightning** at isolated places over Jammu & Kashmir, Uttarakhand, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Rajasthan, Rayalaseema, South Interior Karnataka and Kerala & Mahe.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over Southeast & adjoining Eastcentral Arabian Sea along and off north Karnataka, Goa, Maharashtra-south Gujarat coasts; Andaman Sea; south Bay of Bengal & westcentral Bay of Bengal along & off north Coastal Andhra Pradesh and central parts of central Bay of Bengal. **Strong Winds** (wind speed 45-55 kmph gusting to 65 kmph) over South west and adjoining central Arabian Sea and Lakshadweep area. South Bay of Bengal along & off Tamil Nadu coast, Comorin area & Gulf of Mannar. Fishermen are advised not to venture into these seas.

08 Aug (Day 4): ♦ Heavy to very heavy rainfall likely at a few places over Konkan & Goa and Chhattisgarh; **heavy to very heavy rainfall** at isolated places over East Rajasthan, southwest Madhya Pradesh, East Madhya Pradesh, Vidarbha, Odisha, Gujarat State, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam and Telangana and **heavy rainfall** at isolated places over Nagaland, Manipur, Mizoram & Tripura, Marathwada, Karnataka and Kerala & Mahe.

♦ **Thundersquall (speed reaching 50-60 kmph)** likely at isolated places over Andaman & Nicobar Islands; **thunderstorm accompanied with lightning & gusty winds (speed reaching 30-40 kmph)** at isolated places over Telangana and **thunderstorm accompanied with lightning** at isolated places over Himachal Pradesh, Uttarakhand, Rajasthan, Rayalaseema and Kerala & Mahe.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over Southeast & adjoining Eastcentral Arabian Sea along and off north Karnataka, Goa, Maharashtra-south Gujarat coasts; Andaman Sea; south Bay of Bengal & westcentral Bay of Bengal along & off north Coastal Andhra Pradesh and central parts of central Bay of Bengal. **Strong Winds** (wind speed 45-55 kmph gusting to 65 kmph) over South west and adjoining central Arabian Sea. South Bay of Bengal along & off Tamil Nadu coast, Comorin area & Gulf of Mannar. Fishermen are advised not to venture into these seas.

09 Aug (Day 5): ♦ Heavy to very heavy rainfall likely at isolated places over Konkan & Goa, East Rajasthan, southwest Madhya Pradesh, Gujarat State, ghat areas of Madhya Maharashtra and Coastal Karnataka and **heavy rainfall** at isolated places over Assam & Meghalaya, East Madhya Pradesh, Vidarbha, Chhattisgarh, Odisha, Telangana, Interior Karnataka, Marathwada and Kerala & Mahe.

♦ **Thundersquall (speed reaching 50-60 kmph)** likely at isolated places over Andaman & Nicobar Islands; **thunderstorm accompanied with lightning & gusty winds (speed reaching 30-40 kmph)** at isolated places over Telangana and **thunderstorm accompanied with lightning** at isolated places over Rajasthan, Rayalaseema and Kerala & Mahe.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over Southeast & adjoining Eastcentral Arabian Sea along and off north Karnataka, Goa, Maharashtra-south Gujarat coasts; Andaman Sea; south Bay of Bengal & westcentral Bay of Bengal along & off north Coastal Andhra Pradesh and central parts of central Bay of Bengal. **Strong Winds** (wind speed 45-55 kmph gusting to 65 kmph) over South west and adjoining central Arabian Sea. South Bay of Bengal along & off Tamil Nadu coast, Comorin area & Gulf of Mannar. 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)
05-August-2022

Met-Sub-Division	05-Aug Today	06Aug Sat	07Aug Sun	08Aug Mon	09Aug Tue
1. Andaman & Nicobar Islands	WS	WS	WS	WS	WS
2. Arunachal Pradesh	FWS	FWS	SCT	SCT	SCT
3. Assam & Meghalaya	FWS	FWS	SCT	SCT	SCT
4. N. M. M. & T.	FWS	FWS	FWS	SCT	SCT
5. S.H. West Bengal & Sikkim	WS	FWS	FWS	FWS	FWS
6. Gangetic West Bengal	SCT	FWS	FWS	FWS	FWS
7. Odisha	FWS	WS	WS	WS	WS
8. Jharkhand	SCT	FWS	FWS	FWS	FWS
9. Bihar	SCT	SCT	SCT	SCT	SCT
10. East Uttar Pradesh	SCT	SCT	SCT	ISOL	ISOL
11. West Uttar Pradesh	FWS	FWS	SCT	ISOL	ISOL
12. Uttarakhand	WS	WS	WS	SCT	SCT
13. Haryana, Chd & Delhi	WS	FWS	FWS	ISOL	ISOL
14. Punjab	FWS	SCT	SCT	ISOL	ISOL
15. Himachal Pradesh	WS	WS	WS	FWS	SCT
16. J & K and Ladakh	SCT	SCT	SCT	SCT	SCT
17. West Rajsthan	SCT	SCT	SCT	SCT	FWS
18. East Rajasthan	FWS	FWS	WS	WS	WS
19. West Madhya Pradesh	FWS	FWS	WS	WS	WS
20. East Madhya Pradesh	FWS	WS	WS	WS	WS
21. Gujarat Region	FWS	FWS	FWS	WS	WS
22. Saurashtra & Kutch	SCT	SCT	SCT	FWS	WS
23. Konkan & Goa	WS	WS	WS	WS	WS
24. Madhya Maharashtra	WS	WS	WS	WS	WS
25. Marathwada	WS	WS	WS	WS	WS
26. Vidharbha	FWS	FWS	WS	WS	WS
27. Chhattisgarh	WS	WS	WS	WS	WS
28. Coastal A. P. & Yanam	SCT	FWS	FWS	FWS	SCT
29. Telangana	WS	WS	WS	WS	WS
30. Rayalaseema	SCT	SCT	SCT	SCT	SCT
31. T.N.,Puducherry & Karaikal	SCT	SCT	ISOL	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	FWS	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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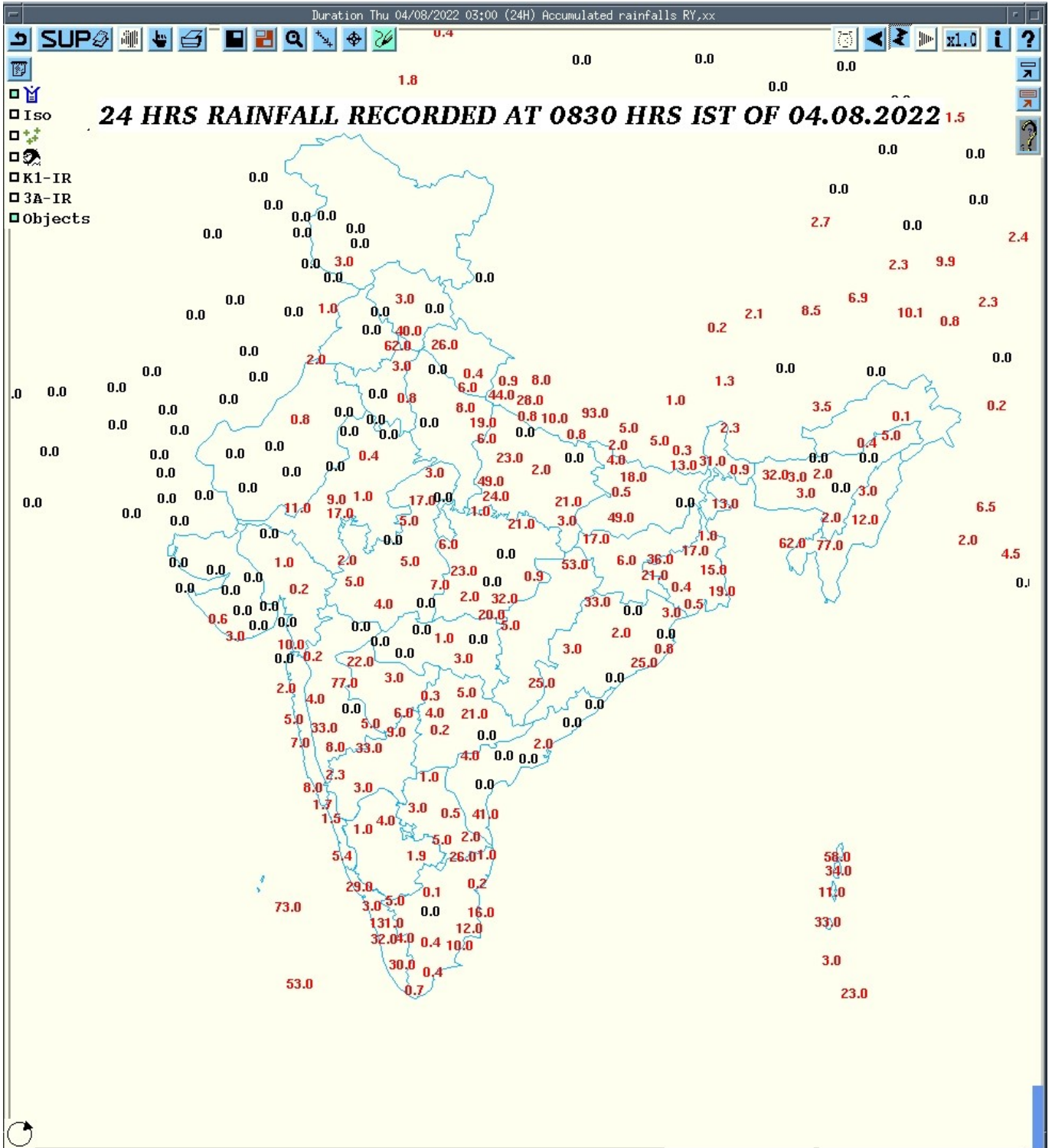
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Fig. 1: Accumulated Rainfall (mm) during past 24 hours



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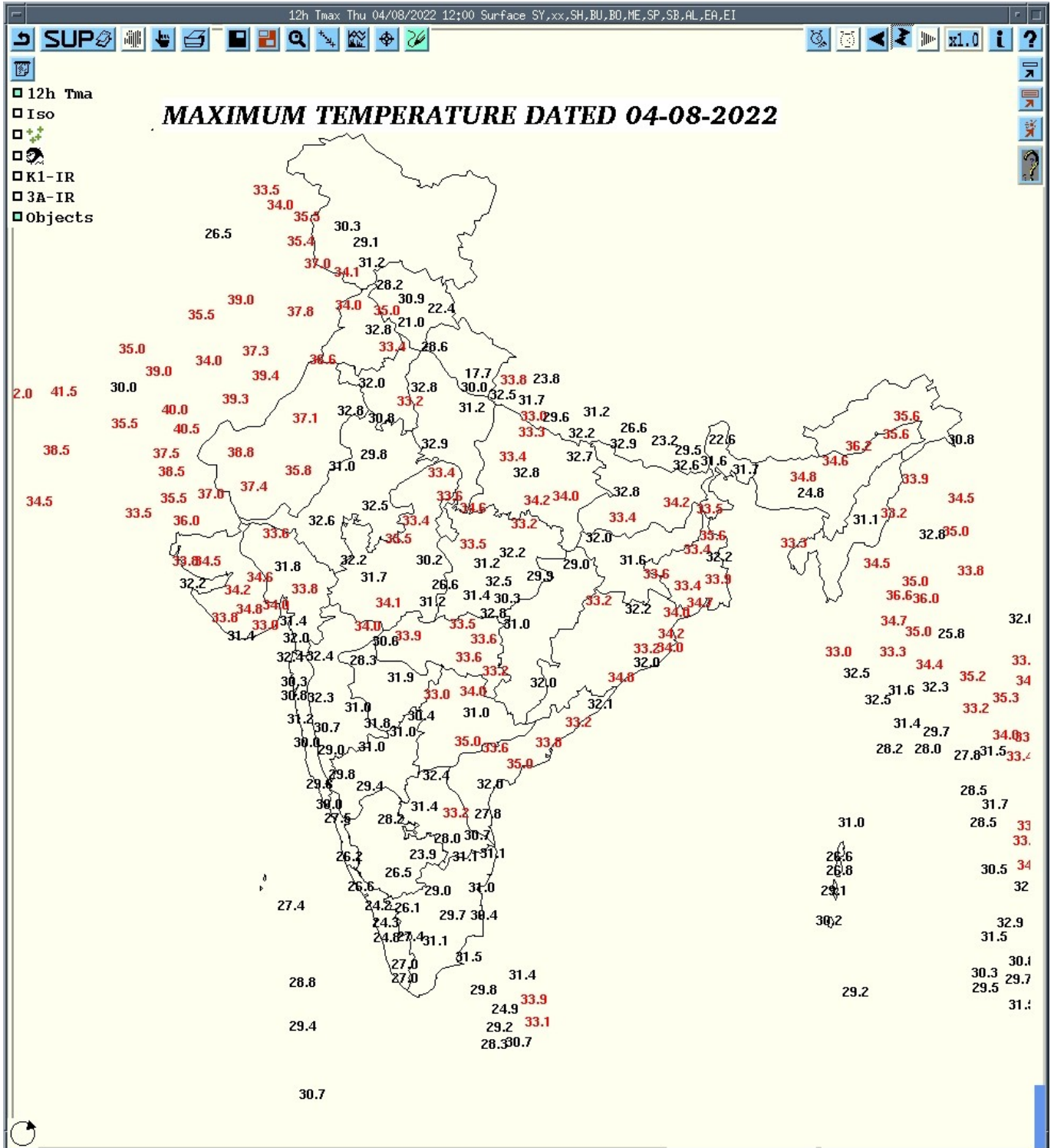
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(Created by the MetInfo@1975)



Fig. 2: Maximum Temperature during past 24 hours



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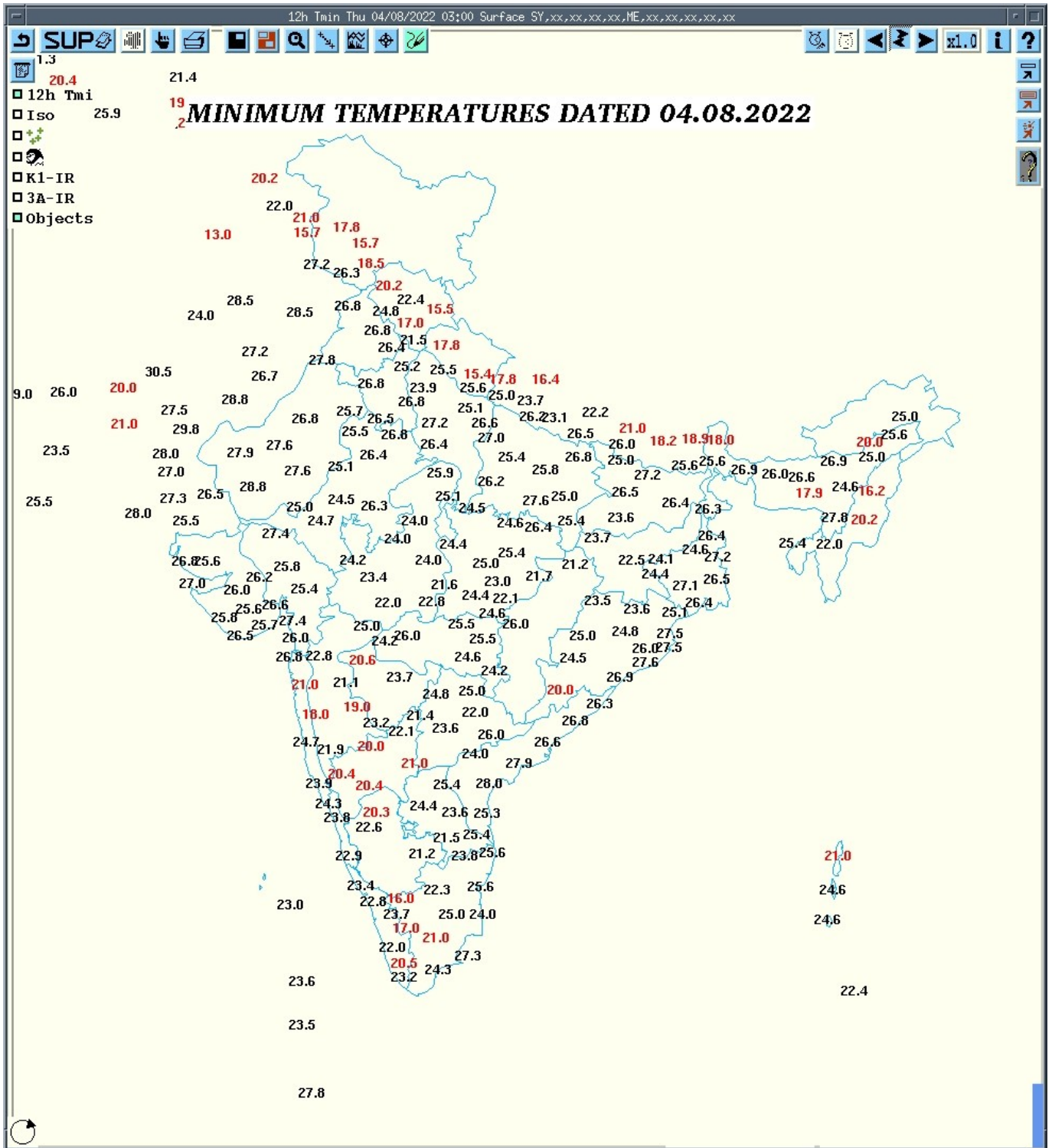
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(Created by the MetInfo app 10/7/2022)



Fig. 3: Minimum Temperature during past 24 hours



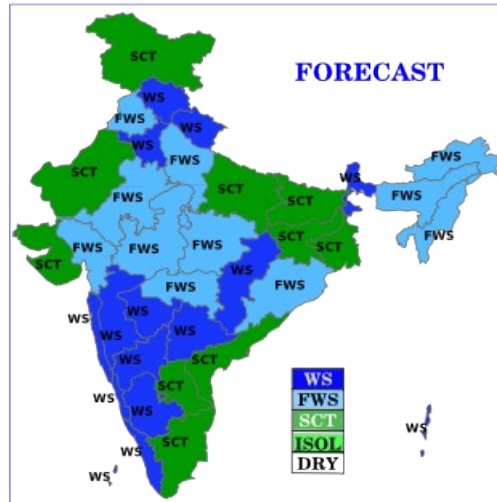
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Friday 05 August 2022



05 Aug (Day 1): ♦ **Heavy to very heavy rainfall with extremely heavy falls** very likely at isolated places over Coastal & South Interior Karnataka; **heavy to very heavy rainfall** at isolated places over Chhattisgarh, Madhya Maharashtra, Konkan & Goa, Telangana, North Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe and **heavy rainfall** at isolated places over Himachal Pradesh, Uttarakhand, West Uttar Pradesh, Rajasthan, Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat Region, Marathwada, Vidarbha and Rayalaseema.

♦ **Thundersquall (speed reaching 50-60 kmph)** very likely at isolated places over Andaman & Nicobar Islands; **thunderstorm accompanied with lightning & gusty winds (speed reaching 30-40 kmph)** at isolated places over Telangana and **thunderstorm accompanied with lightning** at isolated places over Jammu & Kashmir, Uttarakhand, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Rajasthan, Madhya Pradesh, Chhattisgarh, Jharkhand, Gangetic West Bengal, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat State, Madhya Maharashtra, Marathawada, Coastal Andhra Pradesh & Yanam, Rayalaseema, Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over Southeast & adjoining Eastcentral Arabian Sea along and off Karnataka, Goa, south Maharashtra coasts; Andaman Sea & adjoining eastcentral Bay of Bengal and central parts of central Bay of Bengal. **Strong Winds** (wind speed 45-55 kmph gusting to 65 kmph) over South west and adjoining central Arabian Sea and Lakshadweep area. South Bay of Bengal along & off Tamil Nadu coast, Comorin area & Gulf of Mannar. Fishermen are advised not to venture into these seas.

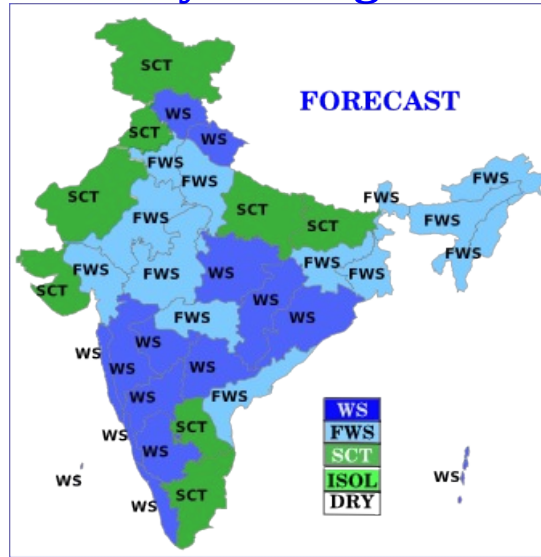
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(Copies to the Meteorologist (GPO))

Saturday 06 August 2022



06 Aug (Day 2): ♦ **Heavy to very heavy rainfall** very likely at a few places over Konkan & Goa; **heavy to very heavy rainfall** at isolated places over Chhattisgarh, Madhya Maharashtra, Telangana and Coastal & South Interior Karnataka and **heavy rainfall** at isolated places over Himachal Pradesh, Uttarakhand, West Uttar Pradesh, East Rajasthan, Madhya Pradesh, Vidarbha, Jharkhand, Odisha, Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram & Tripura, Gujarat State, Marathwada, Coastal Andhra Pradesh & Yanam, North Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Thundersquall (speed reaching 50-60 kmph)** very likely at isolated places over Andaman & Nicobar Islands; **thunderstorm accompanied with lightning & gusty winds (speed reaching 30-40 kmph)** at isolated places over Telangana and **thunderstorm accompanied with lightning** at isolated places over Jammu & Kashmir, Uttarakhand, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Rajasthan, Madhya Pradesh, Chhattisgarh, Gujarat State, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Rayalaseema, Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over Southeast & adjoining Eastcentral Arabian Sea along and off north Karnataka, Goa, Maharashtra coasts; north Andaman Sea & adjoining westcentral Bay of Bengal along & off north Coastal Andhra Pradesh and central parts of central Bay of Bengal. **Strong Winds** (wind speed 45-55 kmph gusting to 65 kmph) over South west and adjoining central Arabian Sea and Lakshadweep area. South Bay of Bengal along & off Tamil Nadu coast, Comorin area & Gulf of Mannar. Fishermen are advised not to venture into these seas.

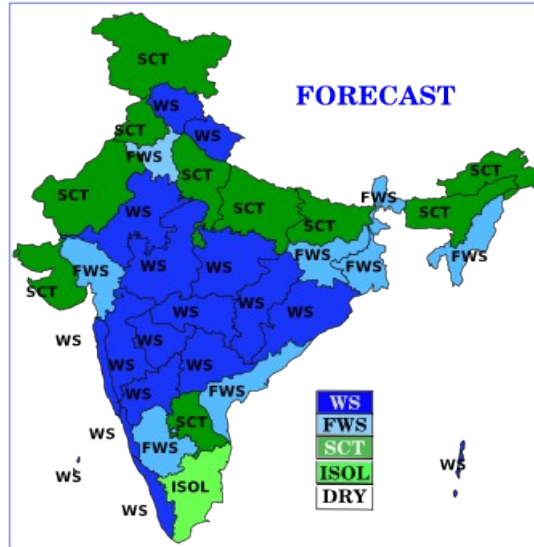
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Sunday 07 August 2022



07 Aug (Day 3): ♦ Heavy to very heavy rainfall likely at a few places over Konkan & Goa and Chhattisgarh; **heavy to very heavy rainfall** at isolated places over East Rajasthan, Odisha, Madhya Maharashtra and Telangana and **heavy rainfall** at isolated places over Himachal Pradesh, Uttarakhand, Madhya Pradesh, Vidarbha, Jharkhand, Nagaland, Manipur, Mizoram & Tripura, Gujarat State, Marathwada, 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 lightning & gusty winds (speed reaching 30-40 kmph)** at isolated places over Telangana and **thunderstorm accompanied with lightning** at isolated places over Jammu & Kashmir, Uttarakhand, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Rajasthan, Rayalaseema, South Interior Karnataka and Kerala & Mahe.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over Southeast & adjoining Eastcentral Arabian Sea along and off north Karnataka, Goa, Maharashtra-south Gujarat coasts; Andaman Sea; south Bay of Bengal & westcentral Bay of Bengal along & off north Coastal Andhra Pradesh and central parts of central Bay of Bengal. **Strong Winds** (wind speed 45-55 kmph gusting to 65 kmph) over South west and adjoining central Arabian Sea and Lakshadweep area. South Bay of Bengal along & off Tamil Nadu coast, Comorin area & Gulf of Mannar. Fishermen are advised not to venture into these seas.

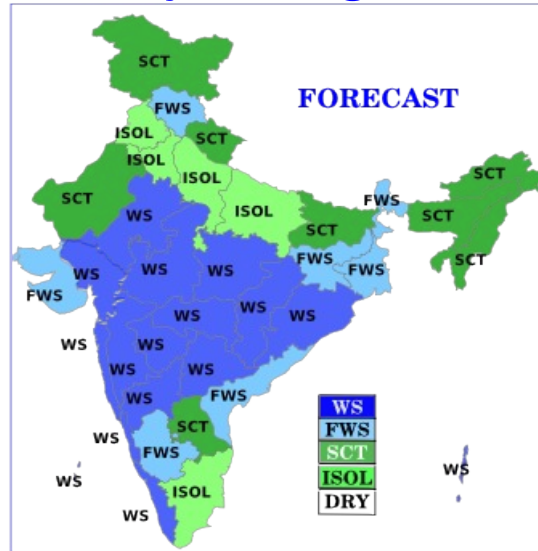
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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(Copies to the Meteorologist (G))

Monday 08 August 2022



08 Aug (Day 4): ♦ **Heavy to very heavy rainfall** likely at a few places over Konkan & Goa and Chhattisgarh; **heavy to very heavy rainfall** at isolated places over East Rajasthan, southwest Madhya Pradesh, East Madhya Pradesh, Vidarbha, Odisha, Gujarat State, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam and Telangana and **heavy rainfall** at isolated places over Nagaland, Manipur, Mizoram & Tripura, Marathwada, Karnataka and Kerala & Mahe.

♦ **Thundersquall** (speed reaching 50-60 kmph) likely at isolated places over Andaman & Nicobar Islands; **thunderstorm accompanied with lightning & gusty winds** (speed reaching 30-40 kmph) at isolated places over Telangana and **thunderstorm accompanied with lightning** at isolated places over Himachal Pradesh, Uttarakhand, Rajasthan, Rayalaseema and Kerala & Mahe.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over Southeast & adjoining Eastcentral Arabian Sea along and off north Karnataka, Goa, Maharashtra-south Gujarat coasts; Andaman Sea; south Bay of Bengal & westcentral Bay of Bengal along & off north Coastal Andhra Pradesh and central parts of central Bay of Bengal.. **Strong Winds** (wind speed 45-55 kmph gusting to 65 kmph) over South west and adjoining central Arabian Sea. South Bay of Bengal along & off Tamil Nadu coast, Comorin area & Gulf of Mannar. Fishermen are advised not to venture into these seas.

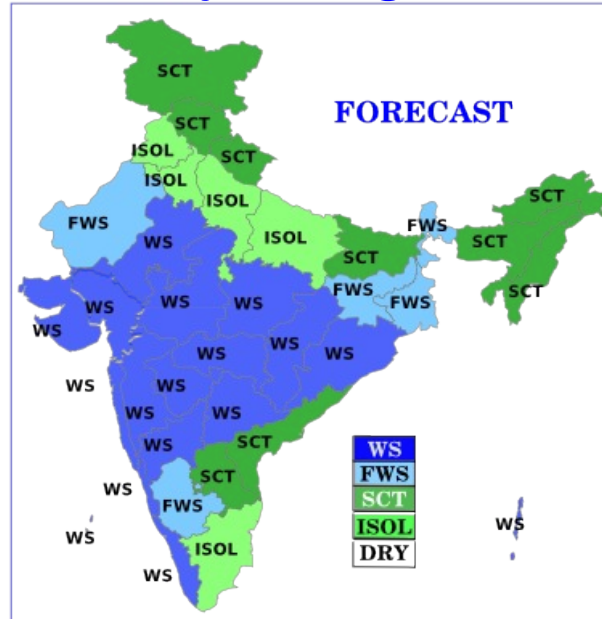
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(Created by the National Press 1977)

Tuesday 09 August 2022



09 Aug (Day 5): ♦ **Heavy to very heavy rainfall** likely at isolated places over Konkan & Goa, East Rajasthan, southwest Madhya Pradesh, Gujarat State, ghat areas of Madhya Maharashtra and Coastal Karnataka and **heavy rainfall** at isolated places over Assam & Meghalaya, East Madhya Pradesh, Vidarbha, Chhattisgarh, Odisha, Telangana, Interior Karnataka, Marathwada and Kerala & Mahe.

♦ **Thundersquall** (speed reaching 50-60 kmph) likely at isolated places over Andaman & Nicobar Islands; **thunderstorm accompanied with lightning & gusty winds** (speed reaching 30-40 kmph) at isolated places over Telangana and **thunderstorm accompanied with lightning** at isolated places over Rajasthan, Rayalaseema and Kerala & Mahe.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over Southeast & adjoining Eastcentral Arabian Sea along and off north Karnataka, Goa, Maharashtra-south Gujarat coasts; Andaman Sea; south Bay of Bengal & westcentral Bay of Bengal along & off north Coastal Andhra Pradesh and central parts of central Bay of Bengal.. **Strong Winds** (wind speed 45-55 kmph gusting to 65 kmph) over South west and adjoining central Arabian Sea. South Bay of Bengal along & off Tamil Nadu coast, Comorin area & Gulf of Mannar. Fishermen are advised not to venture into these seas.

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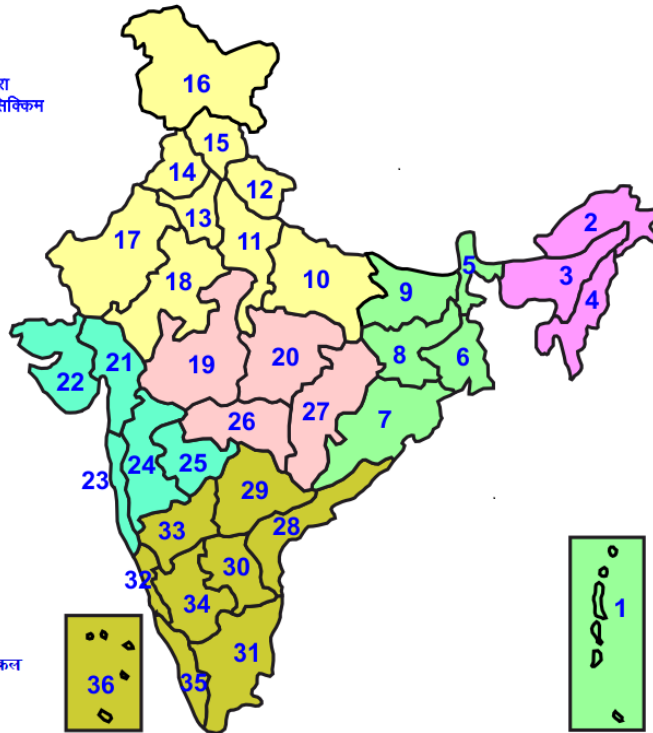
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(Copies to the Media upto 1070)

LEGENDS

- 1 अंडमान और निकोबार द्वीप समुह
- 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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