



Monday 04 July 2022

MORNING

Time of Issue: 0745 hours IST

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

- ◆ The monsoon trough is active and south of its normal position. There are strong westerly winds along the west coast in the lower tropospheric levels.
- ◆ A **Low Pressure Area** lies over north Odisha and adjoining south Jharkhand & Gangetic West Bengal with associated cyclonic circulation extending upto 5.8 km above mean sea level.
- ◆ A trough runs from southwest Rajasthan to Westcentral Arabian sea at lower tropospheric levels.
- ◆ Under the influence of above systems;
 - o Widespread rainfall with **thunderstorm/lightning** very likely over Konkan & Goa, Coastal Karnataka and Kerala & Mahe and scattered to fairly widespread rainfall activity over Gujarat State, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Telangana and Interior Karnataka during next 5 days.
 - o Isolated **heavy rainfall** very likely over Gujarat State, Konkan & Goa, Coastal & South Interior Karnataka, Coastal Andhra Pradesh & Yanam, Telangana, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe during next 5 days; over Madhya Maharashtra during 04th-08th; North Interior Karnataka during 05th-08th July, 2022.
 - o Isolated **heavy to very heavy rainfall** also very likely over Konkan & Goa during 04th-08th; Coastal Karnataka on 04th & 05th and over Gujarat Region, ghat areas of Madhya Maharashtra during 05th-08th; Kerala-Mahe during 004th-06th July, 2022.
 - o Widespread rainfall with isolated **heavy rainfall** with thunderstorm/lightning very likely over Central India (Madhya Pradesh, Chhattisgarh and Vidarbha) during next 5 days.
 - o Isolated **heavy to very heavy rainfall** also very likely over Chhattisgarh during 04th-06th; Vidarbha during 05th-07th; East Madhya Pradesh during 04th-08th; West Madhya Pradesh during 06-08th July, 2022.
 - o Isolated **heavy rainfall** very likely over Jharkhand and West Bengal-Sikkim on 03rd and over Odisha during next 5 days. Isolated **heavy to very heavy rainfall** also likely over Odisha on 04th, 07th & 08th July, 2022.
 - o Isolated **heavy rainfall** very likely over Jammu & Kashmir, Himachal Pradesh and west Rajasthan during 05th-08th; Uttarakhand on 04th July; East Rajasthan on 05th; Punjab, Haryana-Chandigarh & northwest Uttar Pradesh during 06th-08th July. Isolated **heavy to very heavy rainfall** also very likely over East Rajasthan on 06th-08th and Uttarakhand on 05th-08th July, 2022.

Main Weather Observations

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◆ **Rainfall/thundershower observed (from 0830 hours IST to 1730 hours IST of yesterday):** at most places over Coastal Karnataka, Kerala & Mahe and Lakshadweep; at many places over Himachal Pradesh, Rajasthan, Madhya Pradesh, Saurashtra & Kutch and Madhya Maharashtra; at a few places over Gangetic West Bengal, Jharkhand, Haryana, Chandigarh & Delhi, Gujarat Region, Vidarbha, Telangana and North Interior Karnataka ; at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Nagaland, Manipur, Mizoram & Tripura, Uttarakhand, East Uttar Pradesh, Marathwada, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal and Andaman & Nicobar Islands.

◆ **Chief amount of Rainfall observed (from 0830 to 1730 hours IST of yesterday): (2 cm or more):** Sagar -7; Khandwa & Surendernagar -6 each; Amini Divi and Minicoy - 4 each; Shimla, Nagpur and Kottayam -3 each; Nahan, Ridge(Delhi), Damoh, Mandla, Malanjkhanda, Chhindwarda, Bhopal, Bhaunagar, Agathi, Thiruvananthapuram -2 each.

◆ **Heavy rainfall (from 0830 hours IST to 1730 hours IST of yesterday):** Heavy rainfall at isolated places over East Madhya Pradesh.

◆ **Thunderstorm observed (from 0830 hours IST of yesterday to 0530 hours IST of today):** at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Uttarakhand, Rajasthan, Gujarat Region, Madhya Pradesh, Bihar, Jharkhand, Nagaland, Manipur, Mizoram & Tripura, Chhattisgarh, Vidarbha, Coastal Andhra Pradesh & Yanam and Telangana.

◆ **Minimum Temperature Departures (as on 03-07-2022):** Minimum temperatures were above normal (1.6°C to 3.0°C) at a few places over Sub-Himalayan West Bengal & Sikkim and Bihar and at isolated places over Tamil Nadu, Puducherry & Karaikal. They were below normal (-1.6°C to -3.0°C) at a few places over East Madhya Pradesh, Telangana and Coastal Andhra Pradesh & Yanam; at isolated places over West Madhya Pradesh and near normal over rest parts of the country. Yesterday, the lowest minimum temperature of 20.2°C was reported at Seoni (East Madhya Pradesh) over the plains of the country.

◆ **Maximum Temperature Departures (as on 03-07-2022):** Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over Arunachal Pradesh and at isolated places over Assam & Meghalaya; above normal (1.6°C to 3.0°C) at many places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad and Bihar; at a few places over Sub-Himalayan West Bengal & Sikkim, Konkan & Goa and Nagaland, Manipur, Mizoram & Tripura and at isolated places over East Uttar Pradesh and Saurashtra & Kutch . They were markedly below normal (-5.1°C to Less) at a few places over East Rajasthan; appreciably below normal (-3.1°C to -5.0°C) at most places over Lakshadweep; at a few places over Haryana, Chandigarh & Delhi, Vidarbha, Coastal Andhra Pradesh & Yanam and Kerala & Mahe; below normal (-1.6°C to -3.0°C) at most places over Telangana; at a few places over West Uttar Pradesh, East Madhya Pradesh and Tamilnadu, Puducherry & Karaikal and at isolated places over West Madhya Pradesh and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 39.0°C was reported at Vallabh Vidyanagar (Gujarat Region).

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Meteorological Analysis (Based on 0530 hours IST)

- ◆ Under the influence of the cyclonic circulation over south Jharkhand & neighbourhood, a **Low Pressure Area** has formed over north Odisha and adjoining south Jharkhand & Gangetic West Bengal with associated cyclonic circulation extending upto 5.8 km above mean sea level.
- ◆ The monsoon trough now passes through Anupgarh, Gwalior, Sidhi, Ambikapur, the **Low Pressure Area** over north Odisha and adjoining south Jharkhand & Gangetic West Bengal and thence southeastwards to Eastcentral Bay of Bengal and extends upto 1.5 km above mean sea level.
- ◆ The trough from southwest Rajasthan & neighbourhood to Westcentral Arabian Sea between 1.5 km & 5.8 km above mean sea level persists.

Weather Forecast for next 5 days * upto 0830 hours IST of 09th July, 2022

- ◆ Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- ◆ No significant change in maximum temperatures very likely over rest parts of the country during next 5 days.

Weather Outlook for subsequent 2 days during 09th July-11th July, 2022

- ◆ Widespread light/moderate rainfall likely to continue over many parts of West coast, Central India and Islands.
- ◆ Scattered to fairly widespread rainfall likely over many parts of peninsular India, Northwest, East & Northeast India, Sub-Himalayan West Bengal & Sikkim
- ◆ Isolated to Scattered rainfall over rest parts of the country.



Weather Warning during next 5 days *

04 July (Day 1): ♦ **Heavy to very heavy rainfall** at a few places very likely over East Madhya Pradesh and **heavy to very heavy rainfall** at isolated places over Chhattisgarh, Nagaland, Manipur, Meghalaya & Tripura, Konkan & Goa, Coastal Karnataka and Kerala & Mahe and **heavy rainfall** at isolated places over Uttarakhand, West Madhya Pradesh, Vidarbha, Assam & Meghalaya, Gujarat State, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Telangana, South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm & lightning accompanied with gusty winds speed reaching 30-40 kmph** at isolated places very likely over Andaman & Nicobar Islands and Marathwada and **thunderstorm accompanied with lightning** at isolated places over Haryana, Chandigarh & Delhi, Uttar Pradesh, Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Meghalaya & Tripura, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Strong winds** of 50-60 kmph gusting to 70 kmph very likely over Southwest Arabian Sea and Westcentral Arabian Sea and Strong winds of 40-50 kmph gusting to 60 kmph over Eastcentral Arabian Sea. **Squally winds** (wind speed 40-50 kmph gusting to 60 kmph) very likely North Arabian Sea, along and off Maharashtra-Goa-Karnataka-Kerala coasts and adjoining Southeast Arabian Sea, Gulf of Mannar, Comorin area and adjoining Southwest Bay of Bengal, Coastal Andhra Pradesh coasts and Andaman Sea. Fishermen are advised not to venture into these seas.

05 July (Day 2): ♦ **Heavy to very heavy rainfall** at a few places likely over East Madhya Pradesh, Konkan & Goa; **heavy to very heavy rainfall** at isolated places over Uttarakhand, Vidarbha, Chhattisgarh, Gujarat Region, Madhya Maharashtra, Coastal Karnataka and Kerala & Mahe and **heavy rainfall** at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Rajasthan, West Madhya Pradesh, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Meghalaya & Tripura, Saurashtra & Kutch, Coastal Andhra Pradesh & Yanam, Telangana, Interior Karnataka and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm & lightning accompanied with gusty winds speed reaching 30-40 kmph** at isolated places very likely over Andaman & Nicobar Islands and Marathwada and **thunderstorm accompanied with lightning** at isolated places over Madhya Pradesh, Vidarbha, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Strong winds** of 50-60 kmph gusting to 70 kmph very likely over Southwest Arabian Sea and Westcentral Arabian Sea and Strong winds of 40-50 kmph gusting to 60 kmph over Eastcentral Arabian Sea. **Squally winds** (wind speed 40-50 kmph gusting to 60 kmph) very likely along and off Maharashtra-Goa-Karnataka-Kerala coasts and adjoining Southeast Arabian Sea, Gulf of Mannar, Comorin area and adjoining Southwest Bay of Bengal, Coastal Andhra Pradesh coasts and Andaman Sea. Fishermen are advised not to venture into these seas.

06 July (Day 3): ♦ **Heavy to very heavy rainfall** at a few places likely over East Rajasthan, East Madhya Pradesh and Konkan & Goa; **heavy to very heavy rainfall** at isolated places over Uttarakhand, East Rajasthan, West Madhya Pradesh, Vidarbha, Gujarat Region and Madhya Maharashtra and **heavy rainfall** at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, West Rajasthan, Assam & Meghalaya, Nagaland, Manipur, Meghalaya & Tripura, Saurashtra & Kutch, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Thunderstorm accompanied & lightning** at isolated places likely over Madhya Pradesh, Vidarbha, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema and Karnataka.

♦ **Strong winds** of 50-60 kmph gusting to 70 kmph very likely over Southwest Arabian Sea and Westcentral Arabian Sea and Strong winds of 40-50 kmph gusting to 60 kmph over Eastcentral Arabian Sea. **Squally winds** (wind speed 40-50 kmph gusting to 60 kmph) very likely along and off Maharashtra-Goa-Karnataka-Kerala coasts and adjoining Southeast Arabian Sea. Fishermen are advised not to venture into these seas.

07 July (Day 4): ♦ **Heavy to very heavy rainfall** at a few places likely over East Madhya Pradesh and Konkan & Goa; **heavy to very heavy rainfall** at isolated places over Uttarakhand, East Rajasthan, West Madhya Pradesh, Vidarbha, Gujarat Region and Madhya Maharashtra and **heavy rainfall** at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, West Rajasthan, Chhattisgarh, Assam & Meghalaya, Nagaland, Manipur, Meghalaya & Tripura, Saurashtra & Kutch, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Thunderstorm accompanied & lightning** at isolated places likely over Madhya Pradesh, Vidarbha, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema and Karnataka.

♦ **Strong winds** of 50-60 kmph gusting to 70 kmph very likely over Southwest Arabian Sea and Westcentral Arabian Sea and Strong winds of 40-50 kmph gusting to 60 kmph over Eastcentral Arabian Sea. **Squally winds** (wind speed 40-50 kmph gusting to 60 kmph) very likely along and off Maharashtra-Goa-Karnataka-Kerala coasts and adjoining Southeast Arabian Sea. Fishermen are advised not to venture into these seas.

08 July (Day 5): ♦ **Heavy to very heavy rainfall** at a few places likely over East Rajasthan, West Madhya Pradesh, Gujarat Region and Konkan & Goa; **heavy to very heavy rainfall** at isolated places over Uttarakhand, East Madhya Pradesh and Madhya Maharashtra and **heavy rainfall** at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, West Rajasthan, Vidarbha, Chhattisgarh, Saurashtra & Kutch, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Karnataka and Kerala & Mahe.

♦ **Thunderstorm accompanied & lightning** at isolated places likely over Madhya Pradesh, Vidarbha, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema and Karnataka.

♦ **Strong winds** of 50-60 kmph gusting to 70 kmph very likely over Southwest Arabian Sea and Westcentral Arabian Sea and Strong winds of 40-50 kmph gusting to 60 kmph over Eastcentral Arabian Sea. **Squally winds** (wind speed 40-50 kmph gusting to 60 kmph) very likely along and off Maharashtra-Goa-Karnataka-Kerala coasts and adjoining Southeast Arabian Sea. Fishermen are advised not to venture into these seas.

Kindly download MAUSAM APP for location specific forecast & warning, MEGHDOOT APP for Agromet advisory and DAMINI APP for Lightning Warning & visit state MC/RMC websites for district wise warning.

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Table-1
5 Day Rainfall Forecast (MORNING)
04-July-2022

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

% Station Reporting Rainfall

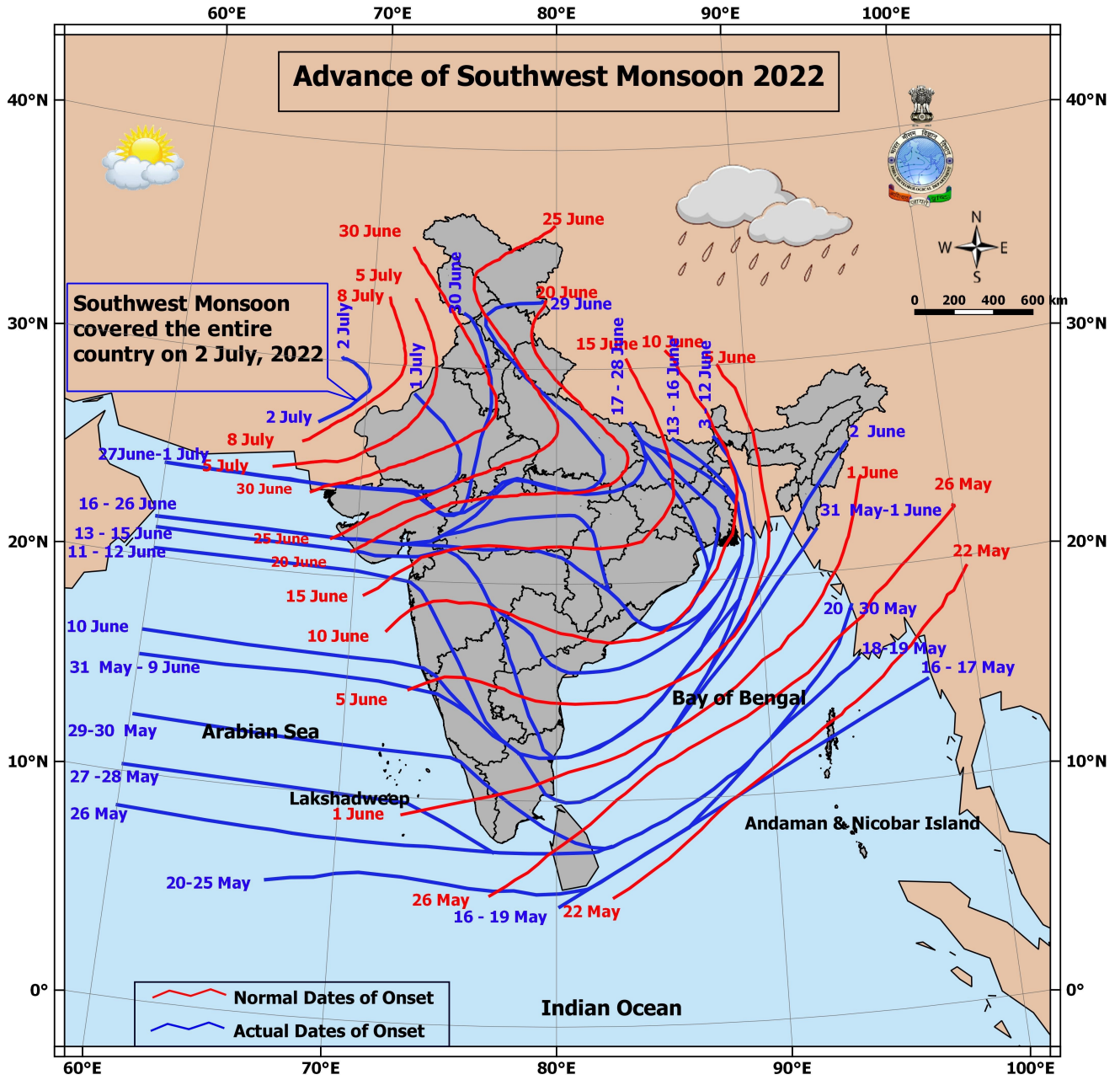
% Stations	Category	% Stations	Category
76-100	Widespread (WS/Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)
No Rain	Dry		

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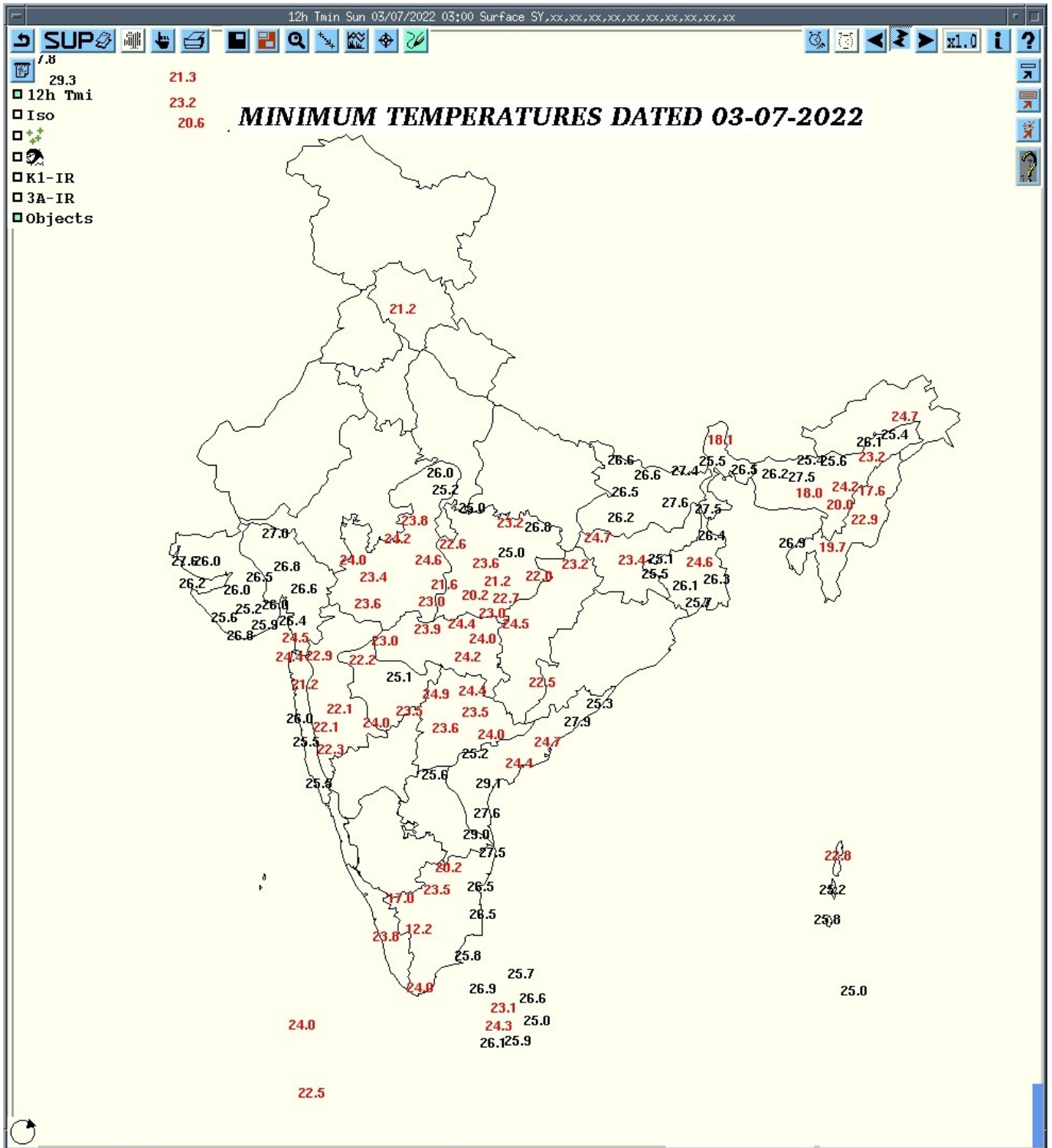
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(Created by the MetInfo Cell, IMD)



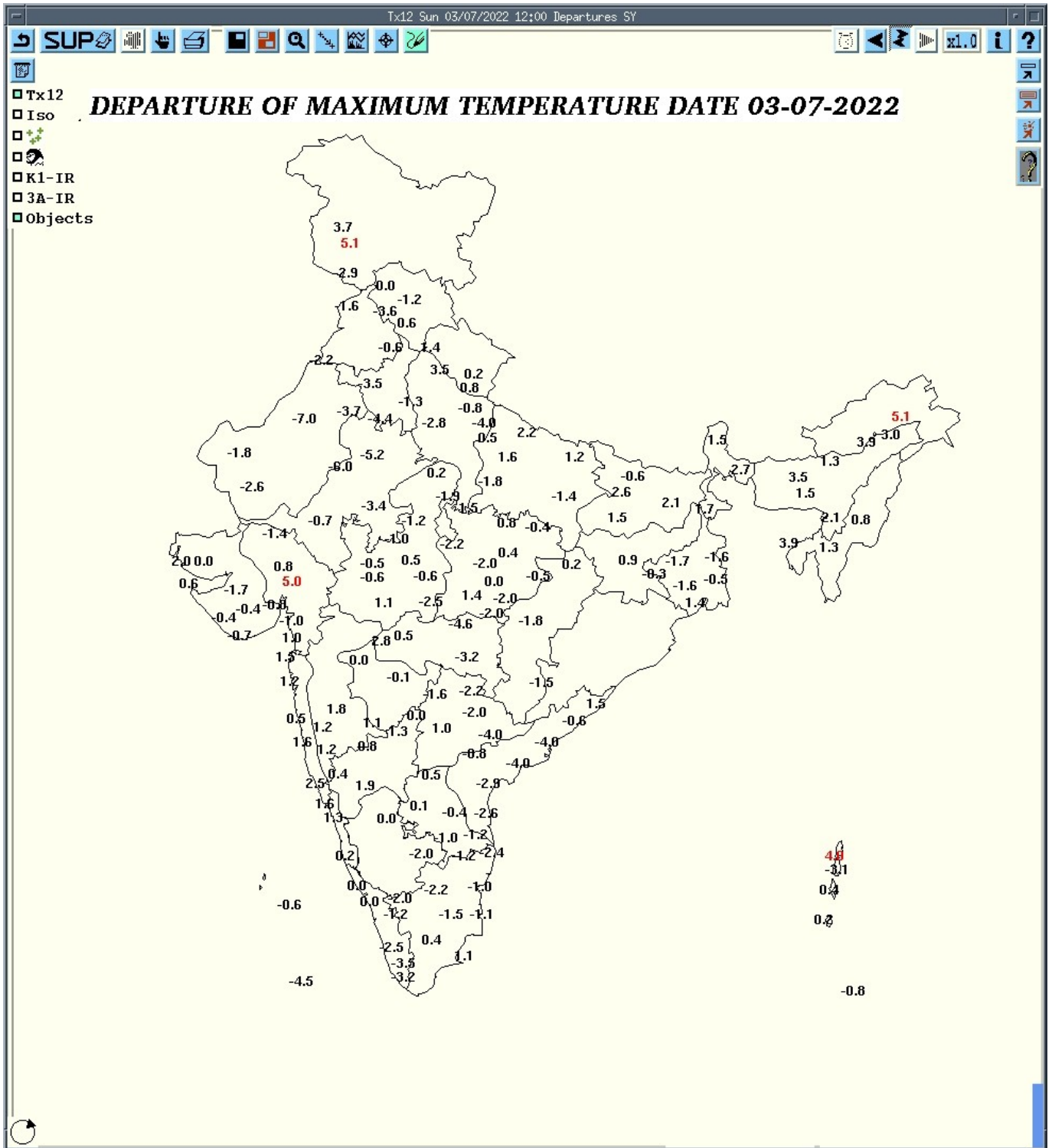
Fig. 3: Minimum Temperature during past 24 hours



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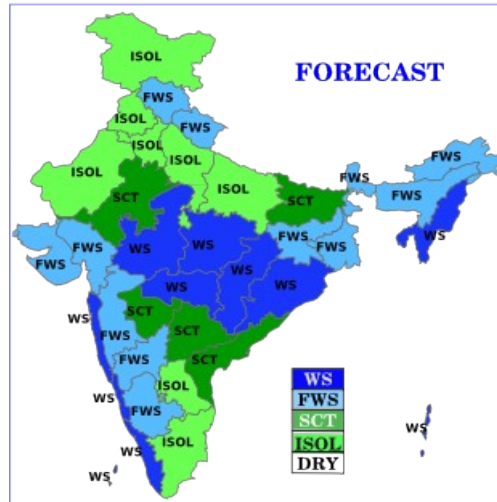


Fig. 4 : Departure from Normal of Maximum Temperatures



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Monday 04 July 2022



04 July (Day 1): ♦ **Heavy to very heavy rainfall** at a few places very likely over East Madhya Pradesh and **heavy to very heavy rainfall** at isolated places over Chhattisgarh, Nagaland, Manipur, Meghalaya & Tripura, Konkan & Goa, Coastal Karnataka and Kerala & Mahe and **heavy rainfall** at isolated places over Uttarakhand, West Madhya Pradesh, Vidarbha, Assam & Meghalaya, Gujarat State, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Telangana, South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm & lightning accompanied with gusty winds speed reaching 30-40 kmph** at isolated places very likely over Andaman & Nicobar Islands and Marathwada and **thunderstorm accompanied with lightning** at isolated places over Haryana, Chandigarh & Delhi, Uttar Pradesh, Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Meghalaya & Tripura, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Strong winds** of 50-60 kmph gusting to 70 kmph very likely over Southwest Arabian Sea and Westcentral Arabian Sea and Strong winds of 40-50 kmph gusting to 60 kmph over Eastcentral Arabian Sea. **Squally winds** (wind speed 40-50 kmph gusting to 60 kmph) very likely North Arabian Sea, along and off Maharashtra-Goa-Karnataka-Kerala coasts and adjoining Southeast Arabian Sea, Gulf of Mannar, Comorin area and adjoining Southwest Bay of Bengal, Coastal Andhra Pradesh coasts and Andaman Sea. Fishermen are advised not to venture into these seas.

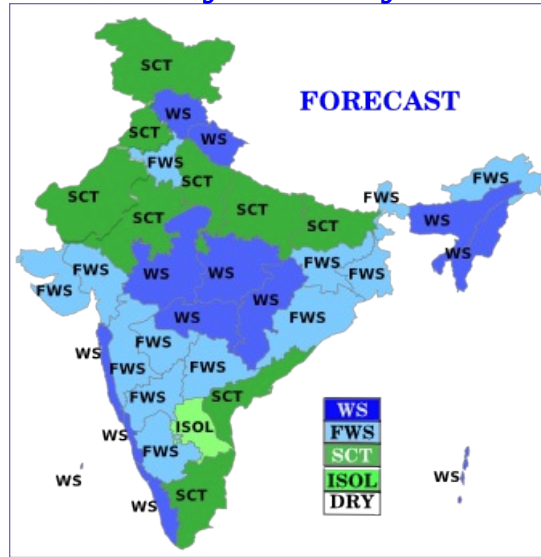
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Tuesday 05 July 2022



05 July (Day 2): ♦ **Heavy to very heavy rainfall** at a few places likely over East Madhya Pradesh, Konkan & Goa; **heavy to very heavy rainfall** at isolated places over Utrakhand, Vidarbha, Chhattisgarh, Gujarat Region, Madhya Maharashtra, Coastal Karnataka and Kerala & Mahe and **heavy rainfall** at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Rajasthan, West Madhya Pradesh, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Meghalaya & Tripura, Saurashtra & Kutch, Coastal Andhra Pradesh & Yanam, Telangana, Interior Karnataka and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm & lightning accompanied with gusty winds speed reaching 30-40 kmph** at isolated places very likely over Andaman & Nicobar Islands and Marathwada and **thunderstorm accompanied with lightning** at isolated places over Madhya Pradesh, Vidarbha, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Strong winds** of 50-60 kmph gusting to 70 kmph very likely over Southwest Arabian Sea and Westcentral Arabian Sea and Strong winds of 40-50 kmph gusting to 60 kmph over Eastcentral Arabian Sea. **Squally winds** (wind speed 40-50 kmph gusting to 60 kmph) very likely along and off Maharashtra-Goa-Karnataka-Kerala coasts and adjoining Southeast Arabian Sea, Gulf of Mannar, Comorin area and adjoining Southwest Bay of Bengal, Coastal Andhra Pradesh coasts and Andaman Sea. Fishermen are advised not to venture into these seas.

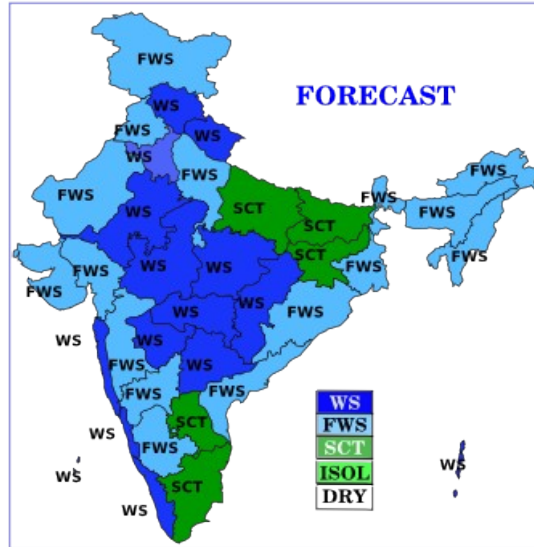
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Wednesday 06 July 2022



06 July (Day 3): ♦ Heavy to very heavy rainfall at a few places likely over East Rajasthan, East Madhya Pradesh and Konkan & Goa; **heavy to very heavy rainfall** at isolated places over Uttarakhand, East Rajasthan, West Madhya Pradesh, Vidarbha, Gujarat Region and Madhya Maharashtra and **heavy rainfall** at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, West Rajasthan, Assam & Meghalaya, Nagaland, Manipur, Meghalaya & Tripura, Saurashtra & Kutch, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Thunderstorm accompanied & lightning** at isolated places likely over Madhya Pradesh, Vidarbha, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema and Karnataka.

♦ **Strong winds** of 50-60 kmph gusting to 70 kmph very likely over Southwest Arabian Sea and Westcentral Arabian Sea and Strong winds of 40-50 kmph gusting to 60 kmph over Eastcentral Arabian Sea. **Squally winds** (wind speed 40-50 kmph gusting to 60 kmph) very likely along and off Maharashtra-Goa-Karnataka-Kerala coasts and adjoining Southeast Arabian Sea. Fishermen are advised not to venture into these seas.

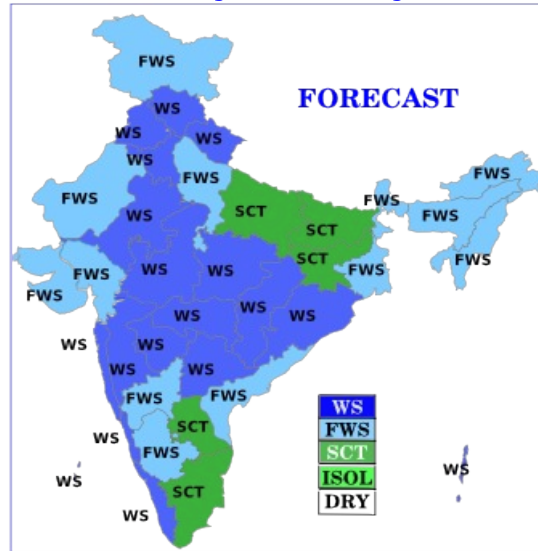
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Thursday 07 July 2022



07 July (Day 4): ♦ **Heavy to very heavy rainfall** at a few places likely over East Madhya Pradesh and Konkan & Goa; **heavy to very heavy rainfall** at isolated places over Uttarakhand, East Rajasthan, West Madhya Pradesh, Vidarbha, Gujarat Region and Madhya Maharashtra and **heavy rainfall** at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, West Rajasthan, Chhattisgarh, Assam & Meghalaya, Nagaland, Manipur, Meghalaya & Tripura, Saurashtra & Kutch, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Thunderstorm accompanied & lightning** at isolated places likely over Madhya Pradesh, Vidarbha, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema and Karnataka.

♦ **Strong winds** of 50-60 kmph gusting to 70 kmph very likely over Southwest Arabian Sea and Westcentral Arabian Sea and Strong winds of 40-50 kmph gusting to 60 kmph over Eastcentral Arabian Sea. **Squally winds** (wind speed 40-50 kmph gusting to 60 kmph) very likely along and off Maharashtra-Goa-Karnataka-Kerala coasts and adjoining Southeast Arabian Sea. Fishermen are advised not to venture into these seas.

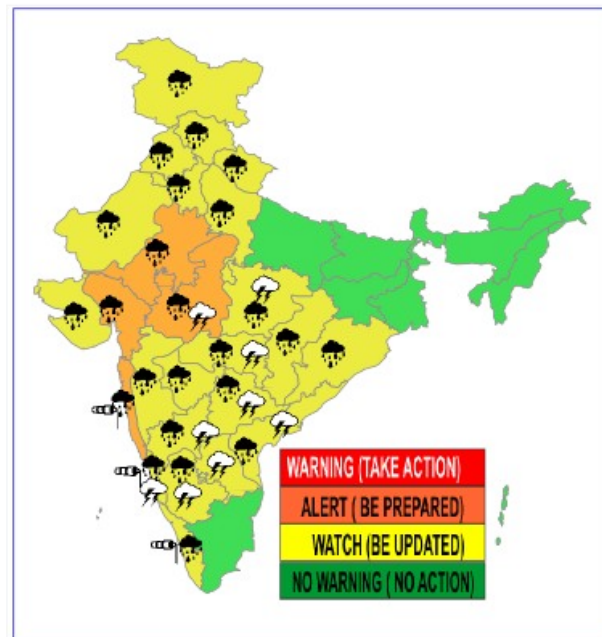
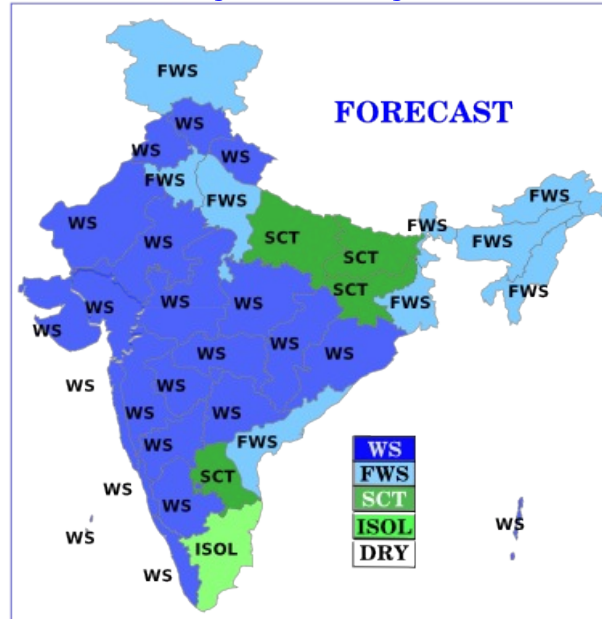
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(Created by the MeteoApp 4.07.22)

Friday 08 July 2022



08 July (Day 5): ♦ Heavy to very heavy rainfall at a few places likely over East Rajasthan, West Madhya Pradesh, Gujarat Region and Konkan & Goa; **heavy to very heavy rainfall** at isolated places over Uttarakhand, East Madhya Pradesh and Madhya Maharashtra and **heavy rainfall** at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, West Rajasthan, Vidarbha, Chhattisgarh, Saurashtra & Kutch, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Karnataka and Kerala & Mahe.

♦ **Thunderstorm accompanied & lightning** at isolated places likely over Madhya Pradesh, Vidarbha, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema and Karnataka.

♦ **Strong winds** of 50-60 kmph gusting to 70 kmph very likely over Southwest Arabian Sea and Westcentral Arabian Sea and Strong winds of 40-50 kmph gusting to 60 kmph over Eastcentral Arabian Sea. **Squally winds** (wind speed 40-50 kmph gusting to 60 kmph) very likely along and off Maharashtra-Goa-Karnataka-Kerala coasts and adjoining Southeast Arabian Sea. Fishermen are advised not to venture into these seas.

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LEGENDS

- 1 अंडमान और निकोबार द्वीप समूह
- 2 अरुणाचल प्रदेश
- 3 असम और मेघालय
- 4 नागालैंड मनीपुर मीजोरम और त्रिपुरा
- 5 उप हिमालय पश्चिम बंगाल 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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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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