

Friday 24 June 2022

EVENING

Time of Issue: 1630 hours IST

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Advance of Southwest Monsoon:

◆ The Northern Limit of Monsoon (NLM) continues to pass through Lat. 22°N/ Long. 60°E, Lat. 22°N/ Long. 65°E, Porbandar, Baroda, Shivpuri, Rewa, Churk, 27.0°N/84°E.

Rainfall/thunderstorm Forecast & Warnings:

◆ Under the influence of setting in of lower level easterlies, rainfall activity likely to increase over Uttarakhand and Uttar Pradesh from 27th June, 2022:

o Scattered to fairly widespread light/moderate rainfall likely over Uttarakhand and Uttar Pradesh during 27th-28th June.

◆ Under the influence of the off-shore trough, a middle-level cyclonic circulation over Eastcentral Arabian Sea off Maharashtra coast and strong westerly winds along the west coast in lower tropospheric levels:

o Isolated **heavy rainfall** very likely over Konkan & Goa, Coastal Karnataka and Kerala & Mahe during next 5 days; south Gujarat state during 24th-27th; ghat areas of Madhya Maharashtra during 24th-26th; North Interior Karnataka on 25th; over South Interior Karnataka on 25th & 26th and over Coastal Andhra Pradesh on 24th June, 2022. Isolated **heavy to very heavy rainfall** also likely over Konkan, Goa & Coastal Karnataka during 24th-26th; over ghat areas of Madhya Maharashtra on 24th & 25th and over south Gujarat state on 25th June.

◆ Under the influence of southerly/southwesterly winds from Bay of Bengal to Northeast & adjoining East India:

o Widespread rainfall very likely over Northeast India and Sub-Himalayan West Bengal & Sikkim during next 5 days. Isolated **heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during next 5 days. Isolated **heavy to very heavy rainfall** also likely over Sub-Himalayan West Bengal during 26th-28th and over Arunachal Pradesh on 27th & 28th June.

o Isolated **heavy rainfall** likely over Gangetic West Bengal on 24th; over Odisha during 24th-26th & 28th; over Bihar & Chhattisgarh during 24th-28th; Vidarbha during 26th-28th and over East Madhya Pradesh on 27th & 28th June, 2022.

Main Weather Observations

◆ **Rainfall/thundershower observed (from 0830 hours IST of yesterday to 0830 hours IST of today):** at most places over Arunachal Pradesh, Sub-Himalayan West Bengal & Sikkim, Konkan & Goa, Coastal Karnataka, Kerala & Mahe, Lakshadweep and Andaman & Nicobar Islands; at many places over Nagaland, Manipur, Mizoram & Tripura, Odisha, Chhattisgarh, Vidarbha, Madhya Maharashtra, Marathwada and North Interior Karnataka; at a few places over Assam & Meghalaya, Gangetic West Bengal, Jharkhand, Madhya Pradesh, Gujarat State, Coastal Andhra Pradesh & Yanam and South Interior Karnataka and at isolated places over Bihar, East Uttar Pradesh, Uttarakhand, Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, East Rajasthan, Telangana, Rayalaseema and Tamilnadu, Puducherry & Karaikal.

◆ **Heavy Rainfall recorded (from 0830 hours IST of yesterday to 0830 hours IST of today):** Isolated very heavy rainfall occurred over Coastal Karnataka, Konkan & Goa, Sub-Himalayan West Bengal and heavy rainfall over East Uttar Pradesh, West Madhya Pradesh, Assam & Meghalaya, Saurashtra, Madhya Maharashtra, Kerala, Nicobar Islands, Bihar and Odisha.

◆ **Chief amount of Rainfall observed (from 0830 hours IST of yesterday to 0830 hours IST of today)(7 cm or more):** Konkan & Goa:- North Goa: Valpoi -14, Panjim-9, South Goa: Quepem-12, Mormugao -10, Raigad: Matheran-9, Ratnagiri: Guhagarh-8, Sindhudurg: Dodamarg- 7, **Madhya Maharashtra:** Nashik: Igatpuri -10, **Sub-Himalayan West Bengal:** Darjeeling: Bagarkote-14, Bagdogra-7, Jalpaiguri: Buxaduar-13, **Nicobar Islands:** Car Nicobar-7, **Assam & Meghalaya:** West Siang: Basar-7, Dhemaji: Dhemaji-7, Tinsukia: Tinsukia-7, **Saurashtra:** Junagadh: Manavadar-8, **Coastal Karnataka:** Uttara Kannada: Honavar- 15, Shirali -11, Kumta-10, Karwar-8, Kadra, Gokarna -7 each, Udupi: Udupi- 9, Kota, Kundapur-7 each, **Kerala:** Kottayam: Kumarakom, Vadavathoor-9 each, Kottayam-8, Alappuzha: Cherthala-9, **East Uttar Pradesh:** Gorakhpur: Chandereepghat-8, **West Madhya Pradesh:** Ujjain: Nagda-10, **Bihar:** Kishanganj: Galgalia-9, **Odisha:** Mayurbhanj: Muruda-9, Boudhgarh: Harabhanga-8, Ganjam: Madhabarida -7.

◆ **Thunderstorm observed (from 0830 hours IST to 1430 hours IST of today):** at isolated places over Gujarat State, Telangana, Chhattisgarh, Coastal Andhra Pradesh & Yanam, East Uttar Pradesh, Odisha, Jharkhand, Bihar and Sub-Himalayan West Bengal & Sikkim.

◆ **Maximum Temperature Departures (as on 23-06-2022):** Maximum temperatures were **appreciably above normal (3.1°C to 5.0°C)** at a few places over Saurashtra & Kutch; **above normal (1.6°C to 3.0°C)** at many places over Bihar, Jharkhand and Gangetic West Bengal; at a few places over Uttarakhand, West Uttar Pradesh, West Madhya Pradesh, Madhya Maharashtra and Kerala & Mahe; at isolated places over East Uttar Pradesh, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, East Madhya Pradesh, Vidarbha, Gujarat Region, Telangana, Coastal Andhra Pradesh & Yanam and Tamilnadu, Puducherry & Karaikal. They were **markedly below normal (-5.1°C or less)** at a few places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad; **appreciably below normal (-3.1°C to -5.0°C)** at isolated places over Rajasthan; **below normal (-1.6°C to -3.0°C)** at a few places over Haryana, Chandigarh & Delhi and Andaman & Nicobar Island; at isolated places over Rayalaseema and **near normal** over rest parts of the country. **Yesterday**, the highest maximum temperature of 42.0°C was reported at **Naliya (Saurashtra & Kutch)**.

◆ **Minimum Temperature Departures (as on 24-06-2022):** Minimum temperatures are **above normal (1.6°C to 3.0°C)** at a few places over Saurashtra & Kutch and Sub-Himalayan West Bengal & Sikkim. They are **appreciably below normal (-3.1°C to -5.0°C)** at many places over Jammu & Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad; at isolated places over Haryana, Chandigarh & Delhi, West Rajasthan and West Madhya Pradesh; **below normal (-1.6°C to -3.0°C)** at a few places over East Madhya Pradesh; at isolated places over Himachal Pradesh, East Rajasthan, East Uttar Pradesh, Tamilnadu, Puducherry & Karaikal and Lakshadweep and **near normal** over rest parts of the country. **Today**, the lowest minimum temperature of 16.8°C is reported at **Khargone (West Madhya Pradesh)** over the plains of the country.

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

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Meteorological Analysis (Based on 1430 hours IST)

- ◆ The Northern Limit of Monsoon (NLM) continues to pass through Lat. 22°N/ Long. 60°E, Lat. 22°N/ Long. 65°E, Porbandar, Baroda, Shivpuri, Rewa, Churk, 27.0°N/84°E.
- ◆ The Western Disturbance as a trough in mid & upper tropospheric westerlies with its axis at 5.8 km above mean sea level roughly along Long 76°E to the north of Lat 28°N persists.
- ◆ The off-shore trough at mean sea level from south Gujarat coast to Karnataka coast persists.
- ◆ The cyclonic circulation over southeast Uttar Pradesh & neighbourhood extending upto 0.9 km above mean sea level persists.
- ◆ The cyclonic circulation over Eastcentral Arabian Sea off Maharashtra coast extending upto 4.5 km above mean sea level persists.
- ◆ The cyclonic circulation over Jharkhand & neighbourhood between 1.5 & 2.1 km above mean sea level persists.
- ◆ The trough from above cyclonic circulation over Jharkhand & neighbourhood to Vidarbha across north Chhattisgarh and southeast Madhya Pradesh at 1.5 km above mean sea level persists.

Weather Forecast for next 5 days * upto 0830 hours IST of 29th June, 2022

- ◆ Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- ◆ Rise in maximum temperatures by about 2°C very likely over most parts of Northwest India during next 2 days and no significant change thereafter.
- ◆ 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 29th June-30th June, 2022

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

Weather Warning during next 5 days *

24 June (Day 1): ♦ **Heavy to very heavy rainfall** at isolated places very likely over Konkan & Goa, ghat areas of Madhya Maharashtra and Coastal Karnataka and **heavy rainfall** at isolated places over Chhattisgarh, Bihar, West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Coastal Andhra Pradesh & Yanam and Kerala & Mahe.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over East Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Konkan & Goa, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Karnataka, Tamilnadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over east central Arabian Sea, along and off south Gujarat, Maharashtra, Goa, Karnataka-Kerala coasts and Lakshadweep area. **Strong winds** of 50-60 kmph gusting to 70 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea. Fishermen are advised not to venture into these seas.

25 June (Day 2): ♦ **Heavy to very heavy rainfall** at isolated places very likely over Konkan & Goa, ghat areas of Madhya Maharashtra, south Gujarat state and Coastal Karnataka and **heavy rainfall** at isolated places over Chhattisgarh, Bihar, Sub-Himalayan West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Interior Karnataka and Kerala & Mahe.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over East Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Karnataka, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** (wind speed 45-55 kmph gusting to 65 kmph) very likely along and off south Gujarat coast; (wind speed 40-50 kmph gusting to 60 kmph) very likely over east central Arabian Sea, along and off Maharashtra, Goa, Karnataka, Kerala coasts and Lakshadweep area. **Strong winds** of 50-60 kmph gusting to 70 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea. Fishermen are advised not to venture into these seas.

26 June (Day 3): ♦ **Heavy to very heavy rainfall** at isolated places very likely over Sub-Himalayan West Bengal & Sikkim, Coastal Karnataka, Konkan & Goa and **heavy rainfall** at isolated places over Vidarbha, Chhattisgarh, Bihar, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Gujarat state, South Interior Karnataka and Kerala & Mahe.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Uttarakhand, East Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Coastal & South Interior Karnataka, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** (wind speed 45-55 kmph gusting to 65 kmph) very likely along and off south Gujarat coast; (wind speed 40-50 kmph gusting to 60 kmph) very likely over east central Arabian Sea, along and off Maharashtra, Goa, Karnataka, Kerala coasts and Lakshadweep area. **Strong winds** of 50-60 kmph gusting to 70 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea. Fishermen are advised not to venture into these seas.

27 June (Day 4): ♦ **Heavy to very heavy rainfall** at isolated places likely over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh and **heavy rainfall** at isolated places over East Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Gujarat State, Coastal Karnataka and Kerala & Mahe.

♦ **Thunderstorm accompanied with lightning & gusty winds (speed reaching 30-40 kmph)** at isolated places likely over Uttarakhand, East Rajasthan and **with lightning** at isolated places over Himachal Pradesh, East Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, Gangetic West Bengal, Coastal Andhra Pradesh & Yanam, Coastal Karnataka, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) likely over east central Arabian Sea, along and off south Maharashtra, Goa coasts. **Strong winds** of 50-60 kmph gusting to 70 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea. Fishermen are advised not to venture into these seas.

28 June (Day 5): ♦ **Heavy to very heavy rainfall** at isolated places likely over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh and **heavy rainfall** at isolated places over East Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, Odisha, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Coastal Karnataka and Kerala & Mahe.

♦ **Thunderstorm accompanied with lightning & gusty winds (speed reaching 30-40 kmph)** at isolated places likely over Uttarakhand, East Rajasthan and **with lightning** at isolated places over Himachal Pradesh, Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Jharkhand, Gangetic West Bengal, Coastal Andhra Pradesh & Yanam, Coastal Karnataka, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) likely over east central Arabian Sea, along and off south Maharashtra, Goa coasts. **Strong winds** of 50-60 kmph gusting to 70 kmph likely over south west Arabian Sea and adjoining west central 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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(Copied as the National Alert 1870)



Table-1
5 Day Rainfall Forecast (EVENING)
24-June-2022

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

% Station Reporting Rainfall

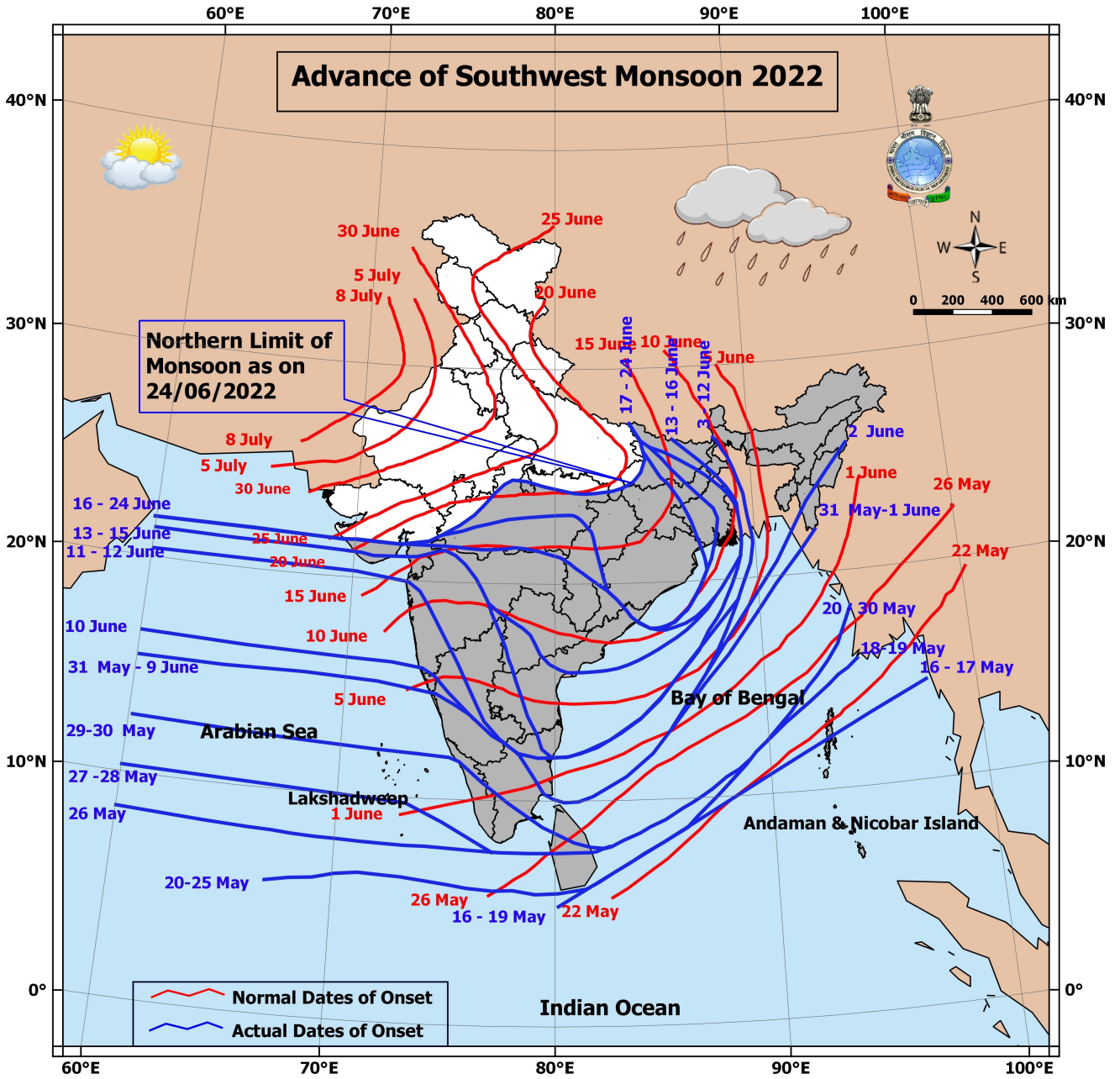
% Stations	Category	% Stations	Category
76-100	Widespread (WS/Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)
No Rain	Dry		

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(Circle as the National flag 497)



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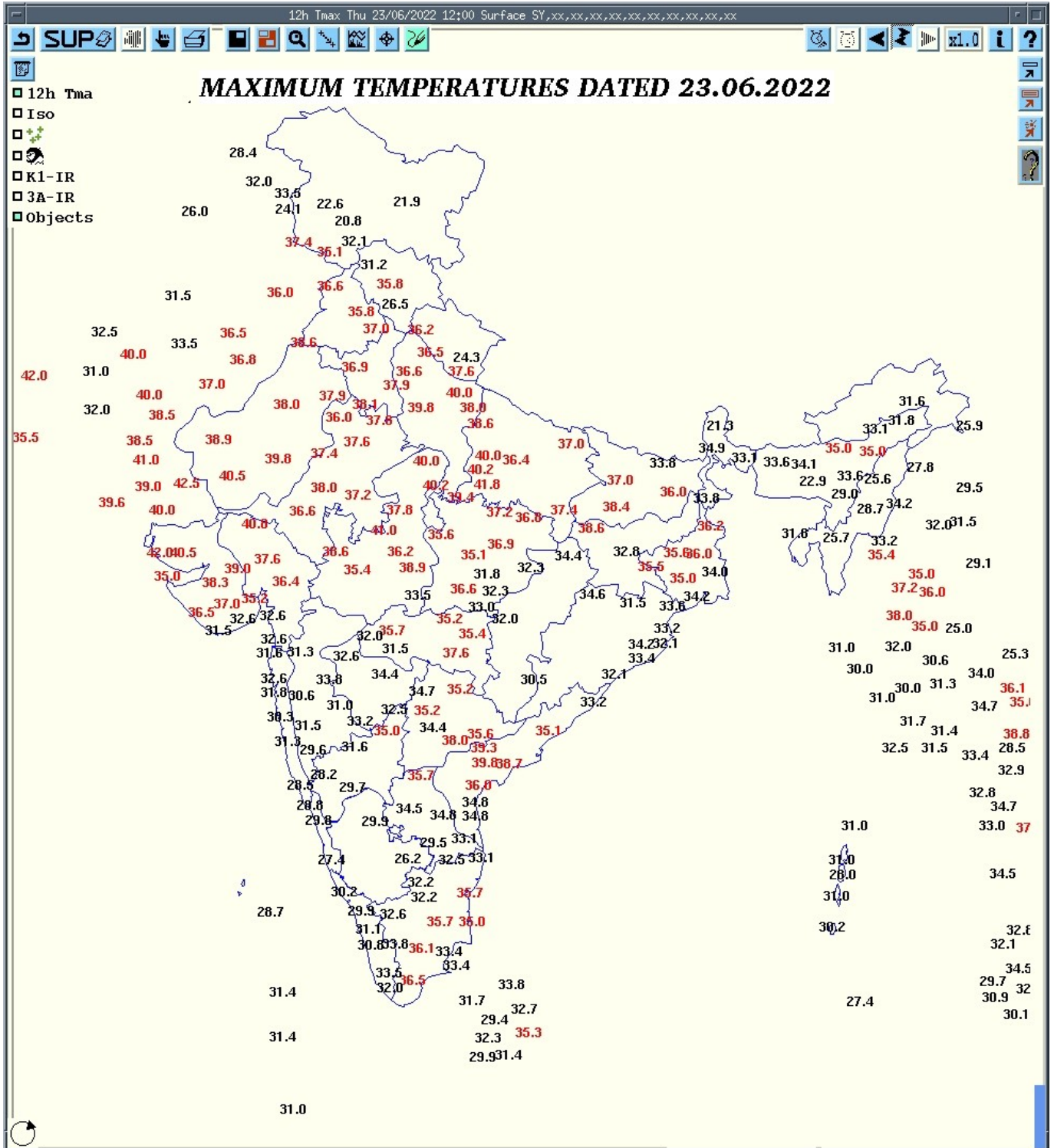
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(As per the Met Act 1975)



Fig. 2: Maximum Temperature during past 24 hours



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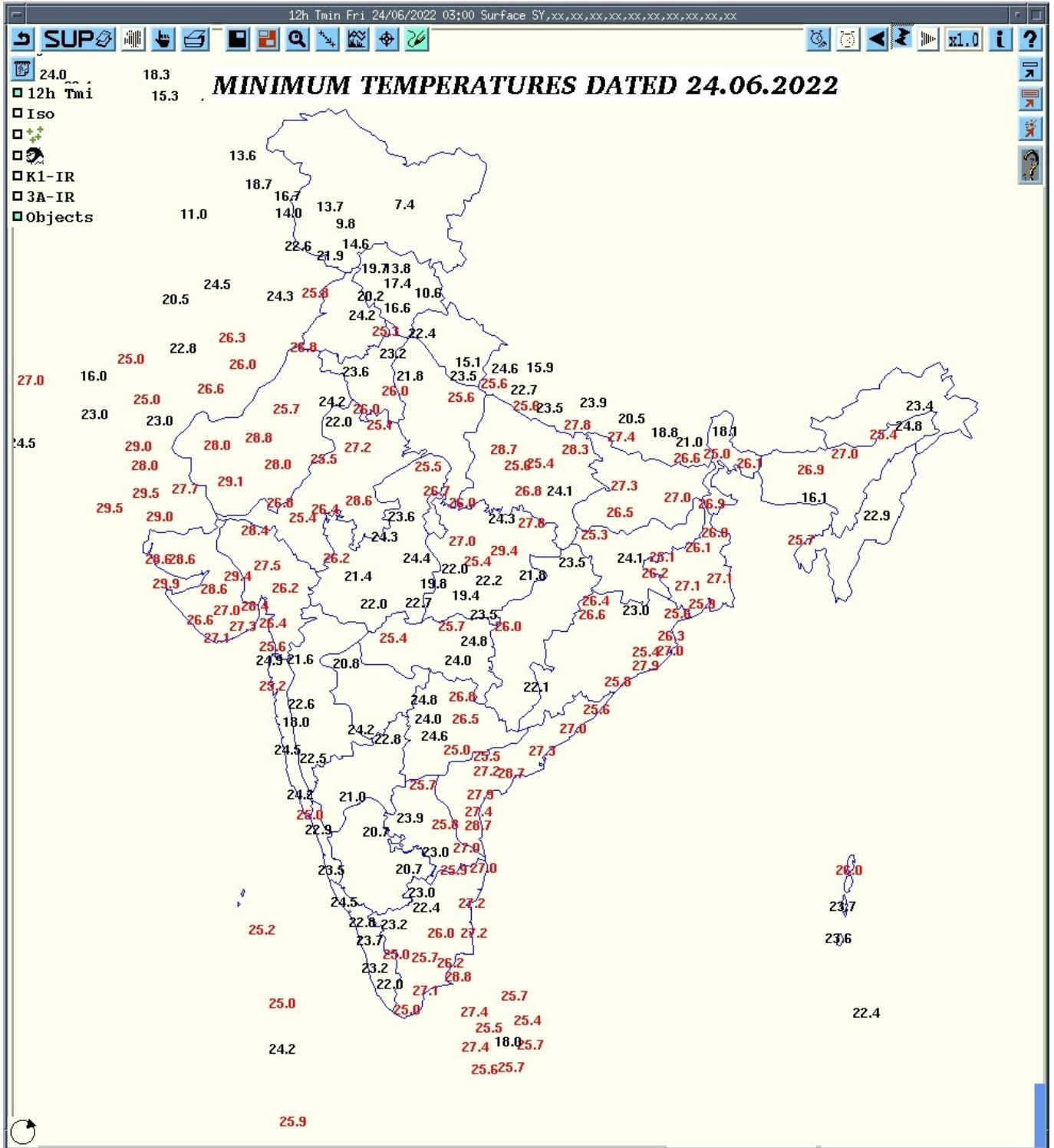
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(Created by the MetInfo app 1977)

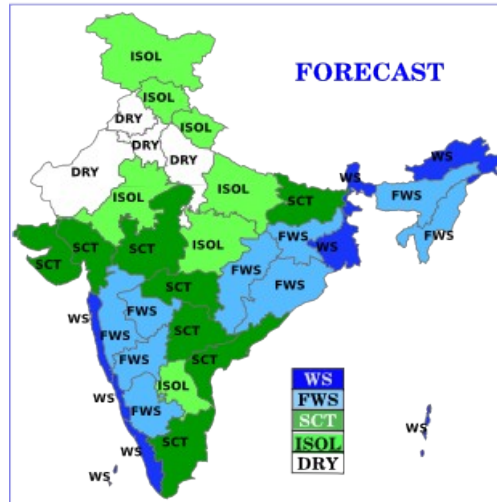


Fig. 3: Minimum Temperature during past 24 hours



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Friday 24 June 2022



24 June (Day 1): ♦ **Heavy to very heavy rainfall** at isolated places very likely over Konkan & Goa, ghat areas of Madhya Maharashtra and Coastal Karnataka and **heavy rainfall** at isolated places over Chhattisgarh, Bihar, West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Coastal Andhra Pradesh & Yanam and Kerala & Mahe.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over East Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Konkan & Goa, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Karnataka, Tamilnadu, Puduchery & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over east central Arabian Sea, along and off south Gujarat, Maharashtra, Goa, Karnataka-Kerala coasts and Lakshadweep area. **Strong winds** of 50-60 kmph gusting to 70 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea. Fishermen are advised not to venture into these seas.

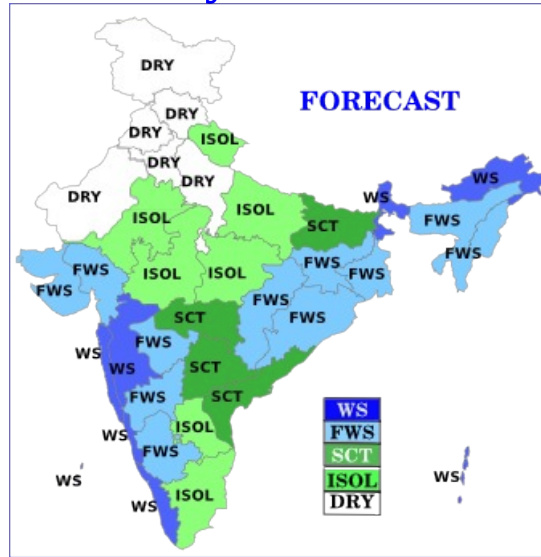
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(Copies to the Meteorologist (GPO))

Saturday 25 June 2022



25 June (Day 2): ♦ **Heavy to very heavy rainfall** at isolated places very likely over Konkan & Goa, ghat areas of Madhya Maharashtra, south Gujarat state and Coastal Karnataka and **heavy rainfall** at isolated places over Chhattisgarh, Bihar, Sub-Himalayan West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Interior Karnataka and Kerala & Mahe.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over East Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Karnataka, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** (wind speed 45-55 kmph gusting to 65 kmph) very likely along and off south Gujarat coast; (wind speed 40-50 kmph gusting to 60 kmph) very likely over east central Arabian Sea, along and off Maharashtra, Goa, Karnataka, Kerala coasts and Lakshadweep area. **Strong winds** of 50-60 kmph gusting to 70 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea. Fishermen are advised not to venture into these seas.

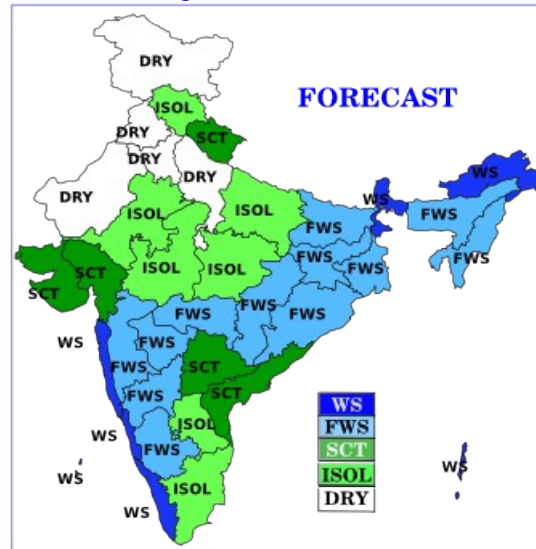
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(Copies of the National News 1977)

Sunday 26 June 2022



26 June (Day 3): ♦ **Heavy to very heavy rainfall** at isolated places very likely over Sub-Himalayan West Bengal & Sikkim, Coastal Karnataka, Konkan & Goa and **heavy rainfall** at isolated places over Vidarbha, Chhattisgarh, Bihar, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Gujarat state, South Interior Karnataka and Kerala & Mahe.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Uttarakhand, East Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Coastal & South Interior Karnataka, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** (wind speed 45-55 kmph gusting to 65 kmph) very likely along and off south Gujarat coast; (wind speed 40-50 kmph gusting to 60 kmph) very likely over east central Arabian Sea, along and off Maharashtra, Goa, Karnataka, Kerala coasts and Lakshadweep area. **Strong winds** of 50-60 kmph gusting to 70 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea. Fishermen are advised not to venture into these seas.

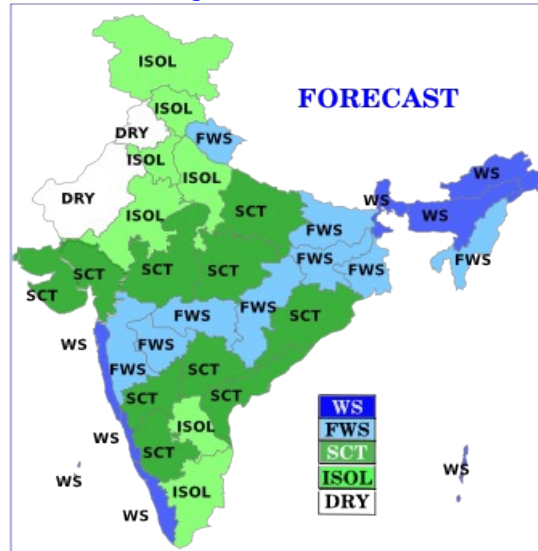
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Monday 27 June 2022



27 June (Day 4): ♦ **Heavy to very heavy rainfall** at isolated places likely over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh and **heavy rainfall** at isolated places over East Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Gujarat State, Coastal Karnataka and Kerala & Mahe.

♦ **Thunderstorm accompanied with lightning & gusty winds (speed reaching 30-40 kmph)** at isolated places likely over Uttarakhand, East Rajasthan and **with lightning** at isolated places over Himachal Pradesh, East Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, Gangetic West Bengal, Coastal Andhra Pradesh & Yanam, Coastal Karnataka, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) likely over east central Arabian Sea, along and off south Maharashtra, Goa coasts. **Strong winds** of 50-60 kmph gusting to 70 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea. Fishermen are advised not to venture into these seas.

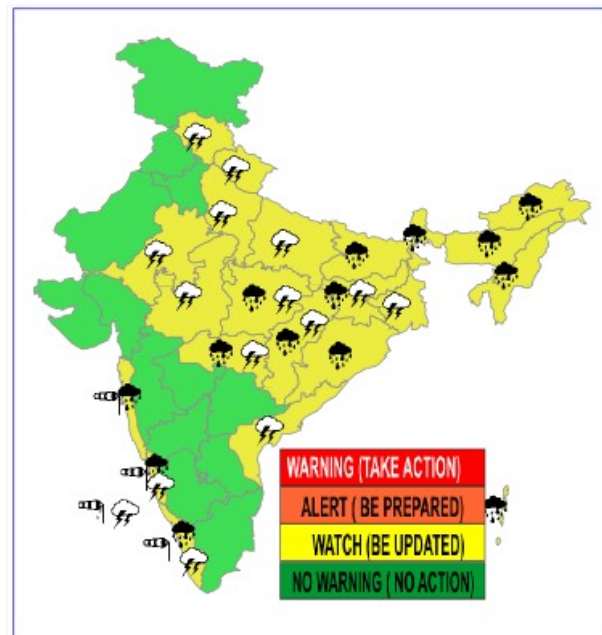
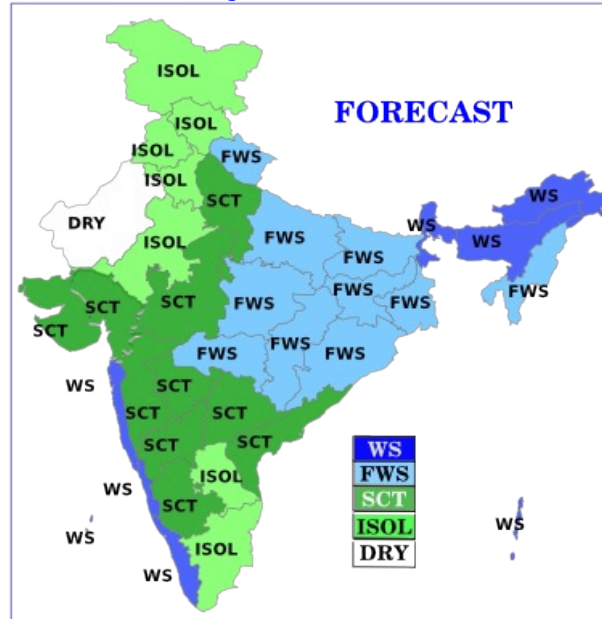
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(Circle as the National flag)

Tuesday 28 June 2022



28 June (Day 5): ♦ **Heavy to very heavy rainfall** at isolated places likely over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh and **heavy rainfall** at isolated places over East Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, Odisha, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Coastal Karnataka and Kerala & Mahe.

♦ **Thunderstorm accompanied with lightning & gusty winds (speed reaching 30-40 kmph)** at isolated places likely over Uttarakhand, East Rajasthan and **with lightning** at isolated places over Himachal Pradesh, Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Jharkhand, Gangetic West Bengal, Coastal Andhra Pradesh & Yanam, Coastal Karnataka, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) likely over east central Arabian Sea, along and off south Maharashtra, Goa coasts. **Strong winds** of 50-60 kmph gusting to 70 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea. Fishermen are advised not to venture into these seas.

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(Created by the Met Office 1872)

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 एंवम् 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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