



Monday 27 June 2022

MORNING

Time of Issue: 0800 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.
- ◆ Conditions are favourable for further advance of southwest monsoon into some more parts of Gujarat, some parts of east Rajasthan, remaining parts Madhya Pradesh, remaining parts of Bihar, some more parts of Uttar Pradesh and some parts of Uttarakhand during next 3-4 days.

Rainfall/thunderstorm Forecast & Warnings:

- ◆ Under the influence of the cyclonic circulation over eastcentral & adjoining northeast Arabian Sea off north Konkan-south Gujarat coasts, a **Low Pressure Area** has formed over the same region with the associated cyclonic circulation extends upto mid-tropospheric levels.

◆ **An off-shore trough at mean sea level along west coast and strong westerly/southwesterly winds along the west coast in lower tropospheric levels. Under their influence:**

- Isolated **heavy to very heavy rainfall** very likely over Konkan & Goa during next 5 days. Isolated **heavy rainfall** over Gujarat Region, Madhya Maharashtra, Coastal Karnataka, Kerala & Mahe during next 5 days; over southern parts of Saurashtra on 29th & 30th June; Coastal Andhra Pradesh & Telangana on 29th June; over Telangana on 30th; over North Interior Karnataka on 29th & 30th June; over South Interior Karnataka during 28th-30th June, 2022. Isolated **heavy to very heavy rainfall** also likely over Coastal Karnataka on 29th & 30th June.

◆ **Due to east-west trough over north India and moist winds from Bay of Bengal and Arabian Sea over northern parts of the country in lower tropospheric levels:**

- Isolated **heavy rainfall** likely over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad and West Rajasthan on 30th, over Uttarakhand during 27th-30th; over East Rajasthan during 29th-30th; over Uttar Pradesh during 28th-30th and over Himachal Pradesh on 29th-30th June. Isolated heavy to very heavy rainfall also likely over Uttarakhand on 29th June.
- Isolated **heavy rainfall** very likely over Madhya Pradesh, Chhattisgarh, Vidarbha during 27th-30th June, 2022 and isolated heavy to very heavy rainfall also likely over Bihar on 28th & 29th June.

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

- Isolated **heavy to very heavy rainfall** also likely over Sub-Himalayan West Bengal on 28th & 29th June, 2022.

Main Weather Observations

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

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- ◆ **Rainfall/thundershower observed (from 0830 hours IST to 1730 hours IST of yesterday):** at most places over Arunachal Pradesh; at many places over Konkan & Goa, Coastal Karnataka, Nagaland, Manipur, Mizoram & Tripura and Andaman & Nicobar Islands; at a few places over Uttarakhand, East Madhya Pradesh, West Bengal & Sikkim, Assam & Meghalaya, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Interior Karnataka and at isolated places over Gujarat, West Madhya Pradesh, Bihar, Odisha, Vidarbha, Telangana, Kerala & Mahe and Lakshadweep.
- ◆ **Heavy Rainfall recorded (from 0830 hours IST to 1730 hours IST of yesterday):** Heavy rainfall at isolated places over East Madhya Pradesh.
- ◆ **Chief amount of Rainfall observed (from 0830 hours IST to 1730 hours IST of yesterday)(2 cm or more):** Chhindwara-11; Harnai, Panjim-3; Jalpaiguri, Ratnagiri, Port Blair, Hut Bay-2 each; Pantnagar, Rajkot, Itanagar, Pasighat, Mahabaleshwar, Honavar, Daman, Kohima, Bagati, Kolkata, Brahmapuri, Hanamkonda, Udgir, Shirali, and Maya Bandar-1 each.
- ◆ **Thunderstorm observed (from 2030 hours IST of yesterday to 0530 hours IST of today):** at isolated places over Gujarat Region, Marathwada and Coastal Andhra Pradesh.
- ◆ **Yesterday"s heat wave conditions** prevailed in isolated pockets of Rajasthan and Gujarat.
- ◆ **Maximum Temperature Departures (as on 26-06-2022):** Maximum temperatures were **markedly above normal (5.1°C or more)** at isolated places over Rajasthan and Gujarat; **appreciably above normal (3.0°C to 5.0°C)** at many places over East Uttar Pradesh; at a few places over Madhya Pradesh, Haryana, Chandigarh & Delhi and Kerala & Mahe; **above normal (1.6°C to 3.0°C)** at most places over West Uttar Pradesh; at many places over Bihar; at a few places over Gangetic West Bengal, Odisha, Nagaland, Manipur, Mizoram & Tripura, Coastal Karnataka and Tamilnadu, Puducherry & Karaikal. They were **appreciably below normal (-3.0°C to -5.0°C)** at a few places over North Interior Karnataka; **below normal (-1.6°C to -3.0°C)** at a few places over Coastal Andhra Pradesh & Yanam, Telangana, Vidarbha and Chhattisgarh; at isolated places over Konkan & Goa, Madhya Maharashtra and Andaman & Nicobar Islands and **near normal** over rest parts of the country. Yesterday, the highest **maximum temperature** of 45.5°C was reported at **Jaisalmer & Barmer (West Rajasthan)**.
- ◆ **Minimum Temperature Departures (as on 26-06-2022):** Minimum temperatures were **appreciably above normal (3.1°C to 5.0°C)** at a few places over Rajasthan, West Madhya Pradesh; at isolated places over Uttar Pradesh, Gujarat Region; **above normal (1.6°C to 3.0°C)** at many places over Lakshadweep, Punjab; at a few places over Vidarbha; at isolated places over West Bengal & Sikkim, Odisha, Saurashtra & Kutch. They were **below normal (-1.6°C to -3.0°C)** at a few places over East Madhya Pradesh; at isolated places over Himachal Pradesh, Telangana, Tamilnadu, Puducherry & Karaikal, Coastal Andhra Pradesh & Yanam and near normal over rest parts of the country. Yesterday, the lowest **minimum temperature** of 19.4°C reported at **Seoni (East Madhya Pradesh)** over the plains of the country.

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Meteorological Analysis (Based on 0530 hours IST)

- ◆ Under the influence of the cyclonic circulation over eastcentral & adjoining northeast Arabian Sea off north Konkan-south Gujarat coasts, a **Low Pressure Area** has formed over the same region with the associated cyclonic circulation extends upto mid-tropospheric levels.
- ◆ 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.
- ◆ Conditions are favorable for further advance of southwest monsoon into some more parts of Gujarat, some parts of east Rajasthan, remaining parts Madhya Pradesh, remaining parts of Bihar, some more parts of Uttar Pradesh and some parts of Uttarakhand during next 2-3 days.
- ◆ The off-shore trough at mean sea level from south Gujarat coast to north Kerala coast persists.
- ◆ The cyclonic circulation over northwest Rajasthan & neighbourhood extending upto 4.5 km above mean sea level persists.
- ◆ The east-west trough from above cyclonic circulation over northwest Rajasthan & neighbourhood to Westcentral Bay of Bengal across East Rajasthan, Madhya Pradesh, Chhattisgarh and south Odisha extending upto 1.5 km above mean sea level persists.
- ◆ The cyclonic circulation over south Chhattisgarh & neighbourhood between 1.5 & 5.8 km above mean sea level tilting southwards with height persists.
- ◆ The trough from cyclonic circulation over south Chhattisgarh & neighbourhood to cyclonic circulation over eastcentral & adjoining northeast Arabian Sea off north Konkan-south Gujarat coasts at 3.1 km above mean sea level persists.

Weather Forecast for next 5 days * upto 0830 hours IST of 02nd July, 2022

- ◆ Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- ◆ Fall in maximum temperatures by 3-4°C likely over most parts of Northwest India during next 4-5 days.
- ◆ 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 02nd July-04th July, 2022

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

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Weather Warning during next 5 days *

27 June (Day 1): ♦ **Heavy to very heavy rainfall** at isolated places very likely over Konkan & Goa and **heavy rainfall** at isolated places over Uttarakhand, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat State, Madhya Maharashtra, Coastal Karnataka, Coastal Andhra Pradesh & Yanam and Kerala & Mahe.

♦ **Thunderstorm accompanied with lightning & gusty winds** (speed 30-40 kmph) at isolated places very likely over Bihar; **with lightning** at isolated places over Madhya Pradesh, Vidarbha, Chhattisgarh, Jharkhand, Gangetic West Bengal, Odisha, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Karnataka, Tamilnadu, Puducherry & Karaikal, Kerala & Mahe, Rayalaseema and Lakshadweep.

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

28 June (Day 2): ♦ **Heavy to very heavy rainfall** at isolated places very likely over Bihar, Sub-Himalayan West Bengal & Sikkim, Konkan & Goa and **heavy rainfall** at isolated places over Uttarakhand, Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Jharkhand, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat Region, Madhya Maharashtra, Coastal & South Interior Karnataka and Kerala & Mahe.

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

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

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

♦ **Thunderstorm accompanied with lightning & gusty winds** (speed 30-40 kmph) at isolated places very likely over Himachal Pradesh; **with lightning** at isolated places over Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, Gangetic West Bengal, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Rayalaseema and Kerala & Mahe.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) likely over east central Arabian Sea, along and off south Gujarat, Maharashtra, Goa, Karnataka, Kerala coasts. Strong winds of 50-60 kmph gusting to 70 kmph likely over Southwest & Westcentral Arabian Sea and Strong Winds (wind speed 40-50 kmph gusting to 60 kmph) Gulf of Mannar, Comorin Area, Maldives Area and adjoining Southwest Bay of Bengal. Fishermen are advised not to venture into these seas.

30 June (Day 4): ♦ **Heavy to very heavy rainfall** at isolated places very likely over Konkan & Goa and Coastal Karnataka and **heavy rainfall** at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Uttar Pradesh, Rajasthan, Madhya Pradesh, Chhattisgarh, Bihar, Sub-Himalayan West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Madhya Maharashtra, Telangana, Interior Karnataka and Kerala & Mahe.

♦ **Thunderstorm accompanied with lightning & gusty winds** (speed 30-40 kmph) at isolated places very likely over Himachal Pradesh; **with lightning** at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, Gangetic West Bengal, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Rayalaseema and Kerala & Mahe.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) likely over east central Arabian Sea, along and off Maharashtra, Goa. Strong winds of 50-60 kmph gusting to 70 kmph likely over Southwest & Westcentral Arabian Sea and Strong Winds (wind speed 40-50 kmph gusting to 60 kmph) Gulf of Mannar, Comorin Area, Maldives Area and adjoining Southwest Bay of Bengal. Fishermen are advised not to venture into these seas.

01 July (Day 5): ♦ **Heavy to very heavy rainfall** at isolated places very likely over Konkan & Goa and Coastal Karnataka and **heavy rainfall** at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Uttar Pradesh, Rajasthan, Madhya Pradesh, Chhattisgarh, Bihar, Sub-Himalayan West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Madhya Maharashtra, Telangana, Interior Karnataka and Kerala & Mahe.

♦ **Thunderstorm accompanied with lightning & gusty winds** (speed 30-40 kmph) at isolated places very likely over Himachal Pradesh; **with lightning** at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, Gangetic West Bengal, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Rayalaseema and Kerala & Mahe.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) likely over east central Arabian Sea, along and off Maharashtra, Goa. Strong winds of 50-60 kmph gusting to 70 kmph likely over Southwest & Westcentral Arabian Sea and Strong Winds (wind speed 40-50 kmph gusting to 60 kmph) Gulf of Mannar, Comorin Area, Maldives Area and adjoining Southwest Bay of Bengal. 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)
27-June-2022

Met-Sub-Division	27-Jun Today	28Jun Tue	29Jun Wed	30Jun Thu	01Jul Fri
1. Andaman & Nicobar Islands	WS	WS	FWS	WS	WS
2. Arunachal Pradesh	WS	WS	WS	WS	WS
3. Assam & Meghalaya	WS	WS	WS	WS	WS
4. N. M. M. & T.	FWS	FWS	FWS	FWS	WS
5. S.H. West Bengal & Sikkim	WS	WS	WS	WS	WS
6. Gangetic West Bengal	SCT	SCT	FWS	FWS	FWS
7. Odisha	SCT	FWS	FWS	FWS	FWS
8. Jharkhand	SCT	FWS	FWS	FWS	FWS
9. Bihar	FWS	FWS	FWS	FWS	FWS
10. East Uttar Pradesh	SCT	WS	WS	WS	WS
11. West Uttar Pradesh	ISOL	FWS	FWS	FWS	FWS
12. Uttarakhand	FWS	WS	WS	WS	WS
13. Haryana, Chd & Delhi	ISOL	ISOL	FWS	FWS	FWS
14. Punjab	ISOL	ISOL	FWS	FWS	FWS
15. Himachal Pradesh	ISOL	SCT	FWS	WS	WS
16. J & K and Ladakh	ISOL	ISOL	SCT	FWS	FWS
17. West Rajsthan	ISOL	ISOL	ISOL	ISOL	ISOL
18. East Rajasthan	ISOL	SCT	FWS	WS	SCT
19. West Madhya Pradesh	FWS	WS	WS	WS	WS
20. East Madhya Pradesh	FWS	WS	WS	WS	WS
21. Gujarat Region	FWS	SCT	SCT	FWS	FWS
22. Saurashtra & Kutch	SCT	SCT	SCT	FWS	FWS
23. Konkan & Goa	WS	WS	WS	WS	WS
24. Madhya Maharashtra	FWS	SCT	FWS	FWS	FWS
25. Marathawada	FWS	SCT	FWS	FWS	FWS
26. Vidharbha	FWS	WS	WS	WS	WS
27. Chhattisgarh	FWS	WS	WS	WS	WS
28. Coastal A. P. & Yanam	SCT	SCT	FWS	FWS	FWS
29. Telangana	SCT	SCT	FWS	FWS	FWS
30. Rayalaseema	ISOL	ISOL	SCT	SCT	SCT
31. T.N.,Puducherry & Karaikal	ISOL	ISOL	SCT	SCT	SCT
32. Coastal Karnataka	WS	WS	WS	WS	WS
33. North Interior Karnataka	SCT	SCT	FWS	FWS	FWS
34. South Interior Karnataka	SCT	SCT	FWS	FWS	FWS
35. Kerala & Mahe	WS	WS	WS	WS	WS
36. Lakshadweep	FWS	WS	WS	WS	WS

% Station Reporting Rainfall

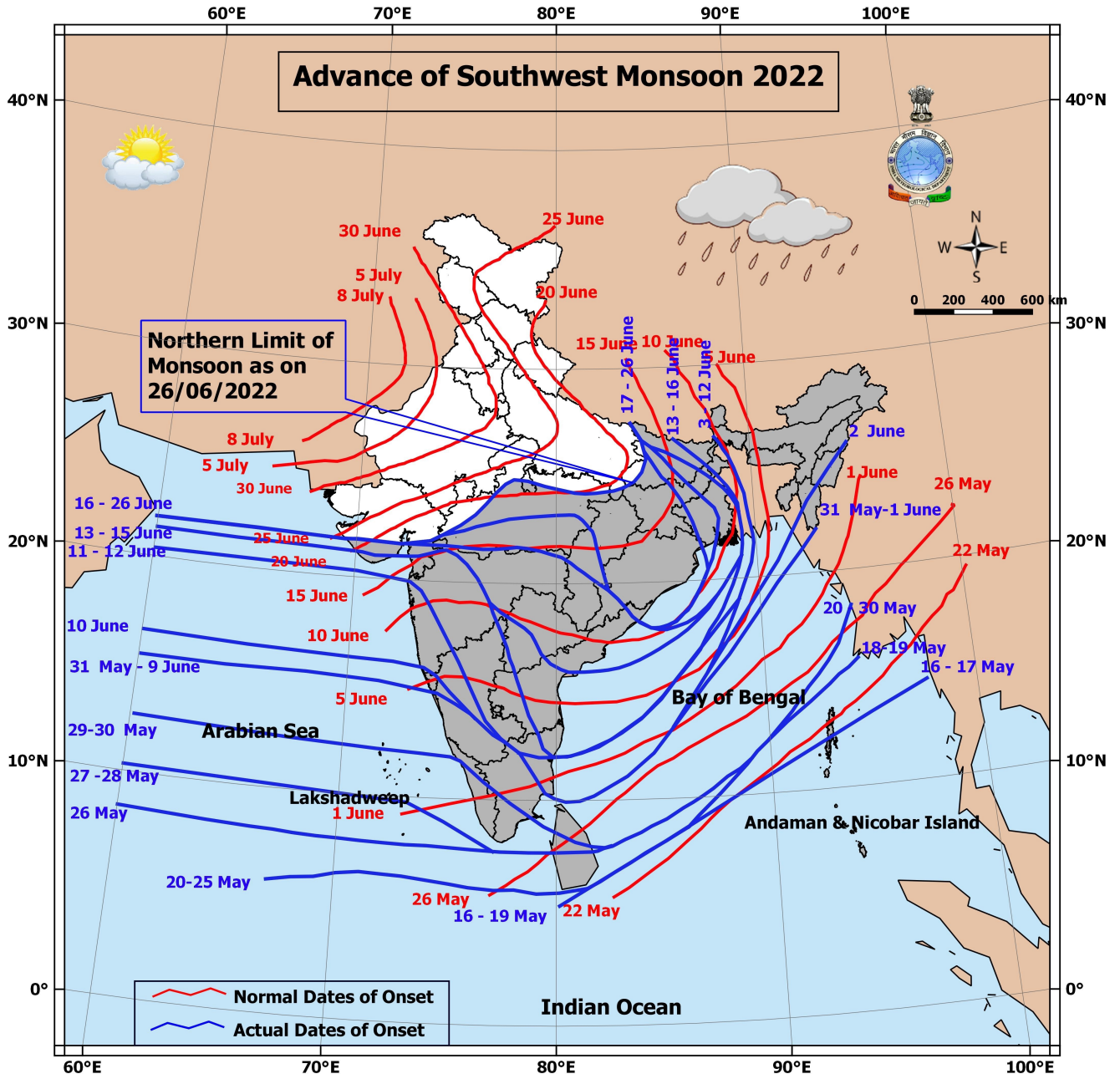
% Stations	Category	% Stations	Category
76-100	Widespread (WS/Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)
No Rain	Dry		

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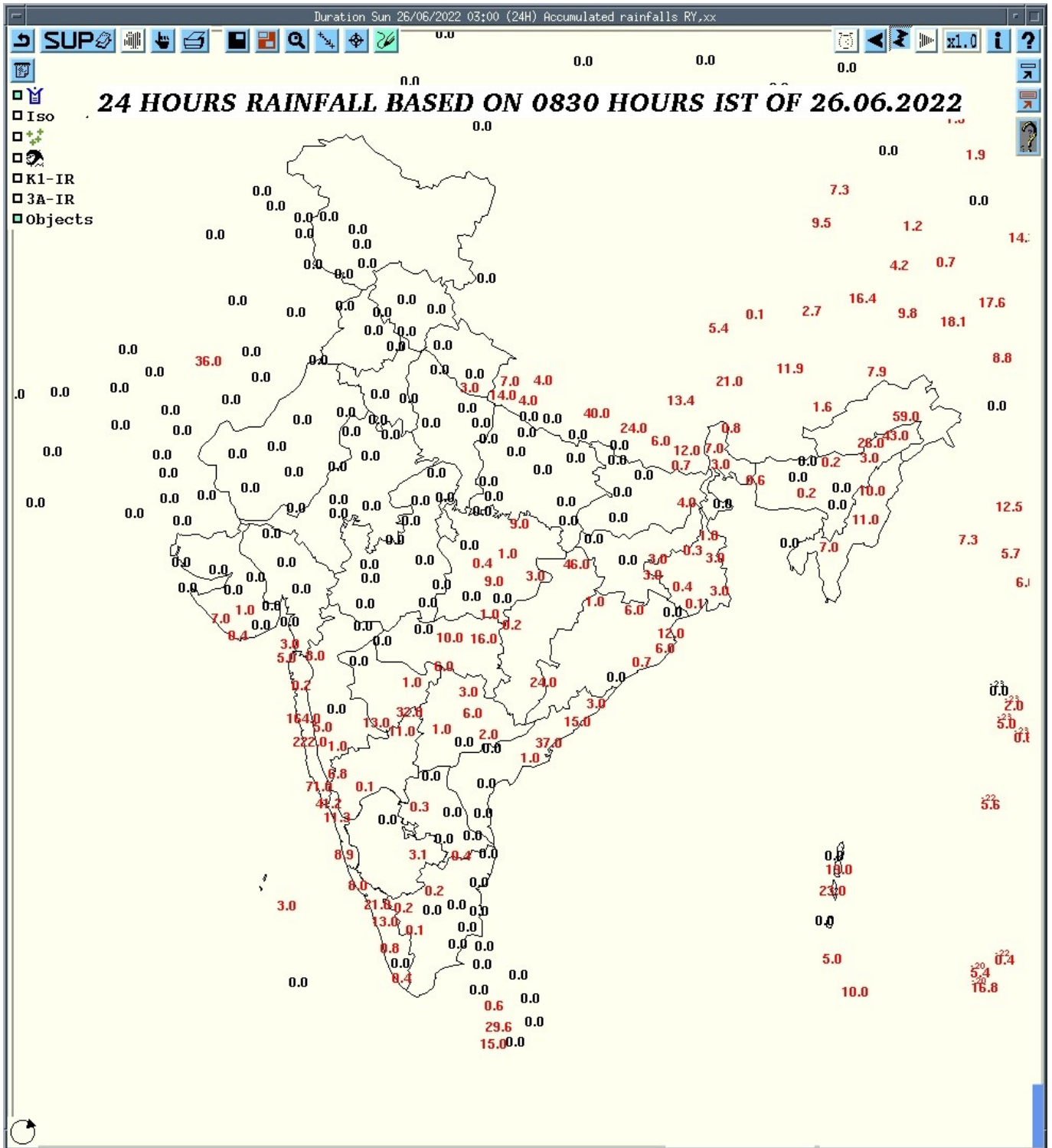
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(As per the Met Act 1975)



Fig. 1: Accumulated Rainfall (mm) during past 24 hours



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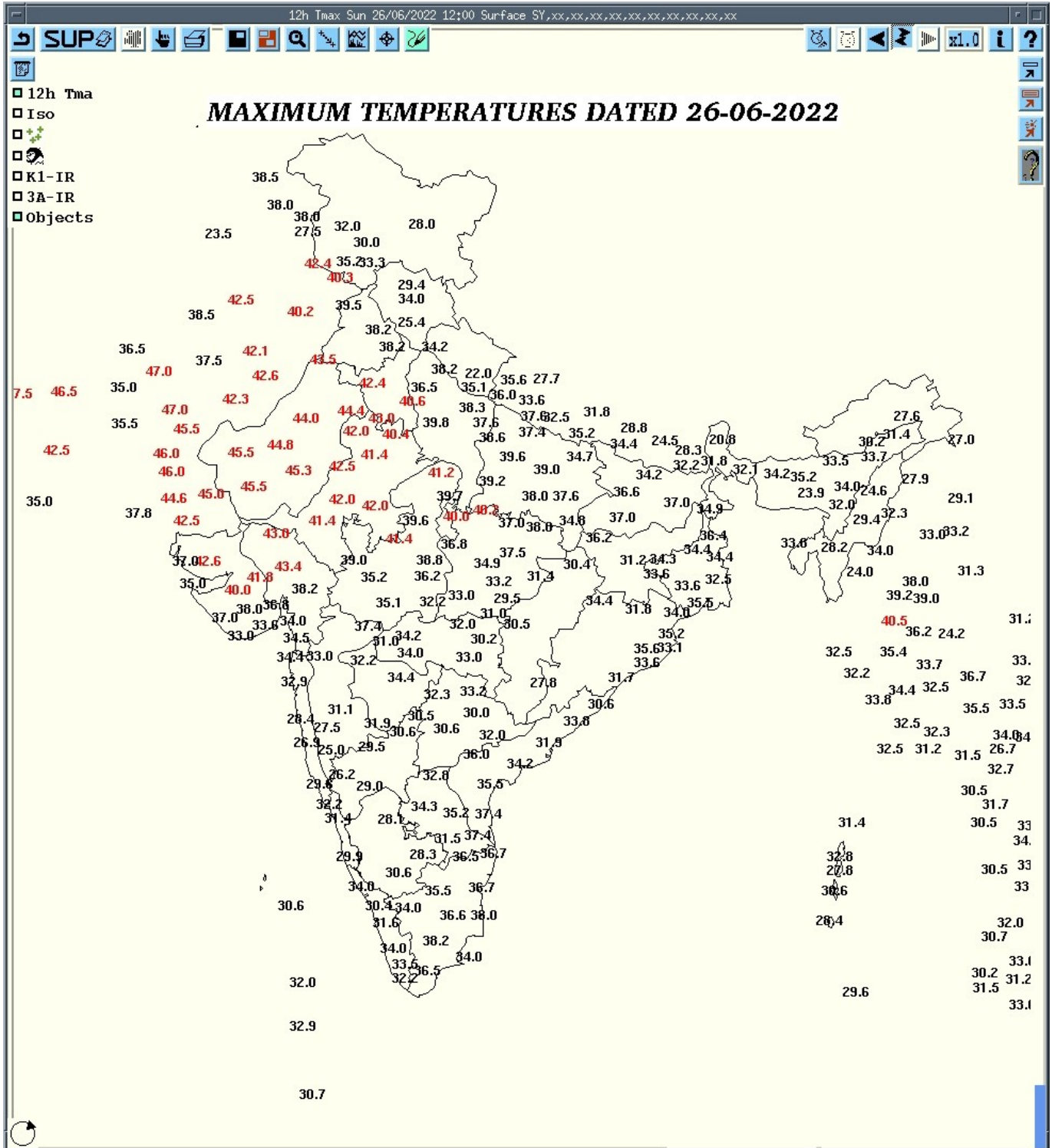
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Fig. 2: Maximum Temperature during past 24 hours



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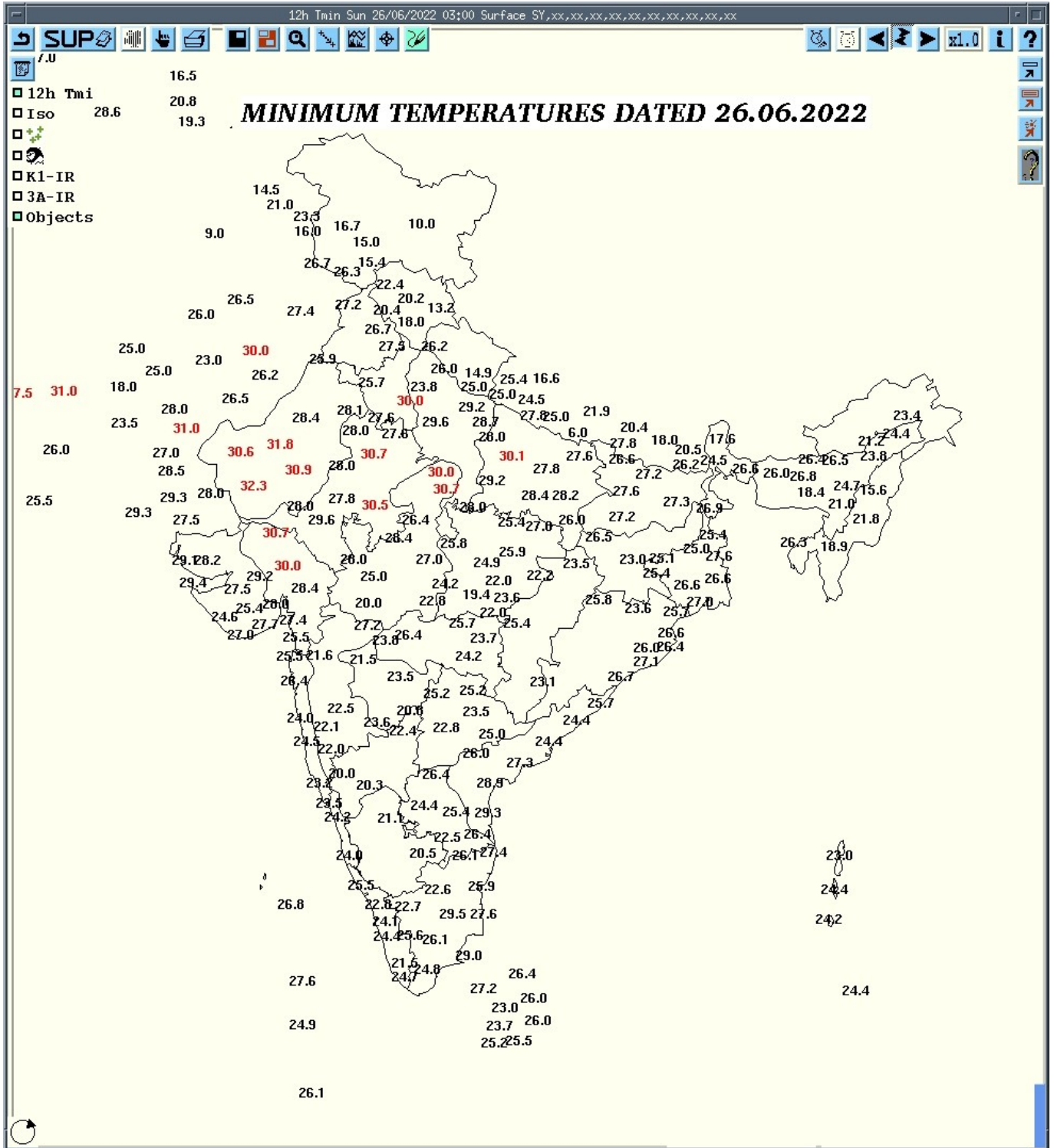
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Fig. 3: Minimum Temperature during past 24 hours



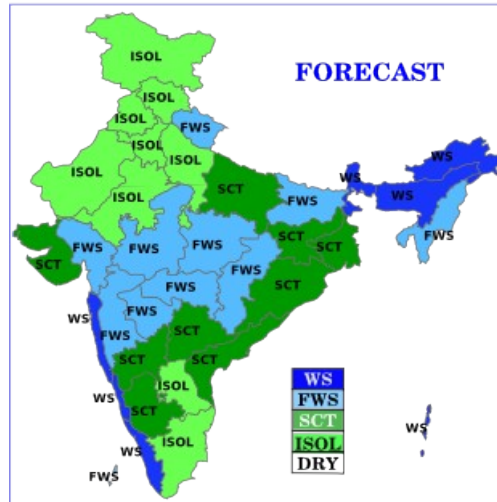
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Monday 27 June 2022



27 June (Day 1): ♦ **Heavy to very heavy rainfall** at isolated places very likely over Konkan & Goa and **heavy rainfall** at isolated places over Uttarakhand, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat State, Madhya Maharashtra, Coastal Karnataka, Coastal Andhra Pradesh & Yanam and Kerala & Mahe.

♦ **Thunderstorm accompanied with lightning & gusty winds** (speed 30-40 kmph) at isolated places very likely over Bihar; **with lightning** at isolated places over Madhya Pradesh, Vidarbha, Chhattisgarh, Jharkhand, Gangetic West Bengal, Odisha, Madhya Maharashtra, Marathawada, Coastal Andhra Pradesh & Yanam, Telangana, Karnataka, Tamilnadu, Puducherry & Karaikal, Kerala & Mahe, Rayalaseema and Lakshadweep.

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

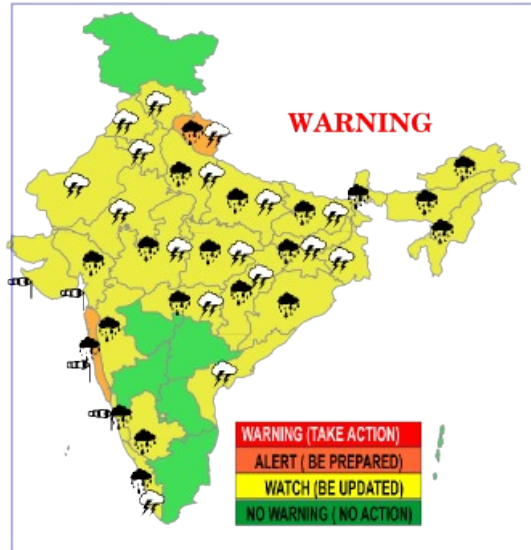
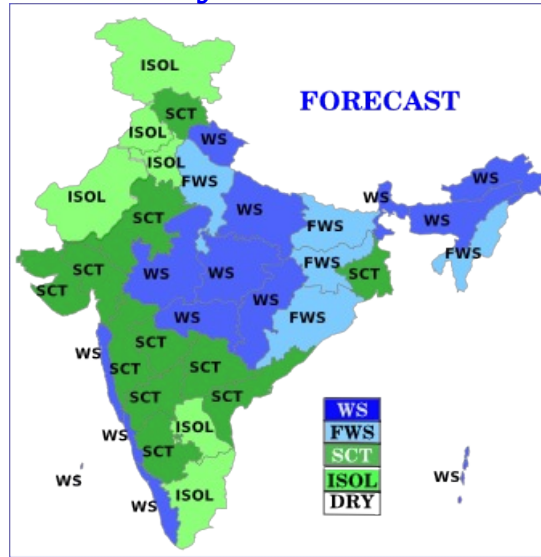
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Tuesday 28 June 2022



28 June (Day 2): ♦ **Heavy to very heavy rainfall** at isolated places very likely over Bihar, Sub-Himalayan West Bengal & Sikkim, Konkan & Goa and **heavy rainfall** at isolated places over Uttarakhand, Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Jharkhand, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat Region, Madhya Maharashtra, Coastal & South Interior Karnataka and Kerala & Mahe.

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

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

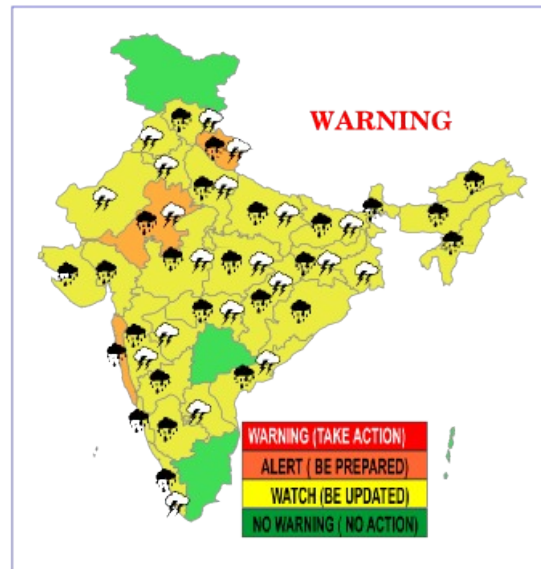
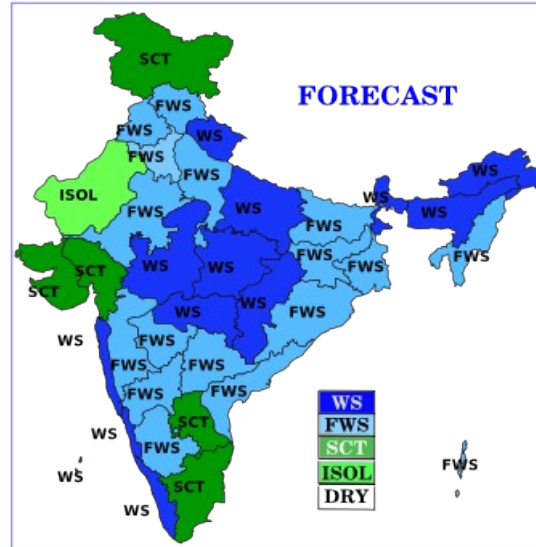
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Wednesday 29 June 2022



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

♦ **Thunderstorm accompanied with lightning & gusty winds** (speed 30-40 kmph) at isolated places very likely over Himachal Pradesh; **with lightning** at isolated places over Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, Gangetic West Bengal, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Rayalaseema and Kerala & Mahe.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) likely over east central Arabian Sea, along and off south Gujarat, Maharashtra, Goa, Karnataka, Kerala coasts. Strong winds of 50-60 kmph gusting to 70 kmph likely over Southwest & Westcentral Arabian Sea and Strong Winds (wind speed 40-50 kmph gusting to 60 kmph) Gulf of Mannar, Comorin Area, Maldives Area and adjoining Southwest Bay of Bengal. Fishermen are advised not to venture into these seas.

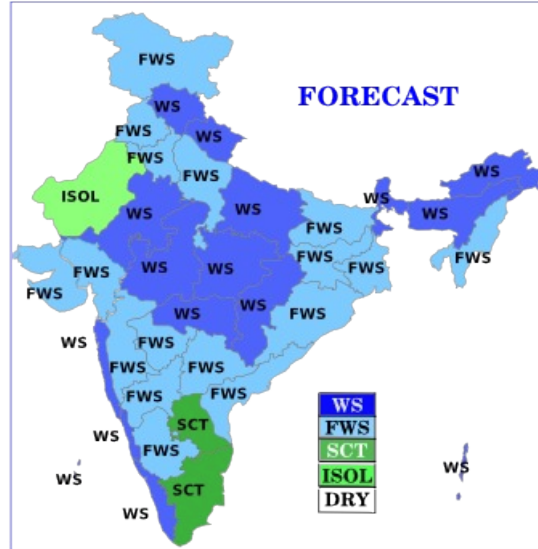
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Thursday 30 June 2022



30 June (Day 4): ♦ **Heavy to very heavy rainfall** at isolated places very likely over Konkan & Goa and Coastal Karnataka and **heavy rainfall** at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Uttar Pradesh, Rajasthan, Madhya Pradesh, Chhattisgarh, Bihar, Sub-Himalayan West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Madhya Maharashtra, Telangana, Interior Karnataka and Kerala & Mahe.

♦ **Thunderstorm accompanied with lightning & gusty winds** (speed 30-40 kmph) at isolated places very likely over Himachal Pradesh; **with lightning** at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, Gangetic West Bengal, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Rayalaseema and Kerala & Mahe.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) likely over east central Arabian Sea, along and off Maharashtra, Goa. Strong winds of 50-60 kmph gusting to 70 kmph likely over Southwest & Westcentral Arabian Sea and Strong Winds (wind speed 40-50 kmph gusting to 60 kmph) Gulf of Mannar, Comorin Area, Maldives Area and adjoining Southwest Bay of Bengal. Fishermen are advised not to venture into these seas.

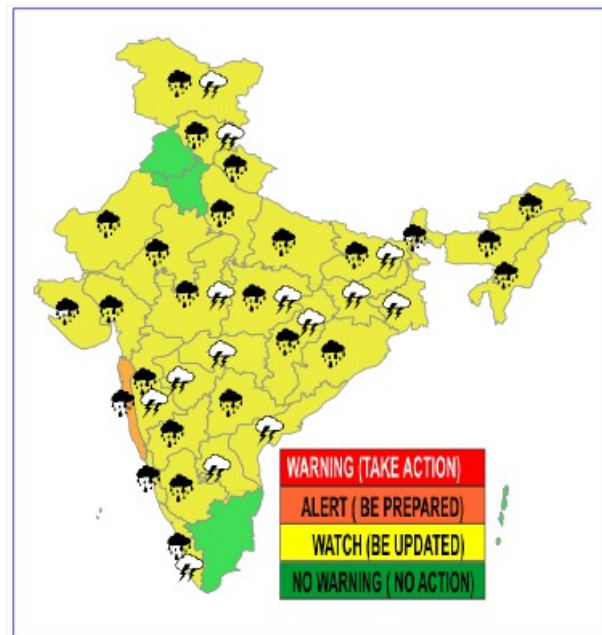
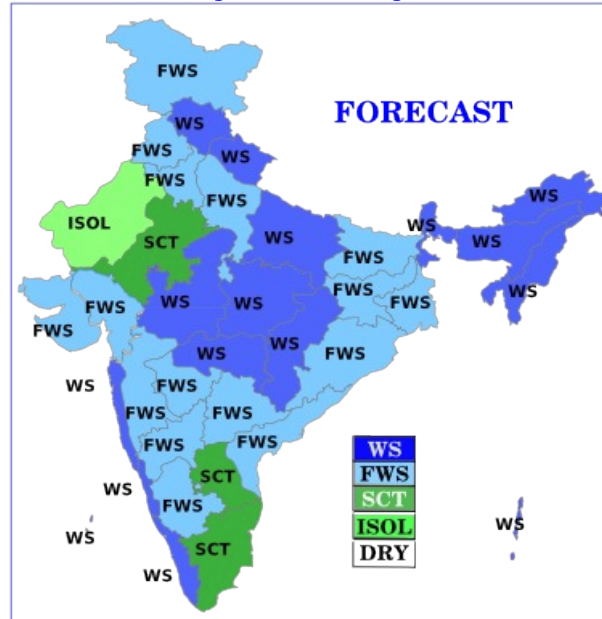
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(Circle as the National flag 487)

Friday 01 July 2022



01 July (Day 5): ♦ **Heavy to very heavy rainfall** at isolated places very likely over Konkan & Goa and Coastal Karnataka and **heavy rainfall** at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Uttar Pradesh, Rajasthan, Madhya Pradesh, Chhattisgarh, Bihar, Sub-Himalayan West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Madhya Maharashtra, Telangana, Interior Karnataka and Kerala & Mahe.

♦ **Thunderstorm accompanied with lightning & gusty winds** (speed 30-40 kmph) at isolated places very likely over Himachal Pradesh; **with lightning** at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, Gangetic West Bengal, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Rayalaseema and Kerala & Mahe.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) likely over east central Arabian Sea, along and off Maharashtra, Goa. Strong winds of 50-60 kmph gusting to 70 kmph likely over Southwest & Westcentral Arabian Sea and Strong Winds (wind speed 40-50 kmph gusting to 60 kmph) Gulf of Mannar, Comorin Area, Maldives Area and adjoining Southwest Bay of Bengal. Fishermen are advised not to venture into these seas.

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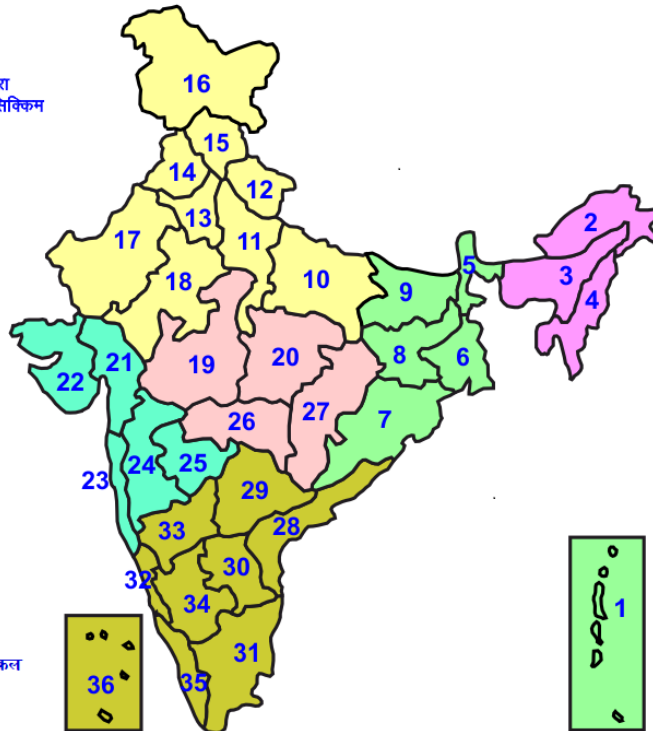
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(Created by the MetInfo team 1877)

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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