



Sunday 06 June 2021

MID-DAY

Time of Issue: 1400 hours IST

## ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

### Significant Weather Features

- ◆ Southwest Monsoon has further advanced into more parts of central Arabian Sea, some more parts of Maharashtra, entire Karnataka, some more parts of Telengana, entire Tamil Nadu, some more parts of Andhra Pradesh, more parts of central Bay of Bengal and northeast Bay of Bengal and thence entire northeastern states of India (Nagaland, Manipur, Mizoram & Tripura, Assam & Meghalaya, Arunachal Pradesh), most parts of Sub-Himalayan West Bengal & Sikkim today, the 06<sup>th</sup> June 2021.
- ◆ The Northern Limit of Monsoon (NLM) passes through lat. 18.0°N/ Long. 65°E, lat. 18.5°N/ Long. 70°E, Alibagh, Pune, Medak, Nalgonda, Rentachintala, Sriharikota, lat. 14°N/ Long. 85.0°E, 16°N/88°E, 20°N/90.5°E and 24.0°N/89.5°E and Bagdogra.
- ◆ Due to strengthening of southwesterly winds and a cyclonic circulation over Sub-Himalayan West Bengal & neighbourhood in lower tropospheric level; fairly widespread to widespread rainfall activity very likely over Northeastern states and adjoining East India during next 4-5 days. Isolated **heavy rainfall** very likely over Arunachal Pradesh on 06th & 08th; over Assam & Meghalaya & Sub-Himalayan West Bengal & Sikkim on 08th & 09h; over Nagaland, Manipur, Mizoram & Tripura on 06th-07th; over Odisha on 08th & 09th; over Gangetic West Bengal on 10th June. Isolated **heavy to very heavy rainfall** also very likely over Assam & Meghalaya & Sub-Himalayan West Bengal & Sikkim on today, the 06th June and over Odisha on 10th June.
- ◆ Under the influence of the off-shore trough at mean sea level from north Maharashtra coast to north Kerala coast and a cyclonic circulation over Konkan & Goa in lower tropospheric levels; scattered to widespread rainfall accompanied with thunderstorm, lightning and gusty winds very likely over parts of south peninsular India and West coast with isolated heavy rainfall today, the 06<sup>th</sup> June 2021.
- ◆ Strong surface winds (25-35 kmph) likely to prevail over plains of Northwest India during 08th-10th June.

### Main Weather Observations

- ◆ **Rain/Thundershowers observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): at **most places** over Kerala & Mahe, Konkan & Goa, Madhya Maharashtra, Marathwada, Sub-Himalayan West Bengal & Sikkim, Coastal Karnataka, Rayalaseema, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura; at **many places** over Andaman & Nicobar Islands, Interior Karnataka, Lakshadweep and Tamilnadu, Puducherry & Karaikal; at **a few places** over Rajasthan, Telangana and Odisha; at **isolated places** over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Punjab, Haryana, Chandigarh & Delhi, Himachal Pradesh, Uttarakhand, Uttar Pradesh, Madhya Pradesh, Gujarat state, Bihar, Gangetic west Bengal, Vidarbha, Chhattisgarh and Coastal Andhra Pradesh.
- ◆ **Rainfall recorded** (from 0830 hours IST of yesterday to 0830 hours IST of today) (3 cm or more): Puddukkottai-19; Tripura, Gangtok-11 each; Shirali, Anantapur-10 each; Manki, Bhatkal, Chikkamangaluru, Cuddapah, Perambalur-9 each; Thane, East Khasi Hills, Rewa, Honavar-8 each; Raigad, Vadgaon (Pune), Agartala, Cuddalore, Tirupathi-7 each; Prakasam, Tezpur-5 each; Betul, Karwar, Kodaikanal, Aminidivi, Cooch Behar-4 each; Pune, Mahabaleshwar, Satara, Vellore, Karipur, Kozhikode, Punalur, Cochin, Tiruchchirpalli, Pet Jorhat-3 each.
- ◆ **Heavy to very heavy rainfall recorded** (from 0830 hours IST of yesterday to 0830 hours IST of today): at isolated places over Tamilnadu, Puducherry & Karaikal and **heavy rainfall** at isolated places over Konkan & Goa, Madhya Maharashtra, East Madhya Pradesh, Coastal & South Interior Karnataka, Rayalaseema, Sikkim, Tripura and Assam & Meghalaya.
- ◆ **Thunderstorm observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): at **many places** over Gangetic west Bengal; at **a few places** over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad; at **isolated places** over Himachal Pradesh, Punjab, Uttarakhand, Rajasthan, Haryana, Chandigarh & Delhi, Saurashtra & Kutch, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, East Madhya Pradesh, Odisha, Konkan & Goa, Madhya Maharashtra, Telangana, Rayalaseema, Coastal Andhra Pradesh & Yanam and Tamilnadu, Puducherry & Karaikal. **Dust Storm** observed in isolated pockets over West Rajasthan. **Hailstorm** observed at isolated places over West Rajasthan and Gangetic West Bengal.
- ◆ **Maximum Temperature Departures as on 05-06-2021:** were **above normal (1.6°C to 3.0°C)** at **many places** over Gangetic West Bengal; at **a few places** over Andaman & Nicobar Islands, Odisha and Sub-Himalayan West Bengal & Sikkim; at **isolated places** over Saurashtra & Kutch. They were **markedly below normal (-5.1°C and more)** at **many places** over Arunachal Pradesh and Madhya Pradesh; **appreciably below normal (-3.1°C to -5.0°C)** at **most places** over Vidarbha; at **many places** over Marathwada and North Interior Karnataka; at **a few places** over Haryana, Chandigarh & Delhi, East Uttar Pradesh, Nagaland, Manipur, Mizoram & Tripura, Assam & Meghalaya, Chhattisgarh, Telangana, Madhya Maharashtra and Tamilnadu, Puducherry & Karaikal; **below normal (-1.6°C to -3.0°C)** at **most places** over Punjab and East Rajasthan, at **many places** over Himachal Pradesh, Gujarat region, West Uttar Pradesh, Lakshadweep, Coastal Karnataka and Coastal Andhra Pradesh & Yanam; at **a few places** over Kerala & Mahe and at **isolated places** over West Rajasthan and near normal over rest parts of the country. **Yesterday**, the highest maximum temperature of 43.4 °C was reported at **Agra (West Uttar Pradesh)** over the country. Madhya Maharashtra.
- ◆ **Minimum Temperature Departures as on 06-06-2021:** Minimum temperatures are **appreciably above normal (3.1°C to 5.0°C)** at isolated places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan, & Muzaffarabad; **above normal (1.6°C to 3.0°C)** at a few places over Andaman & Nicobar Islands; at isolated places over East Uttar Pradesh, Odisha, West Bengal & Sikkim and Lakshadweep. They are **appreciably below normal (-3.1°C to -5.0°C)** at many places over East Rajasthan; at isolated places over Haryana, Chandigarh & Delhi; Rayalaseema, Vidarbha, Coastal Andhra Pradesh & Yanam and East Madhya Pradesh; **below normal (-1.6°C to -3.0°C)** at many places over Konkan & Goa, Rayalaseema; at a few places over West Madhya Pradesh, Marathwada, Telangana, Saurashtra, Arunachal Pradesh, Assam & Meghalaya, Chhattisgarh, Coastal Karnataka; Tamil Nadu, Puducherry & Karaikal; at isolated places over Madhya Maharashtra and West Rajasthan and **near normal** over rest of the country. The lowest minimum temperature of 18.0°C reported at Medak (Telangana) 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 0830 hours IST)

- ◆ Southwest Monsoon has further advanced into more parts of central Arabian Sea, some more parts of Maharashtra, entire Karnataka, some more parts of Telengana, entire Tamil Nadu, some more parts of Andhra Pradesh, more parts of central Bay of Bengal and northeast Bay of Bengal and thence entire northeastern states of India (Nagaland, Manipur, Mizoram & Tripura, Assam & Meghalaya, Arunachal Pradesh), most parts of Sub-Himalayan West Bengal & Sikkim today, the 6<sup>th</sup> June 2021.
- ◆ The Northern Limit of Monsoon (NLM) passes through lat. 18.0°N/ Long. 65°E, lat. 18.5°N/ Long. 70°E, Alibagh, Pune, Medak, Nalgonda, Rentachintala, Sriharikota, lat. 14°N/ Long. 85.0°E, 16°N/88°E, 20°N/90.5°E and 24.0°N/89.5°E and Bagdogra.
- ◆ A cyclonic circulation lies over Southwest Madhya Pradesh & neighbourhood at 3.1 km above mean sea level.
- ◆ The trough from the above cyclonic circulation over Southwest Madhya Pradesh & neighbourhood to north Tamilnadu across Marathawada, Telangana, Rayalaseema at 3.1 km above mean sea level.
- ◆ A cyclonic circulation lies over Konkan & Goa at 0.9 km above mean sea level.
- ◆ A cyclonic circulation lies over Sub-Himalayan West Bengal & neighbourhood and extends upto 1.5 km above mean sea level with a trough aloft between 2.1 km & 3.1 km above mean sea level roughly along Long. 90°E to the north of Lat. 23°N.
- ◆ The cyclonic circulation over Eastcentral Arabian Sea off Karnataka-Goa coasts now lies over Northeast Arabian Sea off south Gujarat coast at 4.5 km above mean sea level.
- ◆ The off-shore trough at mean sea level now runs from north Maharashtra coast to north Kerala coast.
- ◆ The Western Disturbance now seen as a trough between 4.5 km & 7.6 km above mean sea level with its axis at 5.8 km above mean sea level roughly along Long. 76°E to the north of Lat. 25°N.
- ◆ The cyclonic circulation over Haryana and adjoining northwest Rajasthan now lies over northwest Rajasthan and extends upto 0.9 km above mean sea level.
- ◆ The trough from the above cyclonic circulation over Eastcentral Arabian Sea to south Tamilnadu across Karnataka extending upto 0.9 km above mean sea level has become less marked.
- ◆ The cyclonic circulation over Sri Lanka & adjoining Comorin area between 3.1 km & 4.5 km above mean sea level has become less marked.

## Weather Forecast for next 5 days \* upto 0830 hours IST of 11th June, 2021

- ◆ Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- ◆ Maximum temperature likely to rise by 3-5°C over most parts of Northwest India during next 3-4 days.
- ◆ No significant change in maximum temperature over most parts of East India during next 3 days and fall by 2-4°C thereafter.
- ◆ No significant change in maximum temperature over rest parts of the country during next 4-5 days.

## Weather Outlook for subsequent 2 days from 11th June 2021 to 13th June 2021

- ◆ A Low Pressure Area is likely to form over North Bay of Bengal & neighbourhood around 11th June, 2021. Under its Influence, Southwest Monsoon is likely to advance into most parts of Odisha, West Bengal and Jharkhand and some parts of Bihar during subsequent 2 days.
- ◆ Fairly widespread to widespread rainfall/thunderstorms with heavy rainfall at isolated places likely over East & Northeast India, Islands and along West coast.
- ◆ Scattered to fairly widespread rainfall activity likely over parts of Central and Northwest India.
- ◆ Isolated to scattered rainfall/thunderstorms likely over interior parts of Peninsular India and West India.
- ◆ Weather likely to be dry over remaining parts of the country.

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## Weather Warning during next 5 days \*

**06 June (Day 1): ♦ Thunderstorm with lightning & gusty winds** (speed reaching 40-50 kmph) at isolated places very likely over East Rajasthan; **with lightning & gusty winds** (speed reaching 30-40 kmph) at isolated places over Uttarakhand, East Madhya Pradesh and Jharkhand and **with lightning** at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, West Madhya Pradesh, Vidarbha, Chhattisgarh, West Bengal & Sikkim, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Madhya Maharashtra, Marathwada, Konkan & Goa, Telangana, Rayalaseema, Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Thunderstorm/Duststorm with lightning & gusty winds** (speed reaching 30-40 kmph) very likely at isolated places over West Rajasthan.

♦ **Heavy to Very Heavy Rainfall** at isolated places very likely over Sub-Himalayan West Bengal & Sikkim and Assam & Meghalaya and **Heavy Rainfall** at isolated places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Konkan & Goa, Karnataka and Tamil Nadu, Puducherry & Karaikal.

♦ **Strong Winds (speed 40-50 kmph gusting to 60 kmph)** very likely over Southwest & Westcentral Arabian Sea. Fishermen are advised not to venture into these areas.

**07 June (Day 2): ♦ Thunderstorm with lightning & gusty winds** (speed reaching 40-50 kmph) at isolated places very likely over East Rajasthan and Andaman & Nicobar Islands; **with lightning & gusty winds** (speed reaching 30-40 kmph) at isolated places over West Madhya Pradesh and Vidarbha and **with lightning** at isolated places over Uttar Pradesh, Chhattisgarh, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Madhya Maharashtra, Marathwada, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana, Coastal & South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Heavy Rainfall** at isolated places very likely over Andaman & Nicobar Islands, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

♦ **Strong Winds (speed 40-50 kmph gusting to 60 kmph)** very likely over Southwest & Westcentral Arabian Sea. Fishermen are advised not to venture into these areas.

**08 June (Day 3): ♦ Thunderstorm with lightning & gusty winds** (speed reaching 40-50 kmph) at isolated places very likely over Andaman & Nicobar Islands; **with lightning & gusty winds** (speed reaching 30-40 kmph) at isolated places over West Madhya Pradesh, Vidarbha, Chhattisgarh and Bihar and **with lightning** at isolated places over East Rajasthan, Gangetic West Bengal, Odisha, Gujarat state, Coastal Andhra Pradesh & Yanam, Telangana, Coastal & South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Heavy Rainfall** at isolated places very likely over Sub-Himalayan West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya and Kerala & Mahe.

♦ **Strong Winds (speed 40-50 kmph gusting to 60 kmph)** very likely over Southwest & Westcentral Arabian Sea; **(speed 40-50 kmph)** over Northeast Arabian Sea and Southwest, Central Bay of Bengal & Andaman Sea. **Squally Weather (speed reaching 40-50 kmph)** along & off Kerala coast, Lakshadweep area and Gulf of Mannar. Fishermen are advised not to venture into these areas.

**09 June (Day 4): ♦ Thunderstorm with lightning & gusty winds** (speed reaching 40-50 kmph) at isolated places likely over Andaman & Nicobar Islands; **with lightning & gusty winds** (speed reaching 30-40 kmph) at isolated places over East Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand and Gangetic West Bengal and **with lightning** at isolated places over Gujarat state, Coastal Andhra Pradesh & Yanam, Telangana, Coastal & South Interior Karnataka, Kerala & Mahe and Lakshadweep.

♦ **Heavy Rainfall** at isolated places likely over Sub-Himalayan West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Assam & Meghalaya and Kerala & Mahe.

♦ **Strong Winds (speed 40-50 kmph gusting to 60 kmph)** likely over Southwest & Westcentral Arabian Sea; **(speed 40-50 kmph)** over Northeast Arabian Sea along & off south Gujarat coast and North, Central Bay of Bengal & Andaman Sea. **Squally Weather (speed reaching 40-50 kmph)** along & off Kerala coast and Lakshadweep area. Fishermen are advised not to venture into these areas.

**10 June (Day 5): ♦ Thunderstorm with lightning & gusty winds** (speed reaching 40-50 kmph) at isolated places likely over Andaman & Nicobar Islands; **with lightning & gusty winds** (speed reaching 30-40 kmph) at isolated places over Uttarakhand, East Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand and Gangetic West Bengal and **with lightning** at isolated places over Gujarat state, Coastal Andhra Pradesh & Yanam, Telangana, Karnataka, Kerala & Mahe and Lakshadweep.

♦ **Heavy to Very Heavy Rainfall** at isolated places likely over Odisha and **Heavy Rainfall** at isolated places over Chhattisgarh, Gangetic West Bengal, Andaman & Nicobar Islands, Assam & Meghalaya and Konkan & Goa.

♦ **Strong Winds (speed 40-50 kmph gusting to 60 kmph)** likely over Southwest & Westcentral Arabian Sea; **(speed 40-50 kmph)** over Northeast Arabian Sea along & off south Gujarat coast and North, Central Bay of Bengal & Andaman Sea. Fishermen are advised not to venture into these areas.

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 (MID-DAY)**  
**06-June-2021**

Met-Sub-Division	06-Jun Today	07Jun Mon	08Jun Tue	09Jun Wed	10Jun Thu
1. Andaman & Nicobar Islands	FWS	WS	WS	WS	WS
2. Arunachal Pradesh	WS	WS	WS	FWS	FWS
3. Assam & Meghalaya	WS	WS	WS	WS	FWS
4. N. M. M. & T.	WS	WS	WS	WS	FWS
5. S.H. West Bengal & Sikkim	WS	WS	WS	WS	WS
6. Gangetic West Bengal	SCT	ISOL	SCT	FWS	WS
7. Odisha	ISOL	ISOL	SCT	FWS	WS
8. Jharkhand	ISOL	ISOL	ISOL	SCT	SCT
9. Bihar	ISOL	ISOL	ISOL	ISOL	SCT
10. East Uttar Pradesh	ISOL	ISOL	DRY	ISOL	SCT
11. West Uttar Pradesh	ISOL	ISOL	DRY	DRY	ISOL
12. Uttarakhand	SCT	ISOL	DRY	ISOL	ISOL
13. Haryana, Chd & Delhi	ISOL	DRY	DRY	DRY	DRY
14. Punjab	ISOL	DRY	DRY	DRY	DRY
15. Himachal Pradesh	ISOL	DRY	DRY	DRY	DRY
16. J & K and Ladakh	ISOL	DRY	DRY	DRY	DRY
17. West Rajsthan	ISOL	DRY	DRY	DRY	DRY
18. East Rajasthan	ISOL	ISOL	ISOL	DRY	DRY
19. West Madhya Pradesh	SCT	ISOL	ISOL	ISOL	ISOL
20. East Madhya Pradesh	ISOL	ISOL	ISOL	SCT	SCT
21. Gujarat Region	ISOL	ISOL	ISOL	ISOL	ISOL
22. Saurashtra & Kutch	ISOL	ISOL	ISOL	ISOL	ISOL
23. Konkan & Goa	WS	FWS	FWS	FWS	WS
24. Madhya Maharashtra	FWS	SCT	ISOL	ISOL	ISOL
25. Marathawada	FWS	SCT	ISOL	ISOL	SCT
26. Vidharbha	ISOL	SCT	SCT	SCT	SCT
27. Chhattisgarh	ISOL	SCT	SCT	FWS	FWS
28. Coastal A. P. & Yanam	ISOL	SCT	ISOL	SCT	FWS
29. Telangana	SCT	SCT	ISOL	ISOL	SCT
30. Rayalaseema	SCT	ISOL	ISOL	ISOL	ISOL
31. T.N.,Puducherry & Karaikal	SCT	ISOL	ISOL	ISOL	ISOL
32. Coastal Karnataka	WS	FWS	FWS	FWS	WS
33. North Interior Karnataka	FWS	ISOL	ISOL	ISOL	ISOL
34. South Interior Karnataka	FWS	SCT	SCT	SCT	FWS
35. Kerala & Mahe	FWS	FWS	WS	WS	FWS
36. Lakshadweep	FWS	FWS	WS	WS	FWS

**% 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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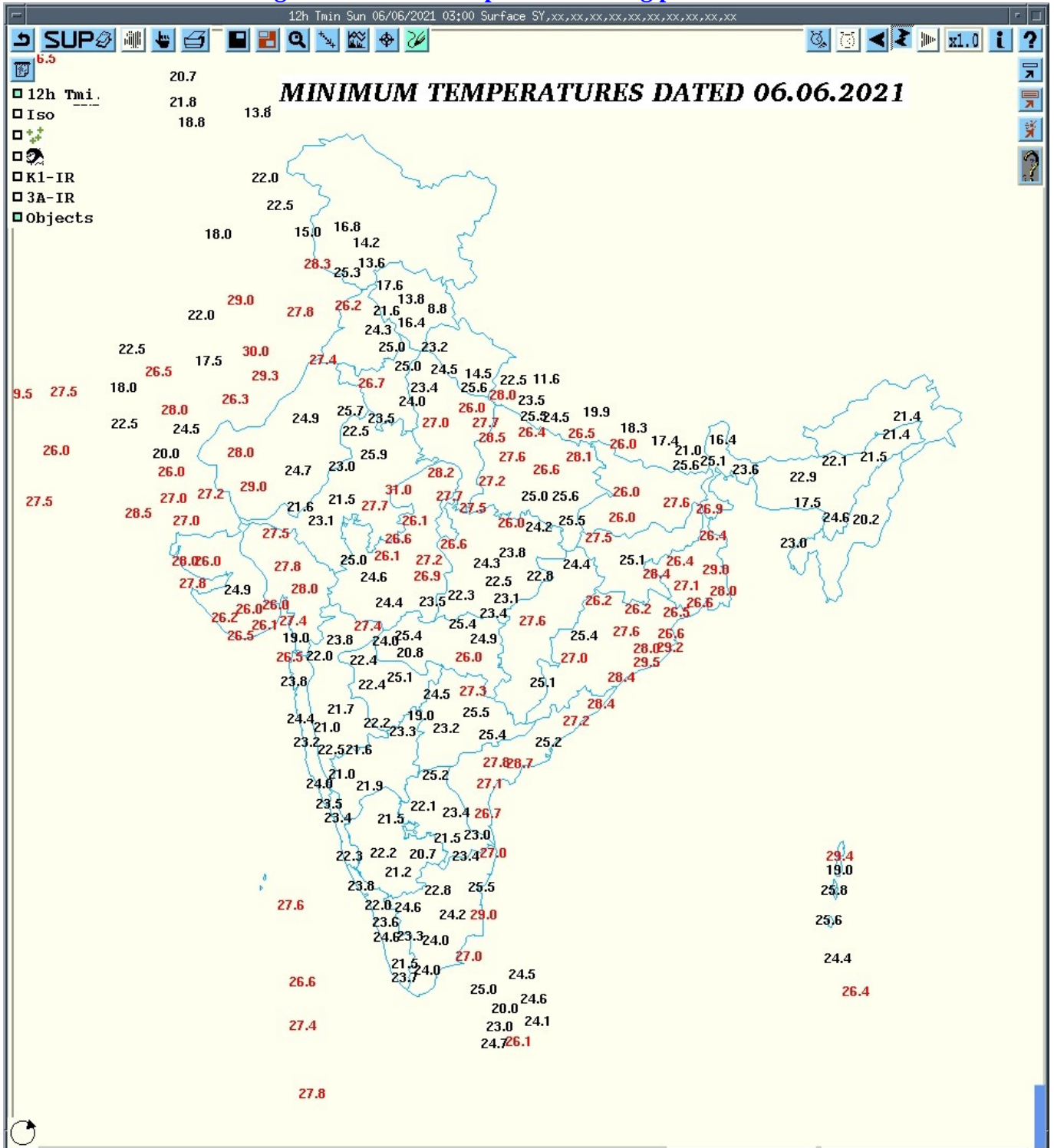








Fig. 3: Minimum Temperature during past 24 hours



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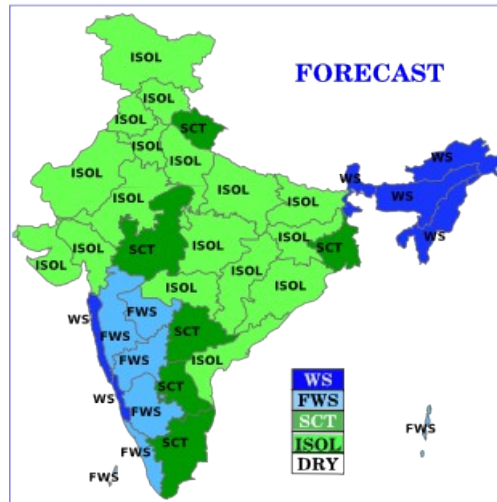
(Created by the MetInfo class 1975)







## Sunday 06 June 2021



**06 June (Day 1): ♦ Thunderstorm with lightning & gusty winds** (speed reaching 40-50 kmph) at isolated places very likely over East Rajasthan; **with lightning & gusty winds** (speed reaching 30-40 kmph) at isolated places over Uttarakhand, East Madhya Pradesh and Jharkhand and **with lightning** at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, West Madhya Pradesh, Vidarbha, Chhattisgarh, West Bengal & Sikkim, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Madhya Maharashtra, Marathwada, Konkan & Goa, Telangana, Rayalaseema, Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Thunderstorm/Duststorm with lightning & gusty winds** (speed reaching 30-40 kmph) very likely at isolated places over West Rajasthan.

♦ **Heavy to Very Heavy Rainfall** at isolated places very likely over Sub-Himalayan West Bengal & Sikkim and Assam & Meghalaya and **Heavy Rainfall** at isolated places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Konkan & Goa, Karnataka and Tamil Nadu, Puducherry & Karaikal.

♦ **Strong Winds (speed 40-50 kmph gusting to 60 kmph)** very likely over Southwest & Westcentral Arabian Sea. Fishermen are advised not to venture into these areas.

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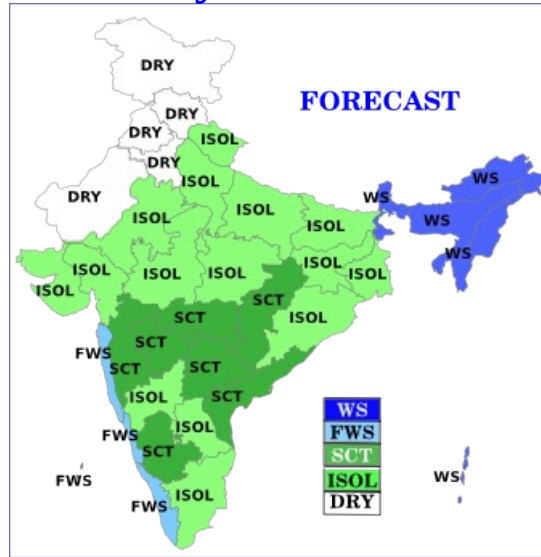
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## Monday 07 June 2021



**07 June (Day 2):** ♦ **Thunderstorm with lightning & gusty winds** (speed reaching 40-50 kmph) at isolated places very likely over East Rajasthan and Andaman & Nicobar Islands; **with lightning & gusty winds** (speed reaching 30-40 kmph) at isolated places over West Madhya Pradesh and Vidarbha and **with lightning** at isolated places over Uttar Pradesh, Chhattisgarh, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Madhya Maharashtra, Marathwada, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana, Coastal & South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Heavy Rainfall** at isolated places very likely over Andaman & Nicobar Islands, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

♦ **Strong Winds** (speed 40-50 kmph gusting to 60 kmph) very likely over Southwest & Westcentral Arabian Sea. Fishermen are advised not to venture into these areas.

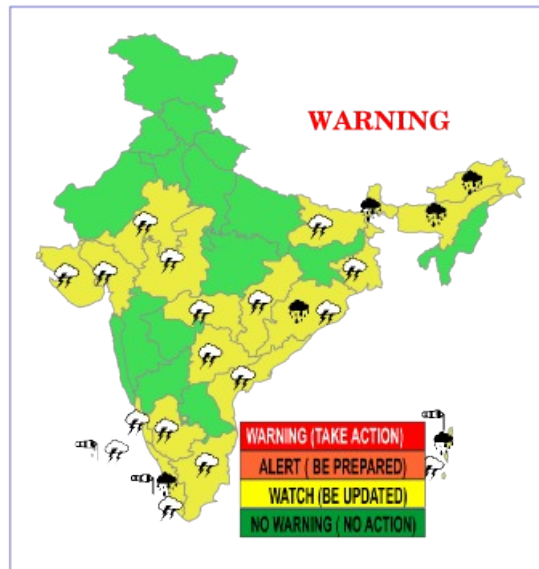
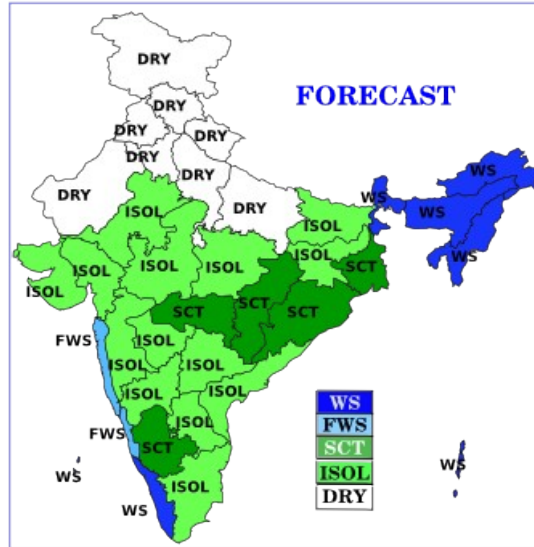
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## Tuesday 08 June 2021



**08 June (Day 3):** ♦ **Thunderstorm with lightning & gusty winds** (speed reaching 40-50 kmph) at isolated places very likely over Andaman & Nicobar Islands; **with lightning & gusty winds** (speed reaching 30-40 kmph) at isolated places over West Madhya Pradesh, Vidarbha, Chhattisgarh and Bihar and **with lightning** at isolated places over East Rajasthan, Gangetic West Bengal, Odisha, Gujarat state, Coastal Andhra Pradesh & Yanam, Telangana, Coastal & South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Heavy Rainfall** at isolated places very likely over Sub-Himalayan West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya and Kerala & Mahe.

♦ **Strong Winds (speed 40-50 kmph gusting to 60 kmph)** very likely over Southwest & Westcentral Arabian Sea; **(speed 40-50 kmph)** over Northeast Arabian Sea and Southwest, Central Bay of Bengal & Andaman Sea. **Squally Weather (speed reaching 40-50 kmph)** along & off Kerala coast, Lakshadweep area and Gulf of Mannar. Fishermen are advised not to venture into these areas.

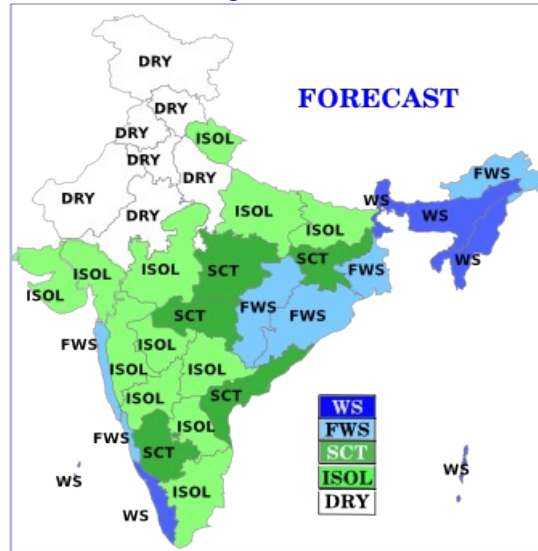
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## Wednesday 09 June 2021



**09 June (Day 4):** ♦ **Thunderstorm with lightning & gusty winds** (speed reaching 40-50 kmph) at isolated places likely over Andaman & Nicobar Islands; **with lightning & gusty winds** (speed reaching 30-40 kmph) at isolated places over East Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand and Gangetic West Bengal and **with lightning** at isolated places over Gujarat state, Coastal Andhra Pradesh & Yanam, Telangana, Coastal & South Interior Karnataka, Kerala & Mahe and Lakshadweep.

♦ **Heavy Rainfall** at isolated places likely over Sub-Himalayan West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Assam & Meghalaya and Kerala & Mahe.

♦ **Strong Winds** (speed 40-50 kmph gusting to 60 kmph) likely over Southwest & Westcentral Arabian Sea; (speed 40-50 kmph) over Northeast Arabian Sea along & off south Gujarat coast and North, Central Bay of Bengal & Andaman Sea. **Squally Weather** (speed reaching 40-50 kmph) along & off Kerala coast and Lakshadweep area. Fishermen are advised not to venture into these areas.

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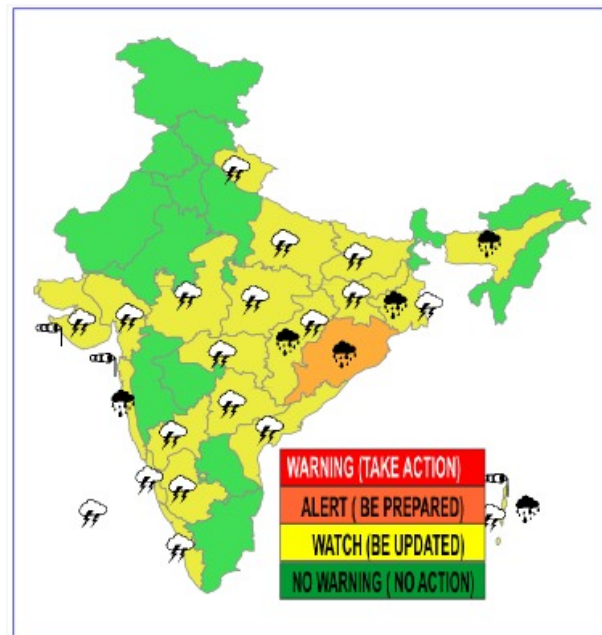
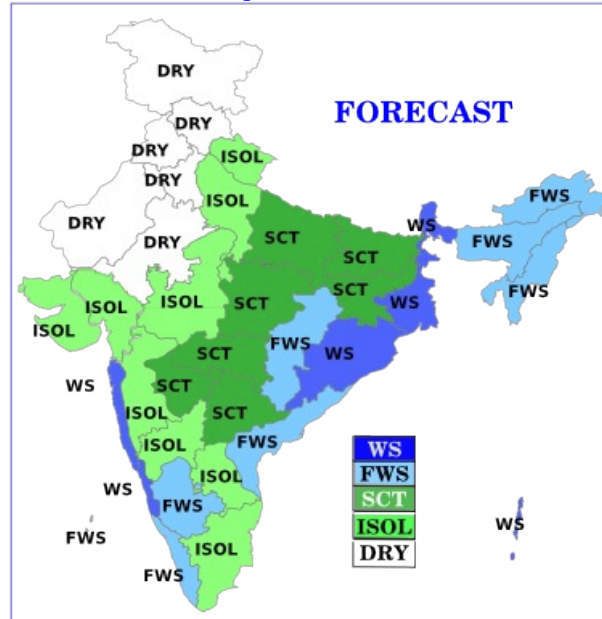
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## Thursday 10 June 2021



**10 June (Day 5):** ♦ **Thunderstorm with lightning & gusty winds** (speed reaching 40-50 kmph) at isolated places likely over Andaman & Nicobar Islands; **with lightning & gusty winds** (speed reaching 30-40 kmph) at isolated places over Uttarakhand, East Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand and Gangetic West Bengal and **with lightning** at isolated places over Gujarat state, Coastal Andhra Pradesh & Yanam, Telangana, Karnataka, Kerala & Mahe and Lakshadweep.

♦ **Heavy to Very Heavy Rainfall** at isolated places likely over Odisha and **Heavy Rainfall** at isolated places over Chhattisgarh, Gangetic West Bengal, Andaman & Nicobar Islands, Assam & Meghalaya and Konkan & Goa.

♦ **Strong Winds (speed 40-50 kmph gusting to 60 kmph)** likely over Southwest & Westcentral Arabian Sea; **(speed 40-50 kmph)** over Northeast Arabian Sea along & off south Gujarat coast and North, Central Bay of Bengal & Andaman Sea. Fishermen are advised not to venture into these areas.

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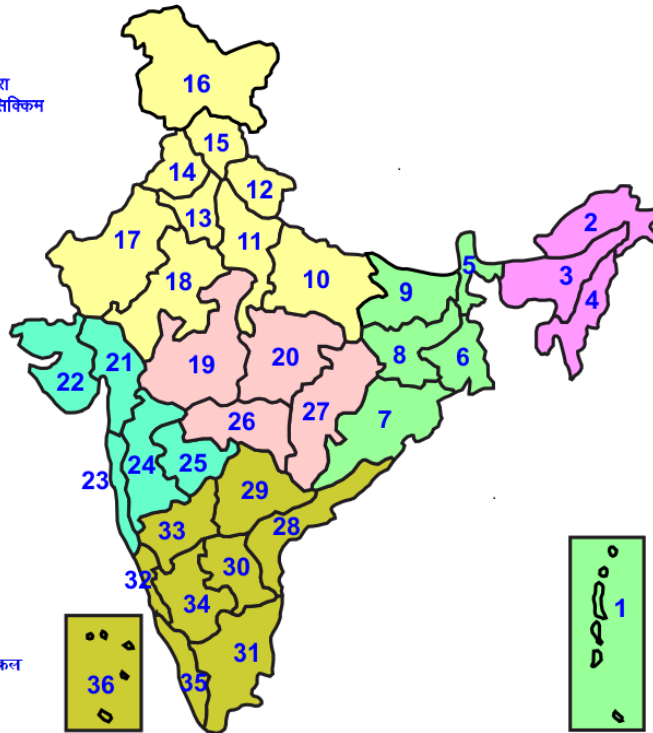
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## LEGENDS

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

<b>WARNING (TAKE ACTION)</b>
<b>ALERT ( BE PREPARED)</b>
<b>WATCH (BE UPDATED)</b>
<b>NO WARNING ( NO ACTION)</b>

## 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  $4.5^{\circ}\text{C}$  to  $6.4^{\circ}\text{C}$ .

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  $40^{\circ}\text{C}$

Warm Night: When minimum temperature departure  $4.5^{\circ}\text{C}$  to  $6.4^{\circ}\text{C}$ .

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  $-4.5^{\circ}\text{C}$  to  $-6.4^{\circ}\text{C}$ .

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  $-4.5^{\circ}\text{C}$  to  $-6.4^{\circ}\text{C}$ .

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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