



Tuesday 21 June 2022

NIGHT

Time of Issue: 2145 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 off shore trough & strong westerly winds along the west coast in lower tropospheric levels:

o Fairly widespread/ widespread rainfall with thunderstorm/lightning very likely over Karnataka, Konkan & Goa, Kerala & Mahe and Lakshadweep and scattered to fairly widespread rainfall likely over Madhya Maharashtra, Marathwada, Andhra Pradesh & Yanam, Telangana and Tamilnadu, Puducherry & Karaikal during next 5 days.

o Isolated **heavy rainfall** very likely over Konkan & Goa, Coastal & South Interior Karnataka and Gujarat Region during next 5 days; ghat areas of Madhya Maharashtra during 22nd-25th; Kerala on 21st, 24th & 25th; North Interior Karnataka during 23rd-25th; Saurashtra on 25th, Coastal Andhra Pradesh & Telangana during 21st & 22nd June, 2022. Isolated **Very heavy rainfall** also likely over Konkan & Goa during next 5 days; over coastal Karnataka during 21st-24th June.

◆ **Under the influence of Western Disturbance at middle tropospheric levels and strong southwesterly winds from Arabian Sea to northwest India at lower tropospheric levels:**

o Fairly widespread to widespread rainfall with thunderstorm/lightning very likely to continue over Western Himalayan region (Jammu, Kashmir, Ladakh, Gilgit- Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand); scattered to fairly widespread rainfall over adjoining plains (Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh & Rajasthan) during next 24 hours and reduce thereafter.

o Isolated **heavy rainfall** likely over northwest Rajasthan, Jammu & Kashmir, Himachal Pradesh & Punjab on 21st June. Isolated hailstorm also likely over Uttarakhand today.

o Scattered to fairly widespread rainfall with thunderstorm/lightning very likely over Madhya Pradesh, Vidarbha and Chhattisgarh during next 5 days. Isolated **heavy rainfall** very likely over West Madhya Pradesh on 21st; East Madhya Pradesh, Vidarbha & Chhattisgarh during 21st-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 to continue over Assam & Meghalaya and Sub-Himalayan West Bengal & Sikkim during next 5 days and over Arunachal Pradesh & Nagaland, Manipur, Mizoram & Tripura during 23rd-25th June.

o Fairly widespread to widespread rainfall with thunderstorm/lightning very likely to continue over Bihar, Jharkhand, Odisha and Gangetic West Bengal during next 5 days. Isolated **heavy rainfall** likely over Gangetic West Bengal on 21st, Bihar & Jharkhand during 23rd-25th and over Odisha during 21st-25th June, 2022.

Main Weather Observations

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

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798

(Circle as the National Alert 1077)



◆ **Rainfall/thundershower observed (from 0830-1730 hours IST of today):** at most places over Jammu & Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Konkan & Goa, Coastal Karnataka; at many places over Jharkhand, Interior Karnataka; at a few places over Uttarakhand, West Madhya Pradesh, East Uttar Pradesh, Madhya Maharashtra, Vidarbha, Lakshadweep, Andaman & Nicobar Islands and at isolated places over Punjab, Rajasthan, Delhi, West Uttar Pradesh, East Madhya Pradesh, Odisha, Coastal Andhra Pradesh & Yanam, Kerala & Mahe, Tamilnadu, Puducherry & Karaikal, Telangana, Chhattisgarh, Assam & Meghalaya.

◆ Today, **Very Heavy rainfall** occurred at isolated places over Coastal Karnataka and **Heavy rainfall** at isolated places over Jharkhand.

◆ **Chief amount of Rainfall observed (from 0830-1730 hours IST of today) (3 cm or more):** Karwar-15; Jamshedpur-7; Shirali-6; Sholapur-5; Khandwa-4; Mangalore, Amraoli, Bahraich, Ranchi-3 each.

◆ **Thunderstorm observed (from 0830-1730 hours IST of today):** at isolated places over Punjab, Coastal Andhra Pradesh & Yanam, Haryana, Chandigarh & Delhi, Uttarakhand, Madhya Pradesh, Rajasthan, West Madhya Pradesh, Gangetic West Bengal, Madhya Maharashtra, Tamilnadu, Puducherry & Karaikal, East Uttar Pradesh, Vidarbha, Jharkhand, Odisha, Telangana, Coastal Karnataka.

◆ **Maximum Temperature Departures (as on 21-06-2022):** Maximum temperatures are **above normal (1.6°C to 3.0°C)** at many places over Gangetic West Bengal; at a few places over Gujarat state and Kerala & Mahe. They are **markedly below normal (-5.1°C or less)** at most places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad and Punjab; at many places over Himachal Pradesh and Rajasthan; at a few places over Uttarakhand, Haryana, Chandigarh & Delhi and Coastal Andhra Pradesh & Yanam; **appreciably below normal (-3.1°C to -5.0°C)** at a few places over Coastal Karnataka and at isolated places over East Madhya Pradesh, Vidarbha, Telangana; **below normal (-1.6°C to -3.0°C)** at most places over Konkan & Goa, Andhra Pradesh & Yanam; at many places over West Uttar Pradesh, Tamilnadu, Puducherry & Karaikal, Chhattisgarh; at a few places over East Uttar Pradesh, Sub-Himalayan West Bengal & Sikkim, Madhya Maharashtra, Interior Karnataka and Odisha and **near normal** over rest parts of the country. **Today**, the highest maximum temperature of **41.7°C** is reported at **Fatehgarh (Uttar Pradesh)**.

◆ **Minimum Temperature Departures (as on 21-06-2022):** Minimum temperatures are **above normal (1.6°C to 3.0°C)** at isolated places over Gujarat state and West Bengal & Sikkim. They are **markedly below normal (-5.1°C or less)** at a few places over Rajasthan and at isolated places over Himachal Pradesh and East Madhya Pradesh; **appreciably below normal (-3.1°C to -5.0°C)** at a few places over Jammu & Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Punjab and Haryana, Chandigarh & Delhi and at isolated places over West Madhya Pradesh, Telangana and Coastal Andhra Pradesh & Yanam; **below normal (-1.6°C to -3.0°C)** at most places over Uttarakhand and Konkan & Goa; at a few places over Vidarbha, Odisha and Bihar and at isolated places over Uttar Pradesh, Gangetic West Bengal, Assam & Meghalaya and Tamilnadu, Puducherry & Karaikal and **near normal** over rest parts of the country. Today, the **lowest minimum** temperature of **18.0°C** reported at **Sikar (East Rajasthan)** over the plains of the country.

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

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798

(Circle as the National Alert 1077)

Meteorological Analysis (Based on 1730 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 east-west trough at mean sea level from south Haryana to northeast Bay of Bengal across Uttar Pradesh, Bihar and Gangetic West Bengal persists.
- ◆ The Western Disturbance as a cyclonic circulation over Jammu & neighbourhood between 3.1 km & 5.8 km above mean sea level persists.
- ◆ The induced cyclonic circulation over northwest Rajasthan & neighbourhood extending upto 1.5 km above mean sea level persists.
- ◆ The cyclonic circulation over East Uttar Pradesh & neighbourhood at 0.9 km above mean sea level persists.
- ◆ The off-shore trough at mean sea level from south Gujarat coast to north Kerala coast persists.

Weather Forecast for next 5 days * upto 0830 hours IST of 26th June, 2022

- ◆ Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- ◆ No significant change in maximum temperatures very likely over most parts of Northwest India during next 24 hours and rise by 2-3°C 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 26th June-28th 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.
- ◆ Dry weather likely to prevail over rest parts of the country.

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

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798

(Circle to the Nation since 1975)



Weather Warning during next 5 days *

21 June (Day 1): ♦ **Heavy to very heavy rainfall with extremely heavy falls** at isolated places very likely over Coastal Karnataka; **Heavy to very heavy rainfall** at isolated places over Sub-Himalayan West Bengal & Sikkim, Konkan & Goa, Coastal Andhra Pradesh & Yanam and **heavy rainfall** at isolated places over Jammu & Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Punjab, northwest Rajasthan, Madhya Pradesh, Marathwada, Vidarbha, Chhattisgarh, Gangetic West Bengal, Odisha, Assam & Meghalaya, Gujarat Region, Telangana, Rayalaseema, South Interior Karnataka, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Thunderstorm accompanied with lightning & hail** at isolated places very likely over Uttarakhand and **with lightning** at isolated places over Jammu & Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Madhya Maharashtra, Marathwada, Assam & Meghalaya, Nagaland, Manipur, Mizoram, Tripura, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana, Karnataka, Tamilnadu, Puducherry & Karaikal, Kerala & Mahe, Lakshadweep.

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

22 June (Day 2): ♦ **Heavy to very heavy rainfall** at isolated places very likely over Konkan & Goa and Coastal Karnataka and **heavy rainfall** at isolated places over East Madhya Pradesh, Vidarbha, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Odisha, Assam & Meghalaya, Gujarat Region, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Telangana and South Interior Karnataka.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Jammu & Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, East Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Marathwada, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram, Tripura, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, 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, Lakshadweep area. **Strong winds** of 50-60 kmph gusting to 70 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea, 40-50 kmph gusting to 60 kmph likely over north Gujarat and adjoining north east Arabian Sea, Comorin area, Gulf of Mannar. Fishermen are advised not to venture into these seas.

23 June (Day 3): ♦ **Heavy to very heavy rainfall** at isolated places very likely over Konkan & Goa and Coastal Karnataka and **heavy rainfall** at isolated places over East Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram, Tripura, Madhya Maharashtra and Interior Karnataka.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Coastal Andhra Pradesh & Yanam, Telangana, Karnataka, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over along and off Maharashtra, Goa coasts, 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.

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

♦ **Thunderstorm accompanied with lightning** at isolated places likely over northeast Uttar Pradesh, Coastal Andhra Pradesh & Yanam, Karnataka, 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 Maharashtra, Goa, Karnataka, Kerala coasts, 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 5): ♦ **Heavy to very heavy rainfall** at isolated places likely over Sub-Himalayan West Bengal & Sikkim, Gujarat Region and Konkan & Goa and **heavy rainfall** at isolated places over East Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, Odisha, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram, Tripura, Saurashtra & Kutch, Madhya Maharashtra, Kerala & Mahe and Karnataka.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over northeast Uttar Pradesh, Coastal Andhra Pradesh & Yanam, Karnataka, 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 Maharashtra, Goa, Karnataka, Kerala coasts, 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.

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.

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

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798

(Copies of the National News 1877)



Table-1
5 Day Rainfall Forecast (NIGHT)
21-June-2022

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

% Station Reporting Rainfall

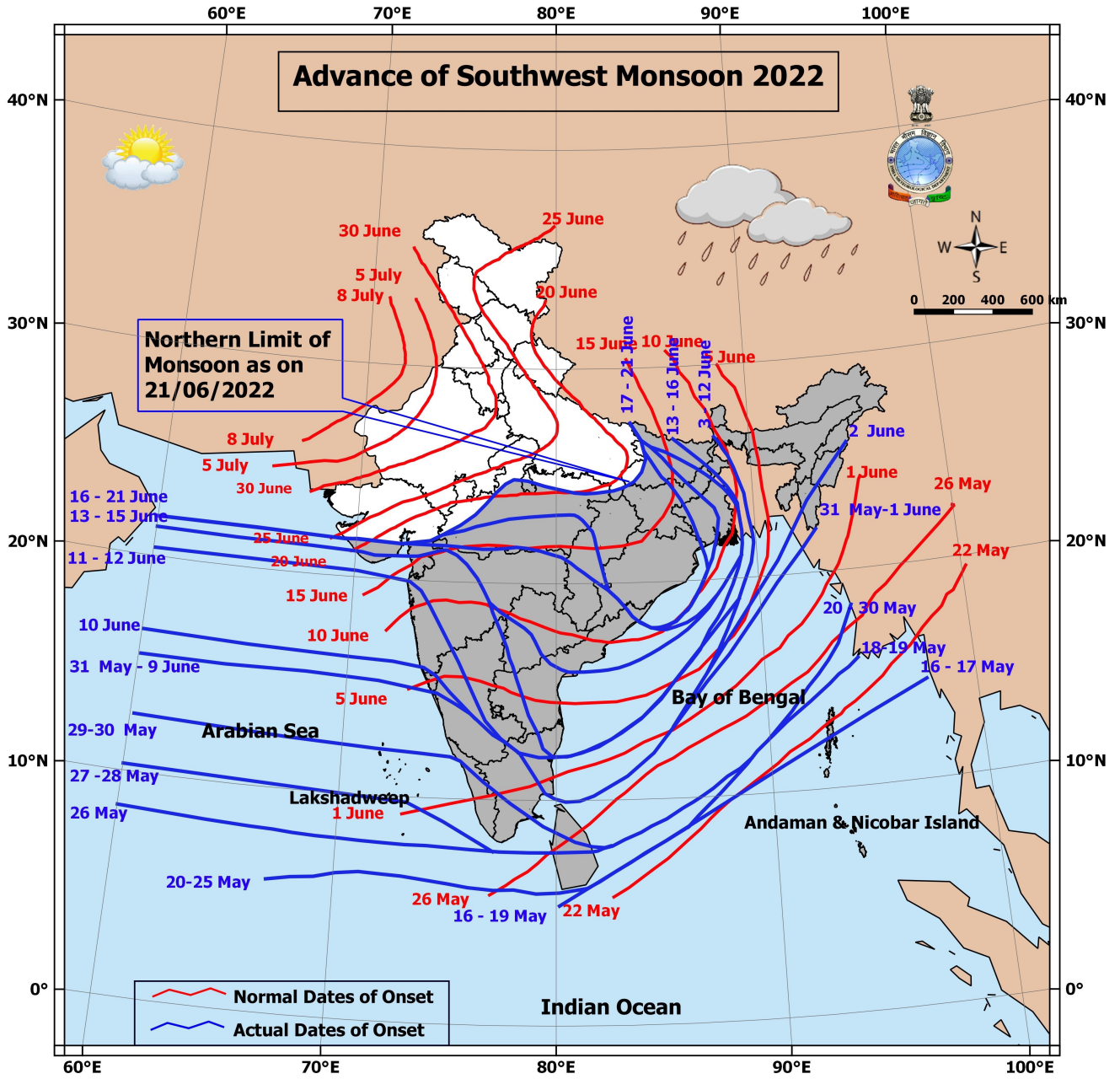
| % Stations | Category | % Stations | Category |
|------------|--------------------------------------|------------|-------------------------------|
| 76-100 | Widespread (WS/Most Places) | 26-50 | Scattered (SCT/ A Few Places) |
| 51-75 | Fairly Widespread (FWS/ Many Places) | 1-25 | Isolated (ISOL)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

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

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798

(Circle as the Station type (SCT))



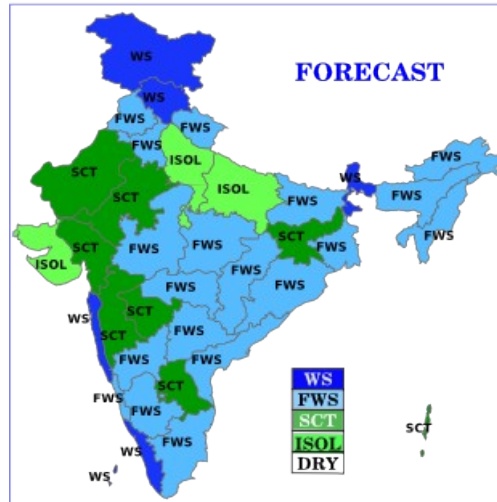
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798

(Created by the Met Office (2022))

Tuesday 21 June 2022



21 June (Day 1): ♦ **Heavy to very heavy rainfall with extremely heavy falls** at isolated places very likely over Coastal Karnataka; **Heavy to very heavy rainfall** at isolated places over Sub-Himalayan West Bengal & Sikkim, Konkan & Goa, Coastal Andhra Pradesh & Yanam and **heavy rainfall** at isolated places over Jammu & Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Punjab, northwest Rajasthan, Madhya Pradesh, Marathwada, Vidarbha, Chhattisgarh, Gangetic West Bengal, Odisha, Assam & Meghalaya, Gujarat Region, Telangana, Rayalaseema, South Interior Karnataka, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Thunderstorm accompanied with lightning & hail** at isolated places very likely over Uttarakhand and **with lightning** at isolated places over Jammu & Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Madhya Maharashtra, Marathwada, Assam & Meghalaya, Nagaland, Manipur, Mizoram, Tripura, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana, Karnataka, Tamilnadu, Puducherry & Karaikal, Kerala & Mahe, Lakshadweep.

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

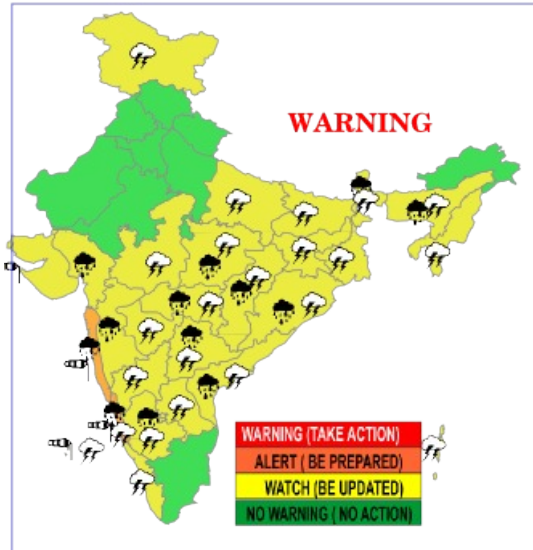
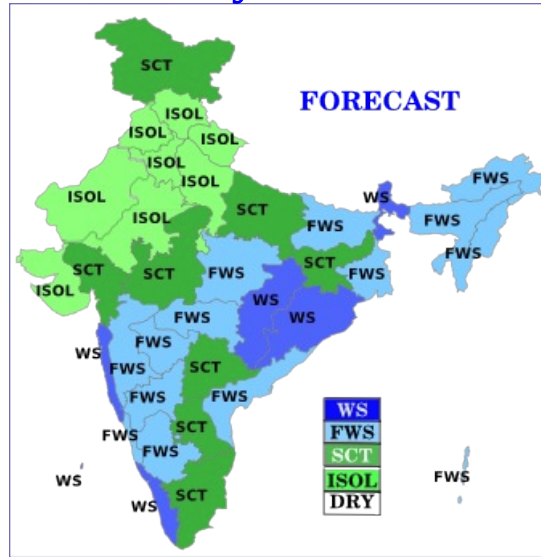
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798

(Copies to the Meteorology 1877)

Wednesday 22 June 2022



22 June (Day 2): ♦ **Heavy to very heavy rainfall** at isolated places very likely over Konkan & Goa and Coastal Karnataka and **heavy rainfall** at isolated places over East Madhya Pradesh, Vidarbha, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Odisha, Assam & Meghalaya, Gujarat Region, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Telangana and South Interior Karnataka.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Jammu & Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, East Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Marathwada, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram, Tripura, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, 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, Lakshadweep area. **Strong winds** of 50-60 kmph gusting to 70 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea, 40-50 kmph gusting to 60 kmph likely over north Gujarat and adjoining north east Arabian Sea, Comorin area, Gulf of Mannar. Fishermen are advised not to venture into these seas.

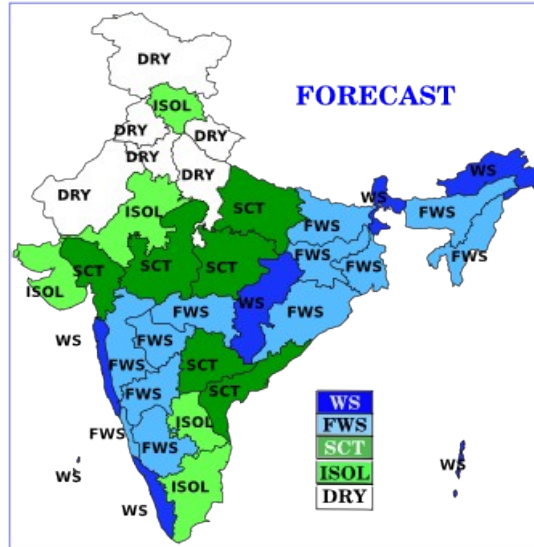
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798

(Copies to the Media upto 1070)

Thursday 23 June 2022



23 June (Day 3): ♦ **Heavy to very heavy rainfall** at isolated places very likely over Konkan & Goa and Coastal Karnataka and **heavy rainfall** at isolated places over East Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram, Tripura, Madhya Maharashtra and Interior Karnataka.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Coastal Andhra Pradesh & Yanam, Telangana, Karnataka, Kerala & Mahe and Lakshadweep.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over along and off Maharashtra, Goa coasts, 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.

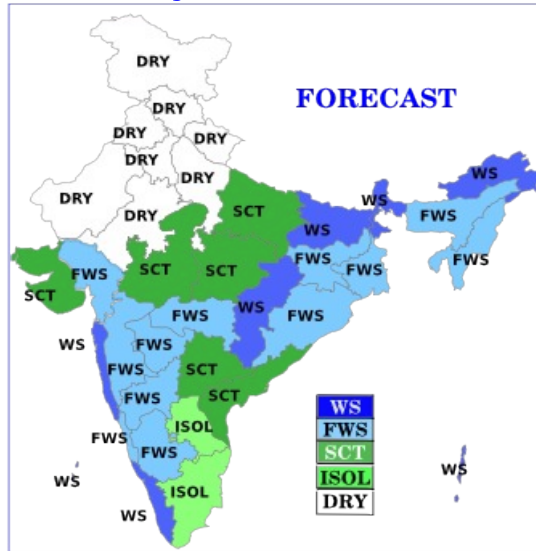
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798

(Circle as the National flag)

Friday 24 June 2022



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

♦ **Thunderstorm accompanied with lightning** at isolated places likely over northeast Uttar Pradesh, Coastal Andhra Pradesh & Yanam, Karnataka, 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 Maharashtra, Goa, Karnataka, Kerala coasts, 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.

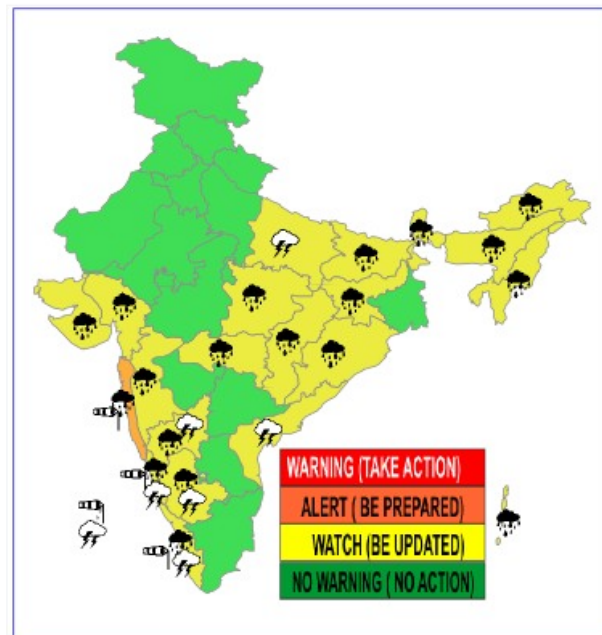
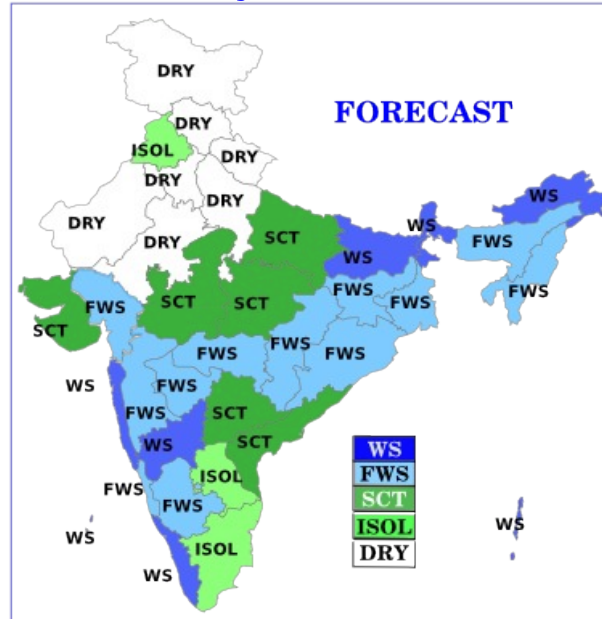
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798

(Circle as the Nation since 1975)

Saturday 25 June 2022



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

♦ **Thunderstorm accompanied with lightning** at isolated places likely over northeast Uttar Pradesh, Coastal Andhra Pradesh & Yanam, Karnataka, 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 Maharashtra, Goa, Karnataka, Kerala coasts, 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.

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

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798

(Copies to the Media upto 1070)

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

| |
|--------------------------------|
| 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

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

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798

(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)

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

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798

(Created by the Meteorology Dept)