



Thursday 30 June 2022

MORNING

Time of Issue: 0730 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. 24°N/ Long. 60°E, Lat. 24°N/ Long. 65°E, Deesa, Ratlam, Shivpuri, Rewa, Mirzapur, Ayodhya, Haridwar, Una, Dharamshala, 33.5°N/79.0°E.
- ◆ Conditions are favourable for further advance of monsoon into remaining parts of Arabian Sea and Gujarat, some parts of Rajasthan, remaining parts Madhya Pradesh, entire Uttar Pradesh and Himachal Pradesh and some parts of Jammu and Kashmir, some parts of Punjab, Haryana and Chandigarh, entire Delhi during next 24 hours.

Rainfall/thunderstorm Forecast & Warnings:

- ◆ An east-west trough runs from Punjab to westcentral Bay of Bengal off south Odisha coast. Under its influence:
 - i) Fairly widespread/widespread light/moderate rainfall & isolated thunderstorm/lightning with isolated **heavy to very heavy falls** likely over Uttarakhand & Haryana-Chandigarh on 30th June & 01st July; Himachal Pradesh & Uttar Pradesh during 30th June-02nd July; Punjab on 30th June and scattered/ fairly widespread rainfall with **heavy falls** likely over East Rajasthan during 30th June-02nd July and over West Rajasthan during 01st-03rd July. Isolated **extremely heavy rainfall** likely over East Uttar Pradesh on 30th July, 2022.
 - ii) Scattered to fairly widespread rainfall with thunderstorm/lightning with isolated **heavy to very heavy rainfall** very likely over West Madhya Pradesh during 30th June-02nd July; East Madhya Pradesh on 30th June & 01st July and isolated heavy rainfall over Chhattisgarh during 30th June-02nd July; 2022.
 - iii) Isolated **heavy rainfall** likely over Odisha during 30th June-04th July; Jharkhand on 30th June; Bihar during 30th June-02nd July. Isolated **heavy to very heavy rainfall** also likely over Sub-Himalayan West Bengal & Sikkim on 30th June, 2022.
- ◆ Under the influence of the off-shore trough at mean sea level from north Maharashtra coast to Karnataka coast and strong westerly/south westerly winds along the west coast in lower tropospheric levels:
 - i) Widespread rainfall & thunderstorm/lightning with isolated **heavy to very heavy rainfall** very likely over Konkan & Goa, Coastal Karnataka and Kerala & Mahe and scattered to fairly widespread rainfall activity over Gujarat, Tamil Nadu, Puducherry & Karaikal Coastal Andhra Pradesh, Madhya Maharashtra and Interior Karnataka during next 5 days.

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 office 4877)



- ◆ **Rainfall/thundershower observed (from 0830 hours IST to 1730 hours IST of yesterday):** at **most places** over Uttarakhand, Bihar, Arunachal Pradesh, Konkan & Goa, Coastal Karnataka, Kerala & Mahe and Lakshadweep; at **many places** over Himachal Pradesh, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya; at **a few places** over East Uttar Pradesh, Nagaland, Manipur, Mizoram & Tripura, East Madhya Pradesh, Chhattisgarh and North Interior Karnataka and at **isolated places** over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad Haryana, East Rajasthan, West Uttar Pradesh, West Madhya Pradesh, Vidarbha, Gujarat, Telangana and Tamilnadu, Puducherry & Karaikal.
- ◆ **Chief amount of Rainfall observed (from 0830 hours IST to 1730 hours IST of yesterday)(3 cm or more):** **Konkan & Goa:** Ratnagiri-7, Matheran and Panjim-3; **East Madhya Pradesh:** Jabalpur-7, Seoni-3; **Himachal Pradesh:** Nahan-5, Shimla-4; **Sub-Himalayan West Bengal & Sikkim:** Jalpaiguri-5, Cooch Behar-4, Bagdogra-3; **Uttarakhand:** Pantnagar-4; **Bihar:** Gaya & Patna-4 each; **Coastal Karnataka:** Honavar-4, Shirali and Bajpe-3 each; **Assam & Meghalaya:** Golaghat and Goalpara-3 each; **Nagaland, Manipur, Mizoram & Tripura:** Kailashahar-3; **North Interior Karnataka:** Dharwad-3; **East Uttar Pradesh:** Gorakhpur-3.
- ◆ **Heavy to very Heavy Rainfall recorded (from 0830 hours IST to 1730 hours IST of yesterday)** at isolated places over Konkan & Goa and East Madhya Pradesh.
- ◆ **Thunderstorm observed (from 0830 hours IST of yesterday to 0530 hours IST of today):** at isolated places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Chandigarh, Sub-Himalayan West Bengal & Sikkim, East Rajasthan, Madhya Pradesh, East Uttar Pradesh, Bihar, Chhattisgarh, Jharkhand, Gangetic West Bengal, Assam & Meghalaya, Konkan & Goa, Vidarbha and Coastal Andhra Pradesh & Yanam.
- ◆ **Maximum Temperature Departures (as on 29-06-2022):** Maximum temperatures were **appreciably above normal (3.0°C to 5.0°C)** at a few places over Vidarbha; **above normal (1.6°C to 3.0°C)** at most places over Haryana, Chandigarh & Delhi, West Rajasthan, Odisha and Gangetic West Bengal; at many places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Madhya Maharashtra and Jharkhand; at a few places over East Rajasthan, Gujarat region, Interior Karnataka, Tamilnadu, Puducherry & Karaikal and Andaman & Nicobar islands and at isolated places over Saurashtra & Kutch. They were **markedly below normal (-5.1°C or more)** at many places over East Uttar Pradesh, Bihar and Arunachal Pradesh; at a few places over Himachal Pradesh; **appreciably below normal (-3.0°C to -5.0°C)** at many places over Assam & Meghalaya; at a few places over Sub-Himalayan West Bengal & Sikkim; at isolated places Madhya Pradesh; **below normal (-1.6°C to -3.0°C)** at many places over West Uttar Pradesh and Coastal Karnataka; at a few places over Coastal Andhra Pradesh & Yanam and Kerala & Mahe; at isolated places over East Rajasthan and near normal over rest parts of the country. **Yesterday**, the highest maximum temperature of **44.5°C** was reported at **Churu (West Rajasthan)**.
- ◆ **Minimum Temperature Departures (as on 29-06-2022):** Minimum temperatures were **appreciably above normal (3.1°C to 5.0°C)** at Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad; at a few places over Himachal Pradesh and West Rajasthan; at isolated places over East Rajasthan; **above normal (1.6°C to 3.0°C)** at most places over Punjab and Haryana, Chandigarh & Delhi; at many places over East Rajasthan and Vidarbha; at a few places over Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim and Odisha; at isolated places over Saurashtra & Kutch and Gangetic West Bengal. They were **below normal (-1.6°C to -3.0°C)** at many places over West Uttar Pradesh, Arunachal Pradesh and Coastal Karnataka, at a few places over Assam & Meghalaya and Coastal Andhra Pradesh & Yanam and at isolated places Tamilnadu, Puducherry & Karaikal and **near normal** over rest parts of the country. **Yesterday**, the lowest **minimum temperature** of **21.0°C** was reported at **Punalur (Kerala & Mahe)** 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 office 1070)

Meteorological Analysis (Based on 0530 hours IST)

- ◆ The Northern Limit of Monsoon (NLM) continues to pass through Lat. 24°N/ Long. 60°E, Lat. 24°N/ Long. 65°E, Deesa, Ratlam, Shivpuri, Rewa, Mirzapur, Ayodhya, Haridwar, Una, Dharamshala, 33.5°N/79.0°E.
- ◆ Conditions are favorable for further advance of monsoon into remaining parts of Arabian Sea and Gujarat, some parts of Rajasthan, remaining parts Madhya Pradesh, entire Uttar Pradesh and Himachal Pradesh and some parts of Jammu and Kashmir, some parts of Punjab, Haryana and Chandigarh, entire Delhi during next 24 hours.
- ◆ The east-west trough from Punjab to westcentral Bay of Bengal off south Odisha coast across Haryana, south Uttar Pradesh, northeast Madhya Pradesh, Chhattisgarh, south Odisha extending upto 0.9 km above mean sea level persists.
- ◆ The off-shore trough at mean sea level from north Maharashtra coast to south Karnataka coast persists.
- ◆ The cyclonic circulation over northwest Arabian Sea between 1.5 km & 5.8 km above mean sea level tilting southwards with height persists.
- ◆ The cyclonic circulation over coastal Odisha & neighbourhood between 3.1 km & 5.8 km above mean sea level tilting southwards with height persists.

Weather Forecast for next 5 days * upto 0830 hours IST of 05th July, 2022

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

Weather Outlook for subsequent 2 days during 05th July-07th July, 2022

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



Weather Warning during next 5 days *

30 June (Day 1): ♦ Heavy to very heavy rainfall with extremely heavy falls at isolated places very likely East Uttar Pradesh; **heavy to very heavy rainfall** at isolated places over Himachal Pradesh, Uttarakhand, West Uttar Pradesh, East Rajasthan, Bihar, Konkan & Goa and Coastal Karnataka and **heavy rainfall** at isolated places over Punjab, Haryana, Chandigarh & Delhi, Madhya Pradesh, Chhattisgarh, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat Region, Coastal Andhra Pradesh & Yanam, South Interior Karnataka and Tamilnadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Karnataka, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over along and off Kerala, Karnataka, Goa, south Maharashtra 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, 45-55 kmph gusting to 60 kmph likely over west central and adjoining east central Arabian Sea, Comorin area, Gulf of Mannar. Fishermen are advised not to venture into these seas.

01 July (Day 2): ♦ Heavy to very heavy rainfall at isolated places very likely over West Uttar Pradesh, East Rajasthan, West Madhya Pradesh and **heavy rainfall** at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, East Uttar Pradesh, West Rajasthan, East Madhya Pradesh, Chhattisgarh, Bihar, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat Region, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Coastal Karnataka and Kerala & Mahe.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Chhattisgarh, Bihar, 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 along and off Kerala, Karnataka, Goa, south Maharashtra 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, 45-55 kmph gusting to 60 kmph likely over west central and adjoining east central Arabian Sea, Comorin area, Gulf of Mannar. Fishermen are advised not to venture into these seas.

02 July (Day 3): ♦ Heavy to very heavy rainfall at isolated places very likely over East Rajasthan and West Madhya Pradesh and **heavy rainfall** at isolated places over Himachal Pradesh, Uttar Pradesh, West Rajasthan, Chhattisgarh, Bihar, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat Region, Konkan & Goa, Coastal Karnataka and Kerala & Mahe.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Gangetic West Bengal, Coastal Andhra Pradesh & Yanam and Tamilnadu, Puducherry & Karaikal.

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

03 July (Day 4): ♦ Heavy rainfall at isolated places likely over West Rajasthan, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat State, Konkan & Goa, Coastal Karnataka and Kerala & Mahe.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over Gangetic West Bengal, Coastal Andhra Pradesh & Yanam and Tamilnadu, Puducherry & Karaikal.

♦ **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.

04 July (Day 5): ♦ Heavy rainfall at isolated places likely over Odisha, Chhattisgarh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Coastal Karnataka and Kerala & Mahe.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over Gangetic West Bengal, Coastal Andhra Pradesh & Yanam and Tamilnadu, Puducherry & Karaikal.

♦ **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 to the National Press 4870)



Table-1
5 Day Rainfall Forecast (MORNING)
30-June-2022

Met-Sub-Division	30-Jun Today	01Jul Fri	02Jul Sat	03Jul Sun	04Jul Mon
1. Andaman & Nicobar Islands	FWS	FWS	WS	WS	WS
2. Arunachal Pradesh	FWS	FWS	FWS	WS	WS
3. Assam & Meghalaya	WS	WS	WS	FWS	FWS
4. N. M. M. & T.	FWS	WS	WS	WS	WS
5. S.H. West Bengal & Sikkim	WS	WS	WS	WS	WS
6. Gangetic West Bengal	FWS	FWS	FWS	FWS	FWS
7. Odisha	FWS	FWS	FWS	FWS	FWS
8. Jharkhand	WS	WS	WS	WS	WS
9. Bihar	FWS	FWS	SCT	SCT	SCT
10. East Uttar Pradesh	WS	FWS	SCT	SCT	SCT
11. West Uttar Pradesh	WS	FWS	SCT	ISOL	ISOL
12. Uttarakhand	WS	WS	WS	WS	WS
13. Haryana, Chd & Delhi	WS	FWS	SCT	ISOL	ISOL
14. Punjab	FWS	FWS	SCT	ISOL	ISOL
15. Himachal Pradesh	WS	WS	FWS	FWS	FWS
16. J & K and Ladakh	SCT	SCT	SCT	SCT	SCT
17. West Rajsthan	ISOL	SCT	SCT	ISOL	ISOL
18. East Rajasthan	FWS	WS	FWS	SCT	SCT
19. West Madhya Pradesh	FWS	FWS	WS	SCT	SCT
20. East Madhya Pradesh	WS	FWS	FWS	FWS	FWS
21. Gujarat Region	SCT	SCT	FWS	FWS	FWS
22. Saurashtra & Kutch	ISOL	SCT	SCT	FWS	FWS
23. Konkan & Goa	WS	WS	WS	WS	WS
24. Madhya Maharashtra	FWS	SCT	SCT	SCT	SCT
25. Marathawada	SCT	SCT	SCT	SCT	SCT
26. Vidharbha	SCT	FWS	SCT	SCT	SCT
27. Chhattisgarh	FWS	FWS	FWS	FWS	FWS
28. Coastal A. P. & Yanam	FWS	FWS	FWS	FWS	FWS
29. Telangana	SCT	SCT	SCT	SCT	SCT
30. Rayalaseema	SCT	SCT	SCT	ISOL	ISOL
31. T.N.,Puducherry & Karaikal	SCT	SCT	SCT	SCT	SCT
32. Coastal Karnataka	WS	WS	WS	WS	WS
33. North Interior Karnataka	SCT	FWS	SCT	SCT	SCT
34. South Interior Karnataka	SCT	FWS	SCT	SCT	SCT
35. Kerala & Mahe	WS	WS	WS	WS	WS
36. Lakshadweep	WS	WS	WS	WS	WS

% Station Reporting Rainfall

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

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

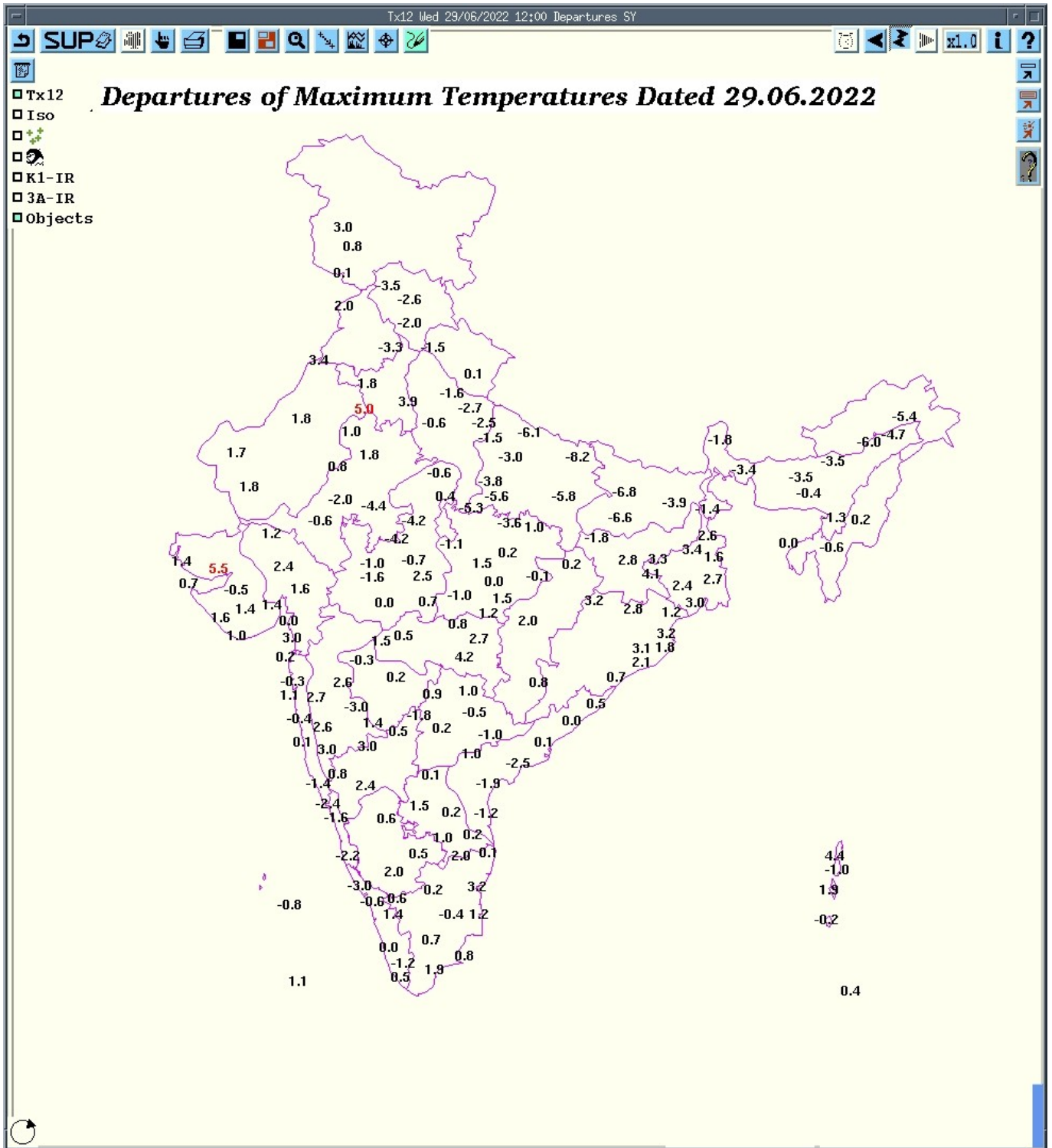
Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

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

(Circle as the National flag)



Fig. 4 : Departure from Normal of Maximum Temperatures



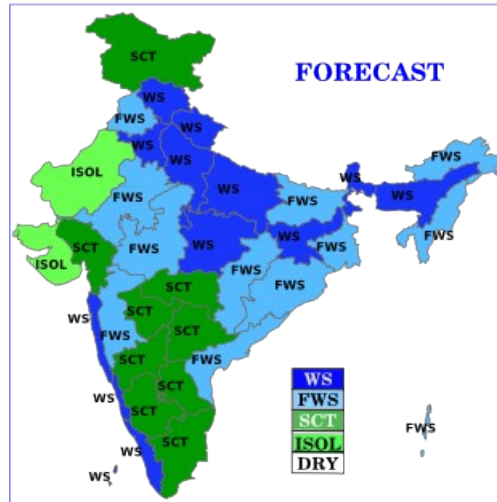
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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 MetInfo app 10/7/20)

Thursday 30 June 2022



30 June (Day 1): ♦ Heavy to very heavy rainfall with extremely heavy falls at isolated places very likely East Uttar Pradesh; **heavy to very heavy rainfall** at isolated places over Himachal Pradesh, Uttarakhand, West Uttar Pradesh, East Rajasthan, Bihar, Konkan & Goa and Coastal Karnataka and **heavy rainfall** at isolated places over Punjab, Haryana, Chandigarh & Delhi, Madhya Pradesh, Chhattisgarh, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat Region, Coastal Andhra Pradesh & Yanam, South Interior Karnataka and Tamilnadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Karnataka, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over along and off Kerala, Karnataka, Goa, south Maharashtra 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, 45-55 kmph gusting to 60 kmph likely over west central and adjoining east central Arabian Sea, Comorin area, Gulf of Mannar. Fishermen are advised not to venture into these seas.

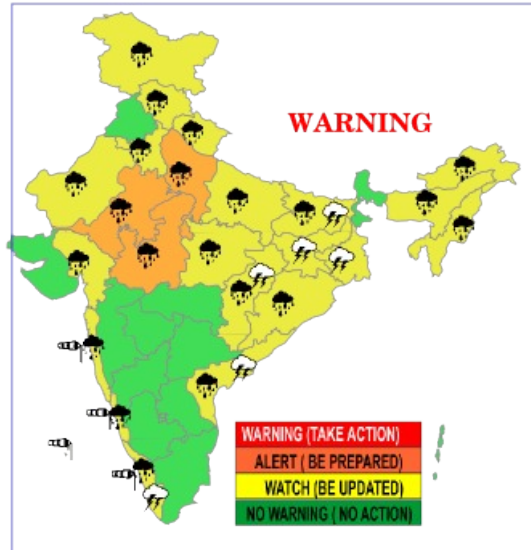
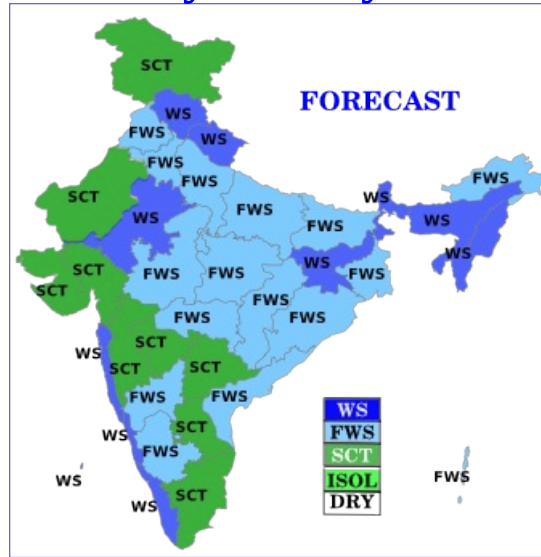
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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

(Circle as the National flag 487)

Friday 01 July 2022



01 July (Day 2): ♦Heavy to very heavy rainfall at isolated places very likely over West Uttar Pradesh, East Rajasthan, West Madhya Pradesh and **heavy rainfall** at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, East Uttar Pradesh, West Rajasthan, East Madhya Pradesh, Chhattisgarh, Bihar, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat Region, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Coastal Karnataka and Kerala & Mahe.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Chhattisgarh, Bihar, 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 along and off Kerala, Karnataka, Goa, south Maharashtra 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, 45-55 kmph gusting to 60 kmph likely over west central and adjoining east central Arabian Sea, Comorin area, Gulf of Mannar. Fishermen are advised not to venture into these seas.

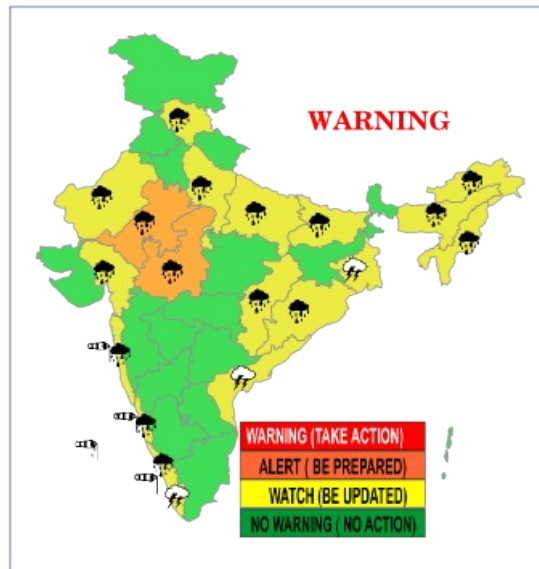
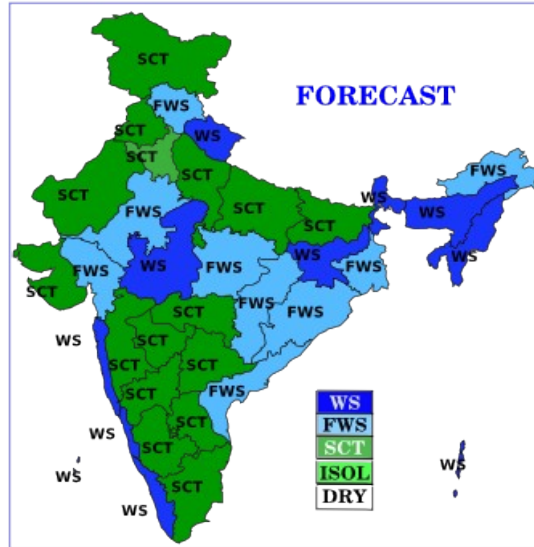
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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

(Circle as the Nation since 1975)

Saturday 02 July 2022



02 July (Day 3): ♦ **Heavy to very heavy rainfall** at isolated places very likely over East Rajasthan and West Madhya Pradesh and **heavy rainfall** at isolated places over Himachal Pradesh, Uttar Pradesh, West Rajasthan, Chhattisgarh, Bihar, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat Region, Konkan & Goa, Coastal Karnataka and Kerala & Mahe.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Gangetic West Bengal, Coastal Andhra Pradesh & Yanam and Tamilnadu, Puducherry & Karaikal.

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

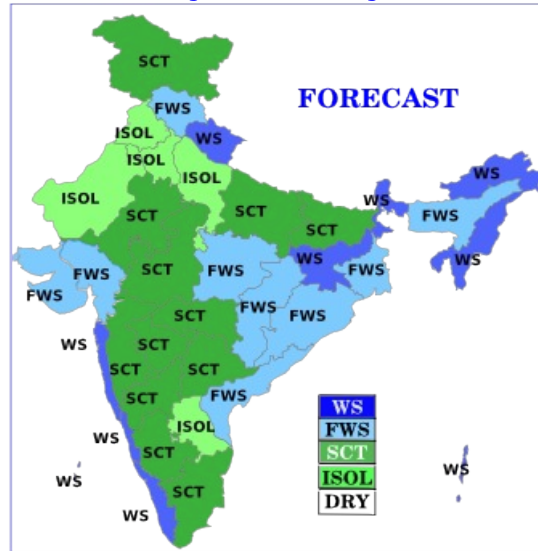
* **Red color warning does not mean "Red Alert" Red color warning means "Take Action".**

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 497)

Sunday 03 July 2022



03 July (Day 4): ♦ Heavy rainfall at isolated places likely over West Rajasthan, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat State, Konkan & Goa, Coastal Karnataka and Kerala & Mahe.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over Gangetic West Bengal, Coastal Andhra Pradesh & Yanam and Tamilnadu, Puducherry & Karaikal.

♦ **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.

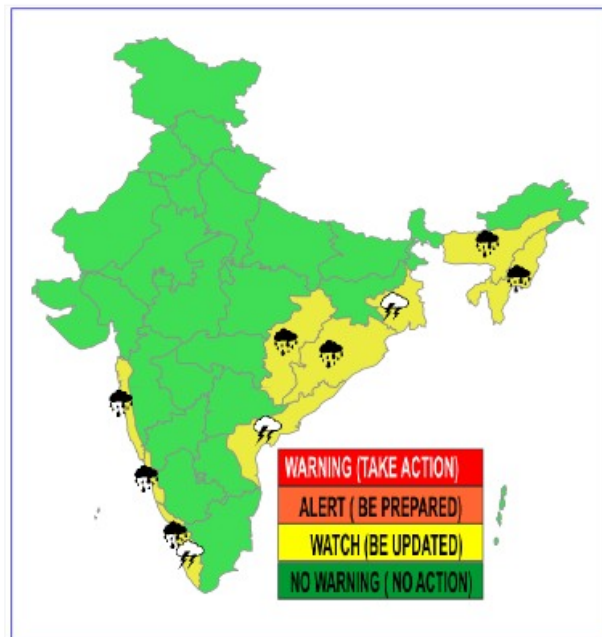
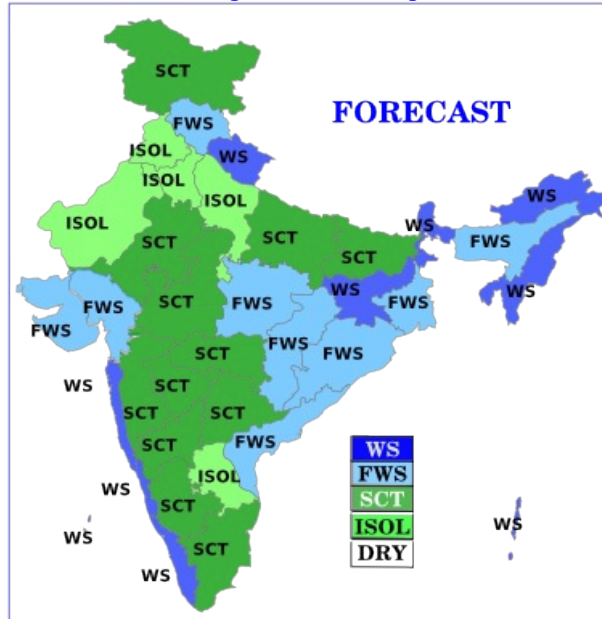
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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)

Monday 04 July 2022



04 July (Day 5): ♦ Heavy rainfall at isolated places likely over Odisha, Chhattisgarh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Coastal Karnataka and Kerala & Mahe.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over Gangetic West Bengal, Coastal Andhra Pradesh & Yanam and Tamilnadu, Puducherry & Karaikal.

♦ **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 1971)

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)