

Thursday 06 October 2022

**MORNING**

Time of Issue: 0800 hours IST

**ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN**

**Significant Weather Features**

**Withdrawal of Southwest Monsoon:**

⇒ The withdrawal line of Southwest Monsoon continues to pass through Long. 79.0°E/ Lat. 31.7° N, Uttarkashi, Nazibabad, Agra, Gwalior, Ratlam, Bharuch and Long. 71.0°E / Lat. 20.3° N.

**Weather systems, rainfall/thunderstorm Forecast & Warnings:**

⇒ A cyclonic circulation now lies over Coastal Andhra Pradesh & neighbourhood in lower tropospheric levels.

⇒ A trough runs from above cyclonic circulation over Coastal Andhra Pradesh & neighbourhood to Uttarakhand across Chhattisgarh, East Madhya Pradesh & central Uttar Pradesh in lower tropospheric levels.

⇒ A cyclonic circulation lies over central parts of south Bay of Bengal in middle tropospheric levels.

⇒ **Under the influence of above systems;**

o Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls** very likely over Odisha on 06<sup>th</sup>; Sub-Himalayan West Bengal & Sikkim on 08<sup>th</sup> & 09<sup>th</sup>; East Madhya Pradesh during 06<sup>th</sup>-07<sup>th</sup> and Andaman & Nicobar Islands and West Madhya Pradesh during 06<sup>th</sup>-08<sup>th</sup> October, 2022.

o Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Uttarakhand and West Uttar Pradesh during 06<sup>th</sup>-08<sup>th</sup> and East Uttar Pradesh during 06<sup>th</sup>-09<sup>th</sup> October, 2022. **Isolated very heavy rainfall very likely over Uttarakhand and Uttar Pradesh on 06<sup>th</sup> & 08<sup>th</sup> October, 2022. Isolated extremely heavy falls also likely over Uttarakhand and northwest Uttar Pradesh on 07<sup>th</sup> October, 2022.**

o Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Tamil Nadu during 06<sup>th</sup>-09<sup>th</sup>; Coastal Andhra Pradesh & Yanam on 06<sup>th</sup>, 08<sup>th</sup>, 09<sup>th</sup> & 10th Rayalaseema on 08<sup>th</sup> & 09<sup>th</sup>; Telangana on 06<sup>th</sup> and Interior Karnataka on 09<sup>th</sup> October, 2022. **Isolated very heavy rainfall very likely over Tamil Nadu, Puducherry & Karaikal on 06<sup>th</sup> October, 2022.**

o Fairly widespread/widespread light/moderate rainfall with **isolated heavy falls & thunderstorm/lightning** very likely over Arunachal Pradesh and Assam & Meghalaya on 08<sup>th</sup> & 09<sup>th</sup> and over Nagaland, Manipur, Mizoram & Tripura on 08<sup>th</sup>, 09<sup>th</sup> & 10th October, 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](http://www.imd.gov.in) or contact : +91 11 24631913, 24643965, 24629798

(Circle as the National office 4872)

◆ **Rainfall/thundershower observed (from 0830 hours IST to 1730 hours IST of yesterday):** at most places over East Uttar Pradesh, Arunachal Pradesh, Coastal Andhra Pradesh & Yanam and Andaman & Nicobar Islands; at many places over Gangetic West Bengal; at a few places over Uttarakhand, East Madhya Pradesh and Odisha and at isolated places over West Uttar Pradesh, East Rajasthan, West Madhya Pradesh, Jharkhand, Nagaland, Manipur, Mizoram & Tripura, Chhattisgarh, Saurashtra & Kutch, Madhya Maharashtra, Vidarbha, Telangana, Coastal Karnataka, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

◆ **Heavy Rainfall Recorded (from 0830 hours IST to 1730 hours IST of yesterday):** Isolated heavy rainfall occurred over East Uttar Pradesh.

◆ **Chief amount of Rainfall observed (from 0830 hours IST to 1730 hours IST of yesterday)(2 cm or more):** Gorakhpur-9; Bahraich-8; Lucknow-6; Kanpur, Fursatganj & Bankura-5 each; Nowgong, Sagar & Goalpara-3 each; Diamond Harbour & Port Blair-2 each.

◆ **Thunderstorm observed (from 0830 hours IST of yesterday to 0530 hours IST of today):** at many places over Coastal Andhra Pradesh & Yanam and at isolated places over Assam & Meghalaya, Uttarakhand East Uttar Pradesh, Madhya Pradesh, West Bengal & Sikkim, Coastal Andhra Pradesh & Yanam, Madhya Maharashtra and Telangana.

◆ **Minimum Temperature Departures (as on 05-10-2022):** Minimum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places over Uttarakhand, Punjab and West Madhya Pradesh; at a few places over Haryana, Chandigarh & Delhi, East Rajasthan and Bihar; at isolated places over East Madhya Pradesh; above normal (1.6°C to 3.0°C) at most places over West Uttar Pradesh; at many places over Himachal Pradesh, East Uttar Pradesh, Vidarbha, Gujarat Region, Marathwada and Rayalaseema; at a few places over West Rajasthan, Arunachal Pradesh, Assam & Meghalaya, Madhya Maharashtra, Konkan & Goa, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. They were below normal (-1.6°C to -3.0°C) at isolated places over Telangana, Coastal Karnataka and North Interior Karnataka and near normal over rest parts of the country. Yesterday, the lowest minimum temperature of 19.5°C was reported at Churu (West Rajasthan) over the plains of the country.

◆ **Maximum Temperature Departures (as on 05-10-2022):** Maximum temperatures were 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 Assam & Meghalaya and Kerala & Mahe; at isolated places over Himachal Pradesh, Sub-Himalayan West Bengal & Sikkim, Madhya Maharashtra and Tamil Nadu, Puducherry & Karaikal. They were markedly below normal (-5.1°C or less) at a few places over East Uttar Pradesh; appreciably below normal (-3.1°C to -5.0°C) at isolated places over East Madhya Pradesh and Coastal Andhra Pradesh & Yanam; below normal (-1.6°C to -3.0°C) at a few places over West Madhya Pradesh, Gangetic West Bengal, Rayalaseema and Andaman & Nicobar Islands; at isolated places over West Uttar Pradesh, Vidarbha, Odisha and Telangana and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 39.6°C was reported at Ganganagar (West 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](http://www.imd.gov.in) or contact : +91 11 24631913, 24643965, 24629798

(Circle as the National since 1975)

### Meteorological Analysis (Based on 0530 hours IST)

- ◆ The withdrawal line of **Southwest Monsoon** continues to pass through Long. 79.0°E/ Lat. 31.7° N, Uttarkashi, Nazibabad, Agra, Gwalior, Ratlam, Bharuch and Long. 71.0°E / Lat. 20.3° N.
- ◆ The cyclonic circulation over Coastal Andhra Pradesh & neighbourhood extending upto 3.1 km above mean sea level persists.
- ◆ The trough from the cyclonic circulation over Coastal Andhra Pradesh & neighbourhood to Uttarakhand across Chhattisgarh, East Madhya Pradesh & central Uttar Pradesh extending upto 3.1 km above mean sea level persists.
- ◆ The **Western Disturbance** as a trough in mid & upper tropospheric westerlies with its axis at 5.8 km above mean sea level roughly along 75°E to north of 32°N persists.
- ◆ The cyclonic circulation over central parts of south Bay of Bengal between 4.5 km & 5.8 km above mean sea level persists.

### Weather Forecast for next 5 days \* upto 0830 hours IST of 11th October, 2022

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

### Weather Outlook for subsequent 2 days During 11th-13th October, 2022

- ◆ Scattered to fairly widespread light/moderate rainfall likely over Uttar Pradesh, Central, East, Northeast & south peninsular India, Islands and along the West coasts.
- ◆ Isolated to scattered light rainfall activity likely over rest parts of the country except some parts of northwest India where dry weather is likely.

## Weather Warning during next 5 days \*

**06 Oct (Day 1): ♦ Heavy to very heavy rainfall** at isolated places very likely over Uttarakhand, Uttar Pradesh and Tamil Nadu, Puducherry & Karaikal; **heavy rainfall** at isolated places over Madhya Pradesh, Odisha, Andaman & Nicobar Islands, Coastal Andhra Pradesh & Yanam, Telangana, Vidarbha and Marathwada.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Himachal Pradesh, Uttarakhand, Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Marathwada, Interior Karnataka Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Squally weather** (wind speed 45-55 kmph gusting to 65 kmph) is very likely over westcentral & adjoining southwest Bay of Bengal along and off Andhra Pradesh & north Tamil Nadu coasts. **Squally winds** (wind speed 45-55 kmph gusting to 65 kmph) is likely over south Sri Lanka coast, Gulf of Mannar, Comorin area. Southwest Arabian Sea, along & off Somalia coast. Fishermen are advised not to venture into these seas.

**07 Oct (Day 2): ♦ Heavy to very heavy rainfall with extremely heavy falls** at isolated places likely over Uttarakhand and West Uttar Pradesh; **Heavy to very heavy rainfall** at isolated places very likely over East Uttar Pradesh; **heavy rainfall** at isolated places over Madhya Pradesh, Andaman & Nicobar Islands and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Himachal Pradesh, Uttarakhand, Uttar Pradesh, East Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Jharkhand, Gujarat Region, Madhya Maharashtra, Marathwada, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Squally winds** (wind speed 45-55 kmph gusting to 65 kmph) is likely over southwest Bay of Bengal, along & off south Sri Lanka coast, Gulf of Mannar and Comorin area. Southwest Arabian Sea, along & off Somalia coast. Fishermen are advised not to venture into these seas.

**08 Oct (Day 3): ♦ Heavy to very heavy rainfall** at isolated places likely over Uttarakhand and Uttar Pradesh; **heavy rainfall** at isolated places over West Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, Rayalaseema and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over Uttarakhand, Uttar Pradesh, Uttar Pradesh, East Rajasthan, West Madhya Pradesh, Gujarat State, Madhya Maharashtra, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Squally winds** (wind speed 45-55 kmph gusting to 65 kmph) is likely over southwest Bay of Bengal, along & off south Sri Lanka coast, Gulf of Mannar and Comorin area. Southwest Arabian Sea, along & off Somalia coast. Fishermen are advised not to venture into these seas.

**09 Oct (Day 4): ♦ Heavy rainfall** at isolated places likely over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, Rayalaseema, Interior Karnataka and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Uttarakhand, Uttar Pradesh, East Rajasthan, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Squally winds** (wind speed 45-55 kmph gusting to 65 kmph) is likely over Gulf of Mannar, Southwest Arabian Sea, along & off Somalia coast. Fishermen are advised not to venture into these seas.

**10 Oct (Day 5): ♦ Heavy rainfall** at isolated places likely over Odisha, Coastal Andhra Pradesh & Yanam, West Uttar Pradesh, Uttarakhand, East Rajasthan and Nagaland, Manipur, Mizoram & Tripura.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Uttarakhand, Haryana, East Rajasthan, Uttar Pradesh, Madhya Pradesh, Chhattisgarh, Telangana, Rayalaseema, Gujarat region, Madhya Maharashtra, Marathwada, Vidarbha and Andaman & Nicobar Islands.

♦ **Squally winds** (wind speed 45-55 kmph gusting to 65 kmph) is likely over Gulf of Mannar, Southwest Arabian Sea, along & off Somalia coast. 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](http://www.imd.gov.in) or contact : +91 11 24631913, 24643965, 24629798

(Circle to the National flag)



**Table-1**  
**5 Day Rainfall Forecast (MORNING)**  
**06-October-2022**

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

**% 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".

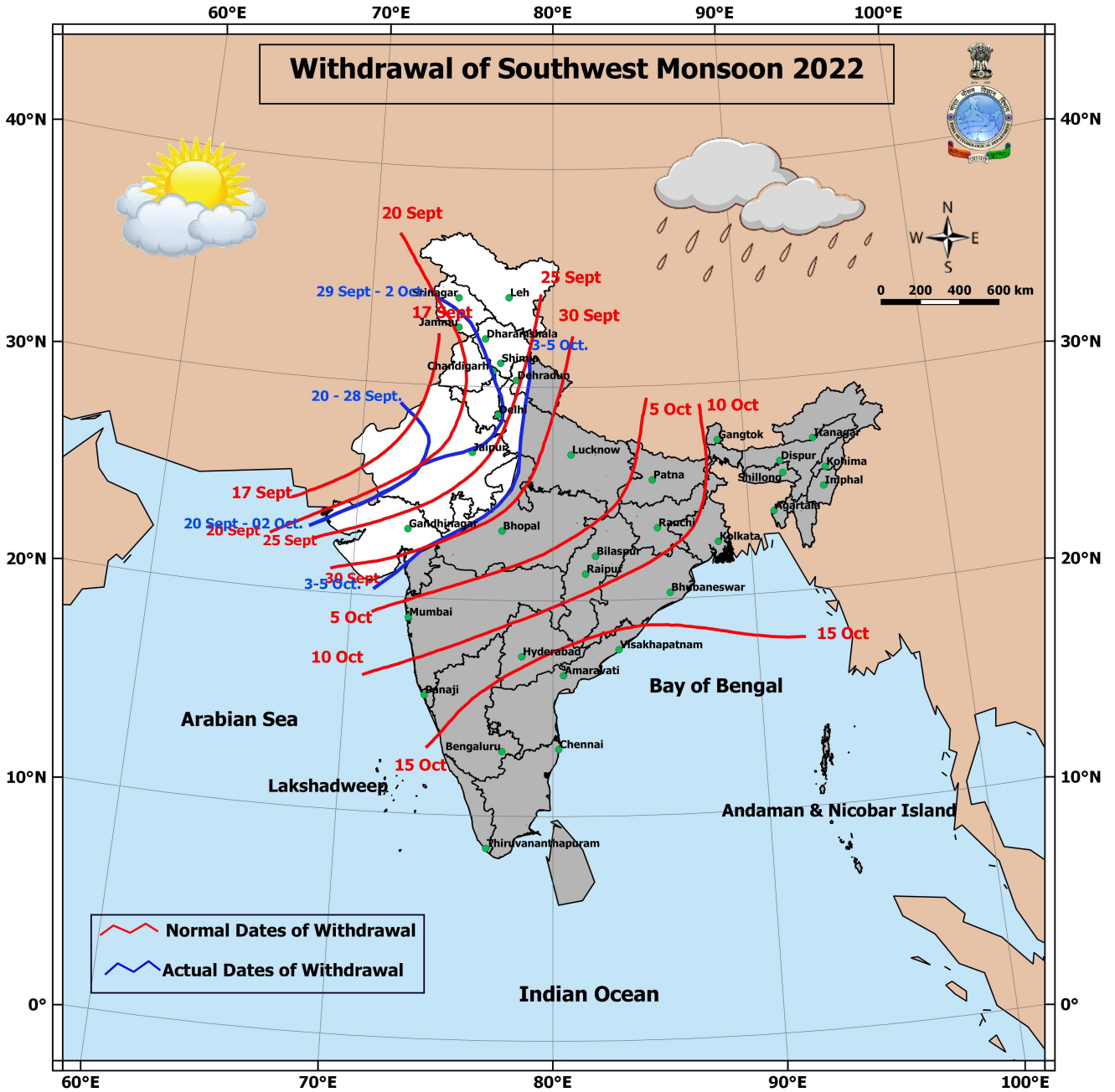
Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit [www.imd.gov.in](http://www.imd.gov.in) or contact : +91 11 24631913, 24643965, 24629798

(Circle as the National flag)



Fig.1 Withdrawal of Southwest Monsoon 2022



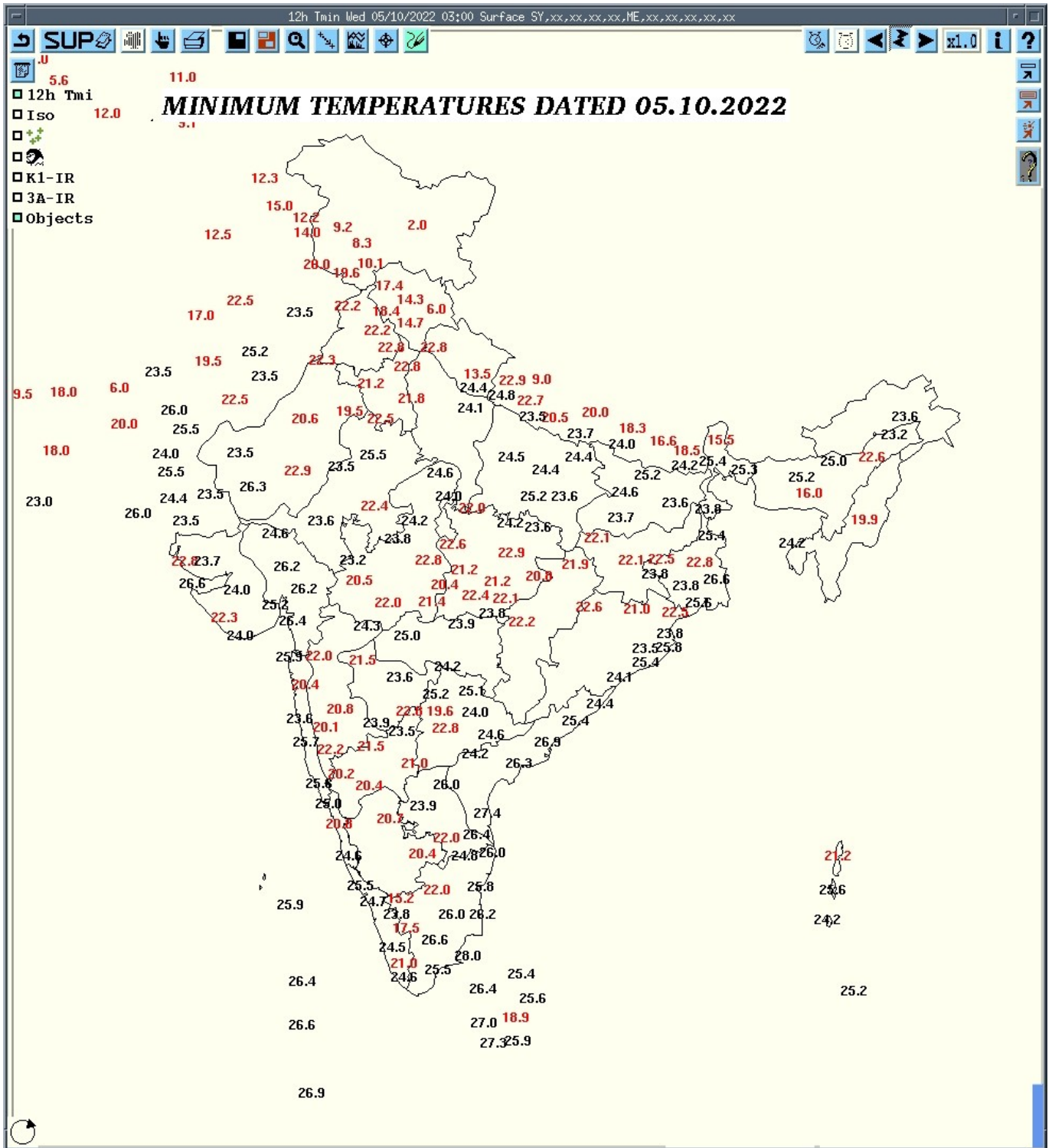
\* Red color warning does not mean "Red Alert" Red color warning means "Take Action".  
 Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day  
 For more details kindly visit [www.imd.gov.in](http://www.imd.gov.in) or contact : +91 11 24631913, 24643965, 24629798







Fig. 4: Minimum Temperature during past 24 hours



\* 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

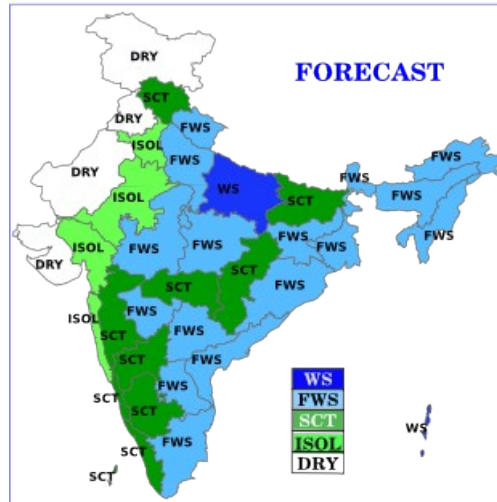
For more details kindly visit [www.imd.gov.in](http://www.imd.gov.in) or contact : +91 11 24631913, 24643965, 24629798

(Created by the MetInfo@IMD)





## Thursday 06 October 2022



**06 Oct (Day 1): ♦ Heavy to very heavy rainfall** at isolated places very likely over Uttarakhand, Uttar Pradesh and Tamil Nadu, Puducherry & Karaikal; **heavy rainfall** at isolated places over Madhya Pradesh, Odisha, Andaman & Nicobar Islands, Coastal Andhra Pradesh & Yanam, Telangana, Vidarbha and Marathwada.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Himachal Pradesh, Uttarakhand, Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Marathwada, Interior Karnataka Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Squally weather** (wind speed 45-55 kmph gusting to 65 kmph) is very likely over westcentral & adjoining southwest Bay of Bengal along and off Andhra Pradesh & north Tamil Nadu coasts. **Squally winds** (wind speed 45-55 kmph gusting to 65 kmph) is likely over south Sri Lanka coast, Gulf of Mannar, Comorin area. Southwest Arabian Sea, along & off Somalia coast. Fishermen are advised not to venture into these seas.

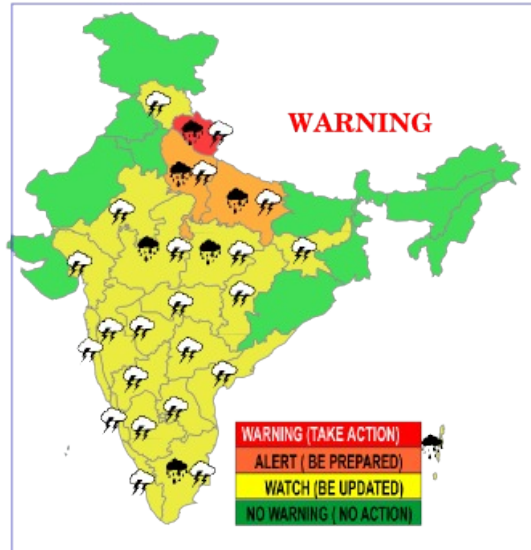
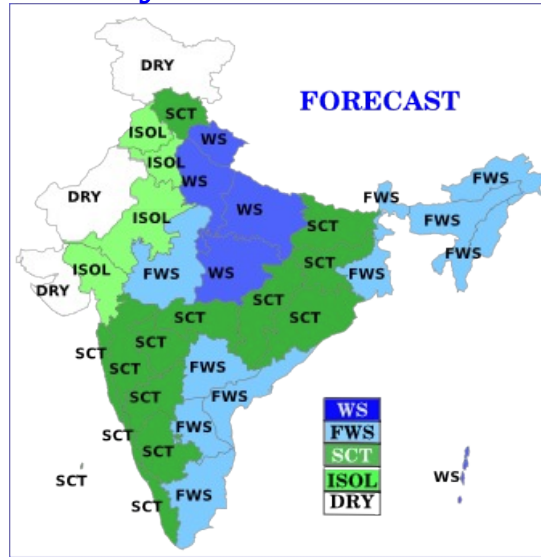
\* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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](http://www.imd.gov.in) or contact : +91 11 24631913, 24643965, 24629798

(Circle as the National flag)

## Friday 07 October 2022



**07 Oct (Day 2): ♦ Heavy to very heavy rainfall with extremely heavy falls** at isolated places likely over Uttarakhand and West Uttar Pradesh; **Heavy to very heavy rainfall** at isolated places very likely over East Uttar Pradesh; **heavy rainfall** at isolated places over Madhya Pradesh, Andaman & Nicobar Islands and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Himachal Pradesh, Uttarakhand, Uttar Pradesh, East Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Jharkhand, Gujarat Region, Madhya Maharashtra, Marathwada, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Squally winds** (wind speed 45-55 kmph gusting to 65 kmph) is likely over southwest Bay of Bengal, along & off south Sri Lanka coast, Gulf of Mannar and Comorin area. Southwest Arabian Sea, along & off Somalia coast. Fishermen are advised not to venture into these seas.

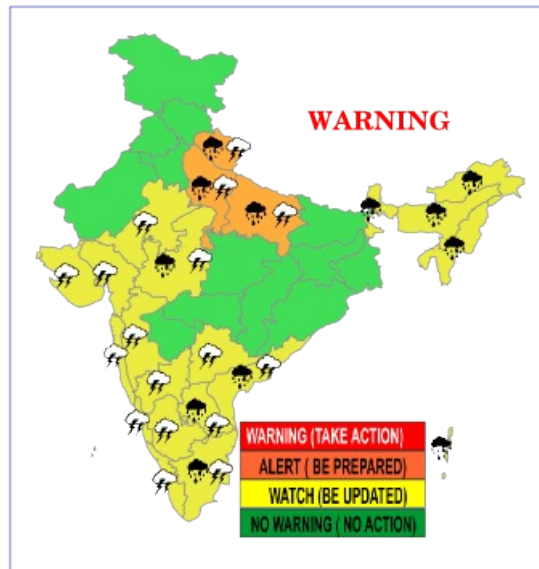
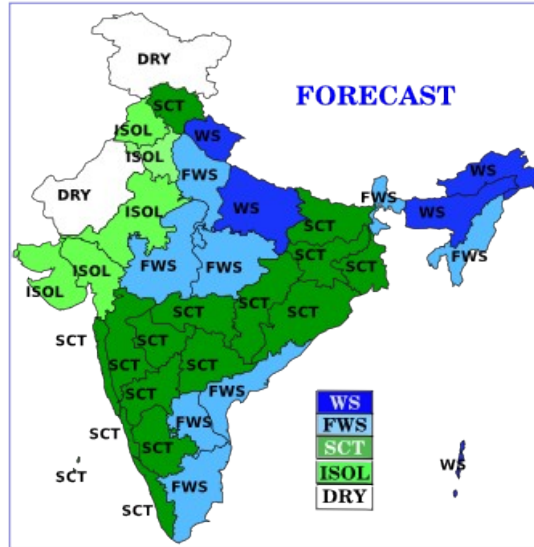
\* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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](http://www.imd.gov.in) or contact : +91 11 24631913, 24643965, 24629798

(Copies to the Media upto 1077)

## Saturday 08 October 2022



**08 Oct (Day 3):** ♦ **Heavy to very heavy rainfall** at isolated places likely over Uttarakhand and Uttar Pradesh; **heavy rainfall** at isolated places over West Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, Rayalaseema and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over Uttarakhand, Uttar Pradesh, Uttar Pradesh, East Rajasthan, West Madhya Pradesh, Gujarat State, Madhya Maharashtra, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Squally winds** (wind speed 45-55 kmph gusting to 65 kmph) is likely over southwest Bay of Bengal, along & off south Sri Lanka coast, Gulf of Mannar and Comorin area. Southwest Arabian Sea, along & off Somalia coast. Fishermen are advised not to venture into these seas.

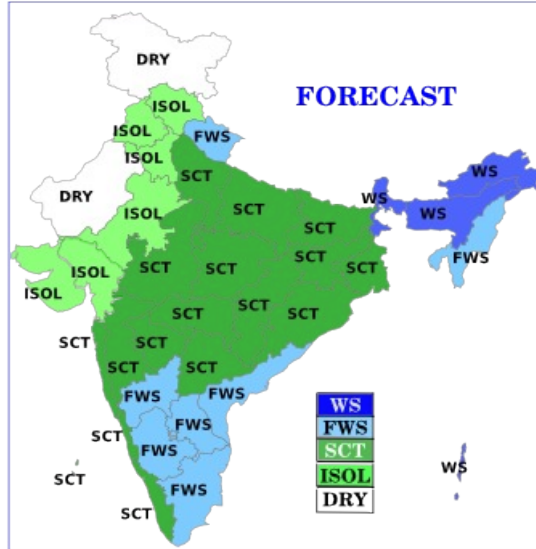
\* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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](http://www.imd.gov.in) or contact : +91 11 24631913, 24643965, 24629798

(Circle as the Nation since 1975)

## Sunday 09 October 2022



**09 Oct (Day 4): ♦ Heavy rainfall** at isolated places likely over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, Rayalaseema, Interior Karnataka and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Uttarakhand, Uttar Pradesh, East Rajasthan, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Squally winds** (wind speed 45-55 kmph gusting to 65 kmph) is likely over Gulf of Mannar, Southwest Arabian Sea, along & off Somalia coast. Fishermen are advised not to venture into these seas.

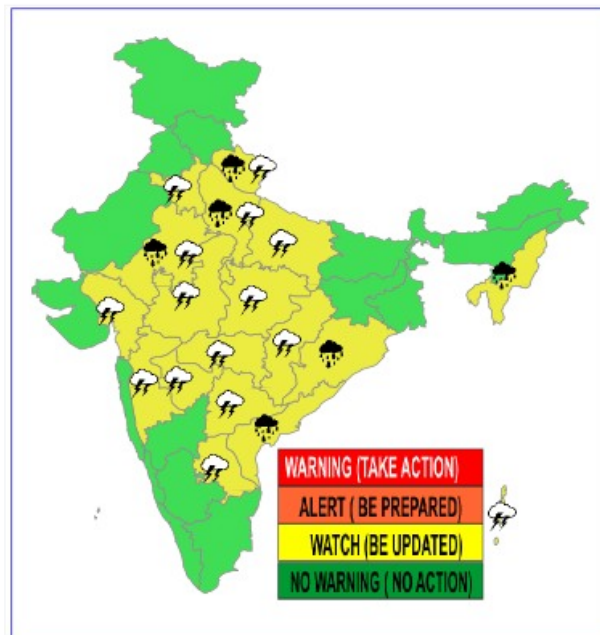
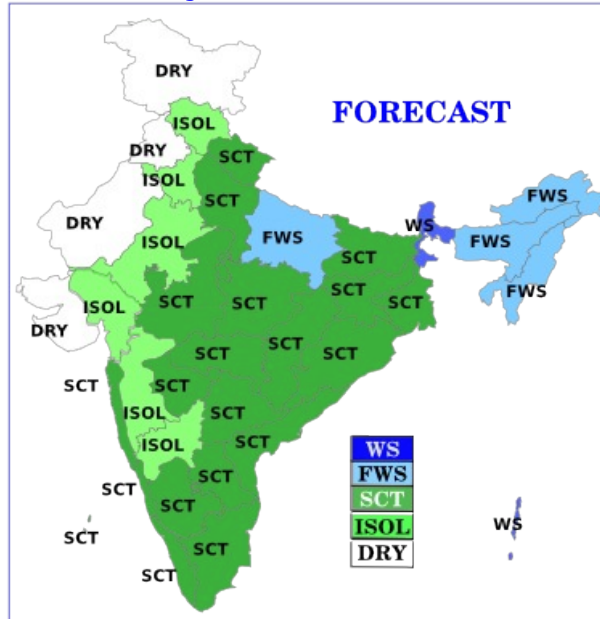
\* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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](http://www.imd.gov.in) or contact : +91 11 24631913, 24643965, 24629798

(Circle as the Nation since 1975)

## Monday 10 October 2022



**10 Oct (Day 5): ♦ Heavy rainfall** at isolated places likely over Odisha, Coastal Andhra Pradesh & Yanam, West Uttar Pradesh, Uttarakhand, East Rajasthan and Nagaland, Manipur, Mizoram & Tripura.

♦ **Thunderstorm accompanied with lightning** at isolated places very likely over Uttarakhand, Haryana, East Rajasthan, Uttar Pradesh, Madhya Pradesh, Chhattisgarh, Telangana, Rayalaseema, Gujarat region, Madhya Maharashtra, Marathwada, Vidarbha and Andaman & Nicobar Islands.

♦ **Squally winds** (wind speed 45-55 kmph gusting to 65 kmph) is likely over Gulf of Mannar, Southwest Arabian Sea, along & off Somalia coast. Fishermen are advised not to venture into these seas.

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

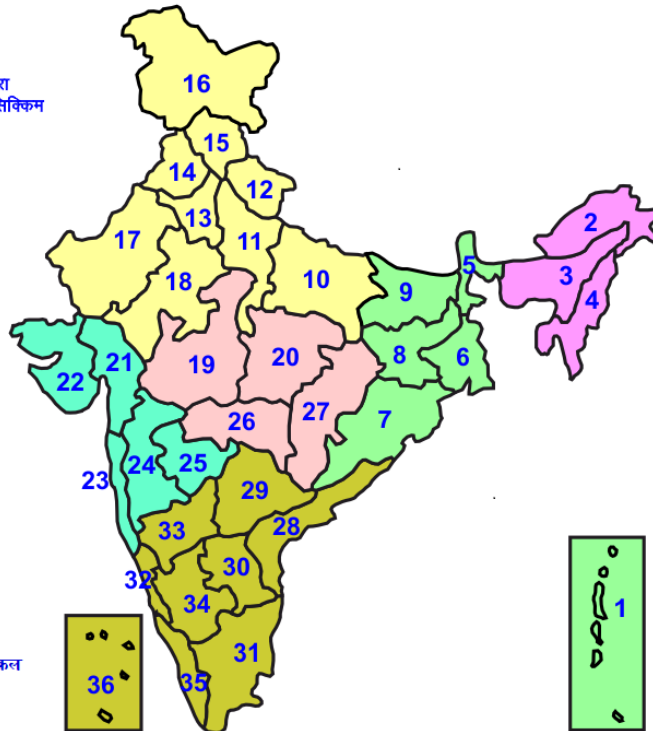
Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit [www.imd.gov.in](http://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

<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

\* 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](http://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  $4.5^{\circ}\text{C}$  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)

\* 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](http://www.imd.gov.in) or contact : +91 11 24631913, 24643965, 24629798

(Created by the Meteorology Dept)