



Wednesday 29 April 2020

EVENING

Time of Issue: 1630 hours IST

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

- ◆ A Low Pressure area is very likely to form over south Andaman Sea and neighbourhood during next 48 hours. It is very likely to become more marked and concentrate into a depression during subsequent 48 hours and likely to intensify further thereafter. It is very likely to move north-northwestwards during 01st – 03rd May and subsequently north-northeastwards towards Myanmar - Bangladesh coasts. Under its influence, Squally winds, speed reaching 40-50 kmph gusting to 60 kmph on 01st May over south Andaman Sea, Nicobar Islands and adjoining southeast Bay of Bengal; wind speed reaching 45-55 kmph gusting to 65 kmph over the same regions on 02nd May and wind speed reaching 50-60 kmph gusting to 70 kmph over southeast Bay of Bengal and adjoining south Andaman Sea on 03rd May. Heavy to very heavy rainfall at a few places are also likely over Nicobar Islands on 02nd May and heavy rain at isolated places on 01st & 03rd May over the same region.
- ◆ Under the influence of trough/Wind Discontinuity across Peninsular India, scattered to fairly widespread rain/thundershowers are likely over Kerala & Mahe during next 2 days, over Maharashtra, Goa and north Interior Karnataka mainly during 29th April to 01st May. Isolated thunderstorms, lightning, gusty winds (30-40 kmph) are also likely over these regions during this period.
- ◆ An approaching Western Disturbance is likely to cause isolated to scattered rain/thundershowers over Western Himalayan Region, Punjab and Haryana, Chandigarh & Delhi from tomorrow with peak activity around 30th April-01st May.

Main Weather Observations

- ◆ **Rain/Thundershowers observed (from 0830 hours IST of yesterday to 0830 hours IST of today):** at most places over Andaman & Nicobar Islands, Rayalaseema and Kerala & Mahe; at many places over West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and South Interior Karnataka; at a few places over East Madhya Pradesh, Odisha, Telangana and Tamilnadu, Puducherry & Karaikal and at isolated places over Himachal Pradesh, Uttarakhand, Uttar Pradesh, Rajasthan, Haryana, Chandigarh & Delhi, West Madhya Pradesh, Bihar, Jharkhand, Odisha, Vidarbha, Chhattisgarh, Coastal Andhra Pradesh & Yanam and North Interior Karnataka.
- ◆ **Rainfall recorded (from 0830 hours IST of yesterday to 0830 hours IST of today) (3 cm or more):-** Bangalore-9; Thiruvananthapuram, Cherrapunji and Agartala-5 each; Anantapur, Coimbatore, Dhubri and Kailashahar-4 each; Arogyavaram, Tiruttani, Vellore, Cochin, Periakulam, Pasighat and Goalpara-3 each.
- ◆ **Heavy to very heavy rainfall** reported at isolated places over Kerala and **heavy rainfall** at isolated places over Rayalaseema, South Interior Karnataka and Tamilnadu. **Hailstorm** reported at isolated places over West Madhya Pradesh and Telangana. **Thundersquall** (speed exceeding 65 kmph) reported at isolated places over Vidarbha.
- ◆ **Thunderstorm (from 1130 hours IST to 1430 hours IST of today)** observed at isolated places over A & M, Uttarakhand, West Bengal & Sikkim, Odisha, Vidarbha and Madhya Maharashtra.
- ◆ **Maximum Temperature Departures as on 28-04-2020:** Maximum temperatures were **appreciably above normal (3.1°C to 5.0°C)** at isolated place over east Assam; **above normal (1.6°C to 3.0°C)** at most places over Lakshadweep; at many places over Konkan & Goa and Kerala & Mahe and at isolated places over Coastal & South Interior Karnataka and Tamilnadu, Puducherry & Karaikal. They were **markedly below normal (-5.1°C or less)** at most places over West Uttar Pradesh, Bihar, Jharkhand and Sub-Himalayan West Bengal & Sikkim; at many places over East Uttar Pradesh; at a few places over Uttarakhand and north Odisha and at isolated places over Haryana, Chandigarh & Delhi, East Madhya Pradesh and Gangetic West Bengal; **appreciably below normal (-3.1°C to 5.0°C)** at most places over Punjab and at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad, Chhattisgarh, Vidarbha, South Odisha, west Assam and Telangana; **below normal (-1.6°C to -3.0°C)** at many places over Rajasthan and West Madhya Pradesh and at a few places over Coastal Andhra Pradesh and at isolated places over Tamilnadu, Puducherry & Karaikal and near normal over rest parts of the country. Yesterday, the highest maximum temperature of **42.4°C** was reported at Phalodi (**West Rajasthan**).
- ◆ **Minimum Temperature Departures as on 29-04-2020:** Minimum temperatures are **appreciably above normal (3.1°C to 5.0°C)** at isolated places over Gujarat and Madhya Maharashtra; **above normal (1.6°C to 3.0°C)** at many places over West Rajasthan and Lakshadweep; at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad and Konkan & Goa. They are **markedly below normal (-5.1°C or less)** at isolated places over East Uttar Pradesh and Rayalaseema; **appreciably below normal (-3.1°C to -5.0°C)** at a few places over Jharkhand, Vidarbha, Chhattisgarh and Odisha; at isolated places over West Uttar Pradesh, Madhya Pradesh, Telangana, Gangetic West Bengal and Tamilnadu, Puducherry & Karaikal; **below normal (-1.6°C to -3.0°C)** at many places over Himachal Pradesh and Bihar; at isolated places over Haryana, Chandigarh & Delhi, Punjab, Assam & Meghalaya, South Interior Karnataka and Kerala & Mahe and near normal over rest parts of the country. The lowest minimum temperature of **14.7°C** reported at **Fatehgarh (East Uttar Pradesh)** 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

(Copies of the Bulletin @ 1630)

### Meteorological Analysis (Based on 1430 hours IST)

- ◆ The cyclonic circulation over north Sumatra & neighbourhood extending upto 3.6 km above mean sea level persists .It is very likely to move west-northwestwards and under its influence, a Low Pressure area is very likely to form over south Andaman Sea and neighbourhood during next 48 hours. It is very likely to become more marked and concentrate into a depression during subsequent 48 hours and likely to intensify further thereafter. It is very likely to move north-northwestwards during 01st – 03rd May and subsequently north-northeastwards towards Myanmar - Bangladesh coasts.
- ◆ The trough in mid & upper tropospheric westerlies with its axis between 3.1 & 9.6 km above mean sea level now runs roughly along longitude 90°E to the north of latitude 25°N.
- ◆ The Western Disturbance as a cyclonic circulation over northwest Afghanistan & neighbourhood extending upto 3.1 km above mean sea level persists.
- ◆ The cyclonic circulation over Sub-Himalayan West Bengal & neighbourhood at 2.1 km above mean sea level persists.
- ◆ The cyclonic circulation over south Chhattisgarh & neighbourhood at 1.5 km above mean sea level persists.
- ◆ The trough/wind discontinuity from southwest Madhya Pradesh to south Tamilnadu extending upto 0.9 km above mean sea level across Madhya Maharashtra and Interior Karnataka persists.
- ◆ The cyclonic circulation over eastcentral Arabian Sea off south Maharashtra coast between 1.5 & 2.1 km above mean sea level persists.

### Weather Forecast for next 5 days \* upto 0830 hours IST of 04th May, 2020

- ◆ Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- ◆ Rise in maximum temperature by 2-3°C likely over parts of Northwest and Central India during next 2 days. No significant change in maximum temperatures likely over the rest of the country during the same period.

### Weather Outlook for subsequent 2 days from 04th May to 06th May, 2020

- ◆ Fairly widespread to widespread rain likely over Northeast & adjoining Eastern India, Western Himalayan Region, Andaman & Nicobar and Lakshadweep Islands with isolated heavy rain over parts of East & Northeast India.
- ◆ Scattered to fairly widespread rain/thundershowers likely over Northwest India and peninsular India.
- ◆ Isolated rainfall likely over parts of Central India.
- ◆ Dry weather likely to prevail over the rest of the country.

## Weather Warning during next 5 days \*

**29 April (Day 1): ♦ Thunderstorm accompanied with lightning, hail & gusty winds** (speed reaching 30-40 kmph) very likely at isolated places over Madhya Maharashtra, Telangana and Rayalaseema; **with lightning & gusty winds** (speed reaching 40-50 kmph) at isolated places over Sub-Himalayan West Bengal; **with lightning & gusty winds** (speed reaching 30-40 kmph) at isolated places over Gangetic West Bengal, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Marathawada, Konkan & Goa, Coastal Andhra Pradesh & Yanam, South Interior Karnataka, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe and **with lightning** at isolated places over Vidarbha, Chhattisgarh, Bihar, Jharkhand, Odisha and Coastal & North Interior Karnataka.

♦ **Heavy rainfall** likely at isolated places over Rayalaseema, South Interior Karnataka, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe.

**30 April (Day 2): ♦ Thunderstorm accompanied with lightning, hail & gusty winds** (speed reaching 30-40 kmph) very likely at isolated places over Himachal Pradesh, Uttarakhand, Chhattisgarh, Telangana and Madhya Maharashtra; **with lightning & gusty winds** (speed reaching 40-50 kmph) at isolated places over Sub-Himalayan West Bengal & Sikkim; **with lightning & gusty winds** (speed reaching 30-40 kmph) at isolated places over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Madhya Pradesh, Vidarbha, Gangetic West Bengal, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Marathawada, Konkan & Goa, Karnataka, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe and **with lightning** at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad, Rajasthan, Bihar, Jharkhand, Odisha, Arunachal Pradesh, Coastal Andhra Pradesh & Yanam and Rayalaseema.

♦ **Heavy rainfall** very likely isolated places over Coastal & South Interior Karnataka, Kerala & Mahe and Sub-Himalayan West Bengal & Sikkim.

**01 May (Day 3): ♦ Thunderstorm accompanied with lightning, hail & gusty winds** (speed reaching 30-40 kmph) very likely at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad, Vidarbha and Chhattisgarh; **with lightning & gusty winds** (speed reaching 40-50 kmph) at isolated places over Andaman & Nicobar Islands; **with lightning & gusty winds** (speed reaching 30-40 kmph) at isolated places over East Uttar Pradesh, East Madhya Pradesh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Telangana and Kerala & Mahe and **with lightning** at isolated places over Konkan & Goa, Rayalaseema, Coastal & South Interior Karnataka and Tamilnadu, Puducherry & Karaikal.

♦ **Duststorm/thunderstorm** accompanied with gusty winds (speed reaching 30-40 kmph) very likely at isolated places over Rajasthan.

♦ **Heavy rainfall** very likely isolated places over Nicobar Islands.

♦ **Squally winds**, speed reaching 40-50 kmph gusting to 60 kmph is likely to prevail over south Andaman Sea, Nicobar Islands and adjoining southeast Bay of Bengal.

♦ Sea condition will be rough to very rough over north Sumatra coast, south Andaman Sea and adjoining southeast Bay of Bengal. The fishermen are advised not to venture into these areas.

**02 May (Day 4): ♦ Thunderstorm accompanied with lightning, hail & gusty winds** (speed reaching 30-40 kmph) likely at isolated places over Uttarakhand and East Madhya Pradesh; **with lightning & gusty winds** (speed reaching 40-50 kmph) at isolated places over Andaman & Nicobar Islands and Gangetic West Bengal; **with lightning & gusty winds** (speed reaching 30-40 kmph) at isolated places over West Madhya Pradesh, Vidarbha, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Coastal Andhra Pradesh & Yanam, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe and **with lightning** at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad, Bihar, Konkan & Goa and Coastal & South Interior Karnataka.

♦ **Duststorm/thunderstorm** accompanied with gusty winds (speed reaching 30-40 kmph) very likely at isolated places over Rajasthan.

♦ **Heavy to very heavy rainfall** likely a few places over Nicobar Islands.

♦ **Squally winds**, speed reaching 45-55 kmph gusting to 65 kmph is likely to prevail over south Andaman Sea and adjoining southeast Bay of Bengal.

♦ Sea condition will be rough to very rough over south Andaman Sea and adjoining southeast Bay of Bengal. The fishermen are advised not to venture into these areas.

**03 May (Day 5): ♦ Thunderstorm accompanied with lightning, hail & gusty winds** (speed reaching 30-40 kmph) likely at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad, Himachal Pradesh and Uttarakhand; **with lightning & gusty winds** (speed reaching 40-50 kmph) at isolated places over Gangetic West Bengal, Odisha, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura; **with lightning & gusty winds** (speed reaching 30-40 kmph) at isolated places over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, Madhya Pradesh, Chhattisgarh, Jharkhand, Bihar, Sub-Himalayan West Bengal & Sikkim, Telangana and Kerala & Mahe and **with lightning** at isolated places over Rajasthan, Coastal Andhra Pradesh & Yanam, Karnataka and Odisha.

♦ **Heavy rainfall** likely at isolated places with over Nicobar Islands.

♦ **Squally winds**, speed reaching 50-60 kmph gusting to 70 kmph is likely to prevail over southeast Bay of Bengal and adjoining south Andaman Sea.

♦ Sea condition will be rough to very rough over southeast Bay of Bengal and adjoining south Andaman Sea. The fishermen are advised not to venture into these areas.

\* 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 of the National Alert 1077)



Kindly visit State level Meteorological Centre / Regional Meteorological Centre website for district wise forecast & color coded 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 Nation since 1975)*



**Table-1**  
**5 Day Rainfall Forecast (EVENING)**  
**29-April-2020**

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

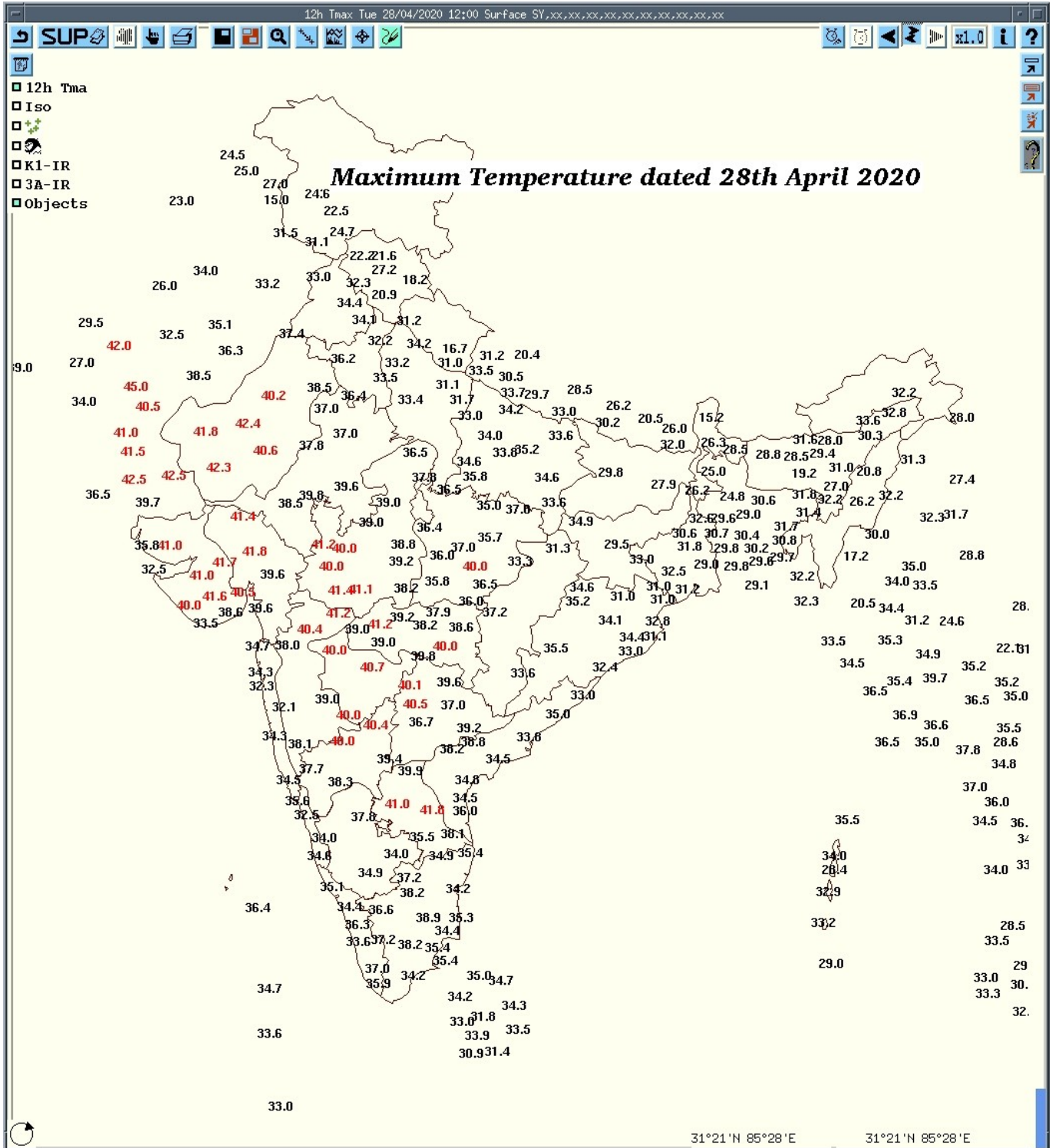
Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

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: Maximum Temperature during past 24 hours



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

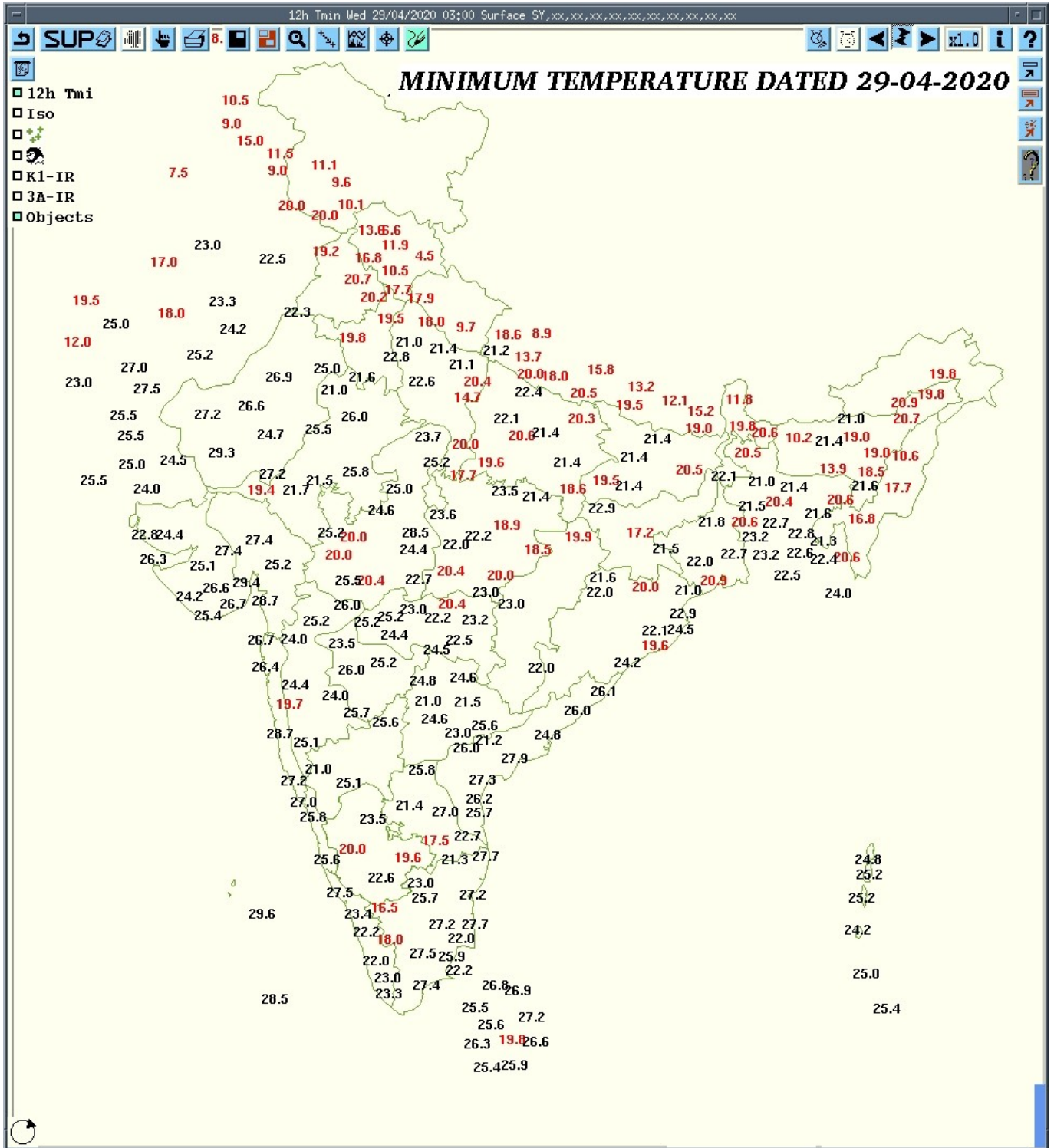
Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

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 class 1977)



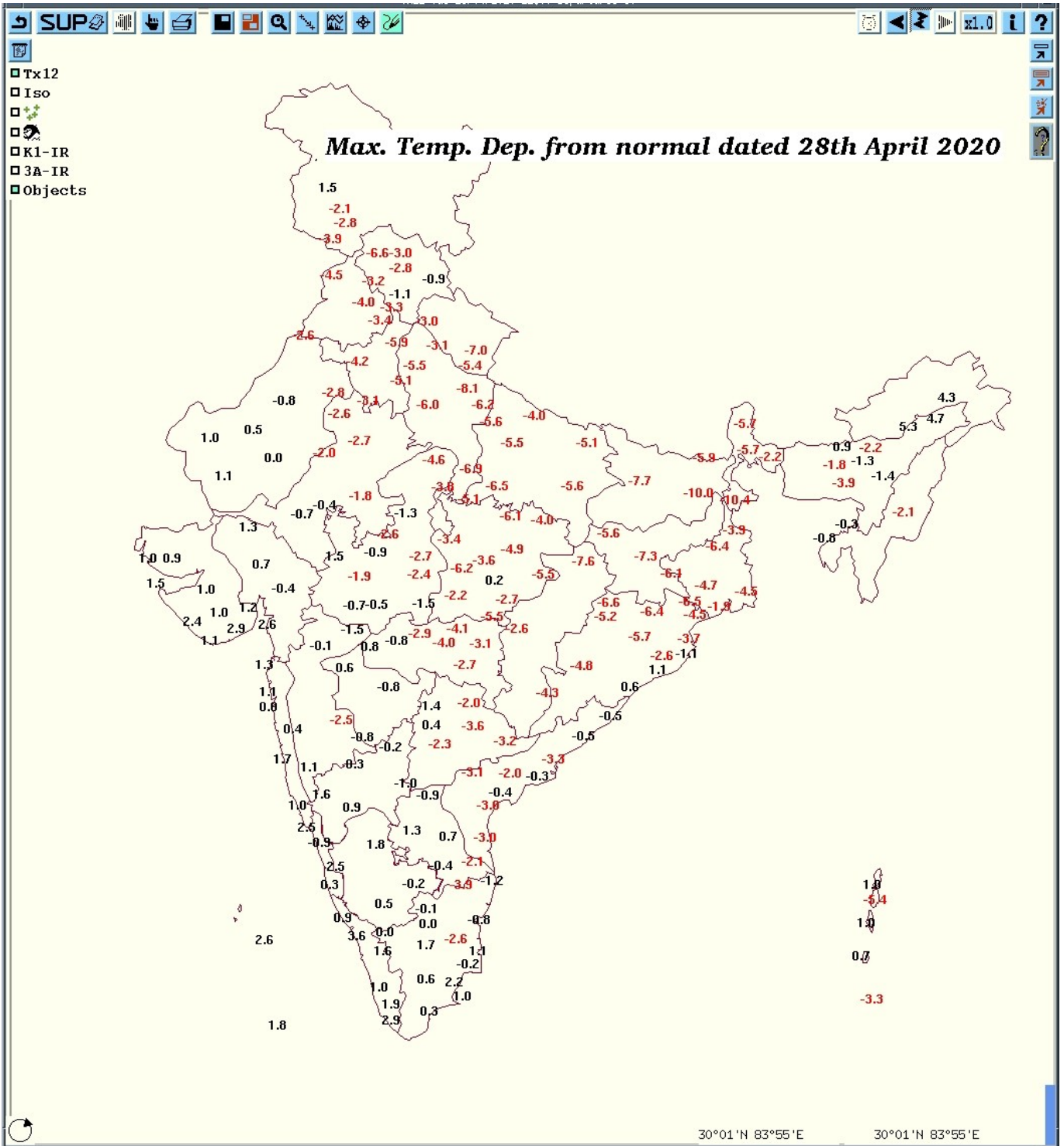
Fig. 2: Minimum Temperature during past 24 hours



\* 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



Fig. 3 : Departure from Normal of Maximum Temperatures

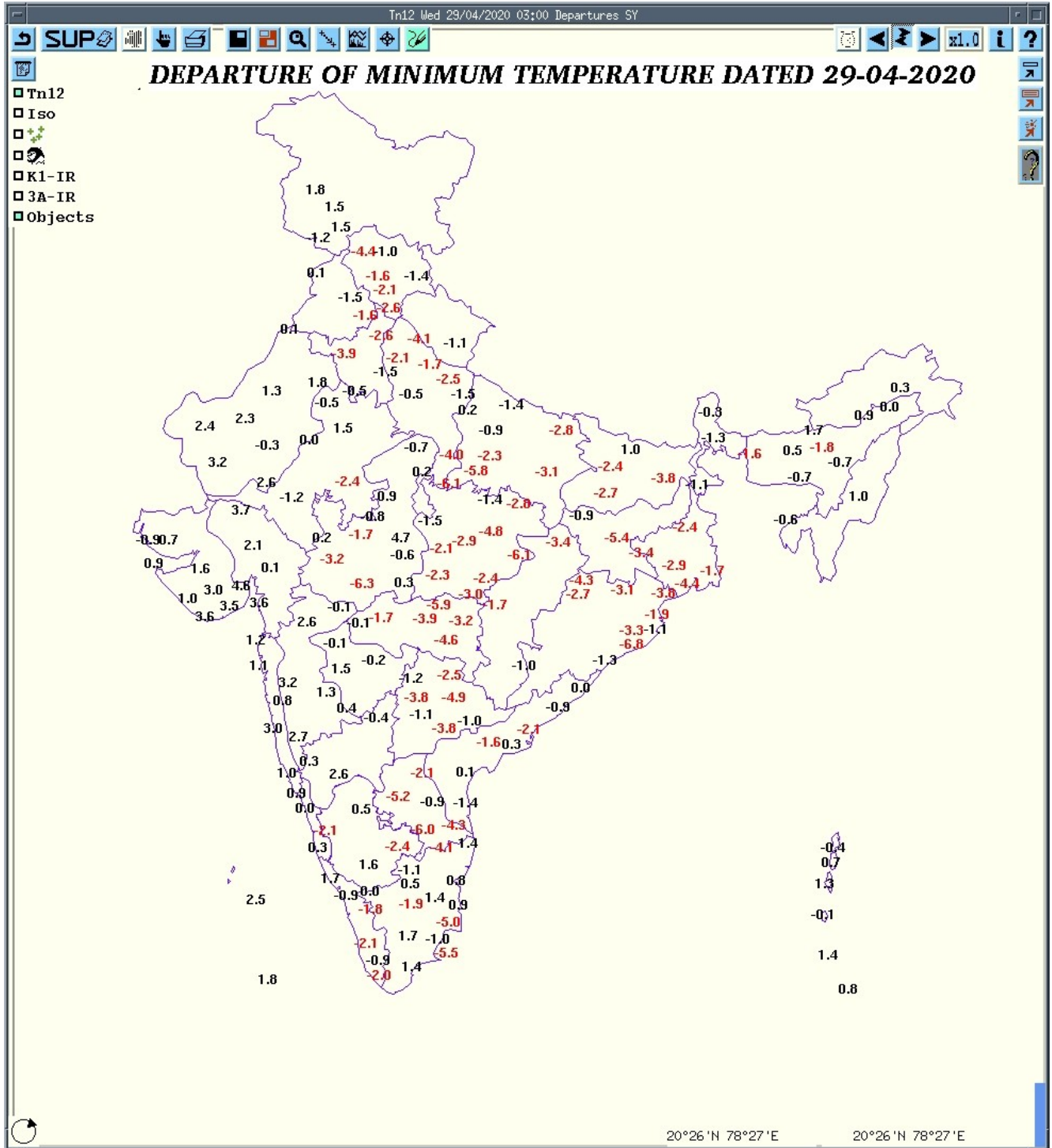


\* Red color warning does not mean "Red Alert" Red color warning means "Take Action".  
Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day  
For more details kindly visit [www.imd.gov.in](http://www.imd.gov.in) or contact : +91 11 24631913, 24643965,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





Fig. 4 : Departure from Normal of Minimum Temperatures



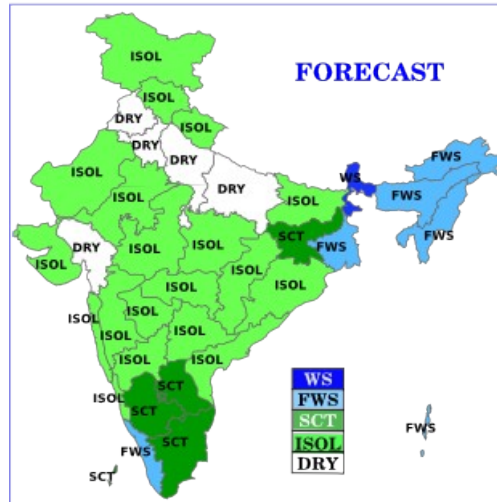
\* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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

(Created by the MetInfo team 1977)

## Wednesday 29 April 2020



**29 April (Day 1):** ♦ **Thunderstorm accompanied with lightning, hail & gusty winds** (speed reaching 30-40 kmph) very likely at isolated places over Madhya Maharashtra, Telangana and Rayalaseema; **with lightning & gusty winds** (speed reaching 40-50 kmph) at isolated places over Sub-Himalayan West Bengal; **with lightning & gusty winds** (speed reaching 30-40 kmph) at isolated places over Gangetic West Bengal, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Marathwada, Konkan & Goa, Coastal Andhra Pradesh & Yanam, South Interior Karnataka, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe and **with lightning** at isolated places over Vidarbha, Chhattisgarh, Bihar, Jharkhand, Odisha and Coastal & North Interior Karnataka.

♦ **Heavy rainfall** likely at isolated places over Rayalaseema, South Interior Karnataka, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe.

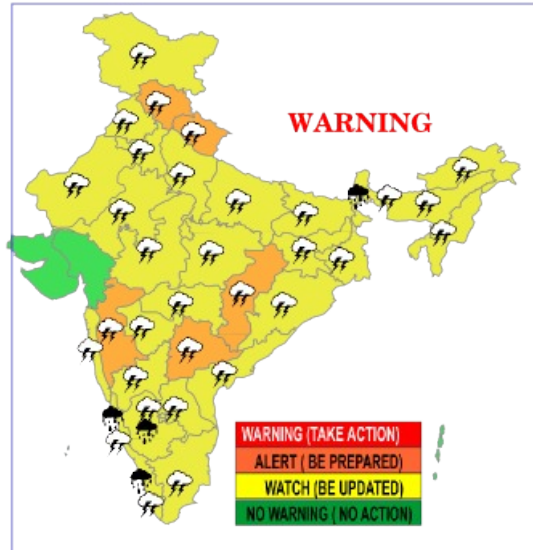
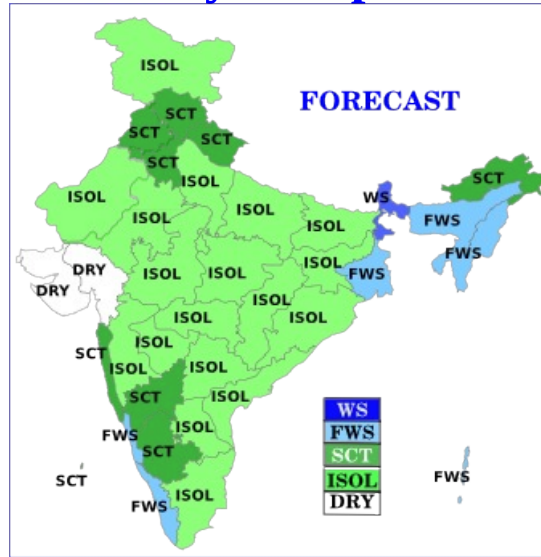
\* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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 MeteoApp 1.0.0)

## Thursday 30 April 2020



**30 April (Day 2):** ♦ **Thunderstorm accompanied with lightning, hail & gusty winds** (speed reaching 30-40 kmph) very likely at isolated places over Himachal Pradesh, Uttarakhand, Chhattisgarh, Telangana and Madhya Maharashtra; **with lightning & gusty winds** (speed reaching 40-50 kmph) at isolated places over Sub-Himalayan West Bengal & Sikkim; **with lightning & gusty winds** (speed reaching 30-40 kmph) at isolated places over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Madhya Pradesh, Vidarbha, Gangetic West Bengal, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Marathawada, Konkan & Goa, Karnataka, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe and **with lightning** at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad, Rajasthan, Bihar, Jharkhand, Odisha, Arunachal Pradesh, Coastal Andhra Pradesh & Yanam and Rayalaseema.

♦ **Heavy rainfall** very likely isolated places over Coastal & South Interior Karnataka, Kerala & Mahe and Sub-Himalayan West Bengal & Sikkim.

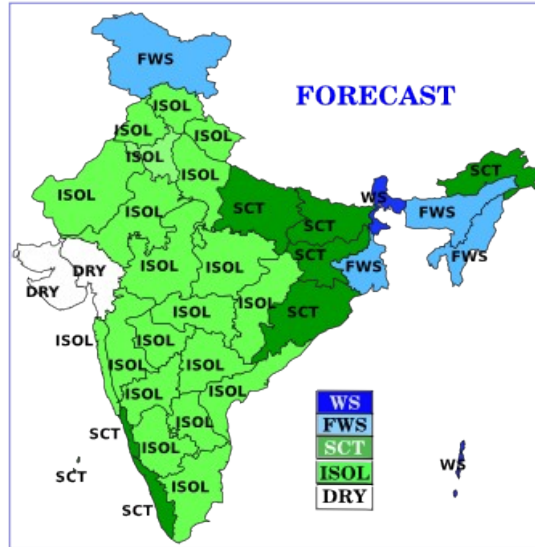
\* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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 1000)

## Friday 01 May 2020



**01 May (Day 3): ♦ Thunderstorm accompanied with lightning, hail & gusty winds** (speed reaching 30-40 kmph) very likely at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad, Vidarbha and Chhattisgarh; **with lightning & gusty winds** (speed reaching 40-50 kmph) at isolated places over Andaman & Nicobar Islands; **with lightning & gusty winds** (speed reaching 30-40 kmph) at isolated places over East Uttar Pradesh, East Madhya Pradesh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Telangana and Kerala & Mahe and **with lightning** at isolated places over Konkan & Goa, Rayalaseema, Coastal & South Interior Karnataka and Tamilnadu, Puducherry & Karaikal.

♦ **Duststorm/thunderstorm** accompanied with gusty winds (speed reaching 30-40 kmph) very likely at isolated places over Rajasthan.

♦ **Heavy rainfall** very likely isolated places over Nicobar Islands.

♦ **Squally winds**, speed reaching 40-50 kmph gusting to 60 kmph is likely to prevail over south Andaman Sea, Nicobar Islands and adjoining southeast Bay of Bengal.

♦ Sea condition will be rough to very rough over north Sumatra coast, south Andaman Sea and adjoining southeast Bay of Bengal. The fishermen are advised not to venture into these areas.

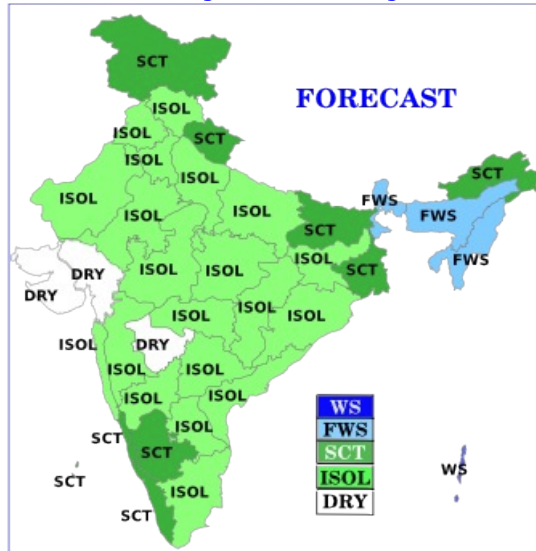
\* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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)

## Saturday 02 May 2020



**02 May (Day 4):** ♦ **Thunderstorm accompanied with lightning, hail & gusty winds** (speed reaching 30-40 kmph) likely at isolated places over Uttarakhand and East Madhya Pradesh; **with lightning & gusty winds** (speed reaching 40-50 kmph) at isolated places over Andaman & Nicobar Islands and Gangetic West Bengal; **with lightning & gusty winds** (speed reaching 30-40 kmph) at isolated places over West Madhya Pradesh, Vidarbha, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Coastal Andhra Pradesh & Yanam, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe and **with lightning** at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad, Bihar, Konkan & Goa and Coastal & South Interior Karnataka.

♦ **Duststorm/thunderstorm** accompanied with gusty winds (speed reaching 30-40 kmph) very likely at isolated places over Rajasthan.

♦ **Heavy to very heavy rainfall** likely a few places over Nicobar Islands.

♦ **Squally winds**, speed reaching 45-55 kmph gusting to 65 kmph is likely to prevail over south Andaman Sea and adjoining southeast Bay of Bengal.

♦ Sea condition will be rough to very rough over south Andaman Sea and adjoining southeast Bay of Bengal. The fishermen are advised not to venture into these areas.

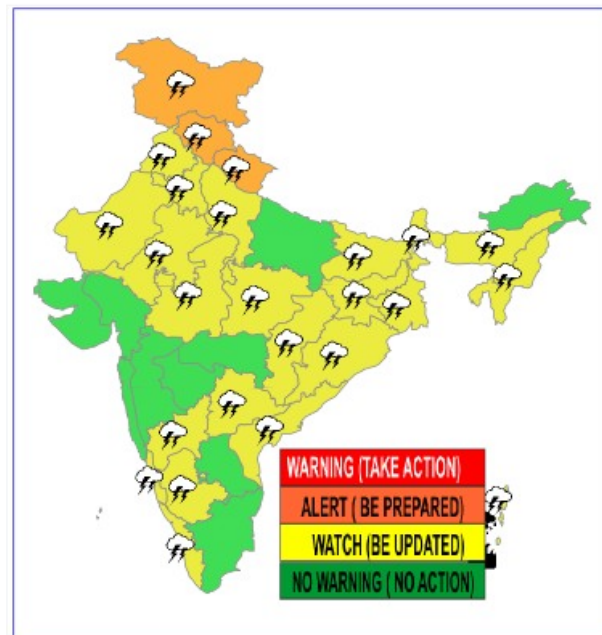
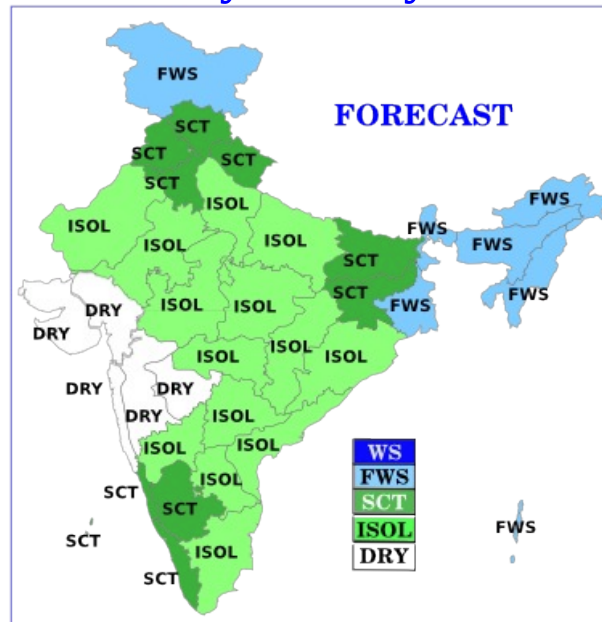
\* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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)

## Sunday 03 May 2020



**03 May (Day 5):** ♦ **Thunderstorm accompanied with lightning, hail & gusty winds** (speed reaching 30-40 kmph) likely at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad, Himachal Pradesh and Uttarakhand; **with lightning & gusty winds** (speed reaching 40-50 kmph) at isolated places over Gangetic West Bengal, Odisha, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura; **with lightning & gusty winds** (speed reaching 30-40 kmph) at isolated places over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, Madhya Pradesh, Chhattisgarh, Jharkhand, Bihar, Sub-Himalayan West Bengal & Sikkim, Telangana and Kerala & Mahe and **with lightning** at isolated places over Rajasthan, Coastal Andhra Pradesh & Yanam, Karnataka and Odisha.

♦ **Heavy rainfall** likely at isolated places with over Nicobar Islands.

♦ **Squally winds**, speed reaching 50-60 kmph gusting to 70 kmph is likely to prevail over southeast Bay of Bengal and adjoining south Andaman Sea.

♦ Sea condition will be rough to very rough over southeast Bay of Bengal and adjoining south Andaman Sea. The fishermen are advised not to venture into these areas.

\* 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

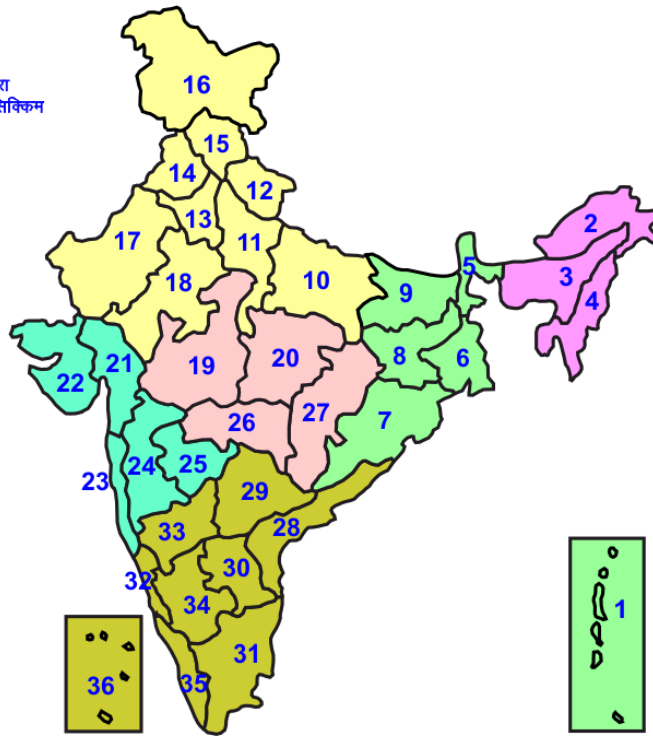
For more details kindly visit [www.imd.gov.in](http://www.imd.gov.in) or contact : +91 11 24631913, 24643965, 24629798

(Circle as the National 1077)



## LEGENDS

- 1 अंडमान और निकोबार द्वीप समुह
- 2 अरुणाचल प्रदेश
- 3 असम और मेघालय
- 4 नागालैंड मनीपुर मीजोरम और त्रिपुरा
- 5 उप हिमालय पश्चिम बंगाल एवं सिक्किम
- 6 पश्चिम गंगेय बंगाल
- 7 ओडिसा
- 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
- 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 तटिय आंध्र प्रदेश
- 29 तेलंगाना
- 30 रायलसीमा
- 31 तमिलनाडु
- 32 तटिय कर्नाटक
- 33 आंतरिक उत्तरी कर्नाटक
- 34 आंतरिक दक्षिणी कर्नाटक
- 35 केरल
- 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
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
29. Telangana
30. Rayalaseema
31. Tamilnadu & Pondi
32. Coastal Karnataka
33. North Interior Karnataka
34. South Interior Karnataka
35. Kerala
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)
Dry (No station reported Rainfall)			

## 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 1077)

## LEGENDS

### 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



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 Strom: 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

(Copies to the Meteorologist (GPO))