



Saturday 01 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 Jammu, Una, Chandigarh, Karnal, Baghpat, Delhi, Alwar, Jodhpur and Nalia.

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

□ A cyclonic circulation lies over Westcentral Bay of Bengal off Andhra Pradesh coast in lower tropospheric levels.

□ An east-west trough runs from cyclonic circulation over Westcentral Bay of Bengal off Andhra Pradesh coast to Coastal Karnataka in lower tropospheric levels.

□ A cyclonic circulation is likely to emerge into northeast and adjoining eastcentral Bay of Bengal during next 24 hours.

◆ **Under the influence of above systems:**

o Fairly widespread/widespread light/moderate rainfall with isolated **heavy falls** & thunderstorm/lightning very likely over Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal on 01st October.

o Scattered to fairly widespread light/moderate rainfall with isolated **heavy falls** very likely over East Madhya Pradesh, Chhattisgarh, Bihar, Sub-Himalayan West Bengal & Sikkim on 4th & 5th October; over Jharkhand on 03-05th; over Gangetic West Bengal during 02nd - 5th; over Odisha during 01st – 05th October, 2022. **Isolated very heavy rainfall also very likely over Coastal Andhra Pradesh & Yanam on 1st; over Odisha on 03rd-5th October, 2022.**

o Fairly widespread/widespread light/moderate rainfall with isolated **heavy falls** & thunderstorm/lightning very likely over Andaman & Nicobar Islands on 01st, 03-05th; Assam & Meghalaya on 02-05th and over Nagaland, Manipur, Mizoram & Tripura on 01st, 02nd & 3rd 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 or contact : +91 11 24631913, 24643965, 24629798

(Circle as the National 1077)



- ◆ **Rainfall/thundershower observed (from 0830 hours IST to 1730 hours IST of yesterday):** at most place over South Interior Karnataka; at many places over North Interior Karnataka and Coastal Karnataka; at a few places over Odisha, Madhya Maharashtra, Telangana, Coastal Andhra Pradesh & Yanam, Rayalaseema and Andaman & Nicobar Islands and at isolated places over Sub-Himalayan west Bengal & Sikkim, Bihar, Gangetic West Bengal, Jharkhand, Chhattisgarh, East Rajasthan, West Madhya Pradesh and Kerala & Mahe.
- ◆ **Heavy rainfall recorded (from 0830 hours IST to 1730 hours IST of yesterday):** Isolated very heavy rainfall occurred over Coastal Andhra Pradesh & Yanam.
- ◆ **Chief amount of Rainfall observed (from 0830 hours IST to 1730 hours IST of today): (1 cm or more):** Machilipatnam-10; Mangalore-4; Pune, Mahabubnagar, Hut-Bay-3 each; Dharwad and Long Island-2 each; Patna, Nasik City, Nalgonda, Baptila and Honavar-1 each.
- ◆ **Thunderstorm observed (from 0830 hours IST to 1730 hours IST of today):** at many places over Madhya Maharashtra; at isolated places over West Bengal & Sikkim, Jharkhand, Chhattisgarh, Telangana, Madhya Maharashtra, North Interior Karnataka, Coastal Andhra Pradesh & Yanam, Coastal Karnataka and Konkan & Goa.
- ◆ **Minimum Temperature Departures (as on 30-09-2022):** Minimum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places over Punjab; above normal (1.6°C to 3.0°C) at many places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Uttarakhand, East Rajasthan and East Uttar Pradesh; at a few places over Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, Himachal Pradesh, Haryana, Chandigarh & Delhi, West Rajasthan and West Madhya Pradesh and at isolated places over Gangetic West Bengal, Gujarat State, East Madhya Pradesh, Madhya Maharashtra and Tamil Nadu, Puducherry & Karaikal and near normal over rest parts of the country. Yesterday, the lowest minimum temperature of 19.5°C was reported at Mandla (East Madhya Pradesh) over the plains of the country.
- ◆ **Maximum Temperature Departures (as on 30-09-2022):** Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a most places over Assam & Meghalaya; at many places over Arunachal Pradesh and at isolated places over Sub-Himalayan West Bengal & Sikkim; above normal (1.6°C to 3.0°C) at most places over Nagaland, Manipur, Mizoram & Tripura; at many places over Uttarakhand; at a few places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Gangetic West Bengal, Madhya Maharashtra, Kerala & Mahe and Tamilnadu, Puducherry & Karaikal and at isolated places over West Madhya Pradesh, East Madhya Pradesh and Odisha. They were markedly below normal (-5.1°C or less) at isolated places over Coastal Andhra Pradesh & Yanam; appreciably below normal (3.1°C to 5.0°C) at most places over Rayalaseema and at isolated places over Telangana; below normal (-1.6°C to -3.0°C) at many places over South Interior Karnataka and Coastal Karnataka; at a few places over North Interior Karnataka, Tamilnadu, Puducherry & Karaikal and Andaman & Nicobar Islands and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 38.9°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 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 continue to pass through Jammu, Una, Chandigarh, Karnal, Baghpat, Delhi, Alwar, Jodhpur and Nalia.
- ◆ The cyclonic circulation over Westcentral Bay of Bengal off Andhra Pradesh coast extending upto 4.5 km above mean sea level persists.
- ◆ The east-west trough from cyclonic circulation over Westcentral Bay of Bengal off Andhra Pradesh coast to Coastal Karnataka across Rayalaseema & South Interior Karnataka extending upto 4.5 km above mean sea level persists.
- ◆ The cyclonic circulation over West Uttar Pradesh between 3.1 & 5.8 km above mean sea level persists.
- ◆ A cyclonic circulation is likely to emerge into northeast and adjoining eastcentral Bay of Bengal during next 24 hours.

Weather Forecast for next 5 days * upto 0830 hours IST of 06th 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 06th October-08th October, 2022

- ◆ Scattered to fairly widespread light/moderate rainfall activity likely over Uttarakhand, East Rajasthan, Uttar Pradesh, Central, East & Northeast India, Islands and along the west coasts.
- ◆ Isolated to scattered light rainfall activity likely over rest parts of the country except remaining parts of northwest India and Saurashtra & Kutch where dry weather is likely.

Weather Warning during next 5 days *

01 Oct (Day 1): ♦ Heavy to very heavy rainfall at isolated places likely over Coastal Andhra Pradesh & Yanam; **heavy rainfall** at isolated places likely over Odisha, Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram & Tripura and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning & gusty wind (speed reaching 40-50 kmph)** at isolated places very likely over Andaman & Nicobar Islands and **with lightning** at isolated places very likely over Bihar, Jharkhand, Gangetic West Bengal, Odisha, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Rayalaseema, Karnataka and Tamil Nadu, Puducherry & Karaikal.

♦ **Squally weather** (wind speed 40-45 kmph gusting to 55 kmph) is very likely over southeast and adjoining southwest Bay of Bengal and Andaman Sea. Squally winds of 45-55 kmph gusting to 65 kmph is likely over southwest Arabian Sea, along and off Somalia coast, Gulf of Mannar, along and off south Tamil Nadu, Sri Lanka coast, southeast and adjoining southwest, west-central Bay of Bengal. Fishermen are advised not to venture into these seas.

02 Oct (Day 2): ♦ Heavy rainfall at isolated places very likely over Gangetic West Bengal, Odisha, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

♦ **Thunderstorm accompanied with lightning & gusty wind (speed reaching 40-50 kmph)** at isolated places very likely over Andaman & Nicobar Islands and **with lightning** at isolated places very likely over Bihar, Jharkhand, West Bengal & Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Konkan & Goa and Tamil Nadu, Puducherry & Karaikal.

♦ **Squally weather** (wind speed 40-45 kmph gusting to 55 kmph) is very likely over southeast and adjoining southwest, east-central Bay of Bengal. Squally winds of 45-55 kmph gusting to 65 kmph is likely over southwest Arabian Sea, along and off Somalia coast, Gulf of Mannar and adjoining Comorin area, along and off Sri Lanka coast, south of southwest and adjoining southeast Bay of Bengal, northeast Bay of Bengal, along and off Myanmar coast. Fishermen are advised not to venture into these seas.

03 Oct (Day 3): ♦ Heavy to very heavy rainfall at isolated places likely over Odisha; **heavy rainfall** at isolated places likely over Jharkhand, Gangetic West Bengal, Odisha, Andaman & Nicobar Islands, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over East Madhya Pradesh, Vidarbha, Chhattisgarh and Sub-Himalayan West Bengal & Sikkim.

♦ **Squally weather** (wind speed 40-45 kmph gusting to 55 kmph) is very likely over south of southwest and adjoining southeast Bay of Bengal, Comorin area. Squally winds of 45-55 kmph gusting to 65 kmph is likely over southwest Arabian Sea, along and off Somalia coast, Gulf of Mannar and adjoining Comorin area, south of southwest Bay of Bengal, along and off south Sri Lanka coast, northwest Bay of Bengal, along and off Odisha and West Bengal coasts. Fishermen are advised not to venture into these seas.

04 Oct (Day 4): ♦ Heavy to very heavy rainfall at isolated places likely over East Madhya Pradesh, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim and Odisha; **heavy rainfall** at isolated places likely over Bihar, Jharkhand, Gangetic West Bengal, Andaman & Nicobar Islands and Assam & Meghalaya.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over Uttarakhand, Uttar Pradesh, East Rajasthan, East Madhya Pradesh, Chhattisgarh and Sub-Himalayan West Bengal & Sikkim.

♦ **Squally weather** (wind speed 40-45 kmph gusting to 55 kmph) is very likely over south of southwest and adjoining southeast Bay of Bengal, Comorin area. Squally winds of 45-55 kmph gusting to 65 kmph is likely over southwest Arabian Sea, along and off Somalia coast, Gulf of Mannar and adjoining Comorin area, southwest Bay of Bengal, along and off south Sri Lanka coast. Fishermen are advised not to venture into these seas.

05 Oct (Day 5): ♦ Heavy to very heavy rainfall at isolated places likely over East Madhya Pradesh, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim and Odisha; **heavy rainfall** at isolated places likely over Uttarakhand, north Uttar Pradesh, Bihar, Jharkhand, Gangetic West Bengal, Andaman & Nicobar Islands and Assam & Meghalaya.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over Uttarakhand, Uttar Pradesh, East Rajasthan, East Madhya Pradesh, Chhattisgarh and Sub-Himalayan West Bengal & Sikkim.

♦ **Squally weather** (wind speed 40-45 kmph gusting to 55 kmph) is very likely over south of southwest and adjoining southeast Bay of Bengal, Comorin area. Squally winds of 45-55 kmph gusting to 65 kmph is likely over southwest Arabian Sea, along and off Somalia coast, Gulf of Mannar and adjoining Comorin area, southwest Bay of Bengal, along and off south Sri Lanka 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 or contact : +91 11 24631913, 24643965, 24629798

(Circle as the National office 1877)



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

| Met-Sub-Division | 01-Oct Today | 02Oct Sun | 03Oct Mon | 04Oct Tue | 05Oct Wed |
|--------------------------------|-----------------|--------------|--------------|--------------|--------------|
| 1. Andaman & Nicobar Islands | WS | FWS | FWS | WS | WS |
| 2. Arunachal Pradesh | ISOL | ISOL | SCT | SCT | SCT |
| 3. Assam & Meghalaya | SCT | SCT | SCT | SCT | SCT |
| 4. N. M. M. & T. | FWS | FWS | FWS | FWS | FWS |
| 5. S.H. West Bengal & Sikkim | SCT | SCT | FWS | WS | WS |
| 6. Gangetic West Bengal | FWS | FWS | WS | WS | WS |
| 7. Odisha | FWS | FWS | WS | WS | WS |
| 8. Jharkhand | SCT | FWS | WS | WS | WS |
| 9. Bihar | ISOL | SCT | FWS | FWS | FWS |
| 10. East Uttar Pradesh | DRY | DRY | ISOL | SCT | SCT |
| 11. West Uttar Pradesh | DRY | DRY | DRY | ISOL | ISOL |
| 12. Uttarakhand | DRY | DRY | DRY | ISOL | SCT |
| 13. Haryana, Chd & Delhi | DRY | DRY | DRY | DRY | DRY |
| 14. Punjab | DRY | DRY | DRY | DRY | DRY |
| 15. Himachal Pradesh | DRY | DRY | DRY | ISOL | ISOL |
| 16. J & K and Ladakh | ISOL | DRY | DRY | DRY | DRY |
| 17. West Rajsthan | DRY | DRY | DRY | DRY | DRY |
| 18. East Rajasthan | ISOL | DRY | DRY | ISOL | ISOL |
| 19. West Madhya Pradesh | DRY | DRY | ISOL | ISOL | ISOL |
| 20. East Madhya Pradesh | DRY | DRY | ISOL | SCT | SCT |
| 21. Gujarat Region | ISOL | ISOL | DRY | DRY | DRY |
| 22. Saurashtra & Kutch | DRY | DRY | DRY | DRY | DRY |
| 23. Konkan & Goa | FWS | SCT | SCT | SCT | SCT |
| 24. Madhya Maharashtra | FWS | SCT | SCT | SCT | SCT |
| 25. Marathawada | ISOL | ISOL | ISOL | SCT | SCT |
| 26. Vidharbha | ISOL | ISOL | ISOL | SCT | SCT |
| 27. Chhattisgarh | ISOL | ISOL | SCT | FWS | FWS |
| 28. Coastal A. P. & Yanam | FWS | SCT | SCT | SCT | SCT |
| 29. Telangana | ISOL | ISOL | ISOL | ISOL | ISOL |
| 30. Rayalaseema | FWS | SCT | SCT | ISOL | ISOL |
| 31. T.N.,Puducherry & Karaikal | ISOL | ISOL | ISOL | ISOL | ISOL |
| 32. Coastal Karnataka | FWS | FWS | FWS | FWS | FWS |
| 33. North Interior Karnataka | FWS | FWS | FWS | FWS | FWS |
| 34. South Interior Karnataka | FWS | FWS | FWS | SCT | SCT |
| 35. Kerala & Mahe | ISOL | 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".

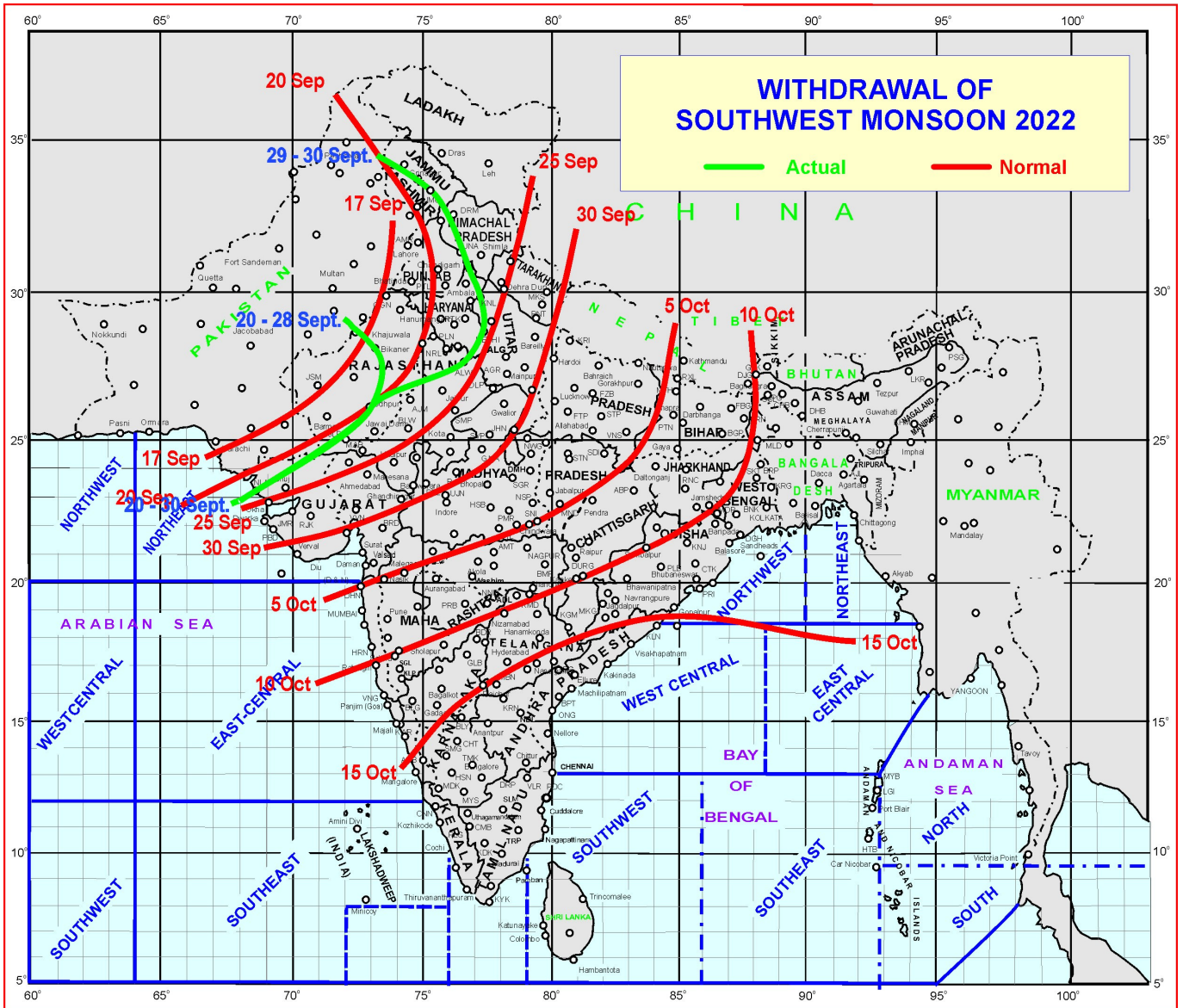
Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

For more details kindly visit www.imd.gov.in 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".

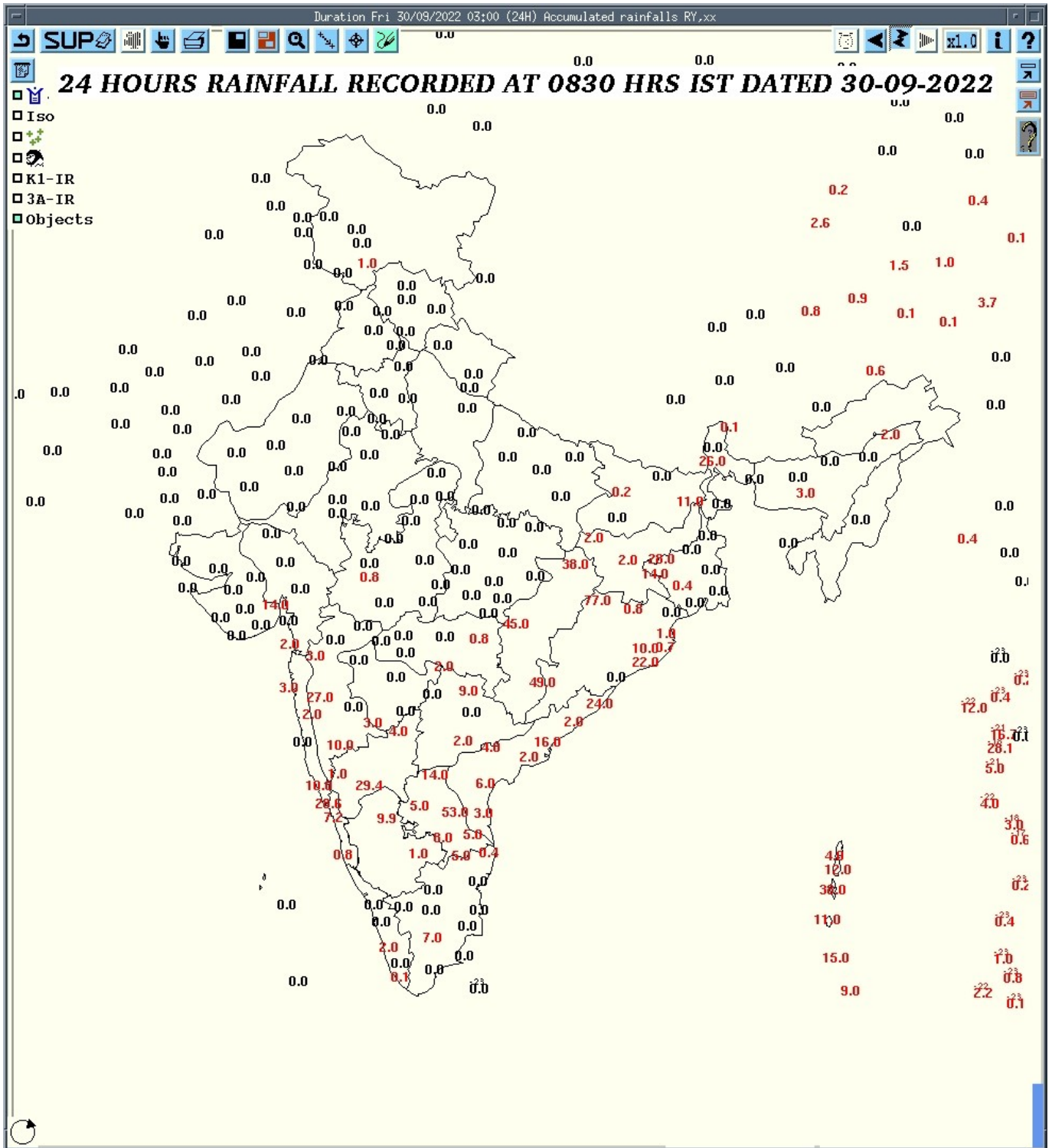
Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

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

(Copies to the Meteorology 1077)



Fig. 2: Accumulated Rainfall (mm) during past 24 hours



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

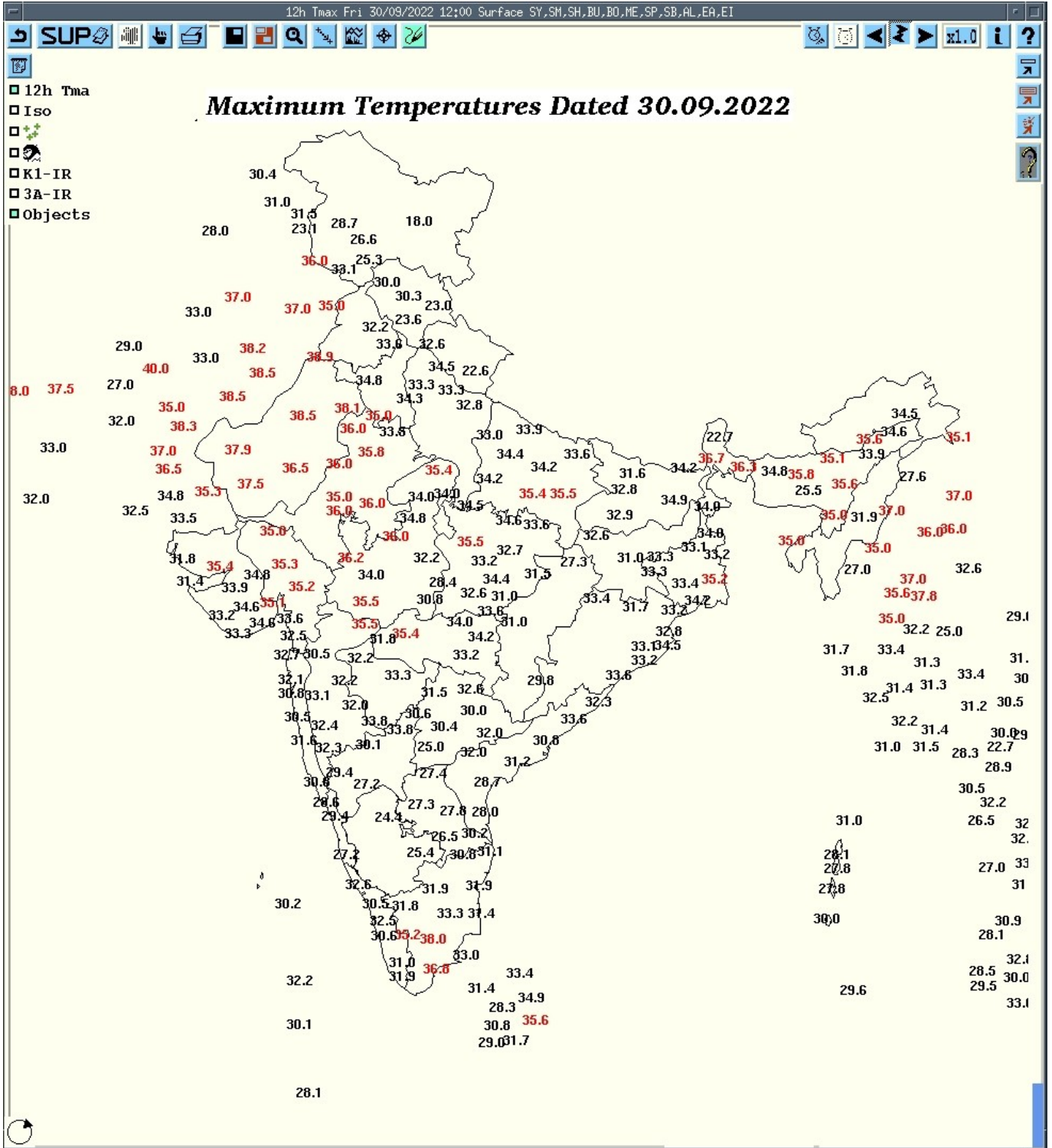
Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

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

(Created by the Met office 1077)



Fig. 3: Maximum Temperature during past 24 hours



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

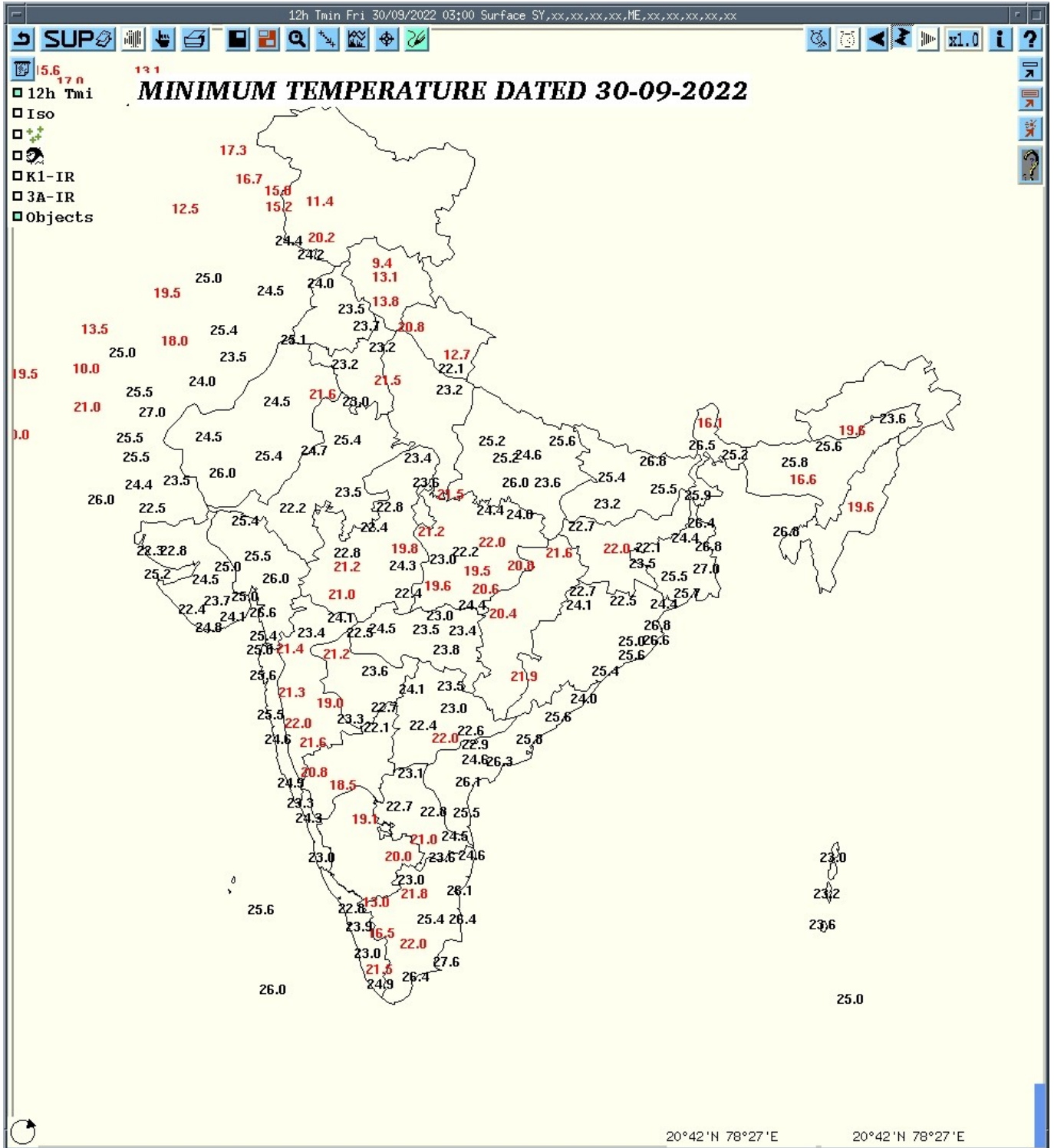
Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

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

(Created by the MetInfo class 1977)



Fig. 4: Minimum Temperature during past 24 hours

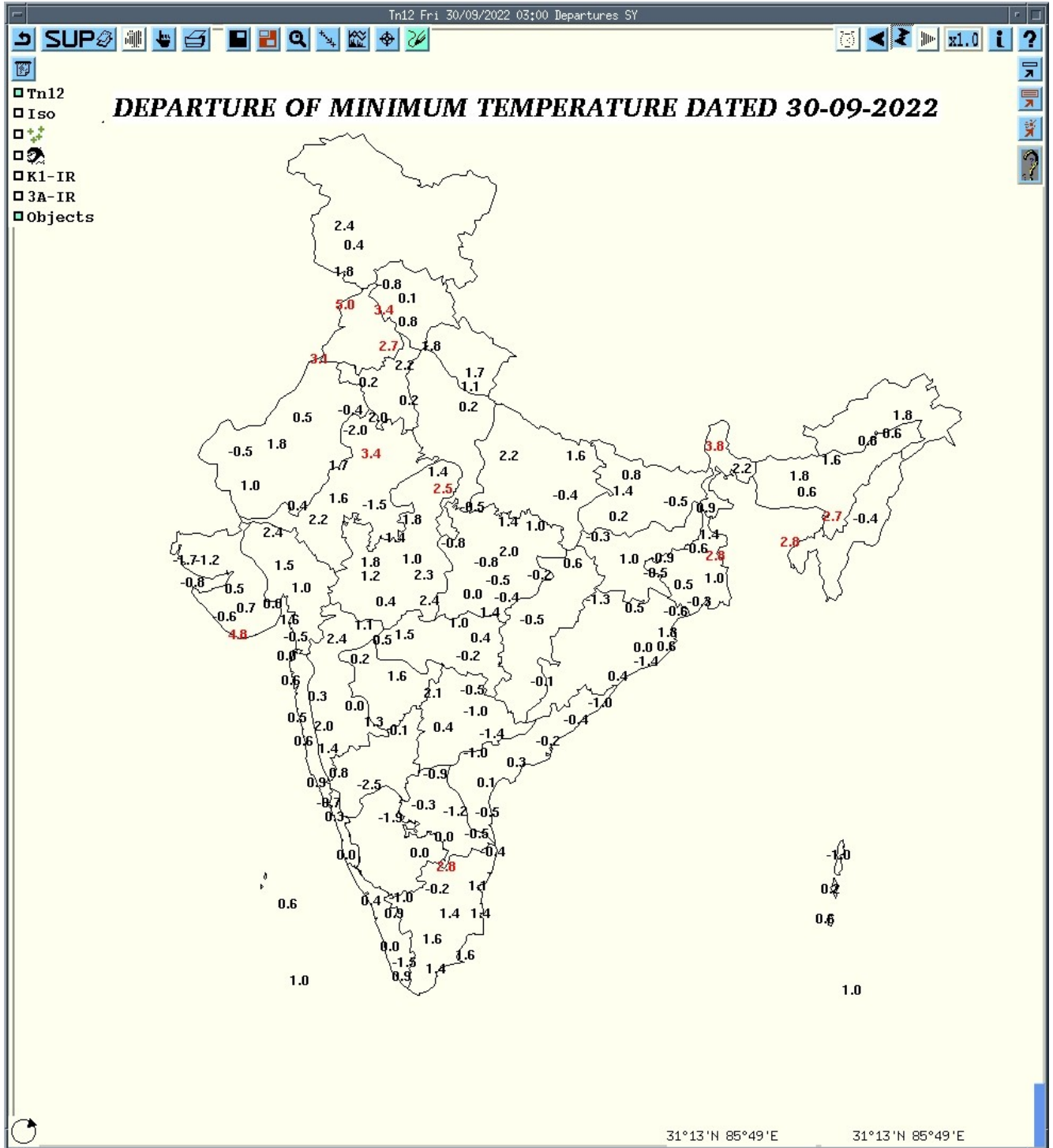


* Red color warning does not mean "Red Alert" Red color warning means "Take Action".
 Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day
 For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, 24643965, 24629798

(Created by the Meteo-plot 4.07.0)



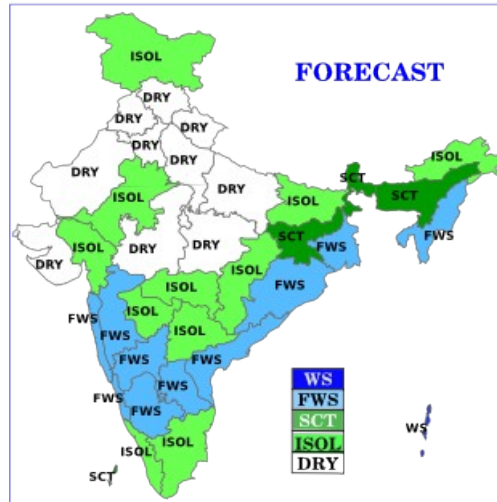
Fig. 6 : Departure from Normal of Minimum Temperatures



* 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 or contact : +91 11 24631913, 24643965, 24629798

(Circle as the National flag 1971)

Saturday 01 October 2022



01 Oct (Day 1): ♦ Heavy to very heavy rainfall at isolated places likely over Coastal Andhra Pradesh & Yanam; **heavy rainfall** at isolated places likely over Odisha, Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram & Tripura and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied with lightning & gusty wind (speed reaching 40-50 kmph)** at isolated places very likely over Andaman & Nicobar Islands and **with lightning** at isolated places very likely over Bihar, Jharkhand, Gangetic West Bengal, Odisha, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Rayalaseema, Karnataka and Tamil Nadu, Puducherry & Karaikal.

♦ **Squally weather** (wind speed 40-45 kmph gusting to 55 kmph) is very likely over southeast and adjoining southwest Bay of Bengal and Andaman Sea. Squally winds of 45-55 kmph gusting to 65 kmph is likely over southwest Arabian Sea, along and off Somalia coast, Gulf of Mannar, along and off south Tamil Nadu, Sri Lanka coast, southeast and adjoining southwest, west-central Bay of Bengal. Fishermen are advised not to venture into these seas.

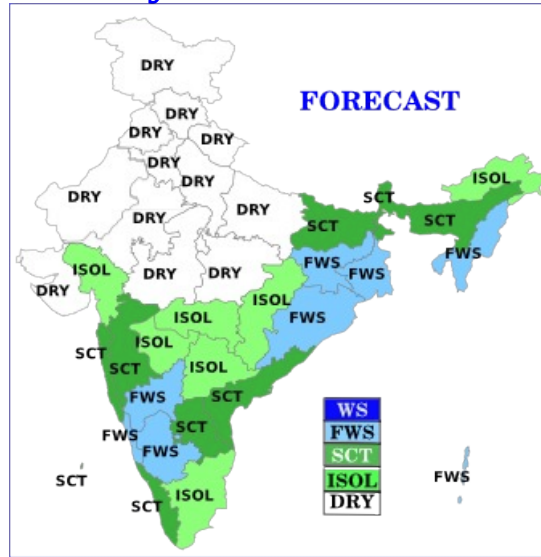
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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)

Sunday 02 October 2022



02 Oct (Day 2): ♦ Heavy rainfall at isolated places very likely over Gangetic West Bengal, Odisha, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

♦ **Thunderstorm accompanied with lightning & gusty wind (speed reaching 40-50 kmph)** at isolated places very likely over Andaman & Nicobar Islands and **with lightning** at isolated places very likely over Bihar, Jharkhand, West Bengal & Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Konkan & Goa and Tamil Nadu, Puducherry & Karaikal.

♦ **Squally weather**(wind speed 40-45 kmph gusting to 55 kmph) is very likely over southeast and adjoining southwest, east-central Bay of Bengal. Squally winds of 45-55 kmph gusting to 65 kmph is likely over southwest Arabian Sea, along and off Somalia coast, Gulf of Mannar and adjoining Comorin area, along and off Sri Lanka coast, south of southwest and adjoining southeast Bay of Bengal, northeast Bay of Bengal, along and off Myanmar coast. Fishermen are advised not to venture into these seas.

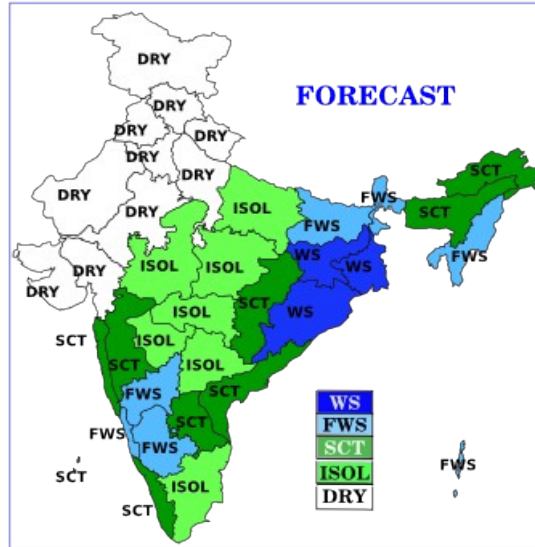
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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 or contact : +91 11 24631913, 24643965, 24629798

(Circle as the National flag 487)

Monday 03 October 2022



03 Oct (Day 3): ♦ Heavy to very heavy rainfall at isolated places likely over Odisha; **heavy rainfall** at isolated places likely over Jharkhand, Gangetic West Bengal, Odisha, Andaman & Nicobar Islands, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over East Madhya Pradesh, Vidarbha, Chhattisgarh and Sub-Himalayan West Bengal & Sikkim.

♦ **Squally weather** (wind speed 40-45 kmph gusting to 55 kmph) is very likely over south of southwest and adjoining southeast Bay of Bengal, Comorin area. Squally winds of 45-55 kmph gusting to 65 kmph is likely over southwest Arabian Sea, along and off Somalia coast, Gulf of Mannar and adjoining Comorin area, south of southwest Bay of Bengal, along and off south Sri Lanka coast, northwest Bay of Bengal, along and off Odisha and West Bengal coasts. Fishermen are advised not to venture into these seas.

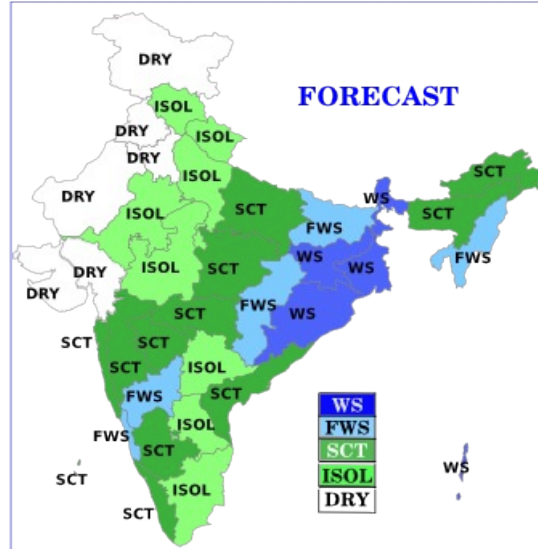
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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)

Tuesday 04 October 2022



04 Oct (Day 4): ♦ Heavy to very heavy rainfall at isolated places likely over East Madhya Pradesh, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim and Odisha ; **heavy rainfall** at isolated places likely over Bihar, Jharkhand, Gangetic West Bengal, Andaman & Nicobar Islands and Assam & Meghalaya.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over Uttarakhand, Uttar Pradesh, East Rajasthan, East Madhya Pradesh, Chhattisgarh and Sub-Himalayan West Bengal & Sikkim.

♦ **Squally weather** (wind speed 40-45 kmph gusting to 55 kmph) is very likely over south of southwest and adjoining southeast Bay of Bengal, Comorin area. Squally winds of 45-55 kmph gusting to 65 kmph is likely over southwest Arabian Sea, along and off Somalia coast, Gulf of Mannar and adjoining Comorin area, southwest Bay of Bengal, along and off south Sri Lanka coast. Fishermen are advised not to venture into these seas.

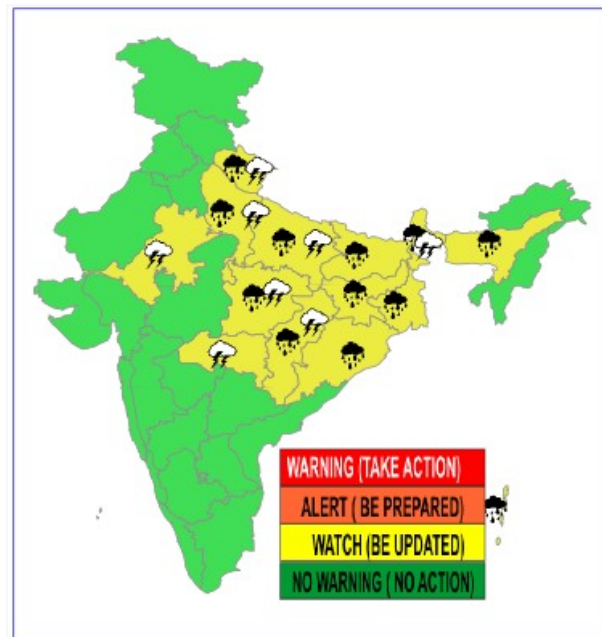
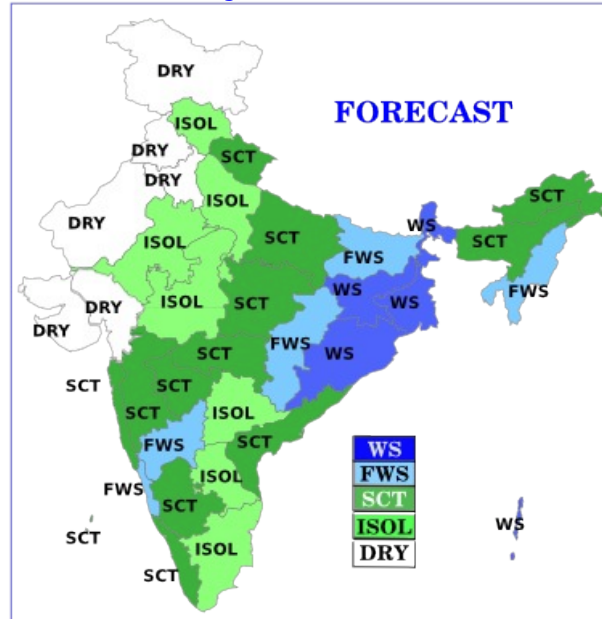
* Red color warning does not mean "Red Alert" Red color warning means "Take Action".

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 or contact : +91 11 24631913, 24643965, 24629798

(Copies to the Media upto 1070)

Wednesday 05 October 2022



05 Oct (Day 5): ♦ **Heavy to very heavy rainfall** at isolated places likely over East Madhya Pradesh, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim and Odisha; **heavy rainfall** at isolated places likely over Uttarakhand, north Uttar Pradesh, Bihar, Jharkhand, Gangetic West Bengal, Andaman & Nicobar Islands and Assam & Meghalaya.

♦ **Thunderstorm accompanied with lightning** at isolated places likely over Uttarakhand, Uttar Pradesh, East Rajasthan, East Madhya Pradesh, Chhattisgarh and Sub-Himalayan West Bengal & Sikkim.

♦ **Squally weather** (wind speed 40-45 kmph gusting to 55 kmph) is very likely over south of southwest and adjoining southeast Bay of Bengal, Comorin area. Squally winds of 45-55 kmph gusting to 65 kmph is likely over southwest Arabian Sea, along and off Somalia coast, Gulf of Mannar and adjoining Comorin area, southwest Bay of Bengal, along and off south Sri Lanka 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 or contact : +91 11 24631913, 24643965, 24629798

(Circle as the National flag)

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 एंवम् सिक्किम
- 6 पश्चिम गंगोय बंगाल
- 7 ओडिसा
- 8 झारखंड
- 9 बिहार
- 10 पूर्वी उत्तर प्रदेश
- 11 पश्चिम उत्तर प्रदेश
- 12 उत्तराखंड
- 13 हरियाणा चंडिगढ़ एंवम् दिल्ली
- 14 पंजाब
- 15 हिमाचल प्रदेश
- 16 जम्मू एंवम् कश्मीर एंवम् लद्दाख
- 17 पश्चिम राजस्थान
- 18 पूर्वी राजस्थान
- 19 पश्चिम मध्य प्रदेश
- 20 पूर्वी मध्य प्रदेश
- 21 गुजरात क्षेत्र
- 22 सौराष्ट्र एंवम् कच्छ
- 23 कोंकण एंवम् गोवा
- 24 मध्य महाराष्ट्र
- 25 मराठावाडा
- 26 विदर्भ
- 27 छत्तीसगढ़
- 28 तटीय आंध्र प्रदेश एवं यनम
- 29 तेलंगाना
- 30 रायलसीमा
- 31 तमिलनाडु, पुदुचेरी एंवम् कराईकल
- 32 तटिय कर्नाटक
- 33 आंतरिक उत्तरी कर्नाटक
- 34 आंतरिक दक्षिणी कर्नाटक
- 35 केरल एंवम् 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.)