



Wednesday 22 March 2023

MORNING

Time of Issue: 0800 hours IST

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather Forecast and Warnings:

- ◆ **Northwest India:** Scattered to fairly widespread light/moderate rainfall with thunderstorm, lightning/gusty winds likely over Western Himalayan Region and Isolated hailstorm likely over Punjab, Haryana, West Rajasthan on 23rd March and over Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh and West Uttar Pradesh on 24th March.
- ◆ **Central India:** A fresh spell of rainfall & thunderstorm activity is likely to commence over the region from 24th March.
- ◆ **South Peninsular India:** Isolated to scattered light/moderate rainfall with thunderstorm, lightning & gusty winds likely over Andhra Pradesh, Telangana, north interior Tamil Nadu and Kerala on 22nd & 23rd March.
- ◆ **East & Northeast India:** Fairly widespread to widespread light/moderate rainfall activity with thunderstorm, lightning & gusty winds likely to continue over Northeast India on 22nd March and Isolated heavy rainfall very likely over Arunachal Pradesh, Assam & Meghalaya on 22nd March. isolated rainfall likely over east India during next 5 days.

Main Weather Observations

- ◆ **Rainfall/thundershowers observed** (from 0830 hours IST to 1730 hours IST of yesterday): **at many places over** Nagaland, Manipur, Mizoram & Tripura, Uttarakhand and Odisha; **at a few places over** Arunachal Pradesh, Assam & Meghalaya, Gangetic west Bengal and East Uttar Pradesh and at isolated places over Sub-Himalayan West Bengal & Sikkim, Bihar, Jharkhand, Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, East Madhya Pradesh, West Rajasthan, Konkan & Goa, Coastal Andhra Pradesh & Yanam and Madhya Maharashtra.
- ◆ **Significant amount of rainfall recorded** (from 0830 hours IST to 1730 hours IST of yesterday)(in cm): **Assam & Meghalaya:** Silchar & Haflong -1 each; **Tripura:** Agartala -1; **Gangetic West Bengal:** Midnapore -1; **Sub-Himalayan West Bengal:** Tadong - & Gangtok -1 each; **Jharkhand:** Daltonganj -2; **Uttarakhand:** Tehri -2; Pantnagar & Mukteshwar - 1 each; **East Uttar Pradesh:** Bahraich, Lucknow and Fursatganj -1 each; **Odisha:** Bhubaneswar -2; Puri & Gopalpur -1 each.
- ◆ **Heavy rainfall recorded** (from 0830 hours IST to 1730 hours IST of yesterday): Nil
- ◆ **Hailstorm observed** (from 0830-1730 hours IST of yesterday): at isolated places over East Uttar Pradesh, Jharkhand, Gangetic West Bengal, Odisha, Jharkhand and Tripura.
- ◆ **Thunderstorm observed** (from 0830 of yesterday-0530 hours IST of today): at isolated places over Uttar Pradesh, West Rajasthan, East Madhya Pradesh, Odisha, Bihar, Jharkhand, Gangetic West Bengal, Coastal Andhra Pradesh & Yanam, Nagaland, Manipur, Mizoram & Tripura.
- ◆ **Minimum Temperature Departures (as on 21-03-2023):** Minimum temperatures were **above normal (1.6°C to 3.0°C)** at a few places over Andaman & Nicobar Islands; at isolated places over East Madhya Pradesh, Bihar, Tamilnadu, Puducherry & Karaikal. They were **appreciably below normal (-3.1°C to -5.0°C)** at a few places over North Interior Karnataka; at isolated places over East Rajasthan, Madhya Maharashtra, Gangetic West Bengal; **below normal (-1.6°C to -3.0°C)** at a few places over West Uttar Pradesh, West Rajasthan, West Madhya Pradesh, Vidarbha, Marathwada, Coastal Karnataka, Telangana, Rayalaseema, Odisha; at isolated places over Saurashtra & Kutch, Konkan & Goa, Kerala & Mahe and Coastal Andhra Pradesh & Yanam and **near normal** over rest parts of the country. Yesterday, the **lowest minimum temperature of 11.6°C** was reported at **Delhi-Ridge (Delhi)** over plains of the country.
- ◆ **Maximum Temperature Departures (as on 21-03-2023):** Maximum temperatures were **above normal (1.6°C to 3.0°C)** at isolated places over Kerala & Mahe. They were **markedly below normal (-5.1°C or less)** at most places over Uttar Pradesh, Uttarakhand and Chhattisgarh; at many places over Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, Himachal Pradesh, Madhya Maharashtra and Jharkhand; at a few places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Bihar, Haryana, Chandigarh & Delhi, Madhya Pradesh; **appreciably below normal (-3.1°C to -5.1°C)** at most places over Punjab; at many places over Gujarat State, Vidarbha, Rajasthan, North Interior Karnataka Telangana and Marathwada; **below normal (-1.6°C to -3.0°C)** at many places over Rayalaseema; at a few places over Coastal Andhra Pradesh & Yanam and at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad and Tamil Nadu, Puducherry & Karaikal and **near normal** over rest parts of the country. Yesterday, the **highest maximum temperature of 38.5°C** was reported at **K. Paramathy (Tamilnadu)**.

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

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Meteorological Analysis (Based on 0530 hours IST)

- ◆ The **Western Disturbance** as a trough in middle & upper tropospheric westerlies with its axis at 5.8 km above mean sea level now runs roughly along Long. 82°E to the north of Lat. 28°N.
- ◆ The **trough/wind discontinuity** from south Sri Lanka to northeast Madhya Pradesh across Interior Tamilnadu, Rayalaseema, Telangana and Vidarbha at 0.9 km above mean sea level.
- ◆ A fresh **Western Disturbance** seen as trough in middle & upper tropospheric levels westerlies with its axis at 5.8 km above mean sea level roughly along Long. 52°E to the north of Lat. 30°N.
- ◆ A **cyclonic circulation** seen over southwest Rajasthan & neighbourhood and extends upto 3.1 km above mean sea level.
- ◆ The **cyclonic circulation** over Haryana & neighbourhood extending upto 3.1 km above mean sea level has become less marked.
- ◆ The **trough** from the above cyclonic circulation over Haryana & neighbourhood to Bangladesh across south Uttar Pradesh, south Bihar & West Bengal at 0.9 km above mean sea level has become less marked.
- ◆ The **cyclonic circulation** over northeast Assam & neighbourhood at 1.5 km above mean sea level has become less marked.

Weather Forecast for next 5 days * upto 0830 hours IST of 27th March, 2023

- ◆ **Meteorological sub-division wise detailed 5 days temperature forecast is given in Table-1.**
- ◆ **Central India:** Gradual rise in maximum temperatures by 2-3°C during next 2 days and no significant change thereafter.
- ◆ **East India:** Gradual rise in maximum temperatures by 2-4°C during next 4-5 days.
- ◆ **Rest parts of the Country:** No significant change in Maximum Temperatures very likely during next 4-5 days.

Weather Outlook for subsequent 2 days during 27th-29th March, 2023

- ◆ Scattered to fairly widespread light/moderate rainfall/thundershowers likely over Northeast India. Isolated to scattered light rainfall/thundershowers likely over Western Himalayan Region, East Uttar Pradesh, East & adjoining central India and south Peninsular India.



Weather Warning during next 5 days *

22 March (Day 1): ♦ **Heavy rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya.

♦ **Thunderstorm accompanied with lightning, gusty wind (30-40 kmph)** very likely at isolated places over Assam & Meghalaya; **with lightning** over Punjab, West Rajasthan, Gangetic West Bengal, Nagaland, Manipur, Mizoram & Tripura and Tamilnadu, Puducherry & Karaikal.

23 March (Day 2): ♦ **Thunderstorm accompanied with lightning, hail & gusty wind (40-50 kmph)** very likely at isolated places over Punjab; **with lightning, hail & gusty wind (30-40 kmph)** over West Rajasthan; **with lightning & hail** over Haryana, Chandigarh & Delhi; **with lightning & gusty wind (30-40 kmph)** over East Rajasthan; **with lightning** over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh.

24 March (Day 3): ♦ **Thunderstorm accompanied with lightning, hail & gusty wind (40-50 kmph)** likely at isolated places over Punjab; **with lightning, hail & gusty wind (30-40 kmph)** over West Uttar Pradesh; **with lightning & hail** over Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi; **with lightning & gusty wind (30-40 kmph)** over East Rajasthan; **with lightning** over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Madhya Pradesh, Vidarbha, Chhattisgarh, Madhya Maharashtra, Marathwada, Telangana and Kerala & Mahe.

25 March (Day 4): ♦ **Thunderstorm accompanied with lightning, hail** likely at isolated places over Uttarakhand; **with lightning** over Jammu & Kashmir, Himachal Pradesh, East Madhya Pradesh, Vidarbha, Chhattisgarh, Madhya Maharashtra, Marathwada, Telangana and Kerala & Mahe.

26 March (Day 5): ♦ **Thunderstorm accompanied with lightning, hail** likely at isolated places over Uttarakhand; **with lightning** over Jammu & Kashmir, Himachal Pradesh, East Madhya Pradesh, Vidarbha, Odisha, Chhattisgarh, Madhya Maharashtra, Marathwada, Telangana and Kerala & Mahe.

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.

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Table-1
5 Day Rainfall Forecast (MORNING)
22-March-2023

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

% 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".

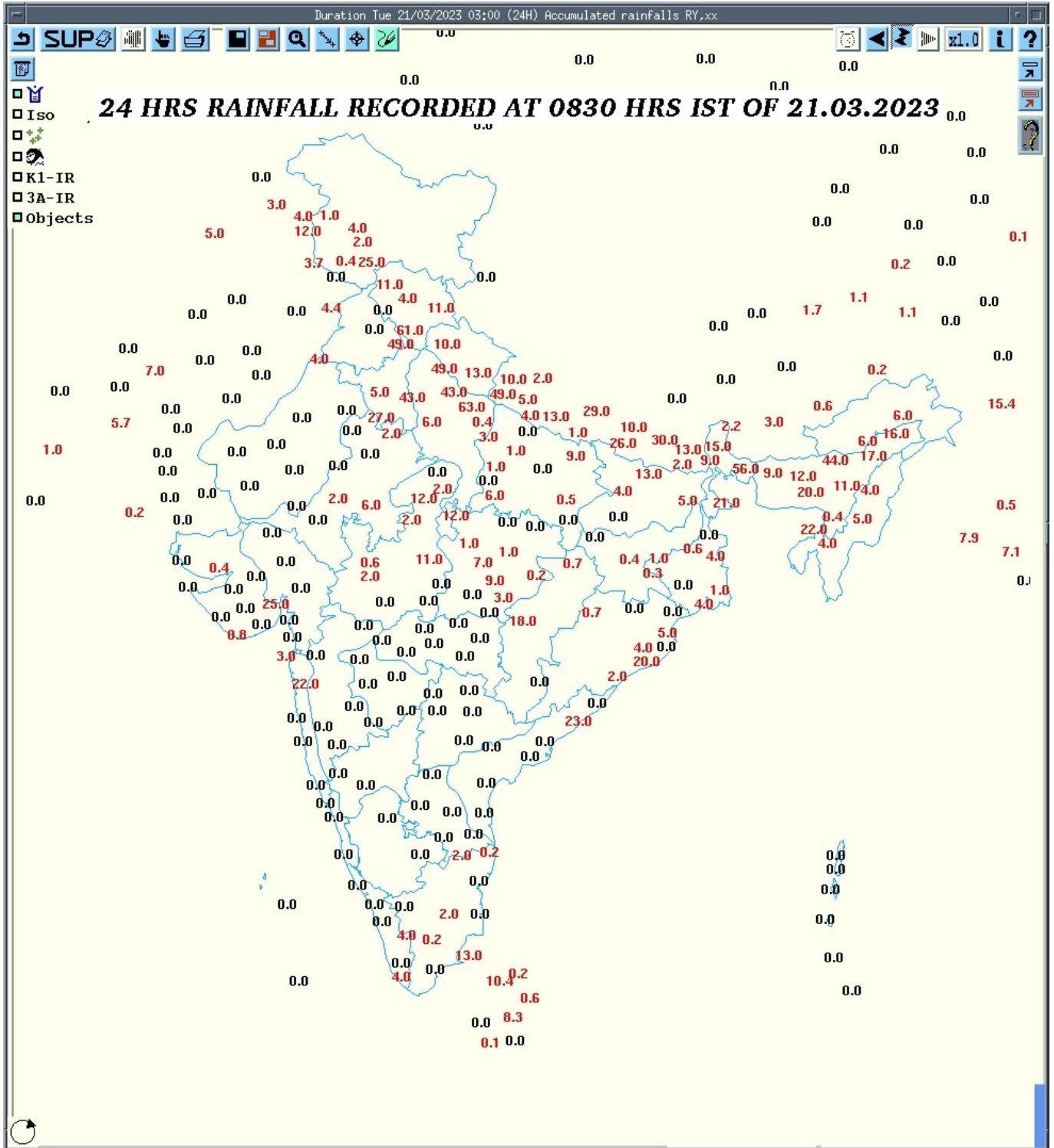
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Fig. 1: Accumulated Rainfall (mm) during past 24 hours



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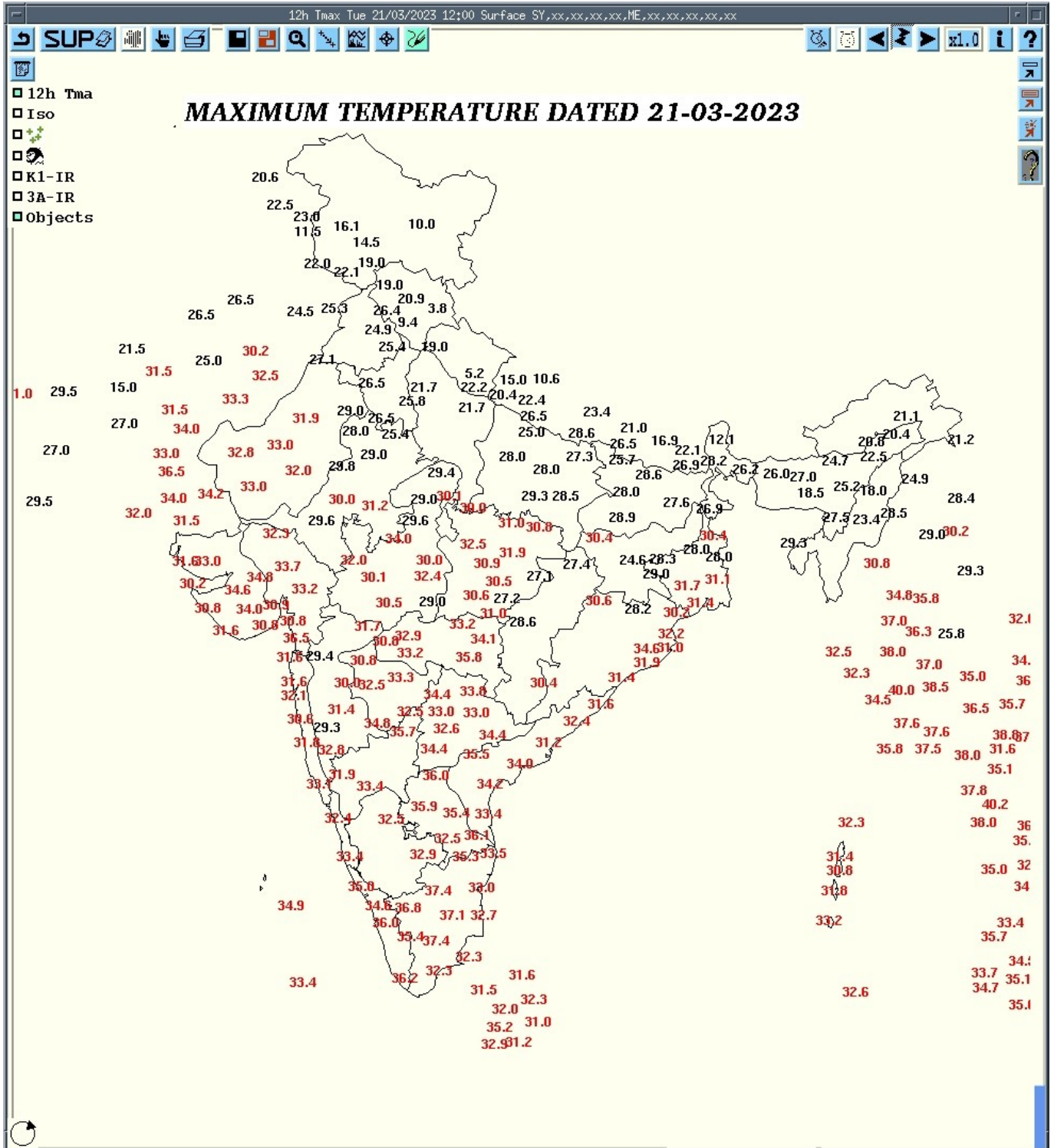
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(Created by the MetInfo class 1977)



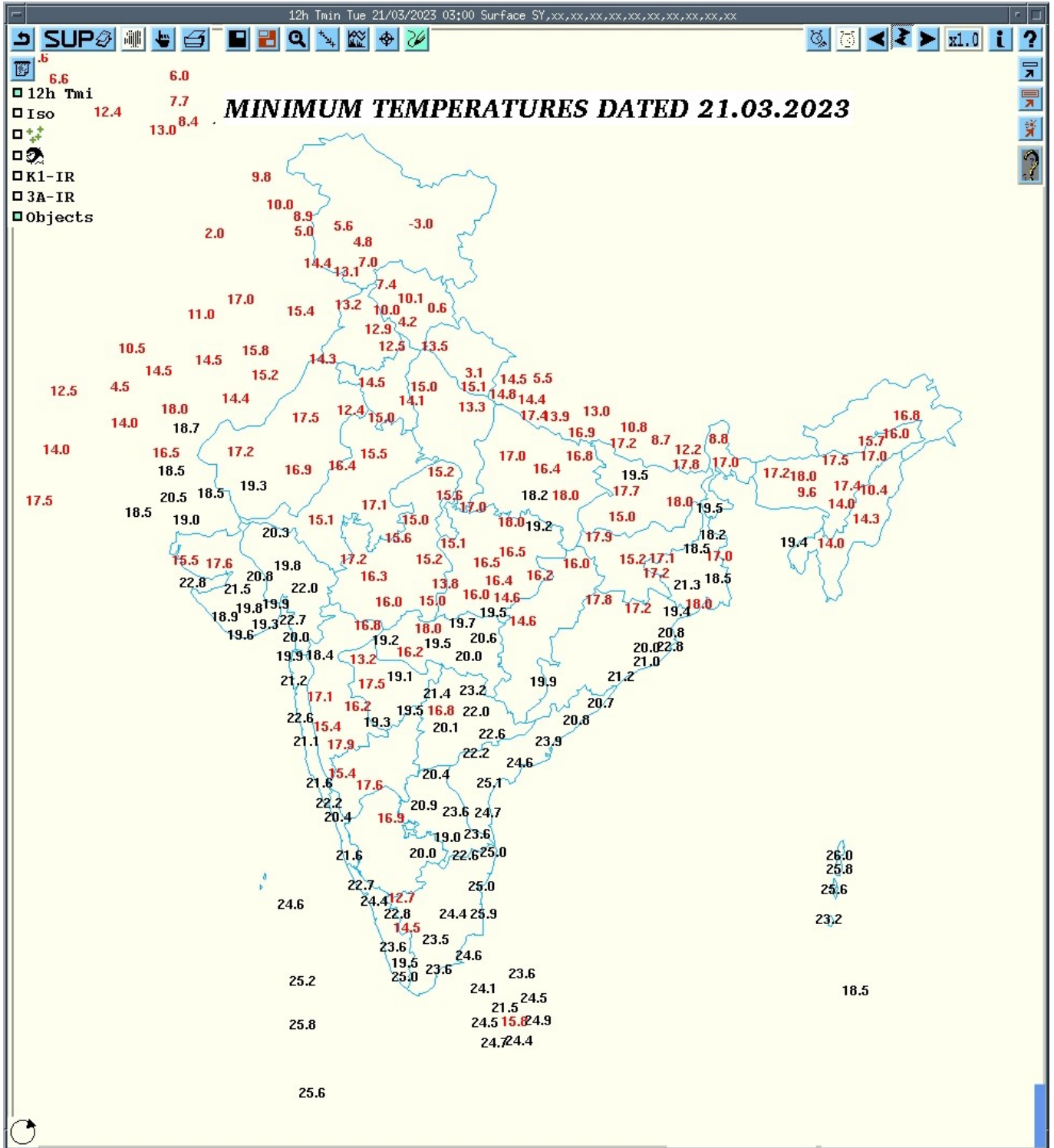
Fig. 2: Maximum Temperature during past 24 hours



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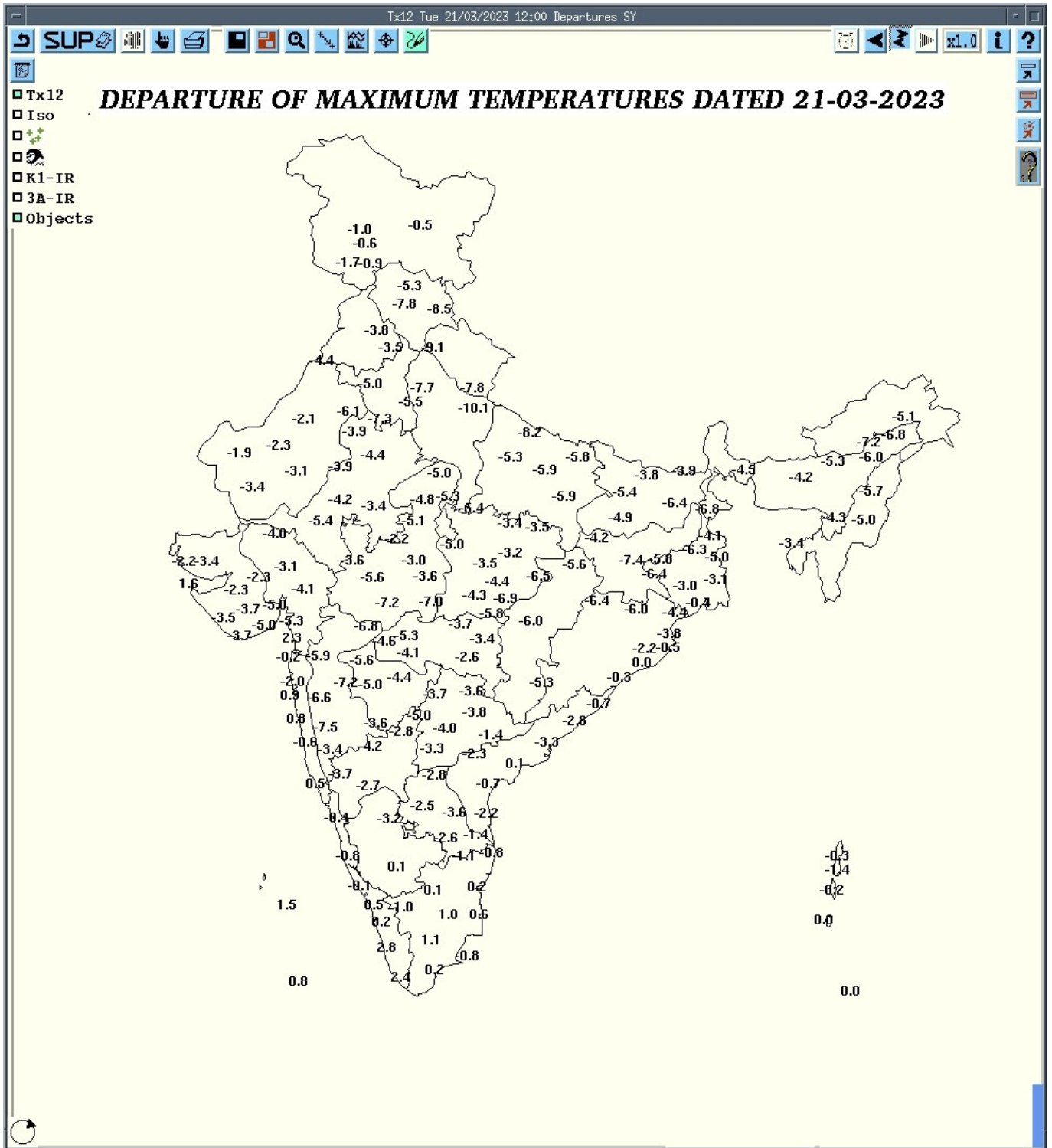
Fig. 3: Minimum Temperature during past 24 hours



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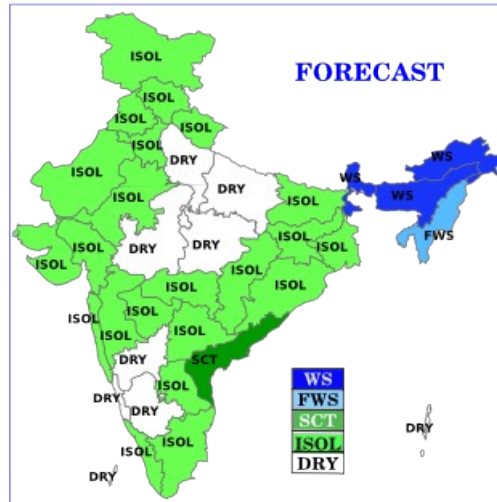


Fig. 4: Departure from Normal of Maximum Temperatures



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Wednesday 22 March 2023



22 March (Day 1): ♦ **Heavy rainfall** very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya.

♦ **Thunderstorm accompanied with lightning, gusty wind (30-40 kmph)** very likely at isolated places over Assam & Meghalaya; **with lightning** over Punjab, West Rajasthan, Gangetic West Bengal, Nagaland, Manipur, Mizoram & Tripura and Tamilnadu, Puducherry & Karaikal.

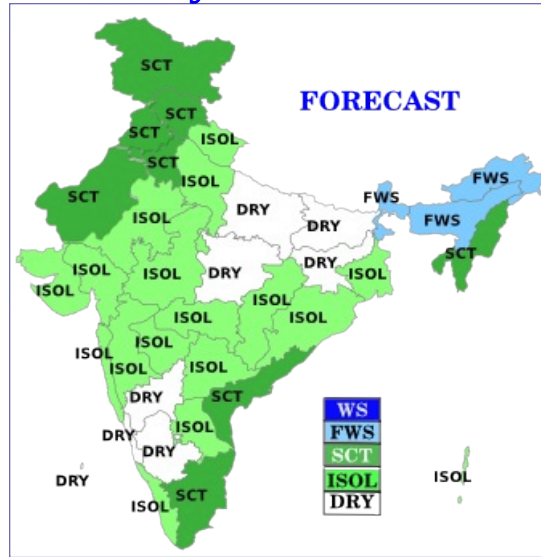
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Thursday 23 March 2023



23 March (Day 2): ♦ Thunderstorm accompanied with lightning, hail & gusty wind (40-50 kmph) very likely at isolated places over Punjab; with lightning, hail & gusty wind (30-40 kmph) over West Rajasthan; with lightning & hail over Haryana, Chandigarh & Delhi; with lightning & gusty wind (30-40 kmph) over East Rajasthan; with lightning over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh.

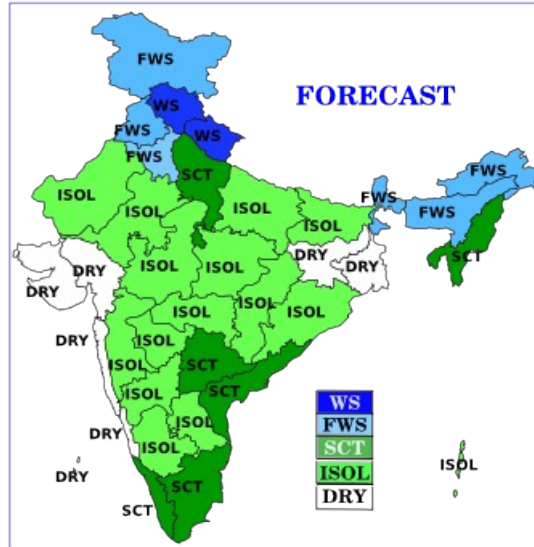
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Friday 24 March 2023



24 March (Day 3): ♦ Thunderstorm accompanied with lightning, hail & gusty wind (40-50 kmph) likely at isolated places over Punjab; with lightning, hail & gusty wind (30-40 kmph) over West Uttar Pradesh; with lightning & hail over Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi; with lightning & gusty wind (30-40 kmph) over East Rajasthan; with lightning over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Madhya Pradesh, Vidarbha, Chhattisgarh, Madhya Maharashtra, Marathwada, Telangana and Kerala & Mahe.

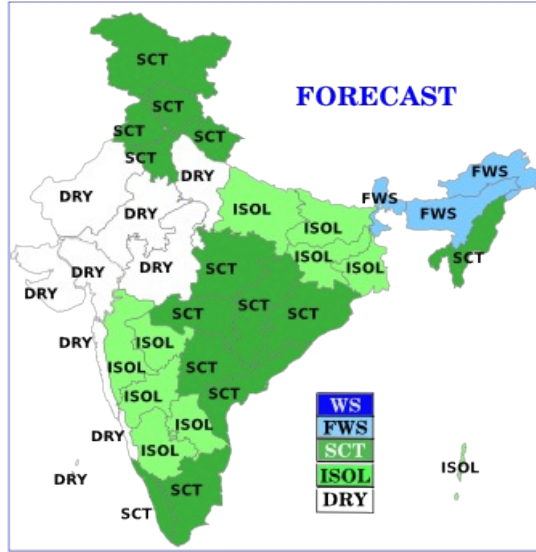
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Saturday 25 March 2023



25 March (Day 4): ♦ **Thunderstorm accompanied with lightning, hail** likely at isolated places over Uttarakhand; **with lightning** over Jammu & Kashmir, Himachal Pradesh, East Madhya Pradesh, Vidarbha, Chhattisgarh, Madhya Maharashtra, Marathwada, Telangana and Kerala & Mahe.

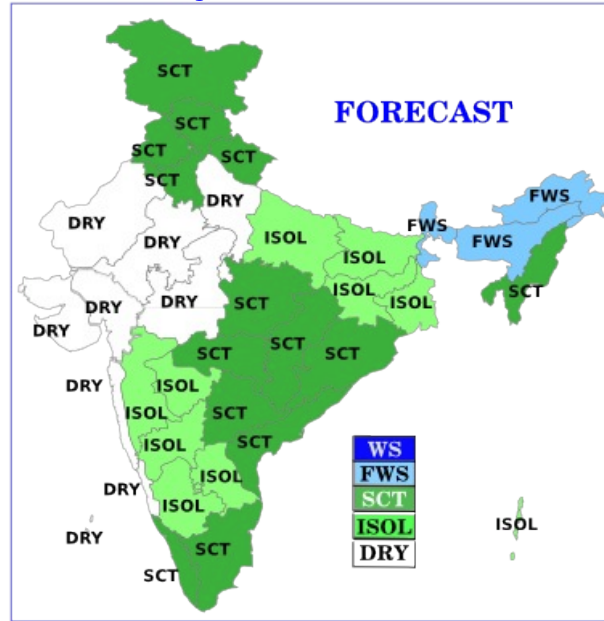
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Sunday 26 March 2023



26 March (Day 5): ♦ Thunderstorm accompanied with lightning, hail likely at isolated places over Uttarakhand; with lightning over Jammu & Kashmir, Himachal Pradesh, East Madhya Pradesh, Vidarbha, Odisha, Chhattisgarh, Madhya Maharashtra, Marathwada, Telangana and Kerala & Mahe.

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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 ओडिशा
- 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

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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 $\leq -6.5^{\circ}\text{C}$

(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 $\leq -4.5^{\circ}\text{C}$ & 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

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