



Friday 04 June 2021

MORNING

Time of Issue: 0800 hours IST

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

- ◆ The Northern Limit of Monsoon (NLM) continues to pass through lat. 10°N/ Long. 60°E, lat. 10°N/ Long. 70°E, Kochi, Palayamkottai, lat. 90°N/ Long. 80°E, 12°N/85°E, 14°N/90°E and 17°N/94°E.
- ◆ Southwest monsoon is likely to advance into remaining parts of south Arabian Sea, some parts of central Arabian Sea, remaining parts of Kerala & Lakshadweep, some more parts of Tamil Nadu & Puducherry, some parts of coastal & south interior Karnataka, Rayalaseema and some more parts of south and Central Bay of Bengal during next 24 hours.
- ◆ Due to strengthening of lower level southwesterly winds, widespread rainfall activity very likely over Northeastern states during next 5 days. Isolated **heavy rainfall** very likely over Arunachal Pradesh during 04th-06th; Assam & Meghalaya during 04th-07th and Nagaland, Manipur, Mizoram & Tripura on 05th & 06th.
- ◆ A Western Disturbance as a trough in mid & upper tropospheric westerlies with its axis at 7.6 km above mean sea level runs roughly along longitude 74°E to the north of latitude 28°N. Under its influence, isolated to scattered rainfall accompanied with thunderstorm, lightning and gusty winds very likely over parts of Western Himalayan Region & adjoining plains of Northwest India during next 2 days.
- ◆ Under the influence of a trough at mean sea level off Karnataka-Kerala coasts and strengthening of westerly wind in lower tropospheric levels; scattered to widespread rainfall accompanied with thunderstorm, lightning and gusty winds. Isolated heavy rainfall very likely over Kerala and Karnataka during next 2 days.

Main Weather Observations

- ◆ **Rain/Thundershowers observed** (from 0830 hours IST to 1730 hours IST of yesterday): at most places over Arunachal Pradesh and Lakshadweep; at many places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan, & Muzaffarabad; at a few places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Madhya Maharashtra and Telangana and at isolated places over Punjab, East Uttar Pradesh, Madhya Pradesh and North Interior Karnataka.
- ◆ **Rainfall recorded** (from 0830 hours IST to 1730 hours IST of yesterday)(1 cm or more): Sangli-5; Kolhapur-4; Minicoy-3; Itanagar, Kakinada and Jagdalpur-2 each; Jammu, Pasighat, Silchar, Kupwara and Belgaum-1 each.
- ◆ **Thunderstorm** observed (from 0830 hours IST of yesterday to 0530 hrs IST of today): at a few places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan, & Muzaffarabad, Madhya Maharashtra and Kerala & Mahe and at isolated places over Punjab, Jharkhand, East Uttar Pradesh, Karnataka, Rajasthan, Sub-Himalayan West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura, West Madhya Pradesh, Konkan & Goa, Chhattisgarh, Assam & Meghalaya and Coastal Andhra Pradesh & Yanam.
- ◆ **Maximum Temperature Departures as on 03-06-2021:** Maximum temperatures were **appreciably above normal (3.1°C to 5.0°C)** at isolated places over Saurashtra & Kutch; **above normal (1.6°C to 3.0°C)** at most places over Andaman & Nicobar Islands; at many places over Assam & Meghalaya; at a few places over Sub-Himalayan West Bengal & Sikkim, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe. They were **markedly below normal (-5.1°C and more)** at many places over Punjab, Chhattisgarh, Marathwada, Telangana and North Interior Karnataka; at a few places over Arunachal Pradesh, Himachal Pradesh and Rayalaseema; at isolated places over East Rajasthan and Coastal Andhra Pradesh & Yanam; **appreciably below normal (-3.1°C to -5.0°C)** at many places over East Madhya Pradesh and Vidarbha; at a few places over Jharkhand, West Uttar Pradesh, Haryana, Chandigarh & Delhi and Madhya Maharashtra and at isolated places over Uttarakhand, Bihar, Odisha and West Madhya Pradesh; **below normal (-1.6°C to -3.0°C)** at most places over West Rajasthan and East Uttar Pradesh; at many places over Nagaland, Manipur, Mizoram & Tripura and Lakshadweep; isolated places over Gangetic West Bengal and near **normal** over rest parts of the country. **Yesterday** the highest maximum temperature of **42.2 °C** reported at Jhansi (**West Uttar Pradesh**) over the country.
- ◆ **Minimum Temperature Departures as on 03-06-2021:** Minimum temperatures were **above normal (1.6°C to 3.0°C)** at isolated places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan, & Muzaffarabad, Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, Bihar, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe. They were **markedly below normal (-5.1°C and more)** at isolated places over West Rajasthan, Haryana, Chandigarh & Delhi, Telangana and East Madhya Pradesh; **appreciably below normal (-3.1°C to -5.0°C)** at many places over East Rajasthan, Marathawada; **below normal (-1.6°C to -3.0°C)** at many places over West Madhya Pradesh; at a few places over Vidarbha, Coastal Andhra Pradesh, Rayalaseema and Odisha, Jharkhand, Chhattisgarh, at isolated places over Himachal Pradesh, Uttar Pradesh Karnataka, Gujarat state, Konkan & Goa, and **near normal** over rest of the country. The lowest minimum temperature of **19.0°C** was reported at Medak (**Telangana**) and Bidar (**North Interior Karnataka**) over the plains of the country.

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Meteorological Analysis (Based on 0530 hours IST)

- ◆ The Northern Limit of Monsoon (NLM) continues to pass through lat. 10°N/ Long. 60°E, lat. 10°N/ Long. 70°E, Kochi, Palayamkottai, lat. 90°N/ Long. 80°E, 12°N/85°E, 14°N/90°E and 17°N/94°E.
- ◆ Southwest monsoon is likely to advance into remaining parts of south Arabian Sea, some parts of central Arabian Sea, remaining parts of Kerala & Lakshadweep, some more parts of Tamil Nadu & Puducherry, some parts of coastal & south interior Karnataka, Rayalaseema and some more parts of south and Central Bay of Bengal during next 24 hours.
- ◆ The Western Disturbance as a trough in mid & upper tropospheric westerlies with its axis at 7.6 km above mean sea level now runs roughly along longitude 74°E to the north of latitude 28°N.
- ◆ The cyclonic circulation over central Pakistan & neighbourhood extending upto 1.5 km above mean sea level persists.
- ◆ The cyclonic circulation over north Chhattisgarh & neighbourhood and extends upto 1.5 km above mean sea level persists.
- ◆ The cyclonic circulation over Eastcentral Arabian Sea off Karnataka coast extending upto 3.1 km above mean sea level persists.
- ◆ The trough at mean sea level off Karnataka-Kerala coasts persists.
- ◆ The cyclonic circulation over Equatorial Indian Ocean & adjoining central parts of South Bay of Bengal between 3.1 km & 4.5 km above mean sea level persists.
- ◆ The east-west shear zone from Southwest Arabian Sea to Southeast bay of Bengal across extreme southern peninsula along Latitude 8°N at 3.1 km above mean sea level persists.
- ◆ The north-south trough from Telangana to south Tamilnadu and extends upto 1.5 km above mean sea level persists.

Weather Forecast for next 5 days * upto 0830 hours IST of 09th June, 2021

- ◆ Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- ◆ Gradual rise by 2-4°C in maximum temperature over most parts of Northwest & East India during next 2-3 days and no significant change thereafter.
- ◆ No significant change in maximum temperature over rest parts of the country during next 4-5 days.

Weather Outlook for subsequent 2 days from 09th June 2021 to 11th June 2021

- ◆ Fairly widespread to widespread rainfall/thunderstorms with heavy rainfall at isolated places likely over Northeast India.
- ◆ Scattered rainfall/thunderstorms with isolated heavy falls likely over south Peninsular India and Islands.
- ◆ Isolated to scattered rainfall/thunderstorms likely over East India.
- ◆ Weather likely to be dry over remaining parts of the country.

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Weather Warning during next 5 days *

04 June (Day 1): ♦ Thunderstorm with lightning & gusty winds (speed reaching 30-40 kmph) very likely at isolated places over East Rajasthan, West Madhya Pradesh and Telangana and **with lightning** at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, East Madhya Pradesh, Vidarbha, Chhattisgarh, Odisha, Gujarat state, Madhya Maharashtra, Marathwada, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Rayalaseema, Coastal & North Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Thunderstorm/Duststorm with lightning & gusty winds (speed reaching 30-40 kmph)** very likely at isolated places over West Rajasthan.

♦ **Heavy Rainfall** at isolated places very likely over Arunachal Pradesh, Assam & Meghalaya, Madhya Maharashtra, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal & South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Strong Wind (speed 40-50 kmph gusting to 60 kmph)** very likely over Southwest & Westcentral Arabian Sea and with wind speed 40-50 kmph over Lakshadweep area, Southeast Arabian Sea off Kerala coast. Fishermen are advised not to venture into these areas.

05 June (Day 2): ♦ Thunderstorm with lightning & gusty winds (speed reaching 30-40 kmph) very likely at isolated places Rajasthan and **with lightning** at isolated places over Madhya Pradesh, Vidarbha, Chhattisgarh, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Madhya Maharashtra, Marathwada, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal & North Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Heavy Rainfall** at isolated places very likely over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Coastal & North Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Strong Wind (speed 40-50 kmph gusting to 60 kmph)** very likely over Southwest & Westcentral Arabian Sea and **with wind speed 40-50 kmph** over Lakshadweep area, Southeast Arabian Sea off Kerala coast. Fishermen are advised not to venture into these areas.

06 June (Day 3): ♦ Thunderstorm with lightning at isolated places likely over Madhya Pradesh, Vidarbha, Chhattisgarh, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Telangana, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Heavy Rainfall** at isolated places likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

♦ **Strong Wind (speed 40-50 kmph gusting to 60 kmph)** likely over Southwest & Westcentral Arabian Sea. Fishermen are advised not to venture into these areas.

07 June (Day 4): ♦ Thunderstorm with lightning at isolated places likely over Uttarakhand, Madhya Pradesh, Vidarbha, Chhattisgarh, West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Gujarat state, Telangana, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Heavy Rainfall** at isolated places likely over Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands and Assam & Meghalaya.

♦ **Strong Wind (speed 40-50 kmph gusting to 60 kmph)** likely over Southwest & Westcentral Arabian Sea. Fishermen are advised not to venture into these areas.

08 June (Day 5): ♦ Thunderstorm with lightning at isolated places likely over Chhattisgarh, West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Gujarat state, Telangana, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Heavy Rainfall** at isolated places likely over Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands and Assam & Meghalaya.

♦ **Strong Wind (speed 40-50 kmph gusting to 60 kmph)** likely over Southwest & Westcentral Arabian Sea. Fishermen are advised not to venture into these areas.

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)
04-June-2021

Met-Sub-Division	04-Jun Today	05Jun Sat	06Jun Sun	07Jun Mon	08Jun Tue
1. Andaman & Nicobar Islands	SCT	SCT	FWS	WS	WS
2. Arunachal Pradesh	FWS	WS	WS	WS	WS
3. Assam & Meghalaya	WS	WS	WS	WS	WS
4. N. M. M. & T.	FWS	WS	WS	WS	WS
5. S.H. West Bengal & Sikkim	SCT	SCT	FWS	WS	WS
6. Gangetic West Bengal	ISOL	ISOL	ISOL	ISOL	ISOL
7. Odisha	SCT	ISOL	ISOL	SCT	SCT
8. Jharkhand	ISOL	ISOL	ISOL	ISOL	ISOL
9. Bihar	ISOL	ISOL	ISOL	ISOL	ISOL
10. East Uttar Pradesh	DRY	DRY	DRY	ISOL	ISOL
11. West Uttar Pradesh	DRY	DRY	ISOL	ISOL	ISOL
12. Uttarakhand	SCT	ISOL	ISOL	ISOL	ISOL
13. Haryana, Chd & Delhi	ISOL	ISOL	DRY	DRY	DRY
14. Punjab	ISOL	ISOL	ISOL	DRY	DRY
15. Himachal Pradesh	SCT	ISOL	ISOL	DRY	DRY
16. J & K and Ladakh	ISOL	ISOL	ISOL	DRY	DRY
17. West Rajsthan	ISOL	ISOL	ISOL	DRY	DRY
18. East Rajasthan	ISOL	ISOL	ISOL	ISOL	DRY
19. West Madhya Pradesh	ISOL	ISOL	ISOL	ISOL	DRY
20. East Madhya Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
21. Gujarat Region	ISOL	ISOL	SCT	ISOL	ISOL
22. Saurashtra & Kutch	ISOL	ISOL	ISOL	ISOL	ISOL
23. Konkan & Goa	WS	WS	FWS	FWS	FWS
24. Madhya Maharashtra	WS	FWS	SCT	SCT	SCT
25. Marathawada	SCT	SCT	ISOL	ISOL	ISOL
26. Vidharbha	SCT	ISOL	ISOL	ISOL	DRY
27. Chhattisgarh	SCT	ISOL	ISOL	ISOL	ISOL
28. Coastal A. P. & Yanam	FWS	SCT	SCT	ISOL	ISOL
29. Telangana	FWS	ISOL	ISOL	ISOL	ISOL
30. Rayalaseema	FWS	FWS	SCT	ISOL	ISOL
31. T.N.,Puducherry & Karaikal	FWS	SCT	ISOL	ISOL	ISOL
32. Coastal Karnataka	WS	WS	FWS	FWS	FWS
33. North Interior Karnataka	FWS	SCT	ISOL	ISOL	ISOL
34. South Interior Karnataka	WS	FWS	SCT	SCT	SCT
35. Kerala & Mahe	WS	WS	FWS	FWS	FWS
36. Lakshadweep	WS	WS	FWS	FWS	FWS

% Station Reporting Rainfall

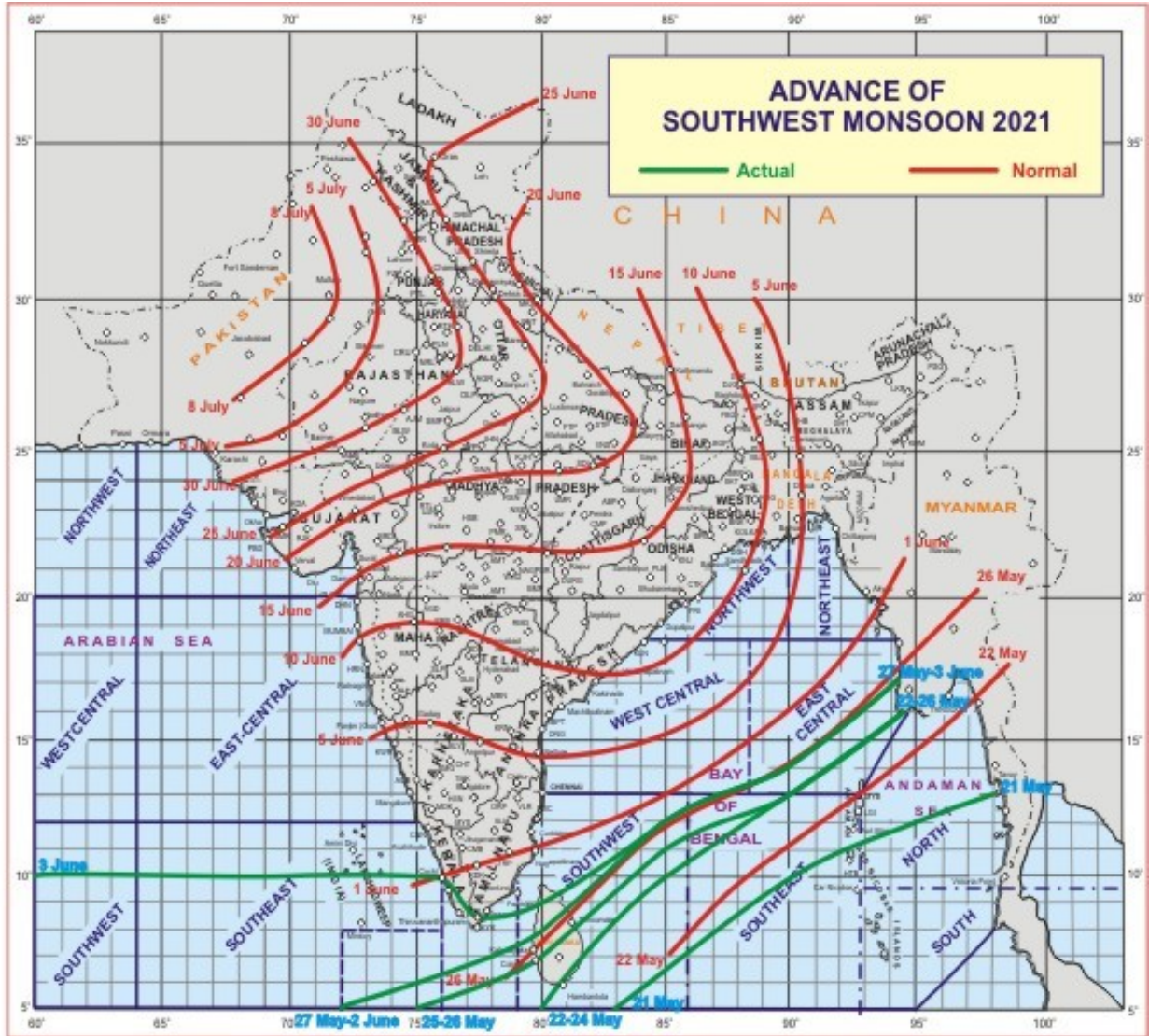
% Stations	Category	% Stations	Category
76-100	Widespread (WS/Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)
No Rain	Dry		

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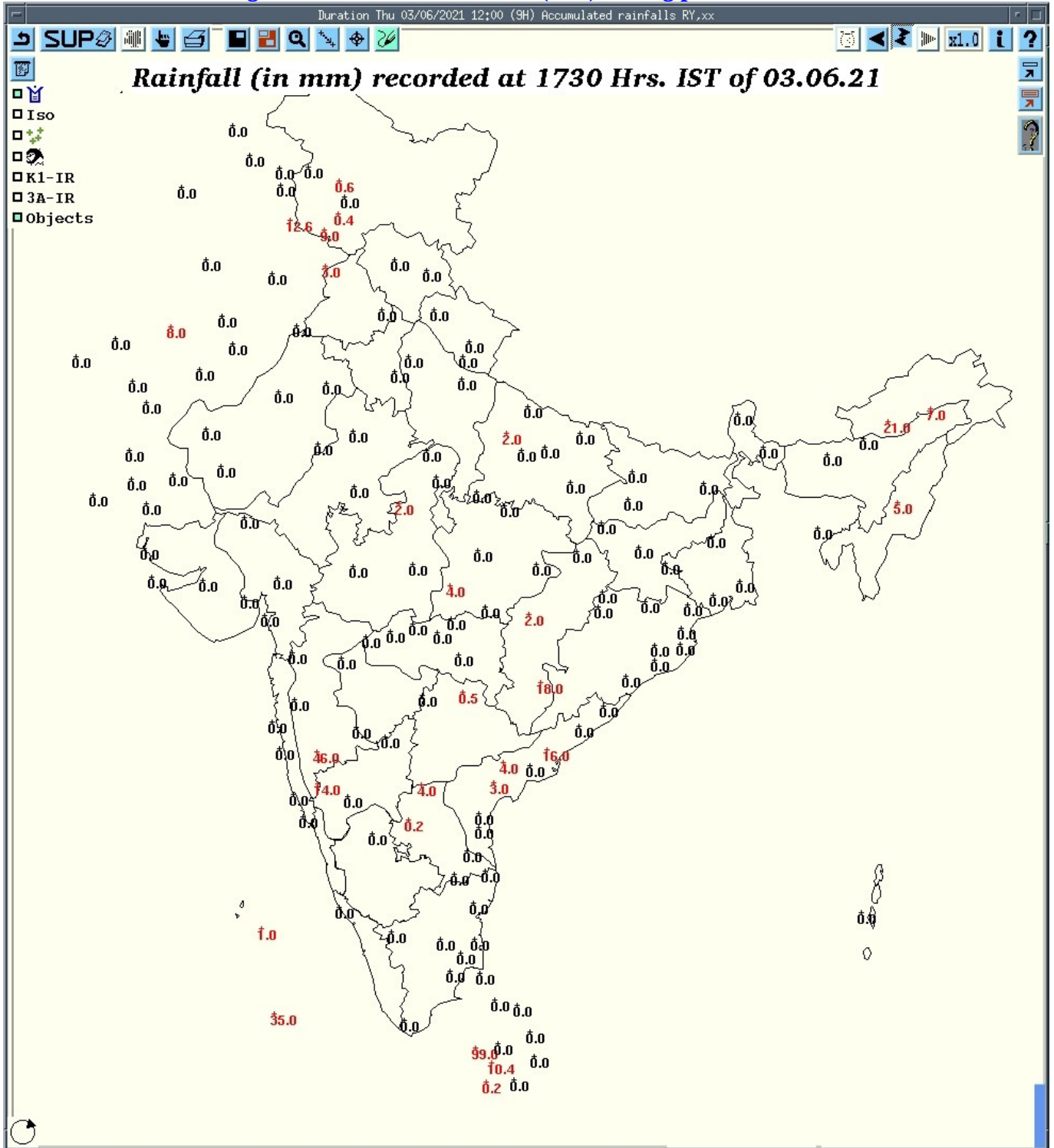
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(Created by the MeteoApp 4.07.20)



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



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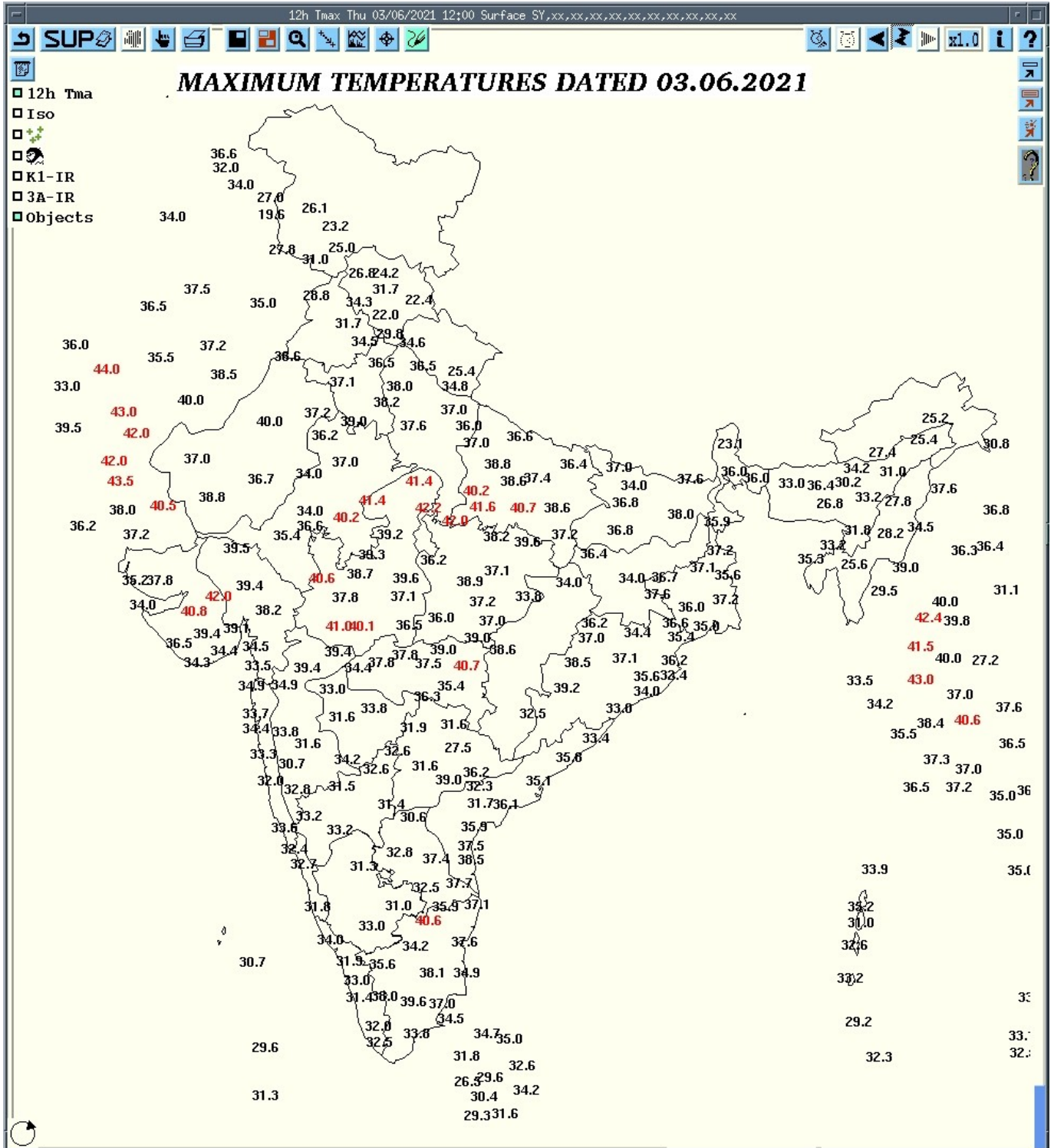
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Fig. 2: Maximum Temperature during past 24 hours



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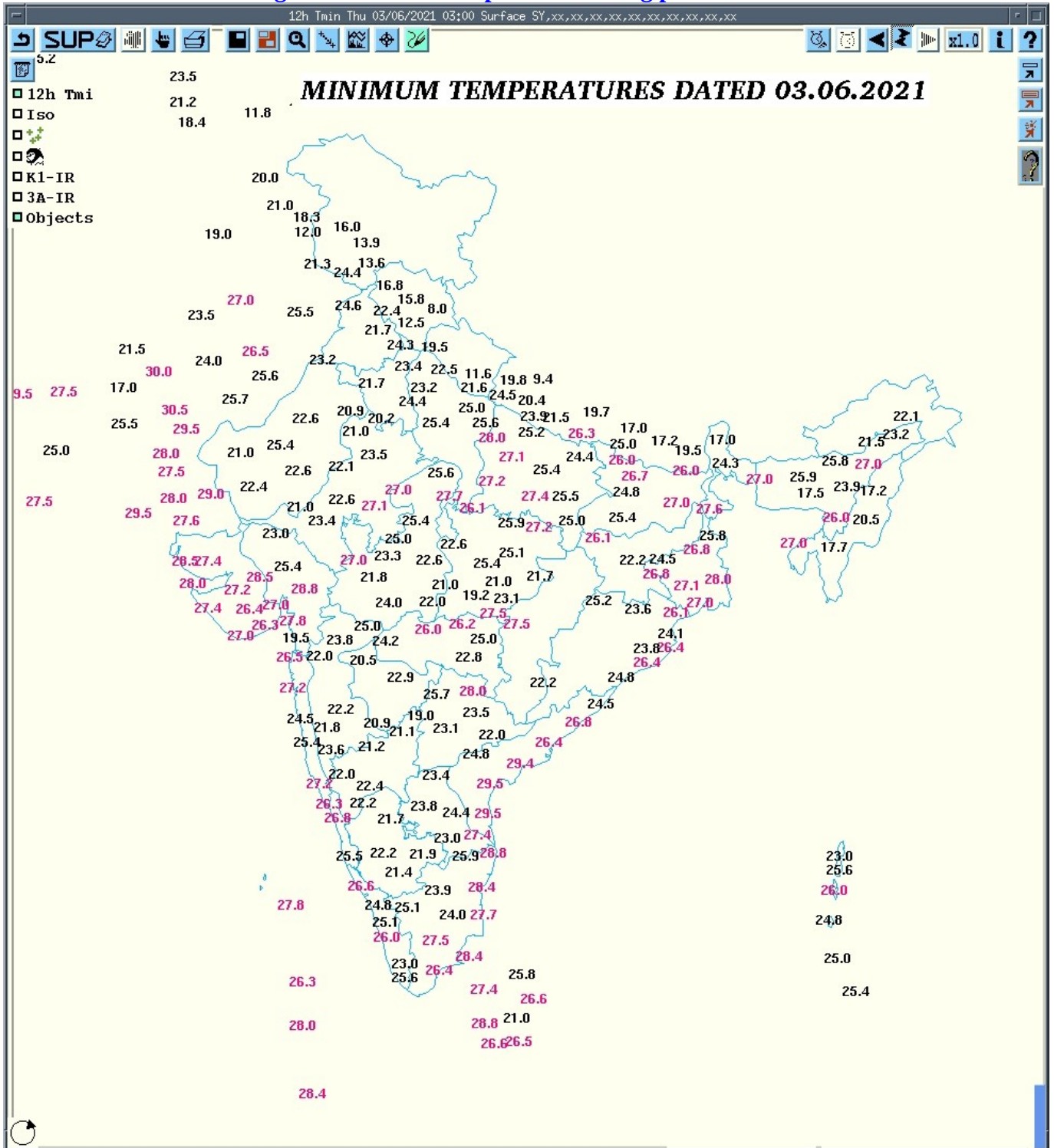
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Fig. 3: Minimum Temperature during past 24 hours



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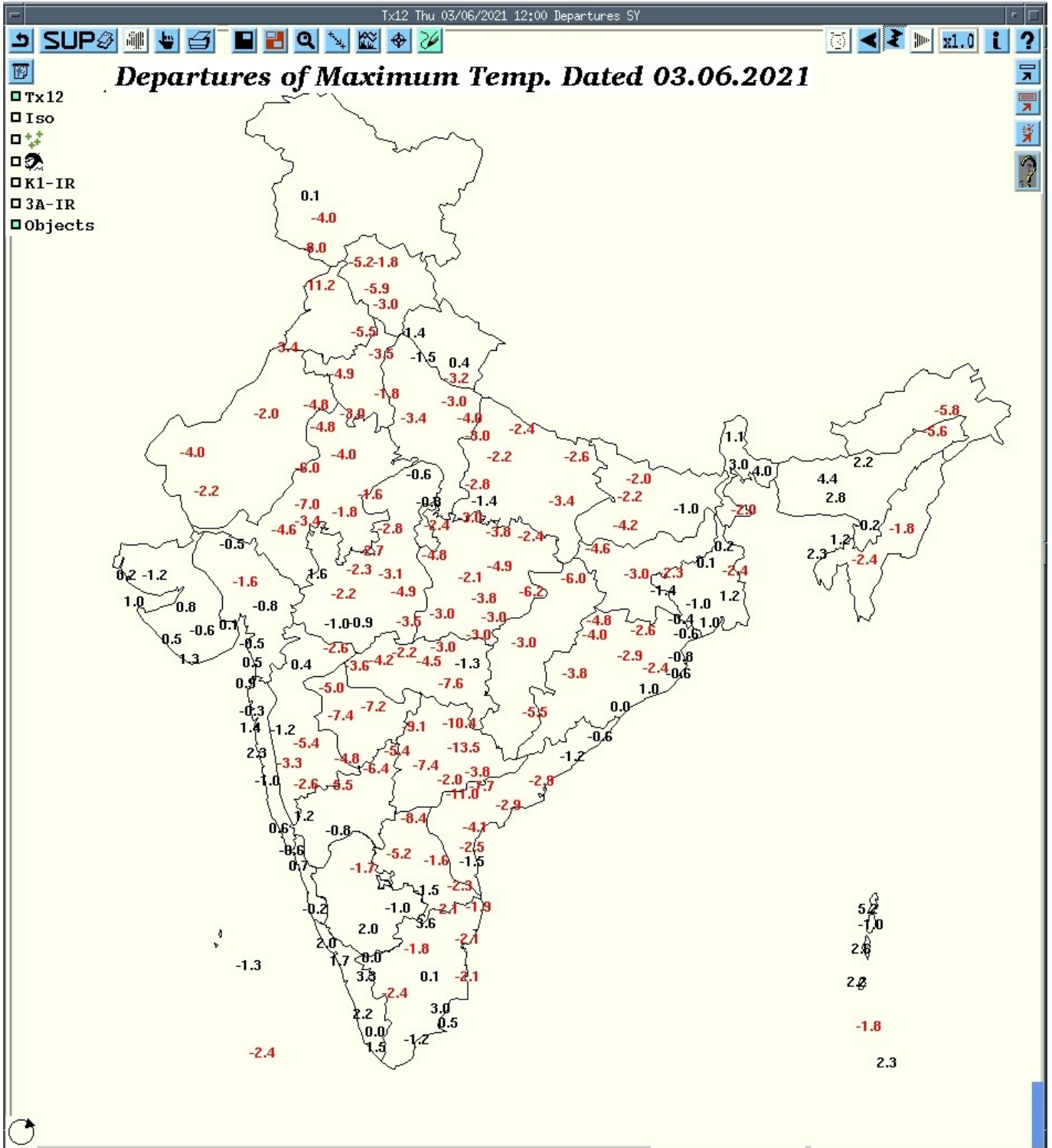
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(Created by the MetInfo@1975)



Fig. 4 : Departure from Normal of Maximum Temperatures



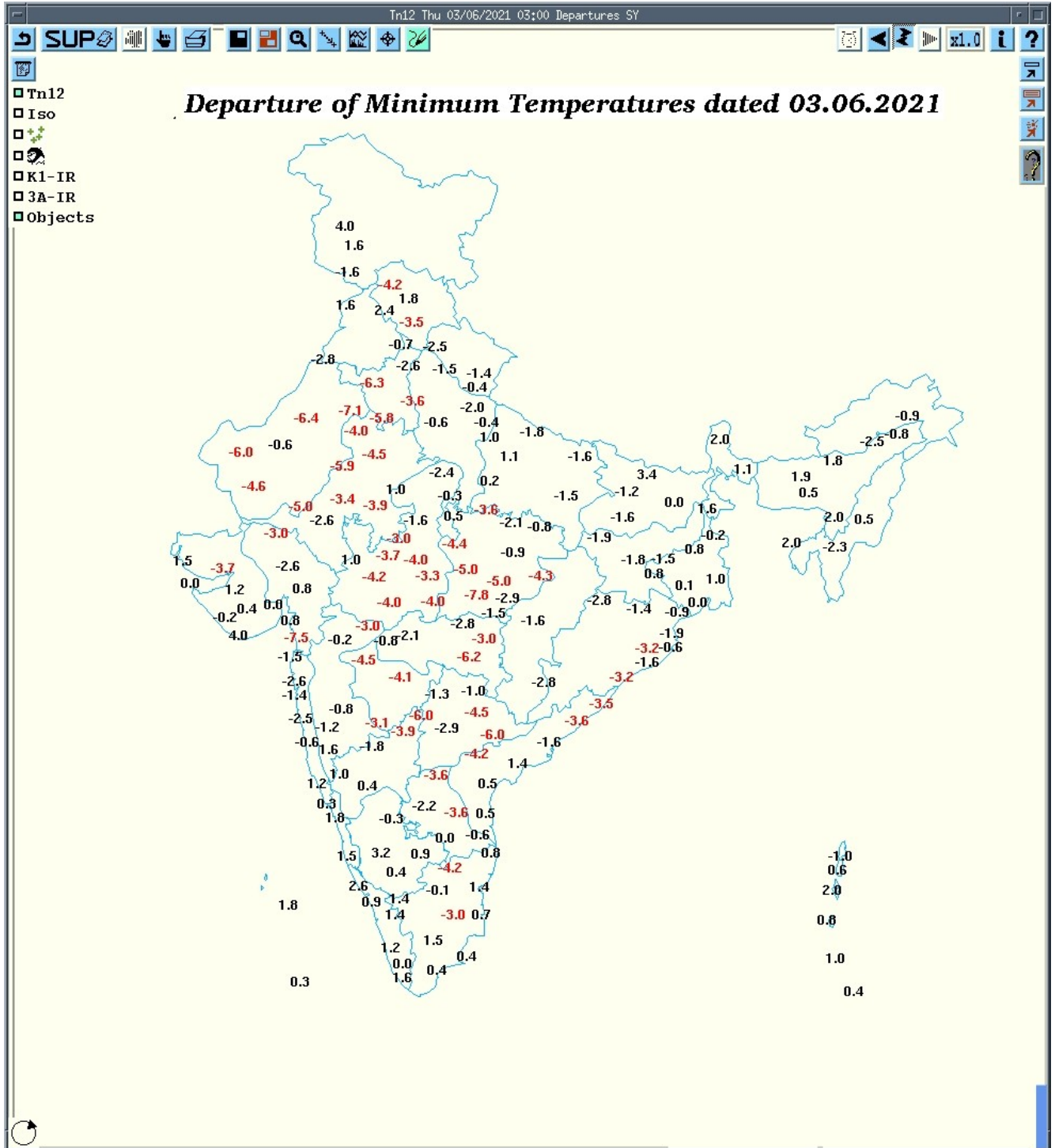
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(Created by the MetInfo@1977)

Fig. 5 : Departure from Normal of Minimum Temperatures



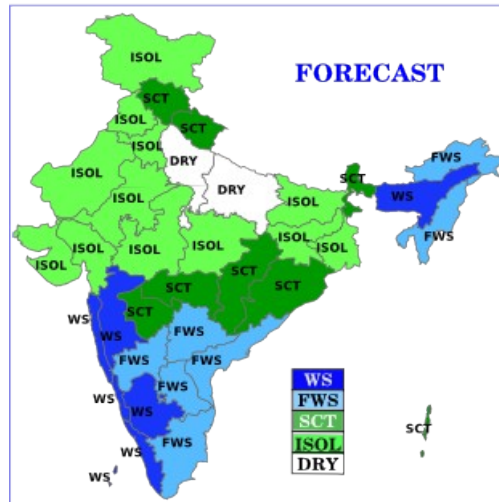
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Friday 04 June 2021



04 June (Day 1): ♦ **Thunderstorm with lightning & gusty winds (speed reaching 30-40 kmph)** very likely at isolated places over East Rajasthan, West Madhya Pradesh and Telangana and **with lightning** at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, East Madhya Pradesh, Vidarbha, Chhattisgarh, Odisha, Gujarat state, Madhya Maharashtra, Marathwada, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Rayalaseema, Coastal & North Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Thunderstorm/Duststorm with lightning & gusty winds (speed reaching 30-40 kmph)** very likely at isolated places over West Rajasthan.

♦ **Heavy Rainfall** at isolated places very likely over Arunachal Pradesh, Assam & Meghalaya, Madhya Maharashtra, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal & South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Strong Wind (speed 40-50 kmph gusting to 60 kmph)** very likely over Southwest & Westcentral Arabian Sea and with wind speed 40-50 kmph over Lakshadweep area, Southeast Arabian Sea off Kerala coast. Fishermen are advised not to venture into these areas.

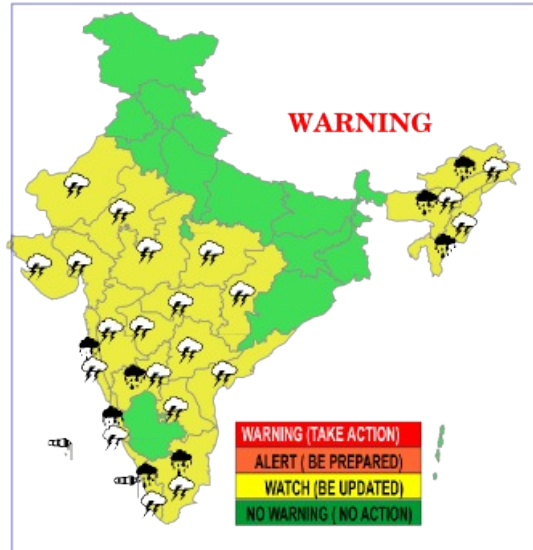
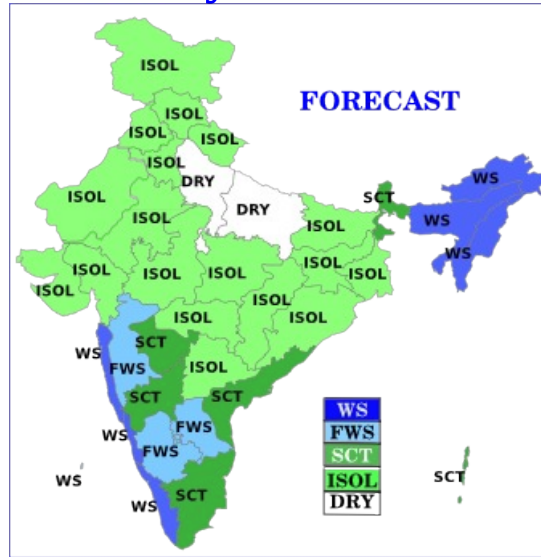
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Saturday 05 June 2021



05 June (Day 2): ♦ Thunderstorm with lightning & gusty winds (speed reaching 30-40 kmph) very likely at isolated places Rajasthan and **with lightning** at isolated places over Madhya Pradesh, Vidarbha, Chhattisgarh, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Madhya Maharashtra, Marathwada, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal & North Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Heavy Rainfall** at isolated places very likely over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Coastal & North Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Strong Wind (speed 40-50 kmph gusting to 60 kmph)** very likely over Southwest & Westcentral Arabian Sea and **with wind speed 40-50 kmph** over Lakshadweep area, Southeast Arabian Sea off Kerala coast. Fishermen are advised not to venture into these areas.

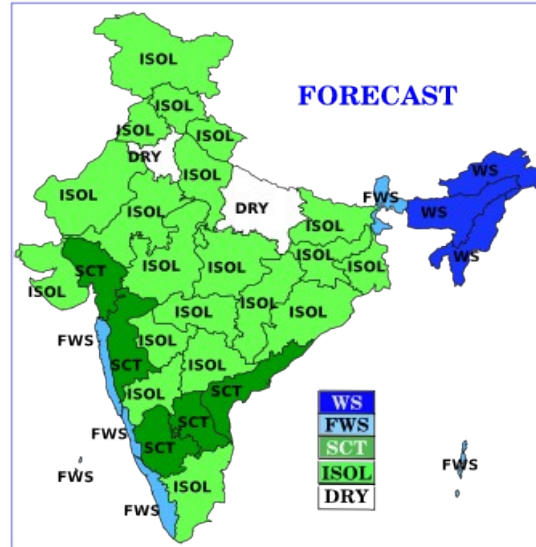
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Sunday 06 June 2021



06 June (Day 3): ♦ Thunderstorm with lightning at isolated places likely over Madhya Pradesh, Vidarbha, Chhattisgarh, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Telangana, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Heavy Rainfall** at isolated places likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

♦ **Strong Wind (speed 40-50 kmph gusting to 60 kmph)** likely over Southwest & Westcentral Arabian Sea. Fishermen are advised not to venture into these areas.

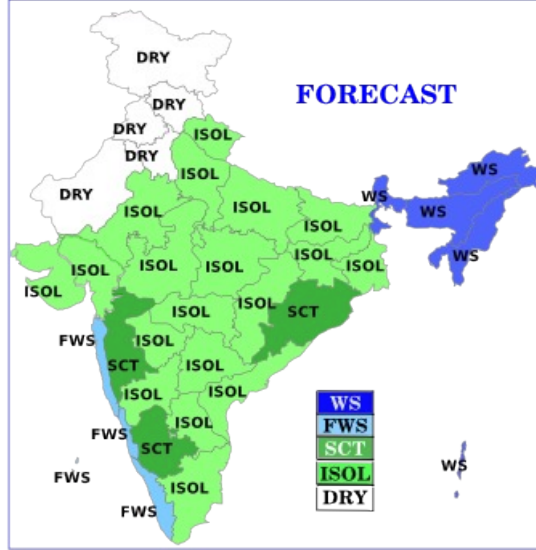
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Monday 07 June 2021



07 June (Day 4): ♦ **Thunderstorm with lightning** at isolated places likely over Uttarakhand, Madhya Pradesh, Vidarbha, Chhattisgarh, West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Gujarat state, Telangana, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Heavy Rainfall** at isolated places likely over Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands and Assam & Meghalaya.

♦ **Strong Wind (speed 40-50 kmph gusting to 60 kmph)** likely over Southwest & Westcentral Arabian Sea. Fishermen are advised not to venture into these areas.

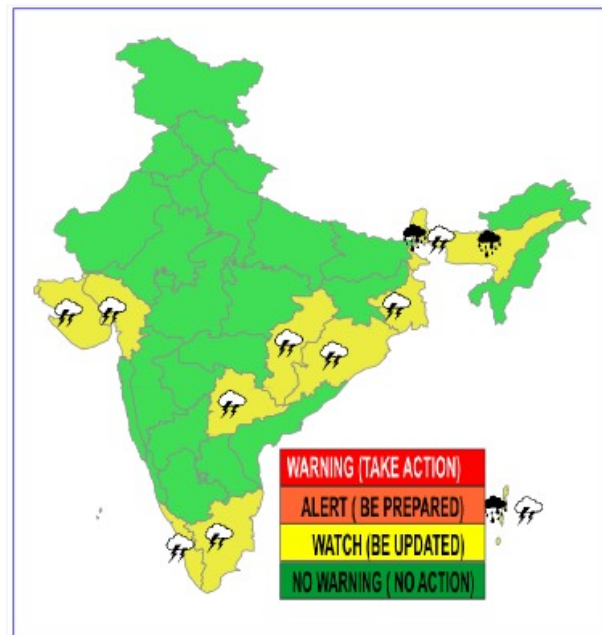
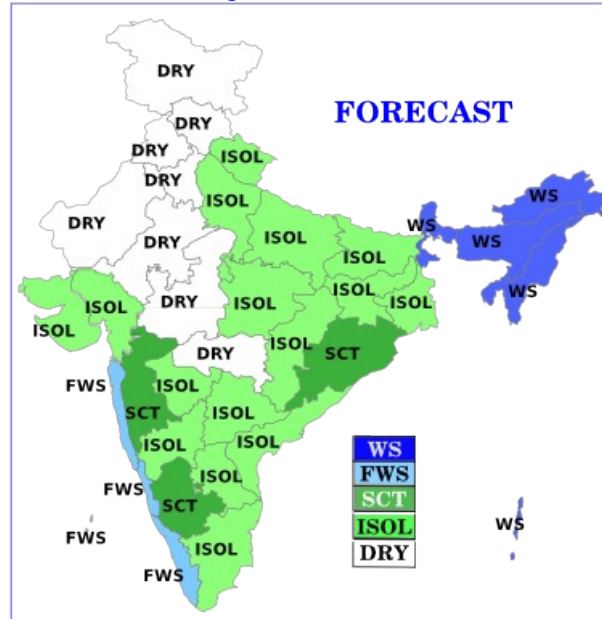
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Tuesday 08 June 2021



08 June (Day 5): ♦ **Thunderstorm with lightning** at isolated places likely over Chhattisgarh, West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Gujarat state, Telangana, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Heavy Rainfall** at isolated places likely over Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands and Assam & Meghalaya.

♦ **Strong Wind (speed 40-50 kmph gusting to 60 kmph)** likely over Southwest & Westcentral Arabian Sea. Fishermen are advised not to venture into these areas.

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

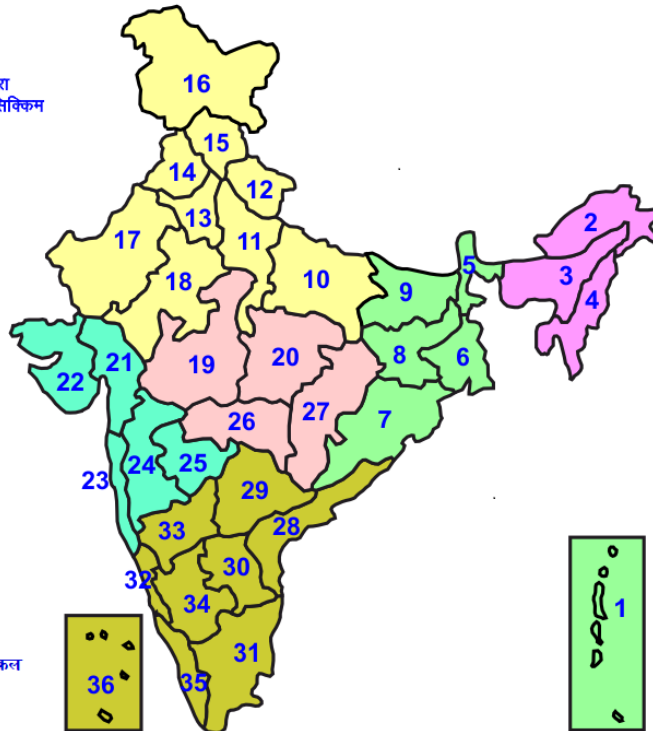
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(Circle as the Nation since 1975)

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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(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 $\geq 6.5^{\circ}\text{C}$

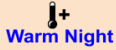
(b). Based on Actual maximum temperature

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)

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