

Main Weather Observations

◆ **Rain/Thundershowers observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): **at most places over** Assam & Meghalaya, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Sub-Himalayan West Bengal & Sikkim, Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad

and Konkan & Goa; **at many places over** Andaman & Nicobar Islands, Gangetic West Bengal, Odisha, Jharkhand, Bihar, Haryana, Chandigarh & Delhi, Himachal Pradesh, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Coastal Karnataka and Lakshadweep; **at a few places over** Uttarakhand, Madhya Maharashtra, Vidarbha, Telangana and Rayalaseema and **at isolated places over** Uttar Pradesh, Rajasthan, Madhya Pradesh, Gujarat Region, Interior Karnataka, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

◆ **Rainfall recorded** (from 0830 hours IST of yesterday to 0830 hours IST of today) (4 cm or more): Birpur-18; Buxaduar-17; Taibpur-13; Mawsynrm, Bhimnagar, Bagaha-11 each; Thakurganj, Gaunaha, Bagrakote, Kolkata-10; Jalpaiguri, Balasore, Udala and Cherrapunji-9; Tuting, Jammu, Narpatganj, Galgolia, Baigania, Palasamudram, Anuppur, Nawagarh-8; Khliehlat, Nayagarh, Neora, Jainagar, Pundibari, Asansol, Nainadevi, Villupuram, Kancheepuram, Gingee, Kansabel-7; Daimondharbour, Tamnar, Mainpat, Bulirr, Satyavedu, Coochbehar-6; Port Blair-5; Vellore, Trupathi, Vishakhapatnam, Bhubaneswar-4; Gorakhpur, M. opuducherry, Goalpara, Palam (newdelhi) and Ridge-3 each.

◆ **Heavy Rainfall observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): **Heavy to very heavy rainfall** observed at isolated places over Bihar and Sub-Himalayan West Bengal & Sikkim and heavy rainfall at isolated places over Arunachal Pradesh, Assam & Meghalaya, Gangetic West Bengal, Odisha, Uttarakhand, Himachal Pradesh, Jammu, East Madhya Pradesh, Rayalaseema, Coastal Karnataka, Chhattisgarh and Tamil Nadu, Puducherry & Karaikal.

◆ **Thunderstorm observed** (from 0830 hrs IST of yesterday to 0830 hrs IST today): at isolated places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, West Bengal & Sikkim, Himachal Pradesh, Uttarakhand, Punjab, East Uttar Pradesh, Jharkhand, Madhya Pradesh, Odisha, Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamil Nadu and Kerala & Mahe.

◆ **Maximum Temperature Departures as on 02-07-2021:** Maximum temperatures were **markedly above normal (5.1°C or more)** at isolated places over Punjab; **appreciably above normal (3.1°C to 5.0°C)** at most places over Uttarakhand, Haryana, Chandigarh & Delhi and West Uttar Pradesh; at a few places over Himachal Pradesh; at isolated places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Rajasthan and Kerala & Mahe; **above normal (1.6°C to 3.0°C)** at many places over Konkan & Goa, Madhya Maharashtra and Coastal & South Interior Karnataka; at a few places over East Uttar Pradesh and Odisha; at isolated places over Madhya Pradesh, Vidarbha, Gujarat, Gangetic West Bengal and Tamil Nadu, Puducherry & Karaikal. They were **remarkably below normal (-5.1°C or less)** at isolated places over Arunachal Pradesh, Telangana and Coastal Andhra Pradesh & Yanam; **appreciably below normal (-3.1°C to -5.0°C)** at a few places over Nagaland, Manipur, Mizoram & Tripura, Assam & Meghalaya and Chhattisgarh; at isolated places over Sub-Himalayan West Bengal & Sikkim; **below normal (-1.6°C to -3.0°C)** at isolated places over Andaman & Nicobar Islands and **near normal** over rest parts of the country. The **highest maximum temperature** of 43.6°C was reported at Churu (West Rajasthan).

◆ **Minimum Temperature Departures as on 02-07-2021:** Minimum temperatures are **above normal (1.6°C to 3.0°C)** at a few places over Rajasthan, Madhya Pradesh and Kerala & Mahe and at isolated places over Gujarat State, Vidarbha, Konkan & Goa. They are **appreciably below normal (-3.1°C to -5.0°C)** at isolated places over North Tamil Nadu, Puducherry & Karaikal and Coastal Andhra Pradesh Yanam; **below normal (-1.6°C to -3.0°C)** at many places over Haryana, Chandigarh & Delhi and Himachal Pradesh and at isolated places over Punjab, East Uttar Pradesh, Telangana, Rayalaseema and Assam & Meghalaya and **near normal** over rest parts of the country. Today, the **lowest minimum temperature** of 17.6°C reported at Seoni (East Madhya Pradesh).

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Meteorological Analysis (Based on 0830 hours IST)

- ◆ The northern Limit of southwest monsoon (NLM) continues to pass through Lat. 26°N / Long. 70°E, Barmer, Bhilwara, Dholpur, Aligarh, Meerut, Ambala and Amritsar.
- ◆ Prevailing meteorological conditions, large scale atmospheric features and the forecast wind pattern by dynamical models suggest that no favourable conditions are likely to develop for further advance of southwest monsoon into remaining parts of Rajasthan, West Uttar Pradesh, Haryana, Chandigarh & Delhi and Punjab during next 5 days.
- ◆ The trough at mean sea level from northwest Rajasthan now runs upto Nagaland across south Haryana, central parts of Uttar Pradesh, Bihar, Sub-Himalayan West Bengal and Assam extending upto 0.9 km above mean sea level.
- ◆ The Western Disturbance as a trough in mid & upper westerlies with its axis at 5.8 km above mean sea level now runs roughly along Long. 72°E to the north of Lat. 25°N.
- ◆ The cyclonic circulation over North Pakistan & neighbourhood now lies over north Pakistan adjoining Punjab and extends upto 1.5 km above mean sea level.
- ◆ The cyclonic circulation over Southwest Rajasthan & neighbourhood persists and now seen between 3.1 & 4.5 km above mean sea level.
- ◆ A north-south trough runs from northeast Bihar to south Interior Odisha between 1.5 & 3.1 km above mean sea level.
- ◆ A cyclonic circulation lies over west Assam & neighbourhood and extends upto 0.9 km above mean sea level.
- ◆ A cyclonic circulation lies over Sri Lanka & neighbourhood at 3.1 km above mean sea level.
- ◆ The cyclonic circulation over West Central Arabian Sea & adjoining south Oman coast at 1.5 km above mean sea level has become less marked.
- ◆ The cyclonic circulation over Northwest Madhya Pradesh & neighbourhood at 3.1 km above mean sea level has become less marked.
- ◆ The cyclonic circulation over Telangana & neighbourhood at 5.8 km above mean sea level has become less marked.
- ◆ The cyclonic circulation over south coastal Tamil Nadu & neighbourhood extending upto 0.9 km above mean sea level has become less marked.

Weather Forecast for next 5 days* upto 0830 hours IST of 08th July, 2021

- ◆ Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- ◆ Maximum Temperatures over the plains of North West India are likely to fall by 3-4°C today and no significant change is likely thereafter. Subsequently, no heat wave conditions are likely over the region during next 5 days.

Weather Outlook for subsequent 2 days from 08th July 2021 to 10th July 2021

- ◆ Widespread rainfall with isolated heavy falls likely over Northeast, East and adjoining Central India and along the west coast; scattered to fairly widespread rainfall over the peninsular India and Islands and isolated rainfall likely over parts of West and North West India except Rajasthan where dry weather is likely.

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Weather Warning during next 5 days*

03 July (Day 1): ♦ Heavy to Very Heavy Rainfall very likely over Bihar, Sub-Himalayan West Bengal & Sikkim and Bihar and **Heavy Rainfall** at isolated places over Himachal Pradesh, Uttarakhand, Gangetic West Bengal, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Tamilnadu, Puducherry & Karaikal.

♦ **Thunderstorm with lightning & gusty winds (speed reaching 30-40 kmph)** very likely at isolated places over Himachal Pradesh, Uttarakhand, Punjab, East Rajasthan and Haryana, Chandigarh & Delhi and **with lightning** at isolated places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Uttar Pradesh, East Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, Telangana, Coastal Interior Karnataka, Tamilnadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

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

♦ **Strong Winds (speed 40-50 kmph gusting to 60 kmph)**

very likely over Southwest, West central & north west Arabian sea and Gulf of Mannar. Fishermen are advised not to venture into these areas.

04 July (Day 2): ♦ Heavy Rainfall very likely at isolated places over Uttarakhand, Bihar, Sub-

Himalayan West Bengal & Sikkim, Odisha, Assam & Meghalaya, Rayalaseema and Tamilnadu, Puducherry & Karaikal.

♦ **Thunderstorm with lightning & gusty winds (speed reaching 30-40 kmph)** very likely at isolated places over Himachal Pradesh, Uttarakhand, Punjab and Haryana, Chandigarh & Delhi and **with lightning** at isolated places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Uttar Pradesh, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamilnadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Strong Winds (speed 40-50 kmph gusting to 60 kmph)**

very likely over Southwest, West central & north west Arabian sea and Gulf of Mannar. Fishermen are advised not to venture into these areas.

05 July (Day 3): ♦ Heavy Rainfall very likely at isolated places over East Uttar Pradesh, Bihar, Sub-

Himalayan West Bengal & Sikkim, Assam & Meghalaya, Coastal Andhra Pradesh & Yanam, Telangana, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Thunderstorm with lightning** very likely at isolated places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, East Uttar Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Assam & Meghalaya, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Tamilnadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Strong Winds (speed 40-50 kmph gusting to 60 kmph)** very likely over Southwest, West central & north west Arabian sea. Fishermen are advised not to venture into these areas.

06 July (Day 4): ♦ Heavy to very heavy Rainfall likely at isolated places over Bihar, Sub-Himalayan West Bengal & Sikkim and Assam & Meghalaya and **heavy**

Rainfall likely at isolated places over East Uttar Pradesh, Arunachal Pradesh, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal & South Interior Karnataka, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Thunderstorm with lightning** likely at isolated places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Uttar Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Marathwada, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka, Tamilnadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Strong Winds (speed 40-50 kmph gusting to 60 kmph)**

likely over Southwest, West central & north west Arabian sea. Fishermen are advised not to venture into these areas.

07 July (Day 5): ♦ Heavy to very heavy Rainfall likely at isolated places over Bihar and **heavy Rainfall** likely at isolated places over Himachal Pradesh, Uttarakhand, Uttar Pradesh, Jharkhand, West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Assam & Meghalaya, Coastal & South Interior Karnataka, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Thunderstorm with lightning**

& gusty

winds (speed reaching 30-40 kmph)

at isolated places very likely over Punjab, Haryana, Chandigarh & Delhi and Rajasthan; **with lightning** likely at isolated places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Uttar Pradesh, East Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Marathwada, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka, Tamilnadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Strong Winds (speed 40-50 kmph gusting to 60 kmph)** very likely over Southwest, West central & north west 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 districtwise warning.

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Table-1
5 Day Rainfall Forecast (MID-DAY)
03-July-2021

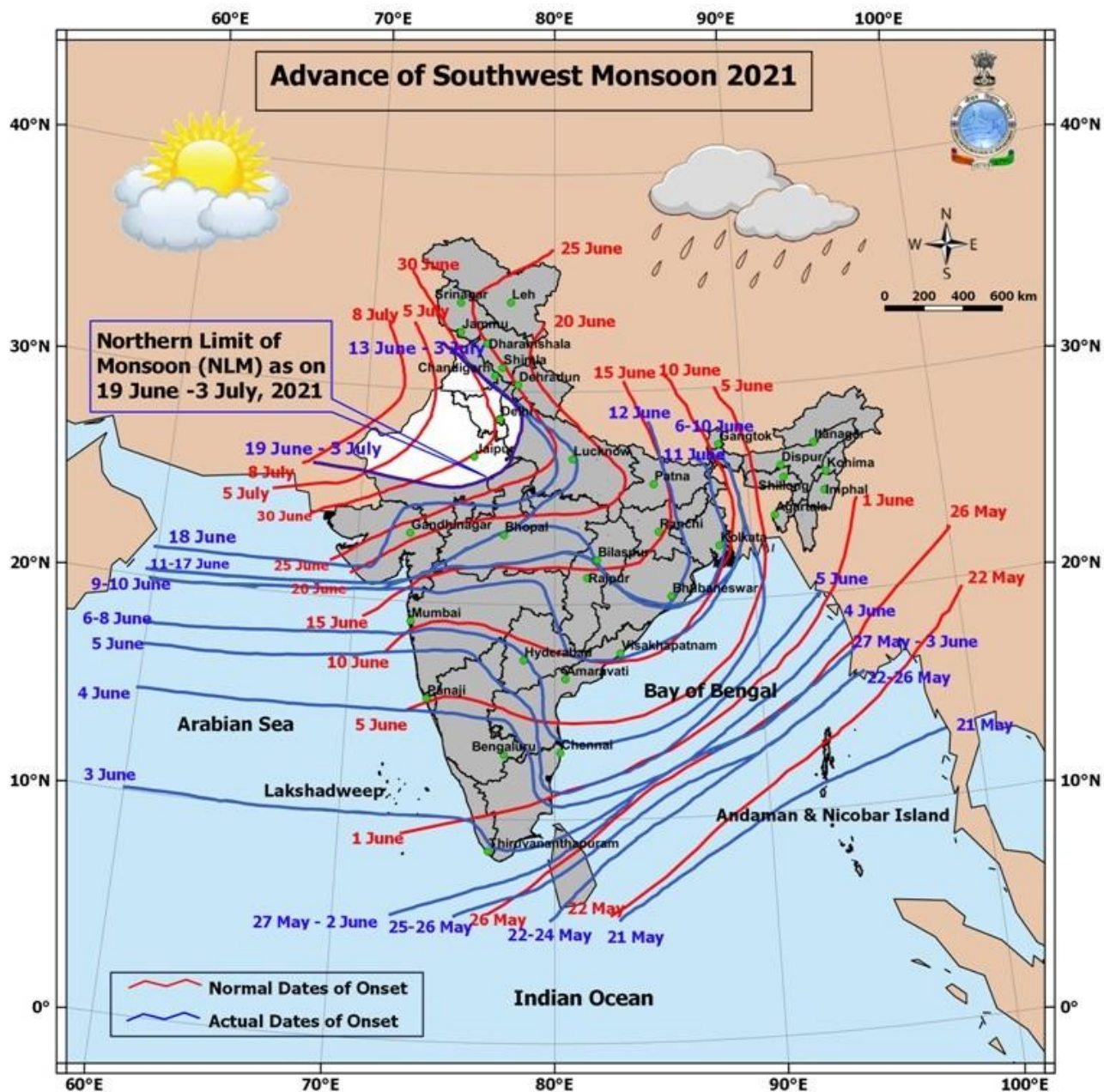
Met-Sub-Division	03-Jul Today	04Jul Sun	05Jul Mon	06Jul Tue	07Jul Wed
1. Andaman & Nicobar Islands	SCT	FWS	FWS	WS	WS
2. Arunachal Pradesh	WS	FWS	WS	WS	FWS
3. Assam & Meghalaya	WS	WS	WS	WS	WS
4. N. M. M. & T.	WS	FWS	FWS	FWS	FWS
5. S.H. West Bengal & Sikkim	WS	WS	WS	WS	WS
6. Gangetic West Bengal	FWS	FWS	FWS	FWS	FWS
7. Odisha	SCT	FWS	SCT	SCT	FWS
8. Jharkhand	FWS	SCT	SCT	FWS	FWS
9. Bihar	FWS	FWS	FWS	WS	WS
10. East Uttar Pradesh	ISOL	ISOL	SCT	FWS	WS
11. West Uttar Pradesh	ISOL	ISOL	ISOL	ISOL	SCT
12. Uttarakhand	FWS	SCT	ISOL	SCT	FWS
13. Haryana, Chd & Delhi	SCT	SCT	ISOL	ISOL	SCT
14. Punjab	SCT	SCT	ISOL	ISOL	SCT
15. Himachal Pradesh	FWS	SCT	ISOL	SCT	SCT
16. J & K and Ladakh	FWS	FWS	SCT	SCT	SCT
17. West Rajsthan	ISOL	ISOL	DRY	DRY	ISOL
18. East Rajasthan	ISOL	ISOL	DRY	DRY	ISOL
19. West Madhya Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
20. East Madhya Pradesh	ISOL	ISOL	ISOL	ISOL	SCT
21. Gujarat Region	DRY	DRY	DRY	ISOL	ISOL
22. Saurashtra & Kutch	ISOL	ISOL	ISOL	ISOL	ISOL
23. Konkan & Goa	WS	WS	WS	WS	WS
24. Madhya Maharashtra	ISOL	ISOL	ISOL	SCT	SCT
25. Marathawada	DRY	ISOL	ISOL	SCT	SCT
26. Vidharbha	ISOL	ISOL	SCT	SCT	SCT
27. Chhattisgarh	SCT	SCT	SCT	SCT	FWS
28. Coastal A. P. & Yanam	SCT	SCT	SCT	FWS	FWS
29. Telangana	ISOL	ISOL	SCT	SCT	SCT
30. Rayalaseema	ISOL	SCT	SCT	SCT	SCT
31. T.N.,Puducherry & Karaikal	SCT	SCT	SCT	SCT	SCT
32. Coastal Karnataka	FWS	FWS	FWS	WS	WS
33. North Interior Karnataka	ISOL	ISOL	ISOL	SCT	SCT
34. South Interior Karnataka	SCT	SCT	SCT	FWS	FWS
35. Kerala & Mahe	FWS	FWS	FWS	WS	WS
36. Lakshadweep	WS	WS	WS	WS	WS

% 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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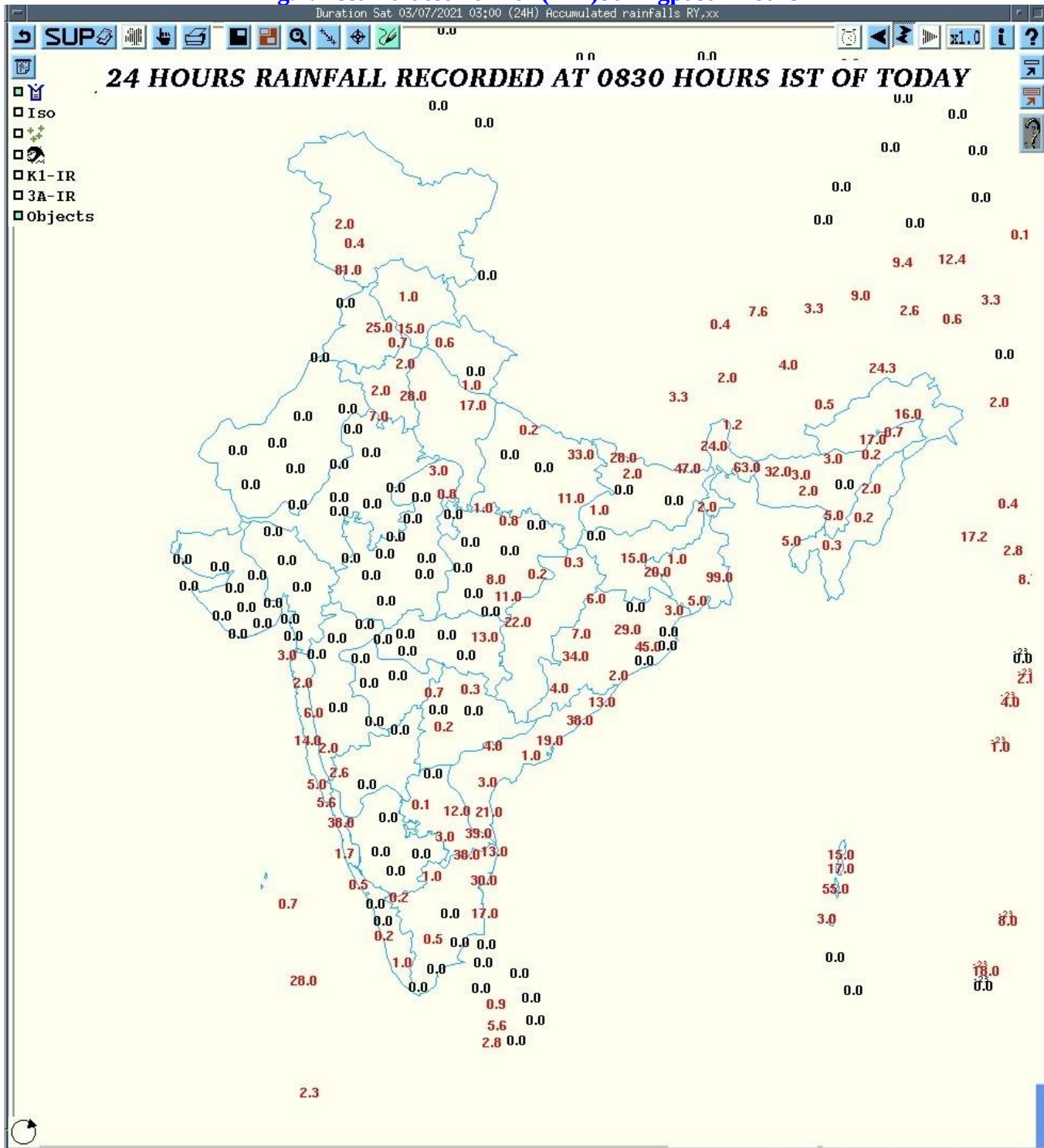
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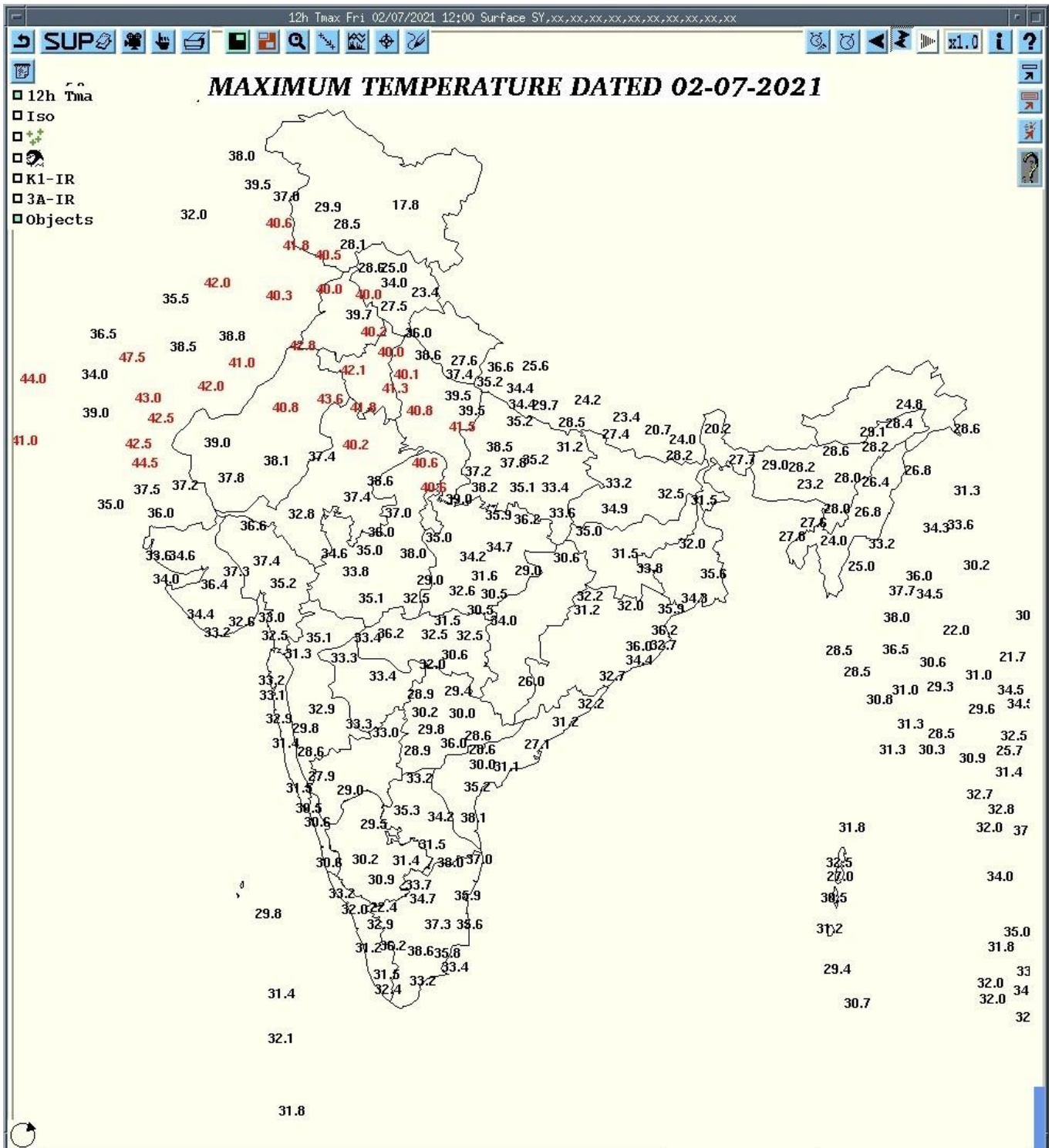
Fig.1:AccumulatedRainfall(mm)duringpast24hours



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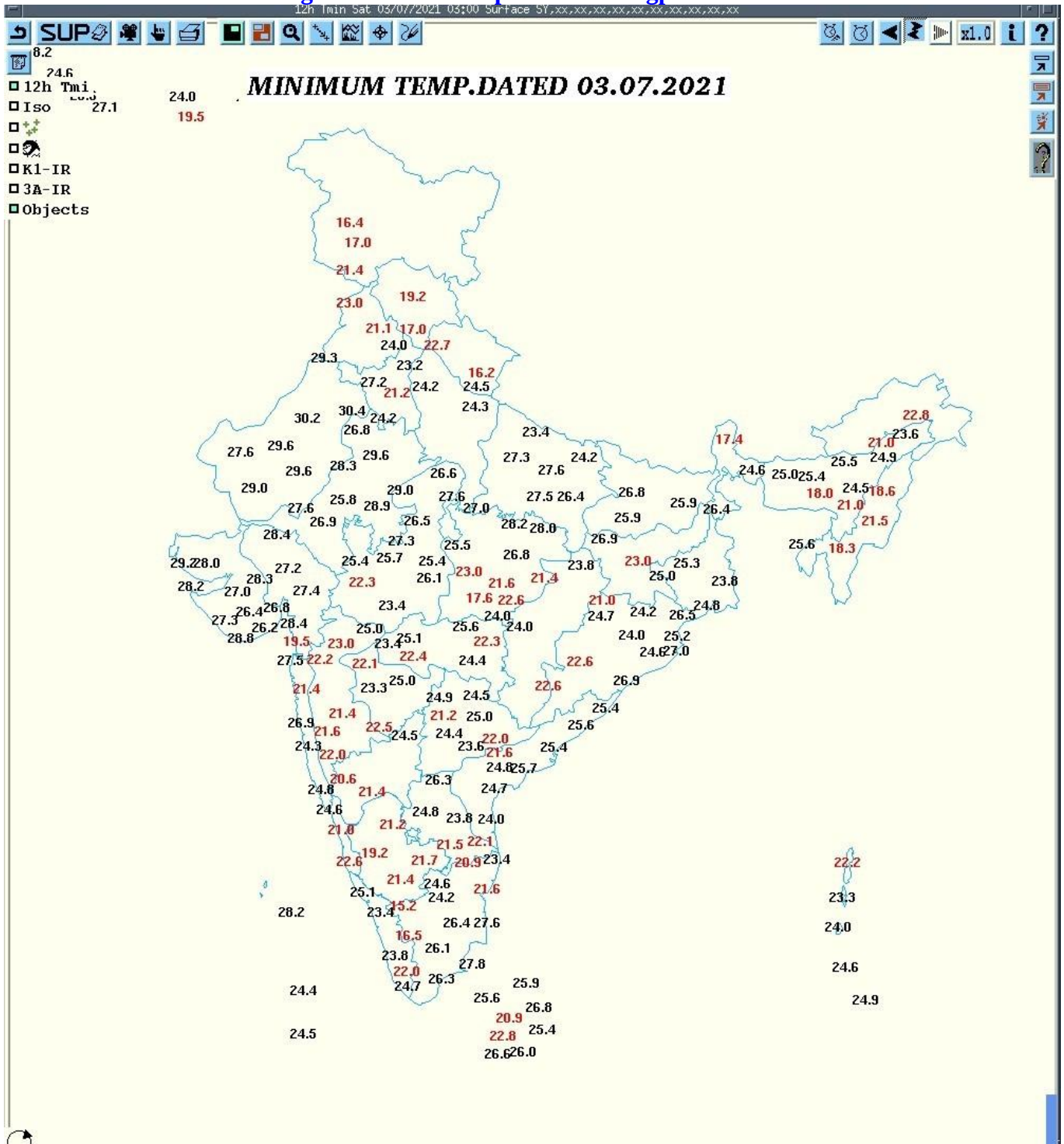
Fig.2:MaximumTemperatureduringpast24hours



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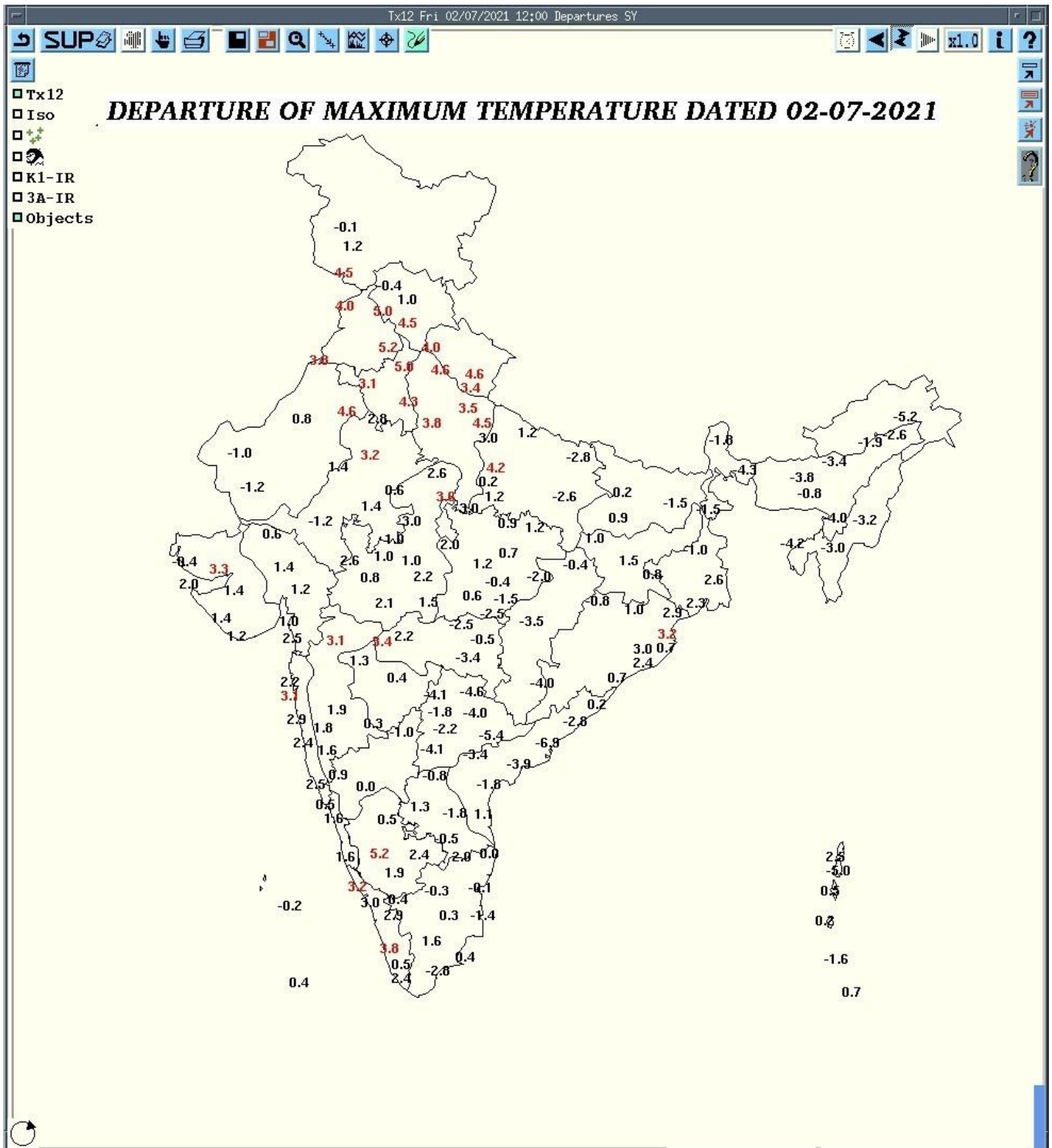
Fig.3: Minimum Temperature during past 24 hours



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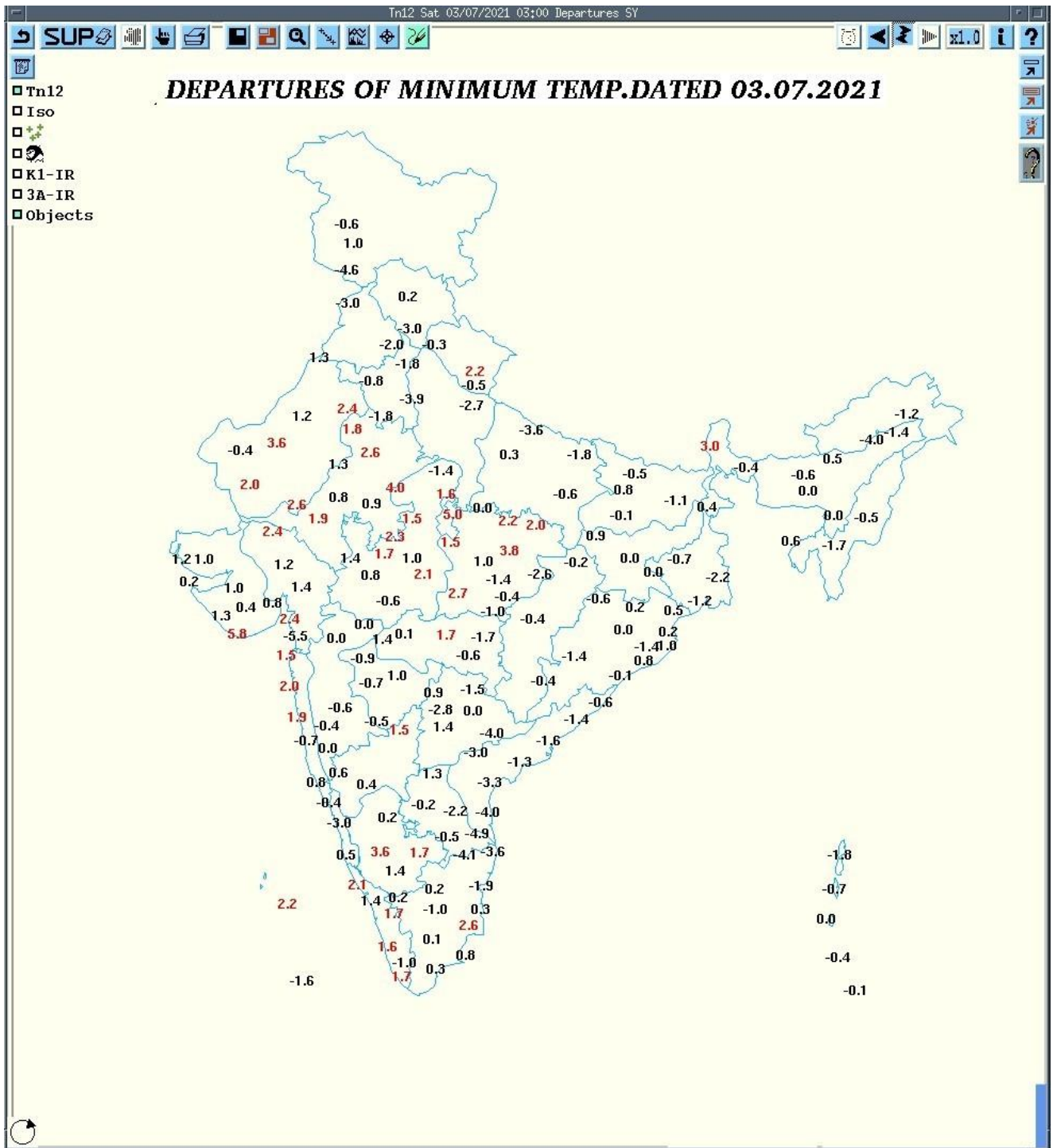
Fig.4:Departure from Normal of Maximum Temperatures



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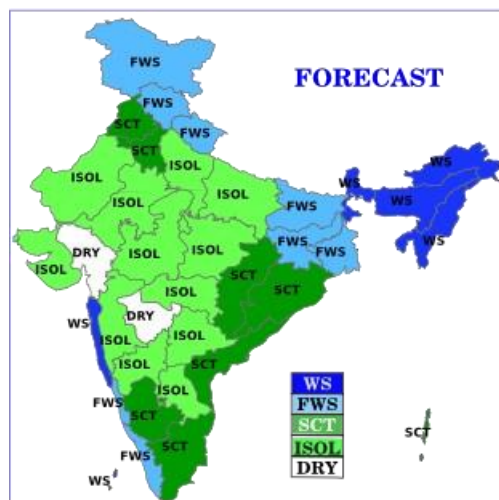
Fig.5:DeparturefromNormalofMinimum Temperatures



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Saturday 03 July 2021



03 July (Day 1): ♦ Heavy to Very Heavy Rainfall very likely over Bihar, Sub-Himalayan West Bengal & Sikkim and Bihar and **Heavy Rainfall** at isolated places over Himachal Pradesh, Uttarakhand, Gangetic West Bengal, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm with lightning & gusty winds (speed reaching 30-40 kmph)** very likely at isolated places over Himachal Pradesh, Uttarakhand, Punjab, East Rajasthan and Haryana, Chandigarh & Delhi and **with lightning** at isolated places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Uttar Pradesh, East Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, Telangana, Coastal Interior Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

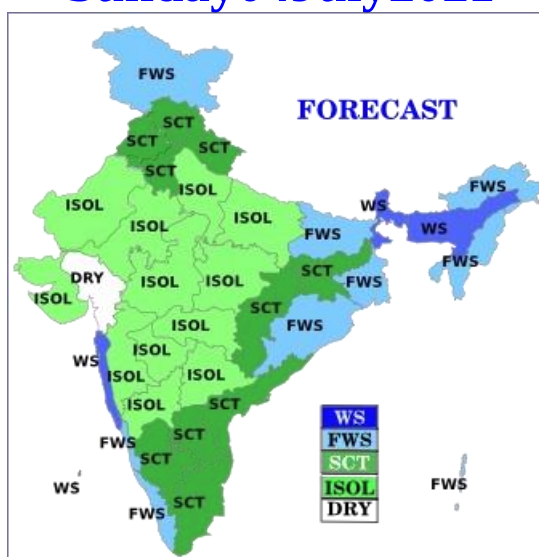
♦ **Thunderstorm/Dust storms with gusty winds (speed reaching 30-40 kmph)** very likely at isolated places over West Rajasthan.

♦ **Strong Winds (speed 40-50 kmph gusting to 60 kmph)** very likely over Southwest, West central & northwest Arabian sea and Gulf of Mannar. Fishermen are advised not to venture into these areas.

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Sunday 04 July 2021



04 July (Day 2): ♦ Heavy Rainfall very likely at isolated places over Uttarakhand, Bihar, Sub-Himalayan West Bengal & Sikkim, Odisha, Assam & Meghalaya, Rayalaseema and Tamil Nadu, Puducherry & Karaikal.

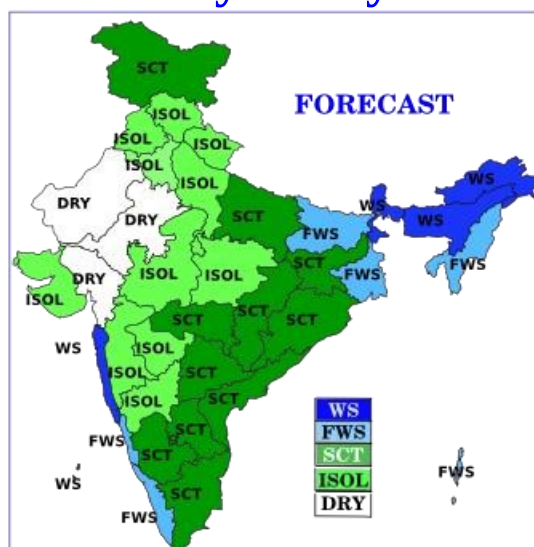
♦ **Thunderstorm with lightning & gusty winds (speed reaching 30-40 kmph)** very likely at isolated places over Himachal Pradesh, Uttarakhand, Punjab and Haryana, Chandigarh & Delhi and **with lightning** at isolated places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Uttar Pradesh, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Strong Winds (speed 40-**

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Monday 05 July 2021



05 July (Day 3): ♦ Heavy Rainfall very likely at isolated places over East Uttar Pradesh, Bihar, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Coastal Andhra Pradesh & Yanam, Telangana, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

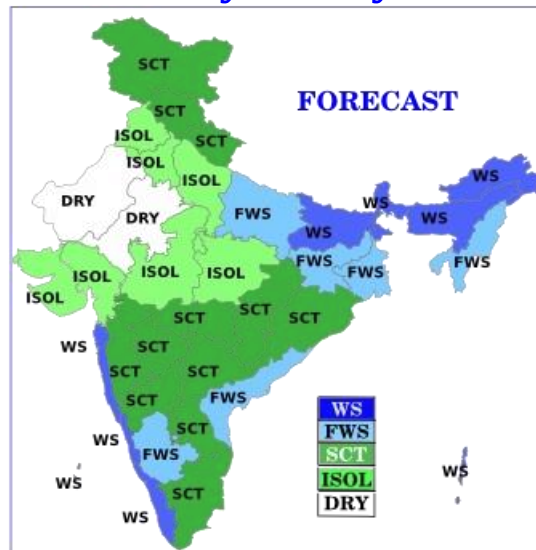
♦ **Thunderstorm with lightning** very likely at isolated places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, East Uttar Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Assam & Meghalaya, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Strong Winds (speed 40-50 kmph gusting to 60 kmph)** very likely over Southwest, West central & north west Arabian sea. Fishermen are advised not to venture into these areas.

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Tuesday 06 July 2021

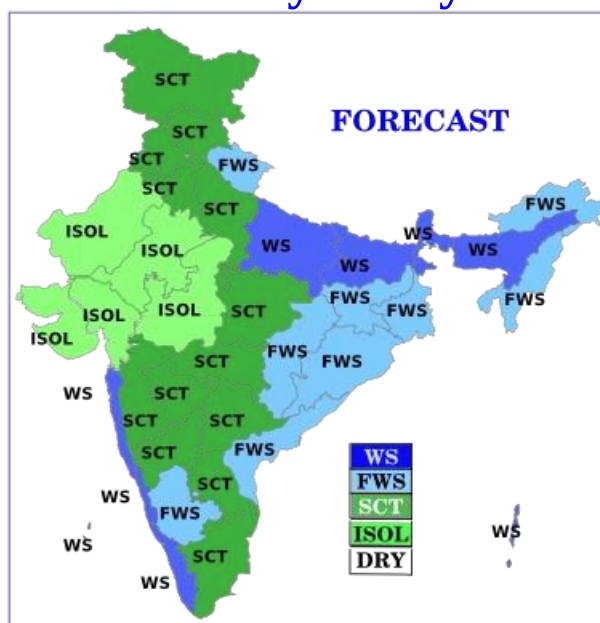


06 July (Day 4): ♦ Heavy to very heavy Rainfall likely at isolated places over Bihar, Sub-Himalayan West Bengal & Sikkim and Assam & Meghalaya and **heavy Rainfall** likely at isolated places over East Uttar Pradesh, Arunachal Pradesh, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal & South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Thunderstorm with lightning** likely at isolated places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Uttar Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Marathwada, Madhya Pradesh, Maharashtra, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Strong Winds (speed 40-50 kmph gusting to 60 kmph)** likely over Southwest, West central & north west Arabian sea. Fishermen are advised not to venture into these areas.

Wednesday 07 July 2021



07 July (Day 5): ♦ Heavy to very heavy Rainfall likely at isolated places over Bihar and **heavy Rainfall** likely at isolated places over Himachal Pradesh, Uttarakhand, Uttar Pradesh, Jharkhand, West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Assam & Meghalaya, Coastal & South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Thunderstorm with lightning** & gusty winds (speed reaching 30-40 kmph) at isolated places very likely over Punjab, Haryana, Chandigarh & Delhi and Rajasthan; **with lightning** likely at isolated places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Uttar Pradesh, East Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Marathwada, Madhya Pradesh, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

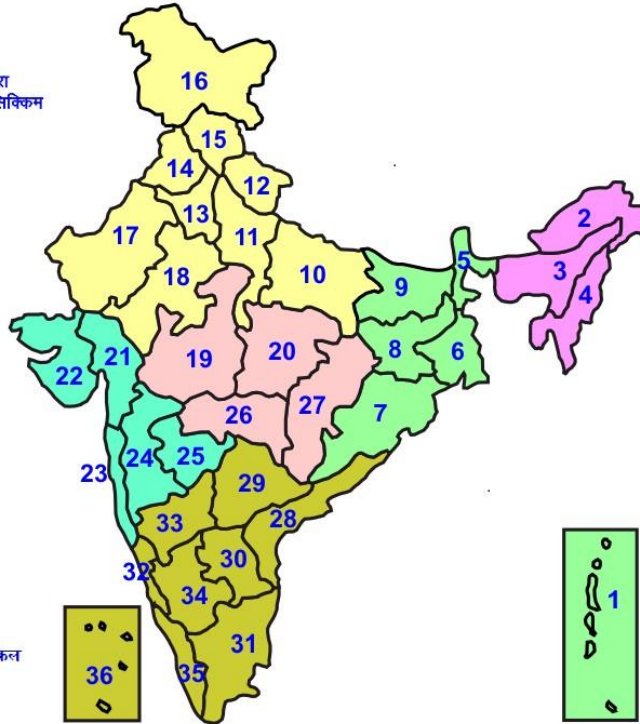
♦ **Strong Winds (speed 40-50 kmph gusting to 60 kmph)** very likely over Southwest, West central & north west Arabian sea. Fishermen are advised not to venture out.

***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 2463 1913, 2464 3965, 2462 9798

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



1. Andaman & Nicobar Islands
2. Arunachal Pradesh
3. Assam & Meghalaya
4. Nagaland, Manipur, Mizoram & Tripura
5. Sub-Himalayan West Bengal & Sikkim
6. Gangetic West Bengal
7. Orissa
8. Jharkhand
9. Bihar
10. East Uttar Pradesh
11. West Uttar Pradesh
12. Uttarakhand
13. Haryana, Chd & Delhi
14. Punjab
15. Himachal Pradesh
16. Jammu & Kashmir and Ladakh
17. West Rajasthan
18. East Rajasthan
19. West Madhya Pradesh
20. East Madhya Pradesh
21. Gujarat
22. Saurashtra
23. Konkan & Goa
24. Madhya Maharashtra
25. Marathawada
26. Vidharbha
27. Chhattisgarh
28. Coastal Andhra Pradesh & Yanam
29. Telangana
30. Rayalaseema
31. Tamilnadu, Puducherry & Karaikal
32. Coastal Karnataka
33. North Interior Karnataka
34. South Interior Karnataka
35. Kerala & Mahe
36. Lakshadweep

SPATIAL DISTRIBUTION (% of Stations reporting)

% Stations	Category	% Stations	Category
76-100	Widespread (WS/Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)

WARNING

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

(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)

SS/RKC

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