



Saturday 02 July 2022

**MORNING**

Time of Issue: 0800 hours IST

**ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN**

**Significant Weather Features**

**Advance of Southwest Monsoon:**

- ◆ The Northern Limit of Monsoon (NLM) continues to pass through Lat. 24°N/ Long. 60°E, Lat. 24°N/ Long. 65°E, Deesa, Chittorgarh, Bikaner and Khajuwala.
- ◆ Conditions are favorable for further advance of monsoon into remaining parts of Rajasthan and Gujarat during next 2 days. Hence, southwest monsoon is likely to cover the entire country during next 2 days.

**Rainfall/thunderstorm Forecast & Warnings:**

- ◆ An east-west trough runs from northwest Rajasthan to northeast Bay of Bengal in lower tropospheric levels. Due to this trough and moist winds from Bay of Bengal and Arabian Sea over northern parts of the country in lower tropospheric levels:
  - o Isolated heavy rainfall very likely over West Rajasthan on 02nd; East Rajasthan on 02nd & 04th; Himachal Pradesh on 05th & 06th; Uttarakhand and East Uttar Pradesh during 02nd-06th; West Uttar Pradesh on 05th July. Isolated heavy to very heavy rainfall also very likely over Uttarakhand on 05th & 06th and Himachal Pradesh on 06th July, 2022.
  - o Scattered/fairly widespread light/moderate rainfall with isolated thunderstorm/lightning very likely over Madhya Pradesh, Chhattisgarh and Vidarbha during next 5 days.
  - o Isolated heavy rainfall very likely over East Madhya Pradesh and Chhattisgarh during next 5 days; over West Madhya Pradesh on 02nd and 05th & 06th July 2022.
  - o Fairly widespread/widespread rainfall with thunderstorm/lightning very likely to continue over Bihar, Jharkhand, Odisha and Gangetic West Bengal during next 4-5 days.
  - o Isolated heavy rainfall very likely over Odisha during next 5 days; Bihar on 02nd & 05th; Jharkhand on 02nd, 03rd & 05th; Isolated heavy to very heavy rainfall also likely over Odisha on 04th July 2022.
- ◆ Under the influence of the off-shore trough at mean sea level south Gujarat to south Maharashtra coast and strong westerly/south westerly winds along the west coast in lower tropospheric levels:
  - o Widespread light/moderate rainfall with thunderstorm/lightning very likely over Konkan & Goa, Coastal Karnataka and Kerala & Mahe and scattered to fairly widespread rainfall activity over Gujarat, Madhya Maharashtra and Interior Karnataka during next 5 days.
  - o Isolated heavy rainfall very likely over Gujarat Region, Konkan & Goa, Coastal Karnataka and Kerala & Mahe during next 5 days; Madhya Maharashtra on 06th; South Interior Karnataka on 04th-06th; Tamil Nadu, Puducherry & Karaikal on 02nd & 05th & 06th July 2022.
  - o Isolated heavy to very heavy rainfall likely over Gujarat Region and Konkan & Goa on 02nd, 05th & 06th; Coastal Karnataka on 05th & 06th and Kerala & Mahe on 06th July 2022.

**Main Weather Observations**

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- ◆ **Rainfall/thundershower observed (from 0830 hours IST to 1730 hours IST of yesterday):** at **most places** over Konkan & Goa, Coastal Karnataka and Kerala & Mahe; at **many places** over Haryana, Chandigarh & Delhi, East Rajasthan and Gujarat; at **a few places** over Himachal Pradesh, Uttarakhand, West Rajasthan, West Madhya Pradesh, Gangetic West Bengal, Nagaland, Manipur, Mizoram & Tripura, Odisha, Rayalaseema, Madhya Maharashtra, Interior Karnataka and Lakshadweep and at **isolated places** over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Punjab, Uttar Pradesh, Bihar, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Andaman & Nicobar Islands, East Madhya Pradesh, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal.
- ◆ **Chief amount of Rainfall observed (from 0830 hours IST to 1730 hours IST of yesterday):** : (2 cm or more): Ajmer-11; Alibag-9; Bajpe and Bhilwara-8 each; Bulsar and Daman-7 each; Mumbai (Santacruz), Midnapore and Dahanu-5 each; Bhaunagar, Honavar, Namaul, Alwar and Muzaffarpur-4 each; Kota, Surat, Mangalore, Harnai and Diu-3 each; Jodhpur, Rajkot, Mahabaleshwar, Cannur, Shanti Niketan, Balasore, Valprai, Mumbai (Colaba) and Keshod-2 each.
- ◆ **Yesterday, Heavy rainfall observed** at isolated places occurred over East Rajasthan, Gujarat Region, Konkan & Goa and Coastal Karnataka.
- ◆ **Thunderstorm observed (from 0830 hours IST of yesterday to 0530 hours IST of today):** at isolated places over Jammu & Kashmir, Rajasthan, Punjab, Madhya Pradesh, Gujarat, East Uttar Pradesh, Jharkhand, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Bihar, Odisha, Chhattisgarh, Vidarbha, West Bengal & Sikkim, Coastal Andhra Pradesh & Yanam and Tamilnadu, Puducherry & Karaikal.
- ◆ **Maximum Temperature Departures (as on 01-07-2022):** Maximum temperatures were **appreciably above normal (3.1°C to 5.0°C)** at many place over Gangetic West Bengal; **above normal (1.6°C to 3.0°C)** at many places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad and Jharkhand; at a few places over Bihar, Odisha, Nagaland, Manipur, Mizoram & Tripura and Tamilnadu, Puducherry & Karaikal; at isolated places over Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, East Madhya Pradesh and Coastal Andhra Pradesh & Yanam. They were **markedly below normal (-5.1°C or more)** at many places over Haryana, Chandigarh & Delhi; at a few places over Rajasthan; **appreciably below normal (-3.1°C to -5.0°C)** at a few places over West Uttar Pradesh; at isolated places over Konkan & Goa; **below normal (-1.6°C to -3.0°C)** at most places over Punjab; at many places over Coastal Karnataka; ; at a few places over Kerala & Mahe; at isolated places over Himachal Pradesh and Gujarat and near normal over rest parts of the country. **Yesterday**, the highest maximum temperature of **38.8°C** was reported at Madurai (**Tamilnadu**).
- ◆ **Minimum Temperature Departures (as on 01-07-2022):** Minimum temperatures were **appreciably above normal (3.1°C to 5.0°C)** at a few places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad and Himachal Pradesh; **above normal (1.6°C to 3.0°C)** at a few places over West Rajasthan, Sub-Himalayan West Bengal & Sikkim, Gangetic West Bengal, Odisha and Gujarat Region; at isolated places over Saurashtra & Kutch. They were **appreciably below normal (-3.1°C to -5.0°C)** at many places over Haryana, Chandigarh & Delhi and East Rajasthan; **below normal (-1.6°C to -3.0°C)** at many places over Coastal Andhra Pradesh & Yanam; at a few places over Uttar Pradesh and Konkan & Goa; at isolated places over Madhya Pradesh, Assam & Meghalaya, Telangana and Tamil Nadu, Puducherry & Karaikal and near normal over rest parts of the country. **Today**, the lowest minimum temperature of **20.2°C** was reported at **Seoni (East Madhya Pradesh)** 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. 24°N/ Long. 60°E, Lat. 24°N/ Long. 65°E, Deesa, Chittorgarh, Bikaner and Khajuwala.
- ◆ Conditions are favorable for further advance of monsoon into remaining parts of Rajasthan and Gujarat during next 2 days. Hence, southwest monsoon is likely to cover the entire country during next 2 days..
- ◆ The east-west trough from northwest Rajasthan to Northeast Bay of Bengal across south Haryana, south Uttar Pradesh, Jharkhand and Gangetic West Bengal extending upto 1.5 km above mean sea level persists.
- ◆ The off-shore trough at mean sea level from south Gujarat to south Maharashtra persists.
- ◆ The cyclonic circulation over East Rajasthan & neighbourhood between 3.1 km & 5.8 km above mean sea level persists.
- ◆ The trough from above cyclonic circulation over East Rajasthan & neighbourhood to Westcentral Arabian Sea between 3.1 km & 5.8 km above mean sea level persists.
- ◆ A Low Pressure Area likely to form over north Odisha & neighbourhood around 04th July, 2022.

### Weather Forecast for next 5 days \* upto 0830 hours IST of 07th July, 2022

- ◆ Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- ◆ No significant change in maximum temperatures very likely over rest parts of the country during next 5 days.

### Weather Outlook for subsequent 2 days during 07th July-09th July, 2022

- ◆ Widespread light/moderate rainfall likely to continue over many parts of West coast.
- ◆ Scattered to fairly widespread rainfall likely over many parts of peninsular India, Northwest, East, Central & Northeast India, Sub-Himalayan West Bengal & Sikkim and Islands..
- ◆ Isolated to Scattered rainfall over rest parts of the country.

## Weather Warning during next 5 days \*

**02 July (Day 1): ♦ Heavy to very heavy rainfall** at isolated places very likely over Gujarat Region, Konkan & Goa and Kerala & Mahe and **heavy rainfall** at isolated places over Uttarakhand, East Uttar Pradesh, West Rajasthan, East Rajasthan, Madhya Pradesh, Chhattisgarh, Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Meghalaya & Tripura, Saurashtra & Kutch, Coastal Karnataka and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied & lightning with gusty winds 30-40 kmph** at isolated places very likely over Andaman & Nicobar Islands and **thunderstorm accompanied with lightning** at isolated places over Punjab, Rajasthan, Madhya Pradesh, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Meghalaya & Tripura, Coastal Andhra Pradesh & Yanam, Telangana, Coastal Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over along and off Kerala, Karnataka, Goa, south Maharashtra coasts, Lakshadweep area, Andaman Sea. **Strong winds** of 50-60 kmph gusting to 70 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea, 45-55 kmph gusting to 60 kmph likely over central parts of Arabian Sea, Comorin area, Gulf of Mannar, south west Bay of Bengal off south Sri Lanka coast. Fishermen are advised not to venture into these seas.

**03 July (Day 2):♦ Heavy rainfall** at isolated places very likely over Uttarakhand, East Uttar Pradesh, East Madhya Pradesh, Chhattisgarh, Odisha, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Meghalaya & Tripura, Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Coastal Karnataka and Kerala & Mahe.

♦ **Thunderstorm accompanied & lightning with gusty winds 30-40 kmph** at isolated places very likely over Andaman & Nicobar Islands and **thunderstorm accompanied with lightning** at isolated places over Chhattisgarh, Bihar, Jharkhand, Gangetic West Bengal, Coastal Andhra Pradesh & Yanam, Coastal Karnataka and Kerala & Mahe.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over along and off Kerala, Karnataka, Goa, south Maharashtra coasts, Lakshadweep area, south east Arabian Sea and adjoining east central Arabian Sea, Andaman Sea. **Strong winds** of 50-60 kmph gusting to 70 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea, 45-55 kmph gusting to 60 kmph likely over central parts of Arabian Sea, Comorin area, Gulf of Mannar, south west Bay of Bengal off south Sri Lanka coast. Fishermen are advised not to venture into these seas.

**04 July (Day 3): ♦ Heavy to very heavy rainfall** at isolated places very likely over Sub-Himalayan West Bengal & Sikkim and Odisha and Konkan & Goa and **heavy rainfall** at isolated places over Uttarakhand, East Uttar Pradesh, East Rajasthan, East Madhya Pradesh, Chhattisgarh, Jharkhand, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Meghalaya & Tripura, Gujarat Region, Saurashtra & Kutch, Coastal Andhra Pradesh & Yanam, Coastal Karnataka, South Interior Karnataka and Kerala & Mahe.

♦ **Thunderstorm accompanied & lightning with gusty winds 30-40 kmph** at isolated places very likely over Andaman & Nicobar Islands and **thunderstorm accompanied with lightning** at isolated places over East Uttar Pradesh, Chhattisgarh, Bihar, Coastal Andhra Pradesh & Yanam, Coastal Karnataka and Kerala & Mahe.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over along and off Kerala, Karnataka, Goa, south Maharashtra coasts, Andaman Sea. **Strong winds** of 50-60 kmph gusting to 70 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea, 45-55 kmph gusting to 60 kmph likely over central parts of Arabian Sea. Fishermen are advised not to venture into these seas.

**05 July (Day 4): ♦ Heavy to very heavy rainfall** at isolated places likely over Uttarakhand, Gujarat Region, Marathwada, Konkan & Goa and Coastal Karnataka and **heavy rainfall** at isolated places over Himachal Pradesh, West Uttar Pradesh, East Uttar Pradesh, Madhya Pradesh, Chhattisgarh, Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Meghalaya & Tripura, Saurashtra & Kutch, Coastal Andhra Pradesh & Yanam, South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Thunderstorm accompanied & lightning with gusty winds 30-40 kmph** at isolated places very likely over Andaman & Nicobar Islands and **thunderstorm accompanied with lightning** at isolated places over East Uttar Pradesh, Chhattisgarh, Bihar, Coastal Andhra Pradesh & Yanam, Coastal Karnataka and Kerala & Mahe.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over along and off Kerala, Karnataka, Goa, Maharashtra, Gujarat coasts, south east Arabian Sea and adjoining east central Arabian Sea, Andaman Sea. **Strong winds** of 50-60 kmph gusting to 70 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea, 45-55 kmph gusting to 60 kmph likely over central parts of Arabian Sea. Fishermen are advised not to venture into these seas.

**06 July (Day 5): ♦ Heavy to very heavy rainfall** at isolated places likely over Himachal Pradesh, Uttarakhand, Gujarat Region, Konkan & Goa, Kerala & Mahe and Coastal Karnataka and **heavy rainfall** at isolated places over Uttar Pradesh, Madhya Pradesh, Chhattisgarh, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, South Interior Karnataka, Punjab and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied & lightning with gusty winds 30-40 kmph** at isolated places very likely over Andaman & Nicobar Islands and **thunderstorm accompanied with lightning** at isolated places over East Rajasthan, East Uttar Pradesh, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Telangana, Coastal Karnataka, Kerala & Mahe, Tamilnadu, Puducherry & Karaikal, Arunachal Pradesh.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over along and off Kerala, Karnataka, Goa, Maharashtra, Gujarat coasts, south east Arabian Sea and adjoining east central Arabian Sea, Andaman Sea. **Strong winds** of 50-60 kmph gusting to 70 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea, 45-55 kmph gusting to 60 kmph likely over central parts of Arabian Sea. 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.**

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(Copies of the Notification 1977)



**Table-1**  
**5 Day Rainfall Forecast (MORNING)**  
**02-July-2022**

Met-Sub-Division	02-Jul Today	03Jul Sun	04Jul Mon	05Jul Tue	06Jul Wed
1. Andaman & Nicobar Islands	WS	WS	WS	WS	WS
2. Arunachal Pradesh	FWS	FWS	WS	WS	FWS
3. Assam & Meghalaya	FWS	FWS	WS	WS	FWS
4. N. M. M. & T.	WS	WS	WS	WS	FWS
5. S.H. West Bengal & Sikkim	WS	WS	WS	WS	FWS
6. Gangetic West Bengal	WS	FWS	FWS	FWS	ISOL
7. Odisha	FWS	FWS	FWS	FWS	FWS
8. Jharkhand	WS	WS	FWS	FWS	ISOL
9. Bihar	FWS	FWS	SCT	FWS	ISOL
10. East Uttar Pradesh	ISOL	SCT	SCT	FWS	FWS
11. West Uttar Pradesh	ISOL	ISOL	ISOL	FWS	FWS
12. Uttarakhand	FWS	FWS	FWS	WS	WS
13. Haryana, Chd & Delhi	SCT	SCT	ISOL	SCT	SCT
14. Punjab	SCT	SCT	ISOL	SCT	SCT
15. Himachal Pradesh	FWS	FWS	FWS	FWS	FWS
16. J & K and Ladakh	SCT	SCT	SCT	FWS	FWS
17. West Rajsthan	FWS	ISOL	ISOL	ISOL	ISOL
18. East Rajasthan	FWS	SCT	SCT	SCT	SCT
19. West Madhya Pradesh	SCT	SCT	FWS	FWS	FWS
20. East Madhya Pradesh	SCT	FWS	WS	WS	FWS
21. Gujarat Region	FWS	FWS	FWS	WS	WS
22. Saurashtra & Kutch	FWS	FWS	FWS	FWS	FWS
23. Konkan & Goa	WS	WS	WS	WS	WS
24. Madhya Maharashtra	SCT	SCT	FWS	FWS	FWS
25. Marathawada	ISOL	ISOL	SCT	SCT	SCT
26. Vidharbha	SCT	SCT	FWS	FWS	FWS
27. Chhattisgarh	FWS	WS	WS	WS	WS
28. Coastal A. P. & Yanam	SCT	SCT	FWS	FWS	FWS
29. Telangana	FWS	SCT	SCT	SCT	SCT
30. Rayalaseema	SCT	ISOL	ISOL	SCT	SCT
31. T.N.,Puducherry & Karaikal	SCT	ISOL	ISOL	SCT	SCT
32. Coastal Karnataka	WS	WS	WS	WS	WS
33. North Interior Karnataka	SCT	SCT	SCT	FWS	FWS
34. South Interior Karnataka	SCT	SCT	FWS	FWS	FWS
35. Kerala & Mahe	WS	WS	WS	WS	WS
36. Lakshadweep	WS	WS	WS	WS	WS

**% Station Reporting Rainfall**

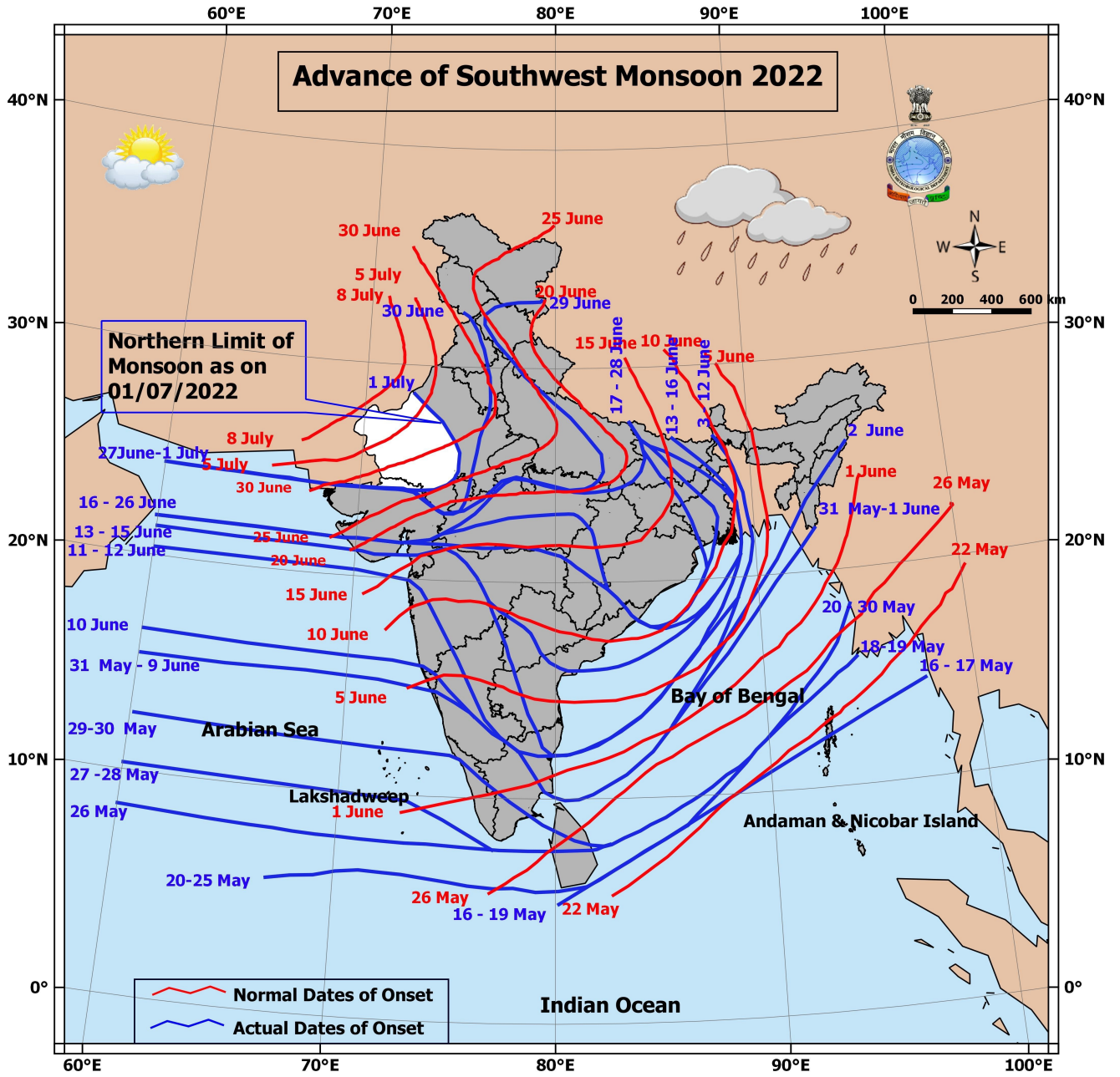
% Stations	Category	% Stations	Category
76-100	Widespread (WS/Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)
No Rain	Dry		

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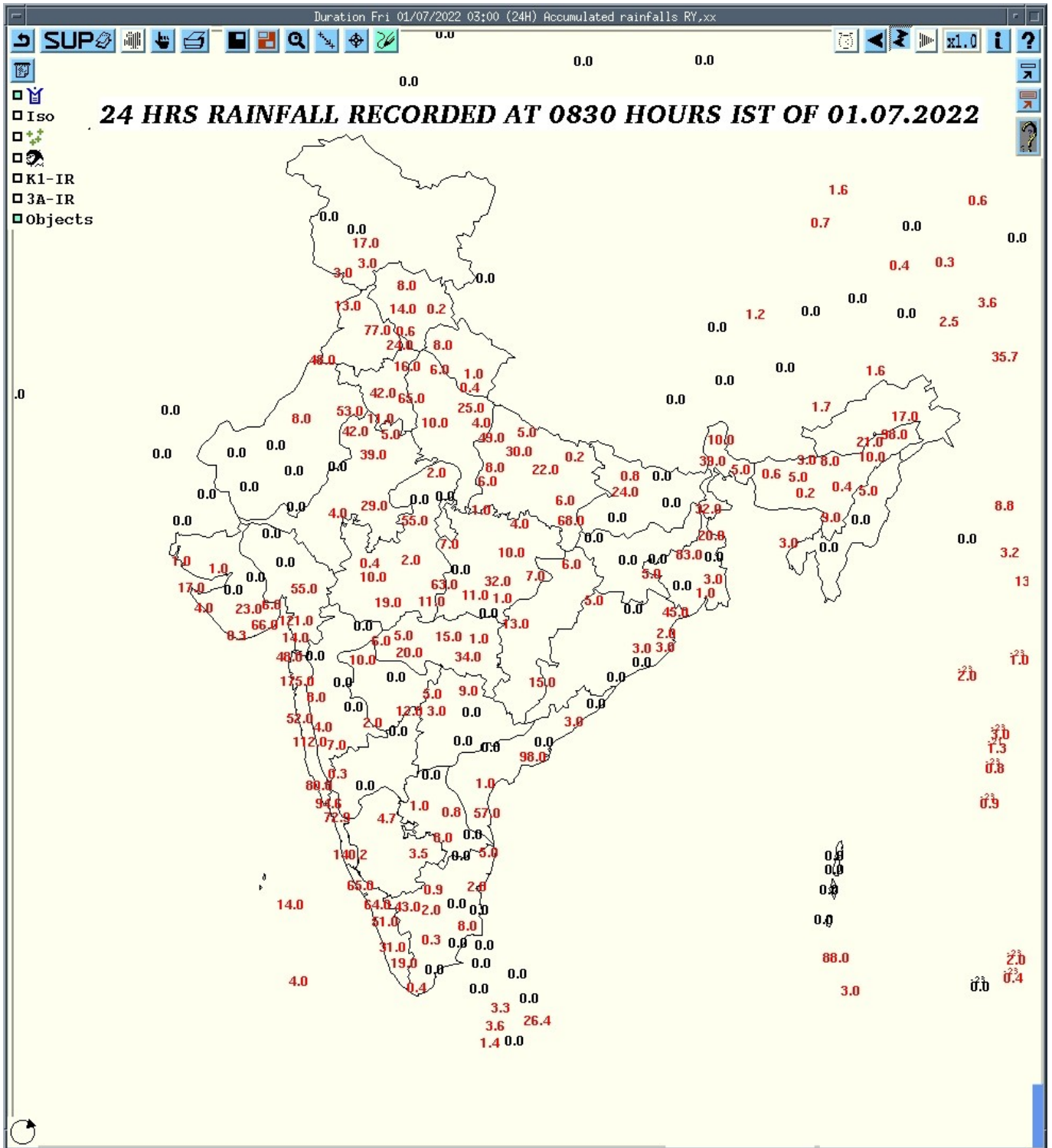
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(As per the Met Act 1975)



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



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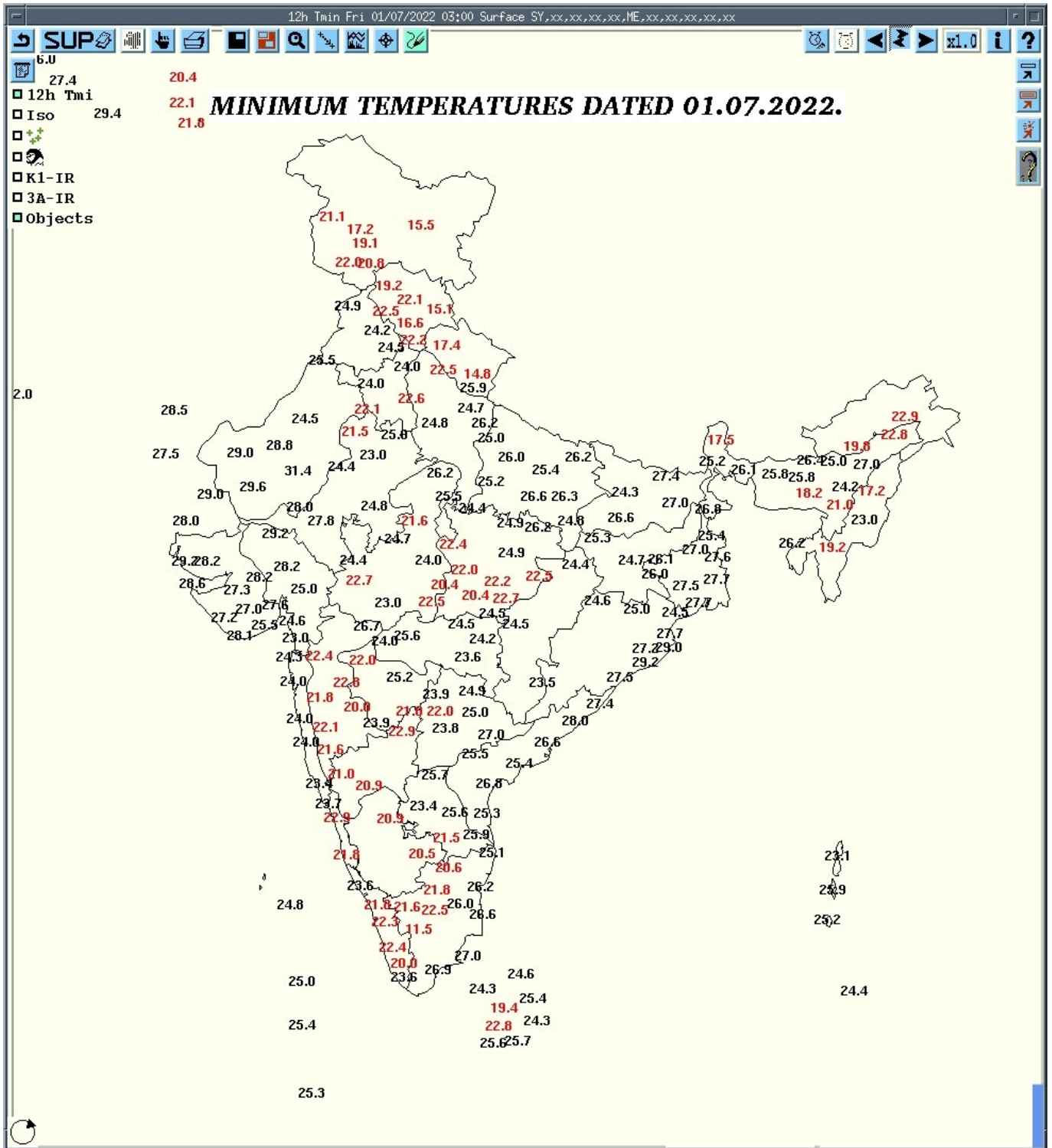
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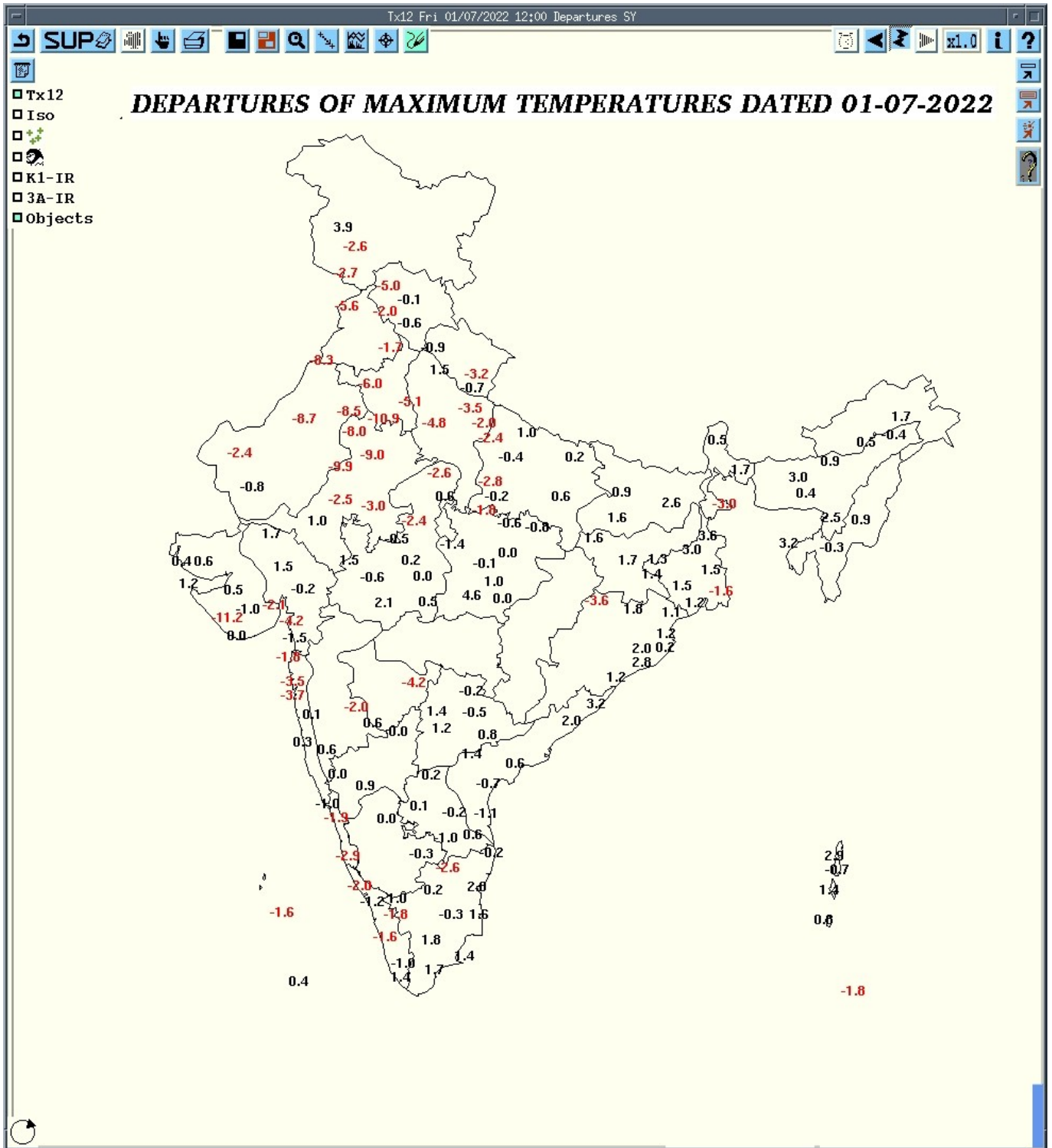
Fig. 3: Minimum Temperature during past 24 hours



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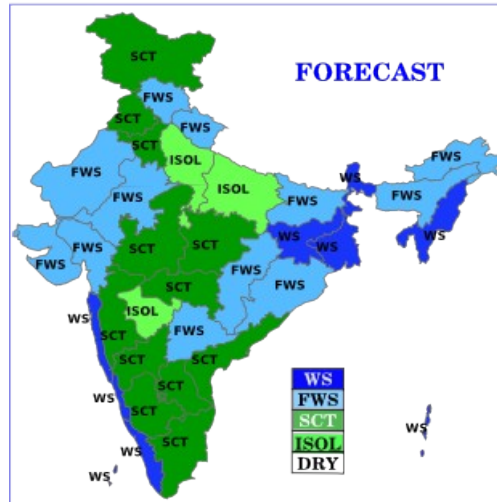
Fig. 4 : Departure from Normal of Maximum Temperatures



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## Saturday 02 July 2022



**02 July (Day 1): ♦ Heavy to very heavy rainfall** at isolated places very likely over Gujarat Region, Konkan & Goa and Kerala & Mahe and **heavy rainfall** at isolated places over Uttrakhand, East Uttar Pradesh, West Rajasthan, East Rajasthan, Madhya Pradesh, Chhattisgarh, Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Meghalaya & Tripura, Saurashtra & Kutch, Coastal Karnataka and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied & lightning with gusty winds 30-40 kmph** at isolated places very likely over Andaman & Nicobar Islands and **thunderstorm accompanied with lightning** at isolated places over Punjab, Rajasthan, Madhya Pradesh, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Meghalaya & Tripura, Coastal Andhra Pradesh & Yanam, Telangana, Coastal Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over along and off Kerala, Karnataka, Goa, south Maharashtra coasts, Lakshadweep area, Andaman Sea. **Strong winds** of 50-60 kmph gusting to 70 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea, 45-55 kmph gusting to 60 kmph likely over central parts of Arabian Sea, Comorin area, Gulf of Mannar, south west Bay of Bengal off south Sri Lanka coast. Fishermen are advised not to venture into these seas.

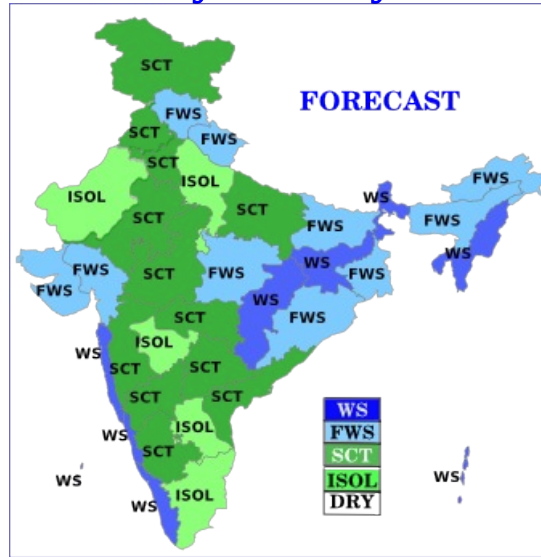
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## Sunday 03 July 2022



**03 July (Day 2):** ♦ **Heavy rainfall** at isolated places very likely over Uttarakhand, East Uttar Pradesh, East Madhya Pradesh, Chhattisgarh, Odisha, Andaman & Nicobar Islands, Assam & Meghalaya, Nagaland, Manipur, Meghalaya & Tripura, Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Coastal Karnataka and Kerala & Mahe.

♦ **Thunderstorm accompanied & lightning with gusty winds 30-40 kmph** at isolated places very likely over Andaman & Nicobar Islands and **thunderstorm accompanied with lightning** at isolated places over Chhattisgarh, Bihar, Jharkhand, Gangetic West Bengal, Coastal Andhra Pradesh & Yanam, Coastal Karnataka and Kerala & Mahe.

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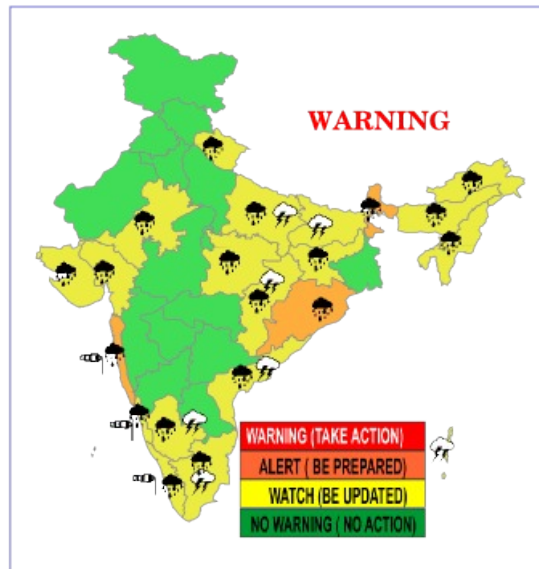
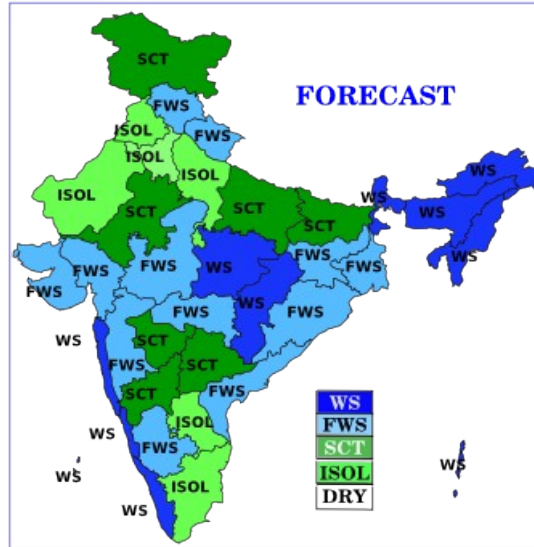
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## Monday 04 July 2022



**04 July (Day 3):** ♦ **Heavy to very heavy rainfall** at isolated places very likely over Sub-Himalayan West Bengal & Sikkim and Odisha and Konkan & Goa and **heavy rainfall** at isolated places over Uttarakhand, East Uttar Pradesh, East Rajasthan, East Madhya Pradesh, Chhattisgarh, Jharkhand, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Meghalaya & Tripura, Gujarat Region, Saurashtra & Kutch, Coastal Andhra Pradesh & Yanam, Coastal Karnataka, South Interior Karnataka and Kerala & Mahe.

♦ **Thunderstorm accompanied & lightning with gusty winds 30-40 kmph** at isolated places very likely over Andaman & Nicobar Islands and **thunderstorm accompanied with lightning** at isolated places over East Uttar Pradesh, Chhattisgarh, Bihar, Coastal Andhra Pradesh & Yanam, Coastal Karnataka and Kerala & Mahe.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over along and off Kerala, Karnataka, Goa, south Maharashtra coasts, Andaman Sea. **Strong winds** of 50-60 kmph gusting to 70 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea, 45-55 kmph gusting to 60 kmph likely over central parts of Arabian Sea. Fishermen are advised not to venture into these seas.

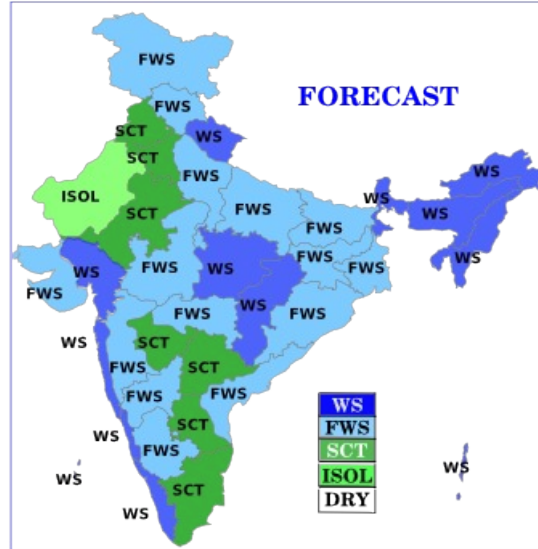
\* **Red color warning does not mean "Red Alert" Red color warning means "Take Action".**

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(Copies to the Media class 1870)

## Tuesday 05 July 2022



**05 July (Day 4):** ♦ **Heavy to very heavy rainfall** at isolated places likely over Uttarakhand, Gujarat Region, Marathwada, Konkan & Goa and Coastal Karnataka and **heavy rainfall** at isolated places over Himachal Pradesh, West Uttar Pradesh, East Uttar Pradesh, Madhya Pradesh, Chhattisgarh, Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Meghalaya & Tripura, Saurashtra & Kutch, Coastal Andhra Pradesh & Yanam, South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Thunderstorm accompanied & lightning with gusty winds 30-40 kmph** at isolated places very likely over Andaman & Nicobar Islands and **thunderstorm accompanied with lightning** at isolated places over East Uttar Pradesh, Chhattisgarh, Bihar, Coastal Andhra Pradesh & Yanam, Coastal Karnataka and Kerala & Mahe.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over along and off Kerala, Karnataka, Goa, Maharashtra, Gujarat coasts, south east Arabian Sea and adjoining east central Arabian Sea, Andaman Sea. **Strong winds** of 50-60 kmph gusting to 70 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea, 45-55 kmph gusting to 60 kmph likely over central parts of Arabian Sea. Fishermen are advised not to venture into these seas.

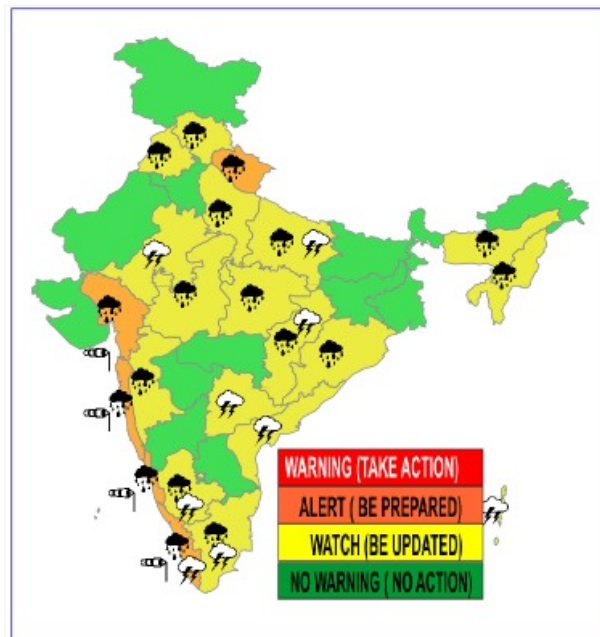
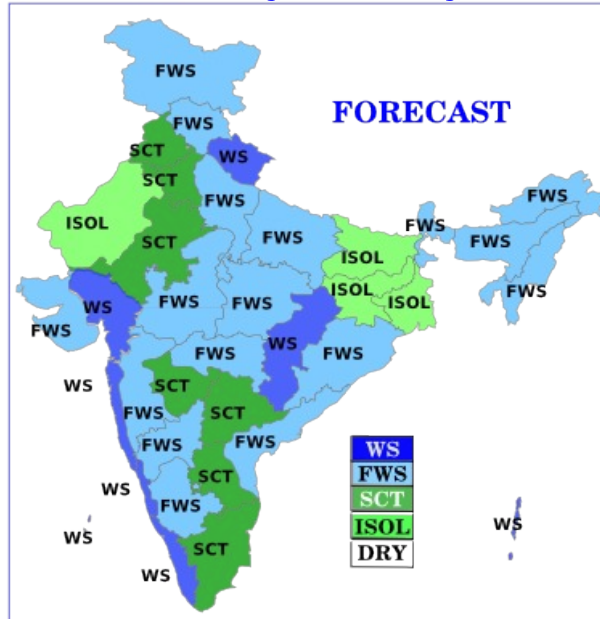
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(Created by the MetInfo team 1977)

## Wednesday 06 July 2022



**06 July (Day 5):** ♦ **Heavy to very heavy rainfall** at isolated places likely over Himachal Pradesh, Uttarakhand, Gujarat Region, Konkan & Goa, Kerala & Mahe and Coastal Karnataka and **heavy rainfall** at isolated places over Uttar Pradesh, Madhya Pradesh, Chhattisgarh, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, South Interior Karnataka, Punjab and Tamil Nadu, Puducherry & Karaikal.

♦ **Thunderstorm accompanied & lightning with gusty winds 30-40 kmph** at isolated places very likely over Andaman & Nicobar Islands and **thunderstorm accompanied with lightning** at isolated places over East Rajasthan, East Uttar Pradesh, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Telangana, Coastal Karnataka, Kerala & Mahe, Tamilnadu, Puducherry & Karaikal, Arunachal Pradesh.

♦ **Squally weather** (wind speed 40-50 kmph gusting to 60 kmph) very likely over along and off Kerala, Karnataka, Goa, Maharashtra, Gujarat coasts, south east Arabian Sea and adjoining east central Arabian Sea, Andaman Sea. **Strong winds** of 50-60 kmph gusting to 70 kmph likely over south west Arabian Sea and adjoining west central Arabian Sea, 45-55 kmph gusting to 60 kmph likely over central parts of Arabian Sea. Fishermen are advised not to venture into these seas.

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(Created by the National Press 1872)

## 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 एंवम् 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

<b>WARNING (TAKE ACTION)</b>
<b>ALERT ( BE PREPARED)</b>
<b>WATCH (BE UPDATED)</b>
<b>NO WARNING ( NO ACTION)</b>

## Probabilistic Forecast

Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75



Heavy Rain



Heavy Snow



Thunderstorm



Dust Storm



Strong Winds



Visibility



Cyclone



Squall/ Hail



Frost



Cold Wave



Heat Wave



Sea State

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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  $4.5^{\circ}\text{C}$  to  $6.4^{\circ}\text{C}$ .

Severe Heat Wave: Maximum Temperature Departure from normal  $\geq 6.5^{\circ}\text{C}$

(b). Based on Actual maximum temperature

Heat Wave: When actual maximum temperature  $\geq 45^{\circ}\text{C}$ .

Severe Heat Wave: When actual maximum temperature  $\geq 47^{\circ}\text{C}$

(c) Criteria for heat wave for coastal stations

When maximum temperature departure is  $> 4.5^{\circ}\text{C}$  from normal. Heat Wave may be described provided maximum temperature  $\geq 37^{\circ}\text{C}$



Warm Night

When maximum temperature remains  $40^{\circ}\text{C}$

Warm Night: When minimum temperature departure  $4.5^{\circ}\text{C}$  to  $6.4^{\circ}\text{C}$ .

Severe Warm Night: When minimum temperature departure  $> 6.4^{\circ}\text{C}$ .



Cold Wave

When minimum temperature of a station  $\leq 10^{\circ}\text{C}$  for plains and  $\leq 0^{\circ}\text{C}$  for hilly regions.

(a). Based on departure

Cold Wave: Minimum Temperature Departure from normal  $-4.5^{\circ}\text{C}$  to  $-6.4^{\circ}\text{C}$ .

Severe Cold Wave: Minimum Temperature Departure from normal  $\geq -6.5^{\circ}\text{C}$

(b) Based on actual Minimum Temperature (for Plains only)

Cold Wave : When Minimum Temperature is  $\leq 4.0^{\circ}\text{C}$

Severe Cold Wave: When Minimum Temperature is  $\leq 2.0^{\circ}\text{C}$

(c) For Coastal Stations

When Minimum Temperature departure is  $\leq -4.5^{\circ}\text{C}$  or actual Minimum Temperature is  $\leq 15^{\circ}\text{C}$



Cold Day

When minimum temperature of a station  $\leq 10^{\circ}\text{C}$  for plains and  $\leq 0^{\circ}\text{C}$  for hilly regions

Based on departure

Cold Day: Maximum Temperature Departure from normal  $-4.5^{\circ}\text{C}$  to  $-6.4^{\circ}\text{C}$ .

Severe Cold Day: Maximum Temperature Departure from normal  $\leq -6.5^{\circ}\text{C}$



Fog

Phenomenon of small droplets suspended in air and the horizontal visibility  $< 1\text{km}$

Moderate Fog: When the visibility between 500-200 metres

Dense Fog: when the visibility between 50- 200 metres

Very Dense Fog: when the visibility  $< 50$  metres



Thunderstorm

Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)



Dust/Sand Storm

An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.



Frost

Ice deposits on ground

Air temperature  $\leq 4^{\circ}\text{C}$  ( over Plains)



Squall

A strong wind that rises suddenly, lasts for atleast 1 minute.

Moderate: Wind speed 52-61 kmph

Severe: Wind speed 62-87 kmph

Very Severe: Wind speed  $> 87$  kmph



Sea State

Effect of various waves in the sea over specific area

Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre

High to very high: Wind speed 63-117 kmph ( 34-63 knots) & Wave height 6-14 metre

Phenomenal: Wind speed  $> 117$  kmph ( $> 63$  knots) & Wave height  $> 14$  metre



Cyclone

Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots)

Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots)

Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots)

Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)

Super Cyclone Storm: Wind speed  $> 220$  kmph ( $> 119$  knots)

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