



Wednesday 21 December 2022

**MORNING**

Time of Issue: 0800 hours IST

**ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN**

**Significant Weather Features**

- ◆ Due to moisture and light winds at lower tropospheric levels over Indo-Gangetic plains, **Dense to very dense fog** in many/some pockets very likely over Punjab, Haryana, Chandigarh & Delhi and Uttar Pradesh in night/morning hours during next 2 days and dense fog in isolated pockets for subsequent 3 days; **Dense fog** in isolated pockets also very likely over Himachal Pradesh during next 5 days; over northwest Rajasthan, Bihar and Sub-Himalayan West Bengal & Sikkim during next 2 days.
- ◆ Due to dry north/northwesterly winds from Himalayas over plains of northwest India, **Cold Wave Conditions** likely to continue in isolated pockets over Himachal Pradesh, Punjab, Haryana and north Rajasthan during next 5 days with isolated **Severe Cold Wave Conditions** over Punjab during 22nd-25th December.
- ◆ A **Well Marked Low Pressure Area** lies over Southwest Bay of Bengal & adjoining East Equatorial Indian Ocean. It is likely to move west-northwestwards slowly towards Sri-Lanka coast during next 24 hours.

**Main Weather Observations**

- ◆ **Rainfall/thundershower observed** (from 0830 hours IST to 1730 hours IST of yesterday): at isolated places over Tamil Nadu and Andaman & Nicobar Islands.
- ◆ **Chief rainfall amount recorded** (from 0830 hours IST to 1730 hours IST of yesterday)(in cm): Nancowry-1.
- ◆ **Thunderstorm observed** (from 0830 hours IST to 1730 hours IST of yesterday): NIL.
- ◆ Yesterday, **Cold Wave Conditions** observed in isolated pockets over Punjab and Himachal Pradesh.
- ◆ **Minimum Temperature Departures** (as on 20-12-2022): Minimum temperatures were **appreciably above normal (3.1°C to 5.0°C)** at many places over Nagaland, Manipur, Mizoram & Tripura; at a few places over Assam & Meghalaya; at isolated places over West Madhya Pradesh, Bihar and Sub Himalayan West Bengal; **above normal (1.6°C to 3.0°C)** at most places over Gujarat state; at a few places over Tamilnadu, Puducherry & Karaikal; at isolated places over Konkan & Goa, East Madhya Pradesh, Madhya Maharashtra, Kerala & Mahe. They were **appreciably below normal (-3.1°C to -5.0°C)** at a few places over North Interior Karnataka; **below normal (-1.6°C to -3.0°C)** at many places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad; a few places over Haryana, Chandigarh & Delhi and Odisha; at isolated places over Rayalaseema and **near normal** over rest parts of the country. Yesterday, the **lowest minimum temperature** of 4.1°C was reported at **Churu (West Rajasthan)** over plains of the country.
- ◆ **Maximum Temperature Departures** (as on 20-12-2022): Maximum temperatures were **appreciably above normal (3.1°C to 5.1°C)** at a few places over West Rajasthan and Saurashtra & Kutch; at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, East Madhya Pradesh, Assam & Meghalaya, Telangana and Tamil Nadu, Puducherry & Karaikal; **above normal (1.6°C to 3.0°C)** at most places over Marathwada; at many places over East Rajasthan, Gujarat Region and Madhya Maharashtra; at a few places over Himachal Pradesh, Chhattisgarh, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Rayalaseema and Kerala & Mahe; at isolated places over Odisha, West Madhya Pradesh and Vidarbha. They were **markedly below normal (-5.1°C or less)** at isolated places over Haryana; **appreciably below normal (-3.1°C to -5.0°C)** at a few places over Uttar Pradesh; **below normal (-1.6°C to -3.0°C)** at a few places over Andaman & Nicobar Islands and **near normal** over rest parts of the country. Yesterday, the highest **maximum temperature** of 35.5°C was reported at **Bulsar (Gujarat Region)** over the country.

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

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

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### Meteorological Analysis (Based on 0530 hours IST)

- ◆ The **Low Pressure Area** over central parts of South Bay of Bengal & adjoining East Equatorial Indian Ocean now lies as a **Well Marked Low Pressure area** over Southwest Bay of Bengal & adjoining East Equatorial Indian Ocean with the associated cyclonic circulation extending upto mid-tropospheric levels. It is likely to move west-northwestwards slowly towards Sri-Lanka coast during next 24 hours.
- ◆ The Western Disturbance as a trough in mid & upper tropospheric westerlies with its axis at 5.8 km above mean sea level now runs roughly along longitude 70°E to the north of latitude 32°N.
- ◆ The trough in westerlies at 3.1 km above mean sea level roughly along longitude 88°E to the north of latitude 25°N persists.

### Weather Forecast for next 5 days \* upto 0830 hours IST of 26th December, 2022

- ◆ Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- ◆ No significant change in minimum temperatures likely over northwest India during next 24 hours and fall by 2°C thereafter.
- ◆ No significant change in minimum temperatures likely over East India during next 24 hours and rise by 2-3°C thereafter.
- ◆ Shallow to moderate fog likely at isolated pockets over parts of Assam, Meghalaya, Nagaland, Manipur, Mizoram & Tripura during next 5 days.

### Weather Outlook for subsequent 2 days during 26th-28th December, 2022

- ◆ Scattered to fairly Widespread light/moderate rainfall with isolated heavy falls over Tamil Nadu & Kerala and isolated to scattered light/moderate rainfall over south Coastal Andhra Pradesh, south Rayalaseema, South Interior Karnataka and Islands.
- ◆ Isolated to scattered light rainfall/snowfall likely over Western Himalayan region and Arunachal Pradesh.
- ◆ Dry weather likely over rest parts of the country.

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## Weather Warning during next 5 days \*

**21 Dec (Day 1):** ♦ **Cold wave to severe cold wave conditions** in isolated pockets very likely over Punjab and **cold wave conditions** in isolated pockets over Himachal Pradesh and north Rajasthan.

♦ **Dense to very dense fog** in many pockets very likely over Punjab and Haryana, Chandigarh & Delhi; in isolated pockets over Uttar Pradesh and **dense fog** in isolated pockets over northwest Rajasthan, Himachal Pradesh, Bihar and Sub-Himalayan West Bengal & Sikkim.

♦ **Thunderstorm accompanied with lightning** in isolated pockets very likely over south coastal Tamilnadu, Puducherry & Karaikal.

♦ **Squally wind** with speed reaching 35-45 kmph gusting to 55 kmph likely over Southwest Bay of Bengal, along and off south Tamil Nadu-Sri Lanka coasts and Gulf of Mannar & Comorin area. Fishermen are advised not to venture into these areas.

**22 Dec (Day 2):** ♦ **Cold wave to severe cold wave conditions** in isolated pockets very likely over Punjab and **cold wave conditions** in isolated pockets over Himachal Pradesh, Haryana and north Rajasthan.

♦ **Dense to very dense fog** in many pockets very likely over Punjab and Haryana, Chandigarh & Delhi and **dense fog** in isolated pockets over Himachal Pradesh and Uttar Pradesh.

♦ **Squally wind** with speed reaching 35-45 kmph gusting to 55 kmph likely over Southwest Bay of Bengal, along and off south Tamil Nadu-Sri Lanka coasts and Gulf of Mannar & Comorin area. Fishermen are advised not to venture into these areas.

**23 Dec (Day 3):** ♦ **Thunderstorm accompanied with lightning** in isolated pockets likely over south coastal Tamilnadu, Puducherry & Karaikal.

♦ **Cold wave to severe cold wave conditions** in isolated pockets likely over Punjab and **cold wave conditions** in isolated pockets over Himachal Pradesh, Haryana and north Rajasthan.

♦ **Dense fog** in isolated pockets likely over Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi and Uttar Pradesh.

♦ **Squally wind** with speed reaching 35-45 kmph gusting to 55 kmph likely along and off south Tamil Nadu coast and Gulf of Mannar & Comorin area. Fishermen are advised not to venture into these areas.

**24 Dec (Day 4):** ♦ **Thunderstorm accompanied with lightning** in isolated pockets likely over south coastal Tamilnadu, Puducherry & Karaikal.

♦ **Cold wave to severe cold wave conditions** in isolated pockets likely over Punjab and **cold wave conditions** in isolated pockets over Himachal Pradesh, Haryana and north Rajasthan.

♦ **Dense fog** in isolated pockets likely over Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi and Uttar Pradesh.

**25 Dec (Day 5):** ♦ **Thunderstorm accompanied with lightning** in isolated pockets likely over south coastal Tamilnadu.

♦ **Cold wave to severe cold wave conditions** in isolated pockets likely over Punjab and **cold wave conditions** in isolated pockets over Himachal Pradesh, Haryana and north Rajasthan.

♦ **Dense fog** in isolated pockets likely over Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi and Uttar Pradesh.

**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)**  
**21-December-2022**

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

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