

Thursday 02 February 2023

MID-DAY

Time of Issue: 1300 hours IST

## ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

### Significant Weather Features

- ◆ Yesterday's **Depression** over Southwest Bay of Bengal now lies over south Sri Lanka and lay centered at 0830 hours IST of today, the 02nd February, near latitude 7.2°N and longitude 81.1°E, about 90 km southwest of Batticaloa (Sri Lanka), 120 km north of Hambantota (Sri Lanka). It is very likely to continue to move southwestwards across south Sri Lanka and emerge into Comorin and adjoining Gulf of Mannar off west coast of Sri Lanka by early morning of tomorrow, the 03rd February 2023. Under its influence:
  - ⇒ **Rainfall warning:** Light/moderate rainfall is very likely at many places over Tamil Nadu & Puducherry and Kerala with isolated **heavy to very heavy rainfall** over south Tamil Nadu and isolated **heavy rainfall** over Kerala on 02nd February.
  - ⇒ **Fishermen Warning:** Fishermen are advised not to venture into Gulf of Mannar, Comorin Area and adjoining Southwest Bay of Bengal and along & off Sri Lanka and south Tamil Nadu & Karaikal coasts on 02nd February; Comorin Area and adjoining Southwest Bay of Bengal and along & off Sri Lanka coast upto 03rd February.
- ◆ The Western Disturbance as a trough in lower & middle tropospheric westerlies with its axis at 3.1 km above mean sea level now runs roughly along Long. 60°E to the north of Lat. 32°N. Under its influence; light isolated to scattered rainfall/snowfall very likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad and Himachal Pradesh on 02nd & 03rd February.
  - ⇒ **Strong Surface Winds 20-30 kmph** very likely to prevail over plains of northwest India during next 24 hours.
- ◆ **Cold wave conditions** very likely in isolated pockets over Madhya Pradesh and Odisha during next 2 days.
- ◆ **Dense fog** very likely in isolated pockets during night/morning hours over Assam & Meghalaya and Tripura on 03rd February.

### Main Weather Observations

- ◆ **Rainfall/snowfall observed** (from 0830 hours IST of yesterday-0830 hours IST of today): at isolated places over Tamil Nadu, Puducherry & Karaikal, Arunachal Pradesh and Andaman & Nicobar Islands.
- ◆ **Significant amount of rainfall recorded** (from 0830 hours IST of yesterday-0830 hours IST of today)(in cm): **Nagapattinam:** Vedaranyam-7, Kodaikanal, Tirupondi-6 each, Nagapattinam, Thalaignayer-4 each, Velankanni-4, Thirukuvalai-2, **Mayiladuthurai:** Kollidam-3, Tarangambadi, Sirkali-2 each, **Karaikal:** Karaikal-3, **Ramanathapuram:** Pamban, Rameswaram, Tondi-2 each.
- ◆ **Heavy rainfall recorded** (from 0830 hours IST of yesterday-0830 hours IST of today): at isolated places over Tamil Nadu.
- ◆ **Fog observed** (at 0830 hours IST of today): **Very Dense fog** observed at isolated places over East Uttar Pradesh and shallow to moderate fog over Uttarakhand, Punjab, Sub-Himalayan West Bengal & Sikkim and Assam & Meghalaya.
- ◆ **Visibility recorded** (at 0830 hours IST of today): **East Uttar Pradesh:** Bahraich-25, Fursatganj-500; **Punjab:** Amritsar-500; **Uttarakhand:** Pantnagar-200; **Sub-Himalayan West Bengal:** Cooch Behar, Jalpaiguri-200 each, Bagdogra-500; **Assam & Meghalaya:** Tejpur, Majbat-200 each, Pet Jorhat, Silchar-500 each.
- ◆ **Minimum Temperature Departures (as on 02-02-2023):** Minimum temperatures are **appreciably above normal (3.1°C to 5.0°C)** at a few places over Madhya Maharashtra, Nagaland, Manipur, Mizoram & Tripura; at isolated places over Assam & Meghalaya, Saurashtra & Kutch, Konkan & Goa, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal; **above normal (1.6°C to 3.0°C)** at many places over Uttarakhand, Coastal Karnataka; at a few places over Himachal Pradesh, Coastal Andhra Pradesh & Yanam, Andaman & Nicobar Islands; at isolated places over Telangana, Bihar They are **appreciably below normal (-3.1°C to -5.0°C)** at many places over East Madhya Pradesh; at a few places over West Madhya Pradesh; at isolated places over East Rajasthan; **below normal (-1.6°C to -3.0°C)** at many places over West Rajasthan; at a few places over Vidarbha; at isolated places over Odisha, Gangetic West Bengal and **near normal** over rest parts of the country. Today, the **lowest minimum temperature** of 3.0°C reported at **Churu (West Rajasthan)** over plains of the country.
- ◆ **Maximum Temperature Departures (as on 01-02-2023):** Maximum temperatures were **appreciably above normal (3.1°C to 5.0°C)** at many places over Himachal Pradesh, Uttarakhand, Jharkhand, Konkan & Goa, Coastal Karnataka; at a few places over Assam & Meghalaya, Odisha; at isolated places over West Bengal & Sikkim, Kerala & Mahe, Coastal Andhra Pradesh & Yanam; **above normal (1.6°C to 3.0°C)** at isolated places over Bihar, Chhattisgarh. They were **appreciably below normal (-3.1°C to -5.0°C)** at a few places over West Madhya Pradesh, East Rajasthan, Haryana; at isolated places over Uttar Pradesh; **below normal (-1.6°C to -3.0°C)** at many places over Gujarat Region, Madhya Maharashtra, Marathwada; at a few places over Saurashtra & Kutch, Telangana, East Madhya Pradesh, Tamil Nadu, Puducherry & Karaikal; at isolated places over Vidarbha, Andaman & Nicobar Islands and **near normal** over rest parts of the country. Yesterday, the **highest maximum temperature** of 36.8°C was reported at **Cannur (Kerala)**.

\* 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 0830 hours IST)

- ◆ The **Depression** over Sri Lanka moved southwestwards with a speed of 15 kmph and lay centered at 0830 hours IST of today over south Sri Lanka near latitude 7.2°N and longitude 81.1°E, about 90 km southwest of Batticaloa (Sri Lanka), 120 km north of Hambantota (Sri Lanka). It is very likely to continue to move southwestwards across south Sri Lanka and emerge into Comorin and adjoining Gulf of Mannar off west coast of Sri Lanka by early morning of tomorrow, the 03rd February 2023.
- ◆ The **Western Disturbance** as a trough in lower & middle tropospheric westerlies with its axis at 3.1 km above mean sea level now runs roughly along Long. 60°E to the north of Lat. 32°N.
- ◆ The trough in westerlies now runs roughly along Long. 87°E to the north of Lat. 22°N with its axis at 5.8 km above mean sea level.

### Weather Forecast for next 5 days \* upto 0830 hours IST of 06th February, 2023

- ◆ Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- ◆ Rise in minimum temperatures by 2-3°C very likely over many parts of Northwest India till 04th February and no significant change thereafter.
- ◆ Fall in minimum temperatures by 2-3°C very likely over many parts of East India till 03rd February and no significant change thereafter.
- ◆ Gradual rise in minimum temperatures by 2-4°C very likely over Gujarat state during next 5 days.
- ◆ Shallow to moderate fog likely in isolated pockets over Northeast India and parts of East India during next 2 days.

### Weather Outlook for subsequent 2 days during 07th-09th February, 2023

- ◆ Light isolated to scattered rainfall/snowfall likely over Arunachal Pradesh and isolated rainfall over Andaman & Nicobar Islands.
- ◆ Dry weather likely over rest parts of the country.

### Weather Warning during next 5 days \*

**02 Feb (Day 1):** ♦ **Heavy to very heavy rainfall** very likely at isolated places over south Tamil Nadu and **heavy rainfall** at isolated places over Kerala.

♦ **Thunderstorm accompanied with lightning** very likely at isolated places over Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Cold wave conditions** very likely in isolated pockets over Odisha and Madhya Pradesh.

♦ **Dense fog** very likely in isolated pockets over Assam & Meghalaya and Tripura.

♦ **Squally wind** speed reaching 40-50 kmph gusting to 60 kmph over Southwest Bay of Bengal along & off Sri Lanka coast, Gulf of Mannar, Comorin area and along & off south Tamil Nadu & Karaikal coasts. **Strong wind speed reaching 30-40 kmph gusting to 50 kmph** along & off north Tamil Nadu & Puducherry coasts. Fishermen are advised not to venture into these areas.

**03 Feb (Day 2):** ♦ **Thunderstorm accompanied with lightning** very likely at isolated places over Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.

♦ **Cold wave conditions** very likely in isolated pockets over Odisha and Madhya Pradesh.

♦ **Squally weather** wind speed reaching 30-40 kmph gusting to 50 kmph likely over Gulf of Mannar, Comorin area along & off south Tamil Nadu & Karaikal coasts and west Sri Lanka coast. Fishermen are advised not to venture into these areas.

**04 Feb (Day 3):** ♦ **Thunderstorm accompanied with lightning** very likely at isolated places over Kerala & Mahe and Lakshadweep.

♦ **Squally weather** wind speed reaching 40-45 kmph gusting to 55 kmph very likely over Comorin & adjoining Maldives area. Fishermen are advised not to venture into these areas.

**05 Feb (Day 4): No weather warning.**

**06 Feb (Day 5): No weather warning.**

**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.**



**Table-1**  
**5 Day Rainfall Forecast (MID-DAY)**  
**02-February-2023**

Met-Sub-Division	02-Feb Today	03Feb Fri	04Feb Sat	05Feb Sun	06Feb Mon
1. Andaman & Nicobar Islands	ISOL	SCT	SCT	SCT	SCT
2. Arunachal Pradesh	ISOL	ISOL	ISOL	ISOL	SCT
3. Assam & Meghalaya	DRY	DRY	DRY	DRY	DRY
4. N. M. M. & T.	DRY	DRY	DRY	DRY	DRY
5. S.H. West Bengal & Sikkim	DRY	DRY	ISOL	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	ISOL	ISOL	DRY	DRY	DRY
16. J & K and Ladakh	SCT	SCT	ISOL	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. Marathwada	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	DRY	DRY	DRY	DRY
29. Telangana	DRY	DRY	DRY	DRY	DRY
30. Rayalaseema	DRY	DRY	DRY	DRY	DRY
31. T.N.,Puducherry & Karaikal	SCT	SCT	ISOL	DRY	DRY
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	SCT	SCT	SCT	DRY	DRY
36. Lakshadweep	SCT	SCT	SCT	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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