

Tuesday 28 March 2023

MID-DAY

Time of Issue: 1330 hours IST

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather Forecast and Warnings:

Northwest India: Scattered to fairly widespread rainfall/thunderstorm activity very likely over the region during 30th March-01st April, 2023. Isolated hailstorm activity likely over the region on 30th & 31st March, 2023.

Central India: Isolated rainfall along with thunderstorm/hailstorm likely over East Madhya Pradesh on 30th & 31st and over Chhattisgarh on 31st March, 2023.

East India: Scattered to fairly widespread rainfall/thunderstorm activity very likely over Bihar, Jharkhand, Odisha and West Bengal & Sikkim during 30th March-01st April. Isolated heavy rainfall also likely over West Bengal & Sikkim and Odisha on 31st March. Isolated hailstorm is likely over Bihar, Jharkhand, West Bengal & Sikkim on 31st March, 2023.

Northeast India: Scattered to fairly widespread light/moderate rainfall activity with thunderstorm & lightning/gusty winds likely to continue over Northeast India during 28th- 30th March, 2023. Isolated hailstorm likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland on 28th March. Another spell of enhanced rainfall activity likely over the region from 31st March. Isolated **heavy rainfall** also likely over Arunachal Pradesh and east Assam on 31st March & 01st April, 2023.

Main Weather Observations

♦ **Rainfall/thundershowers observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): **at many places** over Arunachal Pradesh; **at a few places** over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Coastal Andhra Pradesh & Yanam and **at isolated places** over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, East Madhya Pradesh, Chhattisgarh, Jharkhand, West Bengal & Sikkim, Odisha, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

♦ **Heavy Rainfall recorded** (from 0830 hours IST of yesterday to 0830 hours IST of today): Arunachal Pradesh.

♦ **Significant amount of rainfall recorded** (from 0830 hours IST of yesterday to 0830 hours IST of today):(in cm): **Arunachal Pradesh:** Tuting (dist Upper Siang) 10, Kibithu (dist Anjaw) 6, Yingkiong (dist Upper Siang) 4; **Assam:** Margherita (dist Tinsukia) 3; **Sikkim:** North Sikkim-5; **Coastal Andhra Pradesh & Yanam:** Mandasa (dist Srikakulam) 4, Pathapatnam (dist Srikakulam) 3, Tekkali (dist Srikakulam) 3, Parvathipuram (dist Parvathipuram Manyam) 3, Amaravati (dist Guntur) 3.

♦ **Thunderstorm observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): at isolated places over Uttarakhand, Arunachal Pradesh, East Madhya Pradesh, Chhattisgarh, Gangetic West Bengal, Jharkhand, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Odisha and Coastal Andhra Pradesh.

♦ **Hailstorm observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): at isolated places over Assam.

♦ **Minimum Temperature Departures (as on 28-03-2023):** Minimum temperatures are **above normal (1.6°C to 3.0°C)** at many places over Coastal Andhra Pradesh & Yanam; at a few places over Tamilnadu, Puducherry & Karaikal. They are **appreciably below normal (-3.1°C to -5.0°C)** at many place over Vidarbha and Coastal & North Interior Karnataka; at a few places over Haryana, Chandigarh & Delhi, East Rajasthan and Madhya Maharashtra; at isolated places over Madhya Pradesh; **below normal (-1.6°C to -3.0°C)** at many places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Uttarakhand and Konkan & Goa; at a few places over West Rajasthan, Telangana, West Bengal & Sikkim and Assam & Meghalaya; at isolated places over Himachal Pradesh, West Uttar Pradesh, Gujarat state and Odisha and **near normal** over rest parts of the country. Today, the **lowest minimum temperature of 13.2°C** is reported at **Karnal (Haryana)** over plains of the country.

♦ **Maximum Temperature Departures (as on 27-03-2023):** Maximum temperatures were **above normal (1.6°C to 3.0°C)** at isolated places over Kerala & Mahe and Tamilnadu, Puducherry & Karaikal. They were **appreciably below normal (-3.1°C to -5.1°C)** at most places over Haryana, Chandigarh & Delhi, West Rajasthan; at many places over West Uttar Pradesh, East Rajasthan, Madhya Maharashtra; at a few places over Punjab, East Madhya Pradesh, Chhattisgarh, Odisha, Gujarat Region; at isolated places over Himachal Pradesh, Uttarakhand, West Madhya Pradesh, Gangetic West Bengal, Saurashtra & Kutch, Marathwada; **below normal (-1.6°C to -3.0°C)** at most places over East Uttar Pradesh; at many places over Vidarbha, Jharkhand, North Interior Karnataka; at a few places over Arunachal Pradesh, Konkan & Goa, Telangana, Rayalaseema, South Interior Karnataka; at isolated places over Andaman & Nicobar Islands and **near normal** over rest parts of the country. Yesterday, the **highest maximum temperature of 39.5°C** was reported at **Nandyal (Rayalaseema)**.

* 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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(Copies to the Met Office 4875)

Meteorological Analysis (Based on 0830 hours IST)

- ◆ The **Western Disturbance** as a trough in middle tropospheric westerlies with its axis at 5.8 km above mean sea level now runs roughly along Long. 85°E to the north of Lat. 25°N.
- ◆ The other **Western Disturbance** as a trough in middle tropospheric westerlies with its axis at 5.8 km above mean sea level roughly along Long. 52°E to the north of Lat. 30°N persists.
- ◆ A cyclonic circulation lies over southwest Rajasthan & neighbourhood and extends upto 1.5 km above mean sea level.
- ◆ The **trough/wind discontinuity** from central Chhattisgarh to south Tamilnadu now runs from Marathwada to south Tamil Nadu across Telangana and Interior Karnataka at 0.9 km above mean sea level.
- ◆ The other **trough** from Bihar to north Odisha now runs from east Bihar to south Chhattisgarh across Jharkhand at 0.9 km above mean sea level.
- ◆ The **cyclonic circulation** over northwest Madhya Pradesh & neighbourhood at 1.5 km above mean sea level has become less marked.

Weather Forecast for next 5 days * upto 0830 hours IST of 02nd April, 2023

- ◆ Meteorological sub-division wise detailed 5 days rainfall forecast is given in Table-1.
- ◆ **Northwest India:** Gradual rise in Maximum Temperatures by 2-4°C very likely during next 2 days and fall by 3-5°C thereafter during subsequent 3 days.
- ◆ **East & Central India:** No significant change in Maximum Temperatures very likely during next 2 days and fall by 2-4°C thereafter during subsequent 3 days.
- ◆ **Rest parts of the Country:** No significant change in Maximum Temperatures very likely during next 5 days.

Weather Outlook for subsequent 2 days during 02nd-04th April, 2023

- ◆ Scattered to fairly widespread light/moderate rainfall/thundershowers likely over Western Himalayan Region & Northeast India.
- ◆ Isolated light/moderate rainfall/thundershowers likely over Andhra Pradesh, South Interior Karnataka, Tamil Nadu and Kerala & Mahe.
- ◆ Dry weather likely over rest parts of the country.

Weather Warning during next 5 days *

28 March (Day 1): ♦ Thunderstorm accompanied with lightning, hail & gusty wind (40-50 kmph) very likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura; **with lightning & hail** at isolated places over Arunachal Pradesh; **with lightning & gusty wind (30-40 kmph)** at isolated places over Coastal Andhra Pradesh & Yanam and Rayalaseema and **with lightning** over Chhattisgarh, Jharkhand, Gangetic West Bengal and Odisha.

29 March (Day 2): ♦ Thunderstorm accompanied with lightning & gusty wind (30-40 kmph) very likely at isolated places over West Rajasthan, Coastal Andhra Pradesh & Yanam and Rayalaseema and **with lightning** over Chhattisgarh, Gangetic West Bengal, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Gujarat state.

30 March (Day 3): ♦ Thunderstorm accompanied with lightning, hail & gusty wind (30-40 kmph) likely at isolated places over Punjab, Rajasthan and East Madhya Pradesh; **with lightning & hail** over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand and Haryana, Chandigarh & Delhi; **with lightning & gusty wind (30-40 kmph)** over West Madhya Pradesh, Vidarbha, Chhattisgarh, Jharkhand, Bihar, Gangetic West Bengal and Odisha and **with lightning** over Uttar Pradesh, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Coastal Andhra Pradesh & Yanam and Rayalaseema.

31 March (Day 4): ♦ Heavy rainfall likely at isolated places over West Bengal & Sikkim, Odisha, Arunachal Pradesh and Assam & Meghalaya.

♦ Thunderstorm accompanied with lightning, hail & gusty wind (40-50 kmph) likely at isolated places over Bihar, Jharkhand and Gangetic West Bengal; **with lightning, hail & gusty wind (30-40 kmph)** at isolated places over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, East Rajasthan, East Madhya Pradesh and Chhattisgarh; **with lightning & hail** over Himachal Pradesh, Uttarakhand and East Uttar Pradesh; **with lightning & gusty wind (40-50 kmph)** over Odisha; **with lightning & gusty wind (30-40 kmph)** over Vidarbha and **with lightning** over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, West Rajasthan, West Madhya Pradesh, Coastal Andhra Pradesh & Yanam, Telangana and Rayalaseema.

01 April (Day 5): ♦ Heavy rainfall likely at isolated places over Arunachal Pradesh and Assam & Meghalaya.

♦ Thunderstorm accompanied with lightning & hail likely at isolated places over Himachal Pradesh, Uttarakhand and West Uttar Pradesh; **with lightning & gusty wind (40-50 kmph)** over Odisha; **with lightning & gusty wind (30-40 kmph)** over Bihar and Sub-Himalayan West Bengal & Sikkim and **with lightning** over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, East Uttar Pradesh, Chhattisgarh, Gangetic West Bengal and Telangana.

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)

28-March-2023

Met-Sub-Division	28-Mar Today	29Mar Wed	30Mar Thu	31Mar Fri	01Apr Sat
1. Andaman & Nicobar Islands	ISOL	ISOL	ISOL	ISOL	DRY
2. Arunachal Pradesh	FWS	FWS	FWS	WS	WS
3. Assam & Meghalaya	SCT	SCT	FWS	WS	WS
4. N. M. M. & T.	SCT	SCT	FWS	WS	WS
5. S.H. West Bengal & Sikkim	ISOL	ISOL	SCT	WS	WS
6. Gangetic West Bengal	ISOL	SCT	SCT	FWS	FWS
7. Odisha	ISOL	ISOL	SCT	FWS	SCT
8. Jharkhand	ISOL	DRY	SCT	FWS	SCT
9. Bihar	DRY	DRY	ISOL	FWS	SCT
10. East Uttar Pradesh	DRY	DRY	ISOL	SCT	SCT
11. West Uttar Pradesh	DRY	DRY	ISOL	FWS	SCT
12. Uttarakhand	ISOL	ISOL	SCT	WS	WS
13. Haryana, Chd & Delhi	DRY	DRY	SCT	WS	SCT
14. Punjab	DRY	ISOL	FWS	WS	SCT
15. Himachal Pradesh	ISOL	ISOL	FWS	WS	WS
16. J & K and Ladakh	ISOL	SCT	SCT	FWS	FWS
17. West Rajsthan	DRY	ISOL	SCT	ISOL	ISOL
18. East Rajasthan	DRY	DRY	SCT	ISOL	ISOL
19. West Madhya Pradesh	DRY	DRY	ISOL	ISOL	DRY
20. East Madhya Pradesh	DRY	DRY	ISOL	ISOL	ISOL
21. Gujarat Region	DRY	ISOL	ISOL	ISOL	DRY
22. Saurashtra & Kutch	DRY	ISOL	ISOL	ISOL	DRY
23. Konkan & Goa	DRY	DRY	ISOL	ISOL	DRY
24. Madhya Maharashtra	DRY	DRY	ISOL	ISOL	DRY
25. Marathawada	DRY	DRY	DRY	DRY	DRY
26. Vidharbha	DRY	DRY	ISOL	ISOL	ISOL
27. Chhattisgarh	ISOL	ISOL	SCT	SCT	ISOL
28. Coastal A. P. & Yanam	ISOL	ISOL	ISOL	ISOL	ISOL
29. Telangana	DRY	DRY	DRY	ISOL	ISOL
30. Rayalaseema	ISOL	ISOL	ISOL	ISOL	ISOL
31. T.N., Puducherry & Karaikal	ISOL	ISOL	ISOL	ISOL	ISOL
32. Coastal Karnataka	DRY	DRY	DRY	DRY	DRY
33. North Interior Karnataka	DRY	DRY	DRY	DRY	DRY
34. South Interior Karnataka	DRY	ISOL	ISOL	ISOL	ISOL
35. Kerala & Mahe	ISOL	ISOL	ISOL	ISOL	ISOL
36. Lakshadweep	DRY	DRY	DRY	DRY	DRY

% Station Reporting Rainfall

% Stations	Category	% Stations	Category
76-100	Widespread (WS/ Mos) 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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