



Tuesday, April 11, 2023

MID-DAY

Time of Issue: 1330 hours IST

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features

Weather Forecast and Warnings:

- ❖ The **trough** in easterlies runs from north Kerala to south Madhya Maharashtra at lower tropospheric levels.
- ❖ A cyclonic circulation lies over southeast Pakistan upto middle tropospheric levels.

Under the influence of these systems, following weather is expected:

West India:

Light/moderate isolated rainfall with thunderstorm/lightning very likely over Konkan & Goa, Madhya Maharashtra and Marathwada during next 5 days. Isolated **hailstorm** likely over Madhya Maharashtra on 11th, 13th & 14th April, 2023.

South India:

Light/moderate isolated rainfall with thunderstorm/lightning/gusty winds very likely over South Interior Karnataka and Tamil Nadu on 11th April and over Kerala during next 5 days.

No significant weather likely over rest parts of the country.

Maximum Temperatures Forecast and heat wave during next 5 days:

- ❖ Maximum Temperatures are very likely to rise gradually by 2-4°C over many parts of the country.
- ❖ **Heat wave conditions** very likely in isolated pockets over coastal Gangetic West Bengal and coastal Odisha during 13th-15th April, 2023.
- ❖ **Strong surface winds (25-35 kmph)** very likely over Haryana and Uttar Pradesh during 11th-13th April, 2023.
- ❖ **Duststorm** very likely at isolated places over West Rajasthan on 11th April, 2023.

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Main Weather Observations

- ❖ **Rainfall/thundershowers observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): **at isolated places** over Himachal Pradesh, Uttarakhand, West Rajasthan, Madhya Pradesh, Vidarbha, Sub-Himalayan West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh, Karnataka, Tamil Nadu and Kerala.
- ❖ **Significant amount of rainfall recorded** (from 0830 hours IST of yesterday to 0830 hours IST of today)(in cm): **Sikkim:** Tadong-4; **Coastal Andhra Pradesh:** Srikakulam: Palasa-3, **Kerala:** Pathanamthitta: Ranni-3; **Madhya Maharashtra:** Nashik: Peth-2.
- ❖ **Thunderstorm observed** (from 0830 hours IST of yesterday to 0830 hours IST of today): at isolated places over West Rajasthan, Arunachal Pradesh, Coastal Karnataka and Kerala & Mahe.
- ❖ **Minimum Temperature Departures (as on 11-04-2023):** Minimum temperatures are **appreciably above normal (3.1°C to 5.0°C)** at isolated places over West Rajasthan and Gujarat Region; **above normal (1.6°C to 3.0°C)** at a few places over Andaman & Nicobar Islands; at isolated places over Saurashtra & Kutch, West Madhya Pradesh and Gangetic West Bengal. They are **markedly below normal (-5.1°C or less)** at isolated places over East Madhya Pradesh; **appreciably below normal (-3.1°C to -5.0°C)** at a few places over Haryana, Chandigarh & Delhi; at isolated places over East Rajasthan, Bihar and Coastal Andhra Pradesh & Yanam; **below normal (-1.6°C to -3.0°C)** at most places over Rayalaseema; at many places over East Uttar Pradesh, Vidarbha and Telangana; at a few places over West Madhya Pradesh and Tamil Nadu, Puducherry & Karaikal and **near normal** over rest parts of the country. Today, **the lowest minimum temperature of 14.6°C** reported at **Rewa (East Madhya Pradesh)** over plains of the country.
- ❖ **Maximum Temperature Departures (as on 10-04-2023):** Maximum temperatures were **markedly above normal (5.1°C or more)** at a few places over Assam & Meghalaya; at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad; **appreciably above normal (3.1°C to 5.0°C)** at many places over Nagaland, Manipur, Mizoram & Tripura and Sub-Himalayan West Bengal & Sikkim; at a few places over Konkan & Goa and Gangetic West Bengal; at isolated places over Bihar and Kerala & Mahe; **above normal (1.6°C to 3.0°C)** at many places over Himachal Pradesh, Gujarat region and Odisha; at a few places over West Rajasthan and Coastal Andhra Pradesh & Yanam; at isolated places over Saurashtra & Kutch. They were **below normal (-1.6°C to -3.0°C)** at many places over Vidarbha; at a few places over Madhya Pradesh; at isolated places over East Uttar Pradesh and **near normal** over rest parts of the country. Yesterday, the **highest maximum temperature of 41.6°C** was reported at **Rajgarh (West Madhya Pradesh)**.

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Meteorological Analysis (Based on 0830 hours IST)

- ❖ The cyclonic circulation over northeast Arabian Sea & adjoining south Pakistan persists and now extends upto 5.8 km above mean sea level.
- ❖ The trough in easterlies from north Kerala to north Madhya Maharashtra now runs from north Kerala to south Madhya Maharashtra across interior Karnataka at 0.9 km above mean sea level.
- ❖ A fresh Western Disturbance is likely to affect Western Himalayan Region from 15th April, 2023.
- ❖ The cyclonic circulation over Gangetic West Bengal & neighbourhood at 0.9 km above mean sea level has become less marked.
- ❖ The cyclonic circulation over south Rajasthan & neighbourhood at 0.9 km above mean sea level has become less marked.
- ❖ The cyclonic circulation over east Assam & neighbourhood at 0.9 km above mean sea level has become less marked.

Weather Forecast for next 5 days * (upto 0830 hours IST of 16th April, 2023)

- ❖ Meteorological sub-division wise detailed 5 days rainfall forecast is given in Table-1.
- ❖ Gradual rise in Maximum Temperatures by 2-4^oC very likely over many parts of the country during next 5 days.
- ❖ **Strong surface winds (speed 25-35 kmph)** likely to prevail over Haryana and Uttar Pradesh during 11th -13th April.

Weather Outlook for subsequent 2 days (during 16th-18th April, 2023)

- ❖ Mainly dry weather likely over most parts of the country except over parts of south Peninsular India, Northeast India and Western Himalayan region where isolated to scattered light/moderate rainfall is likely.

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Weather Warning during next 5 days

11 April (Day 1): ♦ **Hailstorm with thunderstorm & lightning** very likely at isolated places over Madhya Maharashtra.

♦ **Thunderstorm accompanied with lightning & gusty winds (30-40 kmph)** very likely at isolated places over West Rajasthan; with lightning at isolated places over Gujarat state, South Interior Karnataka, Tamil Nadu and Kerala.

♦ **Duststorm** very likely at isolated places over West Rajasthan.

12 April (Day 2): ♦ **Thunderstorm accompanied with lightning** very likely at isolated places over Madhya Maharashtra and Kerala & Mahe.

13 April (Day 3): ♦ **Hailstorm with thunderstorm & lightning** very likely at isolated places over Madhya Maharashtra.

♦ **Thunderstorm with lightning** very likely at isolated places over Gujarat state, Konkan & Goa, Marathwada and Kerala & Mahe.

♦ **Heat Wave conditions** very likely in isolated pockets over Odisha.

14 April (Day 4): ♦ **Hailstorm with thunderstorm & lightning** likely at isolated places over Madhya Maharashtra.

♦ **Thunderstorm with lightning & gusty wind (30-40 kmph)** likely at isolated places over Vidarbha and Kerala & Mahe and **with lightning** at isolated places over West Madhya Pradesh, Konkan & Goa, Marathwada and Interior Karnataka.

♦ **Heat Wave conditions** likely in isolated pockets over Odisha.

15 April (Day 5): ♦ **Thunderstorm with lightning & gusty wind (30-40 kmph)** likely at isolated places over Kerala & Mahe and **with lightning** at isolated places over West Madhya Pradesh, Marathwada and South Interior Karnataka.

♦ **Heat Wave conditions** likely in isolated pockets over Odisha.



Table-1

5 Day Rainfall Forecast						
S. No.	Subdivision	11-Apr	12-Apr	13-Apr	14-Apr	15-Apr
		Day 1	Day 2	Day 3	Day 4	Day 5
1	ANDAMAN & NICOBAR ISLAND	DRY	DRY	DRY	ISOL	ISOL
2	ARUNACHAL PRADESH	SCT	ISOL	DRY	DRY	DRY
3	ASSAM & MEGHALAYA	ISOL	ISOL	DRY	DRY	DRY
4	NAGALAND, MANIPUR, MIZORAM & TRIPURA	DRY	DRY	DRY	DRY	DRY
5	SUB-HIMALAYAN WEST BENGAL & SIKKIM	ISOL	DRY	DRY	DRY	DRY
6	GANGETIC WEST BENGAL	DRY	DRY	DRY	DRY	DRY
7	ODISHA	ISOL	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	ISOL
13	HARYANA CHANDIGARH & DELHI	DRY	DRY	DRY	DRY	DRY
14	PUNJAB	DRY	DRY	DRY	DRY	DRY
15	HIMACHAL PRADESH	DRY	DRY	DRY	DRY	ISOL
16	JAMMU & KASHMIR AND LADAKH	ISOL	DRY	DRY	DRY	ISOL
17	WEST RAJASTHAN	ISOL	DRY	DRY	DRY	DRY
18	EAST RAJASTHAN	DRY	DRY	DRY	DRY	DRY
19	WEST MADHYA PRADESH	DRY	DRY	DRY	ISOL	ISOL
20	EAST MADHYA PRADESH	DRY	DRY	DRY	DRY	DRY
21	GUJARAT REGION	ISOL	DRY	ISOL	DRY	DRY
22	SAURASHTRA & KUTCH	ISOL	DRY	ISOL	DRY	DRY
23	KONKAN & GOA	ISOL	ISOL	ISOL	ISOL	ISOL
24	MADHYA MAHARASHTRA	ISOL	ISOL	ISOL	ISOL	ISOL
25	MARATHAWADA	DRY	DRY	ISOL	ISOL	ISOL
26	VIDARBHA	DRY	DRY	DRY	ISOL	DRY
27	CHHATTISGARH	DRY	DRY	DRY	DRY	DRY
28	COASTAL ANDHRA PRADESH & YANAM	DRY	DRY	DRY	DRY	DRY
29	TELANGANA	DRY	DRY	DRY	ISOL	DRY
30	RAYALASEEMA	DRY	DRY	DRY	DRY	DRY
31	TAMILNADU PUDUCHERRY & KARAİKAL	ISOL	DRY	DRY	DRY	DRY
32	COASTAL KARNATAKA	DRY	DRY	DRY	ISOL	ISOL
33	NORTH INTERIOR KARNATAKA	DRY	DRY	DRY	ISOL	ISOL
34	SOUTH INTERIOR KARNATAKA	ISOL	DRY	DRY	ISOL	ISOL
35	KERALA & MAHE	ISOL	ISOL	ISOL	ISOL	ISOL
36	LAKSHADWEEP	SCT	DRY	DRY	DRY	DRY

Legend	Category	% Stations
WS	Widespread/Most Places	76-100
FWS	Fairly Widespread/Many Places	51-75
SCT	Scattered/ A Few Places	26-50
ISOL	Isolated Places	1-25
DRY	No Rain	0

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