

Thursday, May 25, 2023  
Time of Issue: 1345 hours IST  
(MID-DAY)

## ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

### Significant Weather Features

#### **Advance of southwest monsoon:**

- ❖ The Northern Limit of Southwest Monsoon continues to pass through 5°N/85°E, 6.5°N/90°E, Nancowry and 10°N/98°E.
- ❖ Conditions are favourable for further advance of southwest monsoon into some more parts of south Bay of Bengal, Andaman Sea and Andaman & Nicobar Islands during next 2 days.

#### **Significant Meteorological features:**

- ❖ A cyclonic circulation lies over north Pakistan & adjoining Punjab in lower tropospheric levels.
- ❖ A Trough runs from northwest Uttar Pradesh to south Bangladesh in lower tropospheric levels.
- ❖ These systems are likely to move across Northwest India till 26<sup>th</sup> May.
- ❖ It will be accompanied by moisture supply from Arabian Sea to northwest India during the same period.
- ❖ A trough runs from southeast Madhya Pradesh to Coastal Karnataka in lower tropospheric levels.
- ❖ Strong southwesterly winds from Bay of Bengal to northeast India are prevailing at lower tropospheric levels.

#### **Forecast and warning over the country during next 5 days:**

##### **Northwest India:**

- Light/moderate rainfall at most places with thunderstorm, lightning & occasional gusty winds/squall very likely over Western Himalayan Region and rainfall at many places with thunderstorm, lightning & occasional gusty winds/squall very likely over plains of Northwest India till 26<sup>th</sup> May with maximum intensity on 25<sup>th</sup> May.
- **Thundersquall/Gusty Wind speed reaching 50-60 kmph** likely at isolated places over Uttarakhand, Punjab, Haryana-Chandigarh, Uttar Pradesh and north Rajasthan on 25<sup>th</sup> May.
- **Moderate to heavy rainfall** very likely at isolated places over Himachal Pradesh, Uttarakhand, Punjab and north Rajasthan on 25<sup>th</sup> May.
- **Hailstorm** very likely at isolated places over Jammu division, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh, Uttar Pradesh and north Rajasthan on 25<sup>th</sup> May.

##### **Northeast India:**

- Light/moderate scattered to fairly widespread rainfall with thunderstorm/lightning/gusty winds very likely to continue over Assam & Meghalaya and Mizoram & Tripura during next 2 days.
- **Heavy rainfall** at isolated places over Assam & Meghalaya and Mizoram & Tripura on 26<sup>th</sup> May, 2023.

##### **East India:**

- Light/moderate scattered to fairly widespread rainfall with thunderstorm/lightning/gusty winds very likely over West Bengal & Sikkim, Bihar and Jharkhand during next 2 days.
- **Heavy rainfall** very likely at isolated places over Sub-Himalayan West Bengal & Sikkim on 25<sup>th</sup> & 26<sup>th</sup> May.
- **Hailstorm** very likely at isolated places over West Bengal & Sikkim on 25<sup>th</sup> May.
- **Thundersquall/Gusty Wind speed reaching 50-60 kmph** likely at isolated places over Gangetic West Bengal on 25<sup>th</sup> May.

**No significant weather likely over remaining parts of the country during next 5 days.**

#### **Maximum Temperature Forecast and Heat Wave Warnings:**

- Fall in maximum temperatures by 2-3°C very likely over Northwest India during next 3 days and no significant change thereafter. No significant change in maximum temperature very likely over rest parts of the country during next 5 days.
- Due to humid air & high temperature, **Hot and Discomfort weather** is very likely over west Odisha, Chhattisgarh and East Madhya Pradesh on 25<sup>th</sup> & 26<sup>th</sup> May, 2023.

\* 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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## Main Weather Observations

- ❖ **Rainfall/thundershowers observed** (from 0830 hrs IST of yesterday to 0830 hrs IST of today): **at most places** over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab; **at many places** over Sub-Himalayan West Bengal & Sikkim, East Uttar Pradesh, Haryana, Chandigarh & Delhi, West Rajasthan; **at a few places** over Assam & Meghalaya, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, West Uttar Pradesh, East Rajasthan, Gangetic West Bengal, Odisha South Interior Karnataka, Kerala & Mahe, Lakshadweep; **at isolated places** over Jharkhand, Bihar, Madhya Pradesh, Vidarbha, Chhattisgarh, Gujarat Region, Konkan & Goa, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh, Coastal & North Interior Karnataka, Telangana, Rayalaseema and Tamil Nadu, Puducherry & Karaikal.
- ❖ **Significant rainfall recorded** (from 0830 hrs IST of yesterday to 0830 hrs IST of today) (in cm): **Tamil Nadu:** K.Paramathi (dist Karur) 5, Chinnakalar (dist Coimbatore) 4, Kerala: Kozhikode, Vadakara (Kozhikode district), Mangalam Dam AWS (Palakkad district) & Urumi AWS (Kozhikode district) 3 each, South Interior Karnataka: B Durga (dist Chitradurga) 7, Napoklu (dist Kodagu) 6; Rayalaseema: Kondapuram (dist Ysr District) 6, Odisha: Patrapur (dist Ganjam) 4, Bandhugaon (dist Koraput) 3, Chandbali (dist Bhadrak) 3; Nagaland, Manipur, Mizoram & Tripura: Wokha (dist Wokha) 4, Zunheboto (dist Zunheboto) 4, Kohima (dist Kohima) 4, Assam & Meghalaya: Jia Bharali N T Xing (dist Shonitpur) 6, Himachal Pradesh: Solan-7, Mandi, Kangra, Simla, Una, Chamba-5 each, Bilaspur, Sirmaur-4 each; Uttarakhand: Pandukeshwar-6, Ranichwari, Koti, Barkot-3 each; West Rajasthan: Churu-10, nagaur-9, Bikaner-6, East Rajasthan: Sikar-7; Jammu & Kashmir: Batote (dist Ramban) 4, Raj Pura Arg (dist Poonch) 4, Banihal (dist Ramban) 3, Uttar Pradesh: Bareilly-4, Bahraich-3, Punjab: Ballawal Saunkri (dist Sbs Nagar) 8, Balachaur Aws (dist Sbs Nagar) 7, Aurphambra Road Arg (dist Sbs Nagar) 5, Balachaur (dist Sbs Nagar) 5, Ropar Kvk Aws (dist Rupnagar) 5; Sikkim: West Sikkim-4.
- ❖ **Heavy Rainfall** (from 0830 hrs IST of yesterday to 0830 hrs IST of today) observed at isolated places over Rajasthan, Himachal Pradesh, Punjab and South Interior Karnataka.
- ❖ **Thunderstorm observed** (from 0830 hrs IST of yesterday to 0830 hrs IST of today): at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh, Rajasthan, East Uttar Pradesh, Odisha, Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Assam & Meghalaya.
- ❖ **Hailstorm observed** (from 0830 hrs IST of yesterday to 0830 hrs IST of today): at isolated places over Jammu division, Himachal Pradesh, Uttarakhand, Rajasthan, Odisha, West Madhya Pradesh and Coastal Andhra Pradesh.
- ❖ **Squally Winds speed reaching 60-70 kmph** prevailed at isolated places over Punjab, Chandigarh and East Rajasthan.
- ❖ **Yesterday, Heat wave conditions** prevailed in isolated pockets of northern parts of East Madhya Pradesh.
- ❖ **Minimum Temperature Departures (as on 25-05-2023):** Minimum temperatures are **above normal (1.6°C to 3.0°C)** at many places over Andaman & Nicobar Islands; at a few places over Chhattisgarh. They are **markedly below normal (-5.1°C or less)** at many places over Punjab; at a few places over Rajasthan; at isolated places over Haryana, Chandigarh & Delhi; **appreciably below normal (-3.1°C to -5.0°C)** at many places over Uttarakhand; at a few places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad and West Madhya Pradesh; at isolated places over Uttar Pradesh, East Madhya Pradesh, Vidarbha, Gangetic West Bengal and Telangana; **below normal (-1.6°C to -3.0°C)** at many places over Himachal Pradesh and Nagaland, Manipur, Mizoram & Tripura; at a few places over Odisha and Coastal Andhra Pradesh & Yanam; at isolated places over Assam & Meghalaya and Tamil Nadu, Puducherry & Karaikal and **near normal** over rest parts of the country. Today, **the lowest minimum temperature** of 17.3°C is reported at Seoni (East Madhya Pradesh) over the plains of the country.
- ❖ **Maximum Temperature Departures (as on 24-05-2023):** Maximum temperatures were **appreciably above normal (3.1°C to 5.1°C)** at a few places over Arunachal Pradesh, Assam & Meghalaya and Odisha; **above normal (1.6°C to 3.0°C)** at many places over Jharkhand, Kerala & Mahe, Lakshadweep and Andaman & Nicobar Islands; at isolated places over Madhya Pradesh and Madhya Maharashtra. They were **markedly below normal (-5.1°C or less)** at most places over Haryana, Chandigarh & Delhi; at many places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh and Uttarakhand; at a few places over West Uttar Pradesh and East Rajasthan; **appreciably below normal (-3.1°C to -5.0°C)** at most places over Punjab; at a few places over Bihar and at isolated places over Gangetic West Bengal; **below normal (-1.6°C to -3.0°C)** at a few places over East Uttar Pradesh and Nagaland, Manipur, Mizoram & Tripura; at isolated places over West Rajasthan, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal and **near normal** over rest parts of the country. Yesterday, **the highest maximum temperature** of 45.0°C was reported at Khajuraho & Tikamgarh (East Madhya Pradesh).

### Meteorological Analysis (Based on 0830 hours IST)

- ❖ The Northern Limit of Southwest Monsoon continues to pass through 5°N/85°E, 6.5°N/90°E, Nancowry and 10°N/98°E.
- ❖ Conditions are favourable for further advance of southwest monsoon into some more parts of south Bay of Bengal, Andaman Sea and Andaman & Nicobar Islands during next 2 days.
- ❖ The Western Disturbance as a trough in mid tropospheric westerlies with its axis at 5.8 km above mean sea level now runs roughly along Long. 75°E to the north of Lat. 27°N.
- ❖ The cyclonic circulation over north Pakistan & adjoining Punjab persists and now seen at 1.5 km above mean sea level.
- ❖ The trough now runs from northwest Uttar Pradesh to south Bangladesh across central Uttar Pradesh, south Bihar, Jharkhand, Gangetic West Bengal at 0.9 km above mean sea level.
- ❖ The north-south trough now runs from Southeast Madhya Pradesh to Coastal Karnataka across Vidarbha, Telangana and North Interior Karnataka at 0.9 km above mean sea level.
- ❖ A fresh Western Disturbance is likely to affect over Northwest India from 29<sup>th</sup> May 2023.
- ❖ The cyclonic circulation over east Bangladesh & neighbourhood between 1.5 km & 5.8 km above mean sea level has become less marked.
- ❖ The cyclonic circulation over Jharkhand & neighbourhood extending upto 1.5 km above mean sea level has become less marked.

### Weather Forecast for next 5 days (Upto 0830 hours IST of 30th May, 2023)

- ❖ Meteorological sub-division wise detailed 5 days rainfall forecast is given in Table-1.

#### **Maximum Temperatures Forecast:**

- ❖ No Significant change in Maximum Temperatures very likely over most parts of the country during next 5 days.

### Weather Outlook for subsequent 2 days (During 30<sup>th</sup> May-01st June, 2023)

- ❖ Scattered to Fairly widespread light/moderate rainfall with thunderstorm likely to continue over Northwest India, Madhya Pradesh, Northeast India, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Islands.
- ❖ Isolated to Scattered rainfall over remaining South Peninsular India and part of East India.
- ❖ Dry weather over rest parts of the country.

## Weather Warning during next 5 days

**25 May (Day 1): ♦ Heavy rainfall** very likely at isolated places over Himachal Pradesh, Uttarakhand, Punjab, north Rajasthan and Sub-Himalayan West Bengal & Sikkim.

♦ **Thunderstorm with lightning & gusty winds (speed 40-50 kmph)** very likely at isolated places over Nagaland, Manipur, Mizoram & Tripura, Bihar, Jharkhand, Odisha, East Madhya Pradesh; **with lightning & gusty winds (speed 30-40 kmph)** at isolated places over Assam & Meghalaya, Chhattisgarh, Vidarbha, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Interior Karnataka and Kerala & Mahe; **with lightning** at isolated places over Nicobar Islands, Tamil Nadu, Puducherry & Karaikal.

♦ **Hailstorm with lightning, squall & hail (wind speed 60-70 kmph)** very likely at isolated places over Uttarakhand, Haryana, Chandigarh & Delhi, Punjab; **with lightning, squall (wind speed 50-60 kmph)** at isolated places over Uttar Pradesh, Rajasthan and Gangetic West Bengal; **with lightning & gusty winds (speed 40-50 kmph)** at isolated places over West Madhya Pradesh and Sub-Himalayan West Bengal & Sikkim; **with lightning** at isolated places over Jammu and Himachal Pradesh.

♦ **Squally weather (wind speed 45-55 kmph gusting to 65 kmph)** likely over Northeast & adjoining Northwest Arabian sea along & off Gujarat coast and Lakshadweep area. Fishermen are advised not to venture into these areas.

**26 May (Day 2): ♦ Heavy rainfall** very likely at isolated places over Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Mizoram, Tripura.

♦ **Thunderstorm with lightning & gusty winds (speed 40-50 kmph)** very likely at isolated places over Uttarakhand, Rajasthan, West Bengal & Sikkim and Odisha; **with lightning & gusty winds (speed 30-40 kmph)** likely at isolated places over Bihar, Jharkhand, Nagaland, Manipur, Mizoram & Tripura, Uttar Pradesh, Punjab, Haryana, Chandigarh & Delhi, Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Madhya Pradesh, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Rayalaseema and Kerala & Mahe; **with lightning** at isolated places Assam & Meghalaya, Himachal Pradesh, South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal.

♦ **Squally weather (wind speed 45-55 kmph gusting to 65 kmph)** very likely over Northeast & adjoining Northwest Arabian sea along & off Gujarat coast; Gulf of Mannar, southwest Bay of Bengal, along & off Tamil Nadu coasts, Lakshadweep. Fishermen are advised not to venture into these areas.

**27 May (Day 3): ♦ Thunderstorm with lightning & gusty winds (speed 30-40 kmph)** very likely at isolated places over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Madhya Pradesh, West Bengal & Sikkim and Kerala & Mahe; **with lightning** at isolated places over Himachal Pradesh, Uttarakhand, Rajasthan, Chhattisgarh, Odisha, South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal.

♦ **Squally weather (wind speed 45-55 kmph gusting to 65 kmph)** very likely over Northeast & adjoining Northwest Arabian sea along & off Gujarat coast; Gulf of Mannar, southwest Bay of Bengal, along & off Tamil Nadu coasts, Lakshadweep. Fishermen are advised not to venture into these areas.



**28 May (Day 4): ♦ Thunderstorm with lightning & gusty winds (speed 40-50 kmph)** likely at isolated places over Madhya Pradesh; **with lightning & gusty winds (speed 30-40 kmph)** at isolated places over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and Kerala & Mahe; **with lightning** at isolated places over Himachal Pradesh, Uttarakhand, Rajasthan, Odisha, South Interior Karnataka and Tamil Nadu, Puducherry & Karaikal.

♦ **Squally weather (wind speed 45-55 kmph gusting to 65 kmph)** likely over Gulf of Mannar, southwest Bay of Bengal, along & off Tamil Nadu coasts, Lakshadweep. Fishermen are advised not to venture into these areas.

**29 May (Day 5): ♦ Thunderstorm with lightning & gusty winds (speed 30-40 kmph)** likely at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe; **with lightning** at isolated places over Himachal Pradesh, Rajasthan, Odisha, South Interior Karnataka and Andaman & Nicobar Islands.





Table-1

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

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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