

Government of India
Earth System Science Organization
Ministry of Earth Sciences
India Meteorological Department

Press Release: Dated: 23 April 2026

Subject: Current Weather Status and Extended Range Forecast for the next two weeks (23 April to 06 May 2026)

1. Salient Observed Features for the week ending 22 April 2026:

- ❖ **A fresh spell of heat wave conditions commenced over the country from Haryana on 18th April, and it gradually extended to Delhi, Uttar Pradesh, Uttarakhand and East Madhya Pradesh during the week.**
- ❖ Scattered to Widespread rainfall with isolated thunderstorm activities over northeast India prevailed during the second half of the week with **Extremely heavy rainfall** was recorded at isolated places over Assam & Meghalaya on 21st April and **Heavy to Very Heavy Rainfall** recorded at isolated places over Assam & Meghalaya on 19th & 20th April. **Heavy rainfall** recorded at isolated places over Nagaland, Manipur, Mizoram & Tripura on 19th & 20th April, Arunachal Pradesh on 21st & 22nd April, Assam & Meghalaya, Odisha on 22nd April.
- ❖ **Hailstorm** recorded at isolated places over Madhya Maharashtra on 18th, 20th & 22nd April, Marathwada on 18th & 22nd April, Haryana, North Interior Karnataka on 18th April, Telangana on 20th April, Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim on 22nd April.
- ❖ **Weekly Average Maximum temperature** was above normal by 2-4°C over many parts of north, northwest, central and northeast India, and nearly normal over remaining parts of the country during the week. **Weekly Average Minimum temperature** was above normal by 1-3°C over parts of north, northwest & adjoining central, and east India, and normal over remaining parts of the country during the week.
- ❖ **Temperature Scenario:** The lowest minimum temperature of **14.0°C** had been recorded at **SARSAWA (WEST UTTAR PRADESH)** on **16th April, 2026** and the highest maximum temperature of **45.4°C** had been recorded at **BANDA (EAST UTTAR PRADESH)** on **17th April, 2026** over the plains of the country during the week.

❖ **Analysis of weekly overall rainfall distribution during the week ending on 22 April and the Pre-Monsoon Season’s Rainfall Scenario (01.03.2026 to 22.04.2026):** The country as a whole, the weekly cumulative All India Rainfall (ending on 22 April) in % departure from its long period average (LPA) is -45%. All India Seasonal cumulative rainfall % departure during this year’s Pre-Monsoon Season Rainfall (01.03.2026 to 22.04.2026) is 04%. Details of the rainfall distribution over the four broad geographical regions of India are provided in Table 1. Meteorological sub-division-wise rainfall for the week and season is presented in **Annexure I & II**, respectively.

Table 1: Rainfall status (Week and season)

Region	Week			Season		
	16.04.2026 TO 22.04.2026			01.03.2026 TO 22.04.2026		
	Actual (mm)	Normal (mm)	Departure (%)	Actual (mm)	Normal (mm)	Departure (%)
EAST & NORTHEAST INDIA	21.2	30.9	-31%	170.0	143.8	18%
NORTHWEST INDIA	3.5	7.9	-55%	66.3	71.8	-8%
CENTRAL INDIA	1.2	2.6	-56%	17.5	14.3	22%
SOUTH PENINSULA	3.2	8.9	-64%	31.7	38.2	-17%
THE COUNTRY AS A WHOLE	5.5	10.0	-45%	59.6	57.3	4%

2. Large-scale features:

- ❖ At present, neutral El Niño–Southern Oscillation (ENSO) conditions are prevailing over the equatorial Pacific Ocean. However, some of the atmospheric circulation features over the tropical Pacific are consistent with weak La Niña–like conditions. The latest forecasts from the Monsoon Mission Climate Forecast System (MMCFS) suggest that ENSO-neutral conditions are most likely to continue during the April to June 2026 season. Thereafter, the probability of the development of El Niño conditions increases gradually.
- ❖ Currently, neutral Indian Ocean Dipole (IOD) conditions are prevailing over the Indian Ocean. The latest MMCFS forecast suggests that these neutral IOD conditions are likely to persist during the March to May season and thereafter.
- ❖ Madden Julian Oscillation (MJO) index is currently in phase 2 with an amplitude greater than 1. It is very likely to move across phases 2 and 3 during weeks 1 and 2, with the amplitude gradually becoming less than 1 from the middle of week 2. Thus, MJO is favorable for the enhancement of convective activity over the Arabian Sea (AS) during both the weeks and the Bay of Bengal (BoB) from the latter half of week 1 onwards.

3. Forecast for the next two weeks

Weather systems & associated Precipitation during Week 1 (23 to 29 April 2026) and Week 2 (30 April to 06 May 2026)

Weather systems & associated Precipitation during Week 1 (23 to 29 April 2026):

- ❖ The Western Disturbance as a trough in middle tropospheric westerlies runs roughly along Long. 52°E to the north of Lat. 32°N.
- ❖ A **trough/ wind discontinuity** runs from east Vidarbha to Comorin area in lower tropospheric levels.
- ❖ An upper air **cyclonic circulation** lies over northeast Bangladesh & neighbourhood in lower tropospheric levels and a **trough** runs from this upper air cyclonic circulation to north interior Odisha in lower tropospheric levels.
- ❖ A **trough** runs from southeast Rajasthan to northeast Arabian Sea in lower tropospheric levels.
- ❖ An upper air **cyclonic circulation** lies over southwest Rajasthan & adjoining Pakistan in lower tropospheric levels.
- ❖ An upper air **cyclonic circulation** lies over coastal Tamil Nadu in lower tropospheric levels.
- ❖ A trough in westerlies in lower tropospheric levels runs roughly along Long. 93°E to the north of Lat. 21°N.
- ❖ An **Anti-cyclonic circulation** lies over central parts of South Madhya Pradesh & neighbourhood in lower & middle tropospheric levels.

Under the influence of above systems, the following weather is likely:

Northwest India:

- ❖ **Isolated to Scattered** light to moderate rainfall/snowfall with **thunderstorm, lightning & gusty winds (speed reaching 30-50 kmph)** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad during 23rd-25th & on 28th; Himachal Pradesh on 24th, 25th, 28th & 29th and Uttarakhand on 25th, 26th, 28th & 29th April.
- ❖ **Isolated to Scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 30-40 kmph)** likely over Punjab and Haryana, Chandigarh during 26th -28th and Uttar Pradesh on 28th & 29th April.

Northeast India:

- ❖ **Fairly widespread to widespread** light to moderate rainfall with **thunderstorm, lightning gusty winds (speed reaching 30-50 kmph)** likely over Nagaland, Manipur, Mizoram & Tripura on 23rd; Assam & Meghalaya during 23rd & during

25th -29th April; **with lightning** over Arunachal Pradesh on 23rd & during 25th -29th and Nagaland, Manipur, Mizoram & Tripura during 24th -27th April.

- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Assam & Meghalaya during 25th-27th April.
- ❖ **Isolated heavy rainfall** likely over Arunachal Pradesh on 23rd & during 25th-29th; Assam & Meghalaya during 25th-29th; Nagaland, Manipur, Mizoram & Tripura on 28th & 29th; with isolated **very heavy rainfall** likely over Arunachal Pradesh during 27th -29th; Assam & Meghalaya during 26th -29th April.

East India:

- ❖ **Isolated to scattered light** to moderate rainfall with **thunderstorm, lightning gusty winds (speed reaching 30-50 kmph)** likely over Sub-Himalayan West Bengal & Sikkim and Odisha during 23rd -29th; Gangetic West Bengal & Bihar during 24th -29th; Jharkhand during 26th -29th April.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Sub-Himalayan West Bengal & Sikkim on 25th; Bihar on 25th & 26th; Jharkhand on 26th & 27th; Gangetic West Bengal during 26th -28th April.
- ❖ Isolated **Hailstorm activity** likely over Jharkhand on 26th & 27th April.
- ❖ **Isolated heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim during 25th-27th April.

Central India:

- ❖ **Isolated light** to moderate rainfall with **thunderstorm, lightning gusty winds (speed reaching 40-50 kmph)** likely over Chhattisgarh on 26th & 27th and Madhya Pradesh on 27th April.

South Peninsular India:

- ❖ **Isolated light** to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 30-50 kmph)** likely over Kerala & Mahe, Karnataka during 23rd -27th; Coastal Andhra Pradesh & Yanam during 23rd-25th; Rayalaseema & Telangana on 23rd & 24th; **with lightning** over Tamil Nadu on 23rd & 24th April.

West India:

- ❖ **Isolated light** to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 30-50 kmph)** likely over Konkan & Goa, Madhya Maharashtra, Marathawada during 23rd -25th April.
- ❖ Isolated **Hailstorm activity** likely over Madhya Maharashtra and Marathawada on 23rd & 24th April.

Weather systems & associated Precipitation during Week 2 (30 April to 06 May 2026):

- ❖ A feeble western disturbance is likely to impact the western Himalayan region during the week.
- ❖ Westerlies are likely to dominate in the lower and middle tropospheric levels over northern, central, and eastern India during the week.
- ❖ Stronger southwesterly winds in the lower and middle tropospheric levels from the Bay of Bengal to Northeast India are likely to prevail during the week.
- ❖ A north-south trough/ wind discontinuity is likely to develop and persist over peninsular India during most days of the week.

Under the influence of the above system:

- ❖ Light precipitation isolated to scattered places is likely over the Western Himalayan Region (WHR) during some days of the week.
- ❖ Light/moderate scattered to fairly widespread precipitation with thunderstorm activity likely over the northeastern parts of Bihar, Sub-Himalayan West Bengal & Sikkim, and Northeast India during many days of the week.
- ❖ Isolated heavy to very heavy rainfall is likely over Sikkim, Arunachal Pradesh, Assam & Meghalaya, and Tripura, on some/ many days of the week.
- ❖ Overall, thunderstorm activity is likely to continue over the northeast & adjoining east India, and south peninsular India during the week.
- ❖ Overall, rainfall is likely to be normal to above normal over many parts of northeast & adjoining East India, and near normal over some parts of south peninsular India, and below normal/dry weather is likely over the remaining parts of the country (Annexure III).

Temperature forecast for Week 1 (23 to 29 April 2026) and Week 2 (30 April to 06 May 2026)

Temperature forecast for Week 1 (23 to 29 April 2026):

Temperature Conditions during past 24 hours till 0830 hours IST of today:

- ❖ **Maximum/day temperatures** were in the range of 40°C-44°C over most parts of Vidarbha; many parts of Marathwada, Chhattisgarh, East Madhya Pradesh, East Uttar Pradesh; at some places of East Rajasthan, West Madhya Pradesh, Haryana-Chandigarh-Delhi, at isolated places over Odisha, north Telangana, Karala, Western parts of Bihar, West Uttar Pradesh, Punjab, Rayalaseema, Jharkhand, Gujarat and in the range of 36°C-40°C over rest parts of the country except parts of Western Himalayan region and Northeast India, where they were below 36°C. Yesterday, **the highest maximum temperature of 44.6°C at Jharsuguda (Odisha).**

- ❖ **Maximum/day temperatures were** markedly above normal ($> 5.1^{\circ}\text{C}$) at a few places over Jammu-Kashmir; appreciably above normal (3.1°C to 5.0°C) at a few places over Himachal Pradesh, Haryana-Chandigarh, Meghalaya, Kerala and Tripura; at isolated places over East Uttar Pradesh; and above normal (1.6°C to 3.0°C) at many places over Delhi, Jharkhand, East Madhya Pradesh and Tamil Nadu, Puducherry & Karaikal; at a few places over West Madhya Pradesh, East Rajasthan, Odisha, Vidarbha, West Bengal & Sikkim, Mizoram, Coastal Karnataka and Lakshadweep; at isolated places over Punjab, West Rajasthan and Bihar.
- ❖ **Minimum/night temperatures were in the range of $13\text{--}19^{\circ}\text{C}$** over Himachal Pradesh, Uttarakhand, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Manipur, Mizoram and Tamil Nadu, Puducherry & Karaikal. They were in the range of **$20\text{--}26^{\circ}\text{C}$** over remaining parts of the plains of the country. **Today, the lowest minimum temperature of 18.0°C was observed at Gurdaspur (Punjab) over the plains of India.**
- ❖ **Minimum/night Temperature** were appreciably above normal (3.1°C to 5.0°C) over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Haryana, Uttar Pradesh, Bihar, Gangetic West Bengal, Telangana; and above normal (1.6 to 3.0°C) over Rajasthan, Madhya Pradesh, Assam & Meghalaya, Nagaland, Kerala & Mahe, Odisha, Saurashtra & Kutch.

Forecast of maximum/day temperatures:

- ❖ Gradual rise in maximum temperatures by $2\text{--}3^{\circ}\text{C}$ likely over Northwest India till 26th April and gradual fall by $2\text{--}3^{\circ}\text{C}$ during 27th-29th April.
- ❖ Gradual rise in maximum temperatures by $2\text{--}3^{\circ}\text{C}$ likely over Central India till 25th and no significant change during 26th-29th April.
- ❖ No significant change in maximum temperatures likely over East India till 25th and gradual fall by $2\text{--}4^{\circ}\text{C}$ during 26th -29th April.
- ❖ Gradual rise in maximum temperatures by $2\text{--}3^{\circ}\text{C}$ likely over Maharashtra till 25th April and no significant change during 26th -29th April.
- ❖ No significant change in maximum temperatures likely over Gujrat State on 23rd and gradual rise in maximum temperatures by $2\text{--}3^{\circ}\text{C}$ thereafter during 24th – 26th and gradual fall by $2\text{--}3^{\circ}\text{C}$ during 27th-29th April.
- ❖ No significant change in maximum temperatures likely over rest parts of the country.

Heat wave, Hot & Humid weather and Warm night conditions warning:

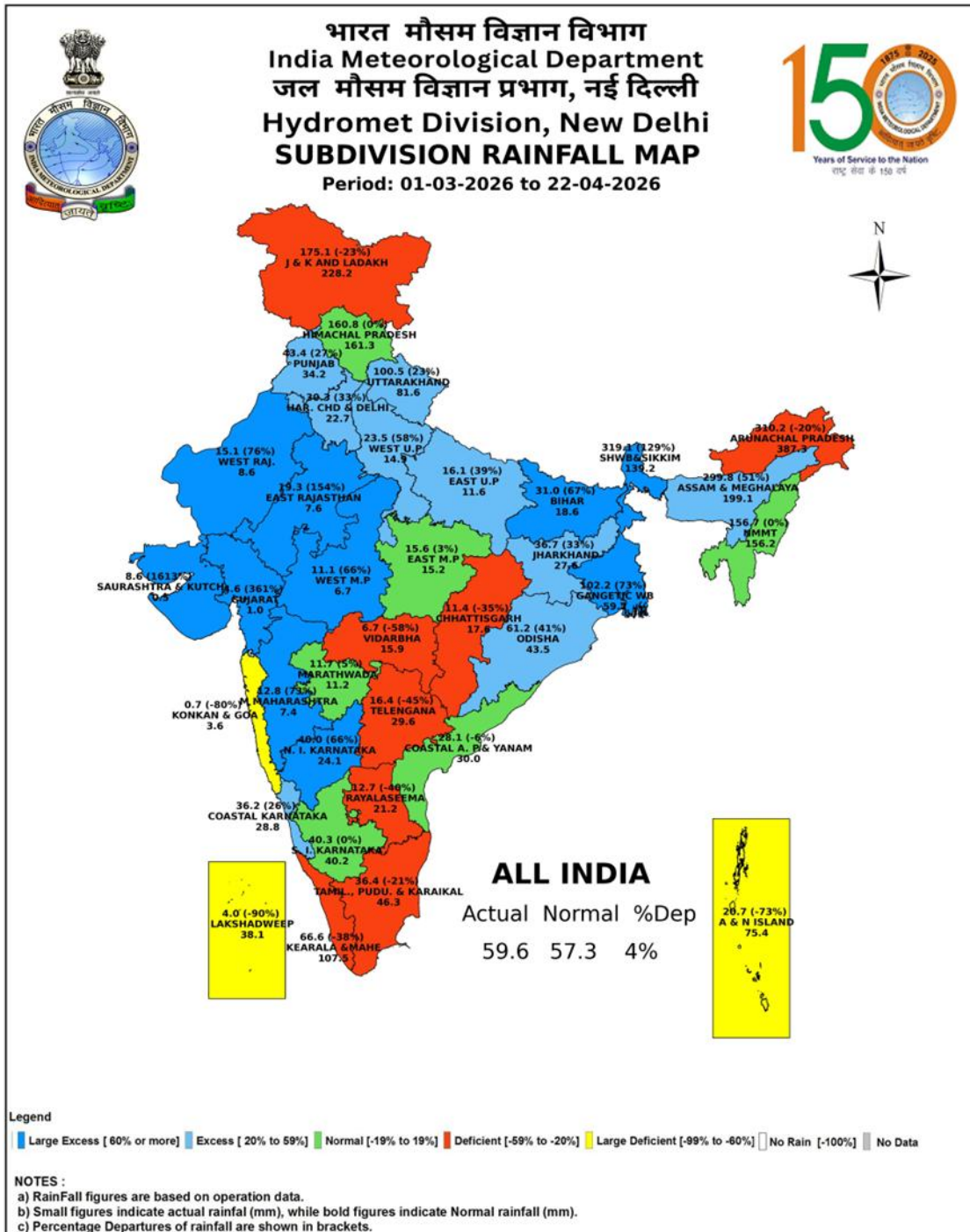
- ❖ **Heat wave conditions** very likely in isolated pockets of Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, Odisha, Jharkhand, Kerala on 23rd & 24th; Rajasthan during 23rd-29th; Madhya Pradesh during 23rd-27th; Gangetic West Bengal on 23rd; Bihar during 23rd-25th and East Uttar Pradesh, Vidarbha & Chhattisgarh during 24th-27th April.

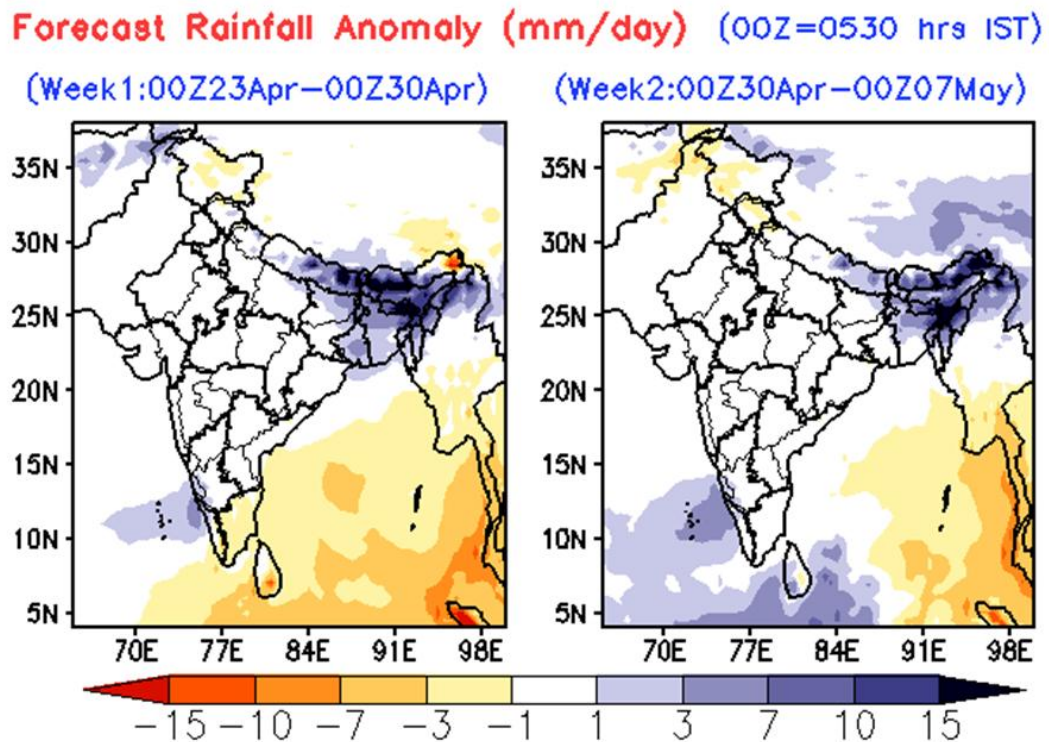
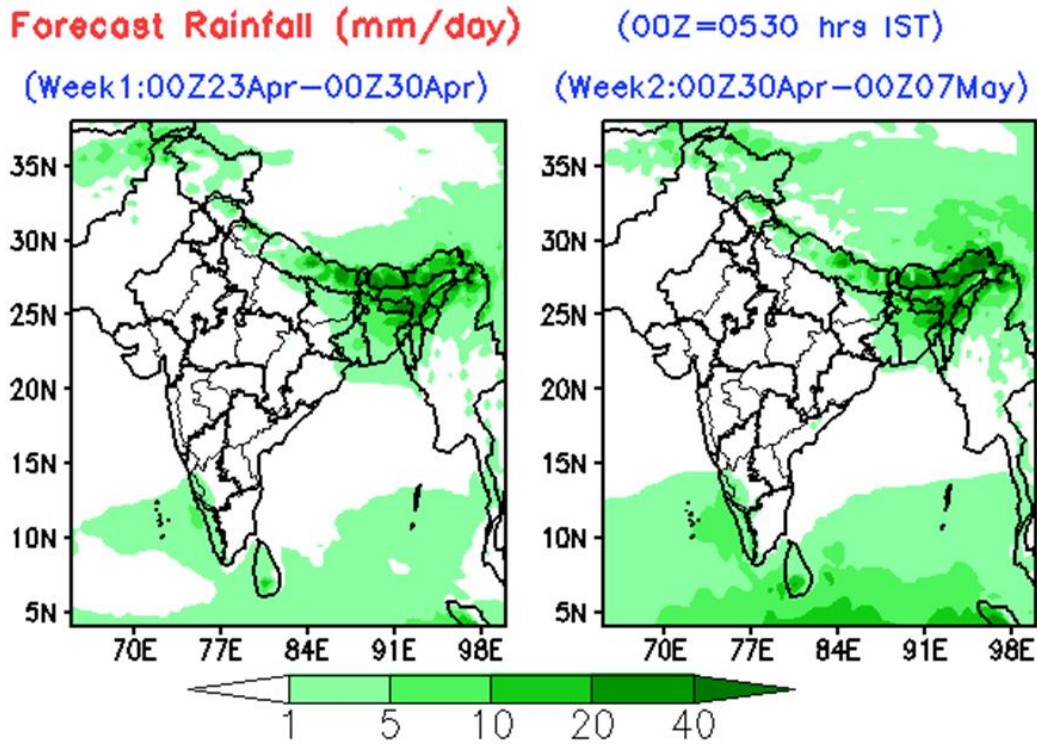
- ❖ **Hot & humid weather conditions** very likely to prevail in isolated pockets over Konkan, Gangetic West Bengal & Odisha during 23rd-25th; Tamil Nadu, Coastal Andhra Pradesh & Coastal Karnataka during 23rd-27th and coastal areas of Gujarat State on 24th & 25th April.
- ❖ **Warm night conditions** very likely to prevail in isolated pockets over Haryana, Chandigarh, Delhi during 23rd- 26th; West Uttar Pradesh & Odisha during 23rd-25th April.

Temperature forecast for Week 2 (30 April to 06 May 2026):

- ❖ Low Probability of Heatwave conditions likely during some days of week 2 over Rajasthan & adjoining Punjab & Haryana, Uttar Pradesh, Madhya Pradesh, Chhattisgarh, Odisha, & Vidarbha. Appreciably above normal (+3.1 to +5.0°C) maximum temperatures are likely over some parts of Jammu & Kashmir, and above-normal maximum temperatures (+1.6 to +3.0°C) are likely over most parts of Northwest & Central India, and many parts of the East & Northeast, and the West coast of India. Near-normal weekly maximum temperatures are likely in isolated places over the rest of the country (Annexure V).
- ❖ No warm night conditions are likely during week 2. However, above-normal minimum temperatures (+1.6 to +3.0°C) are likely over parts of Haryana, Uttar Pradesh, north Rajasthan & north Madhya Pradesh, and Maharashtra & Goa states. Near-normal weekly minimum temperatures are likely across the rest of the country (Annexure VI).

Advisories for likely impact and actions suggested for Heavy Rainfall/ High temperatures/ Heat Waves are provided in Annexure-VII.



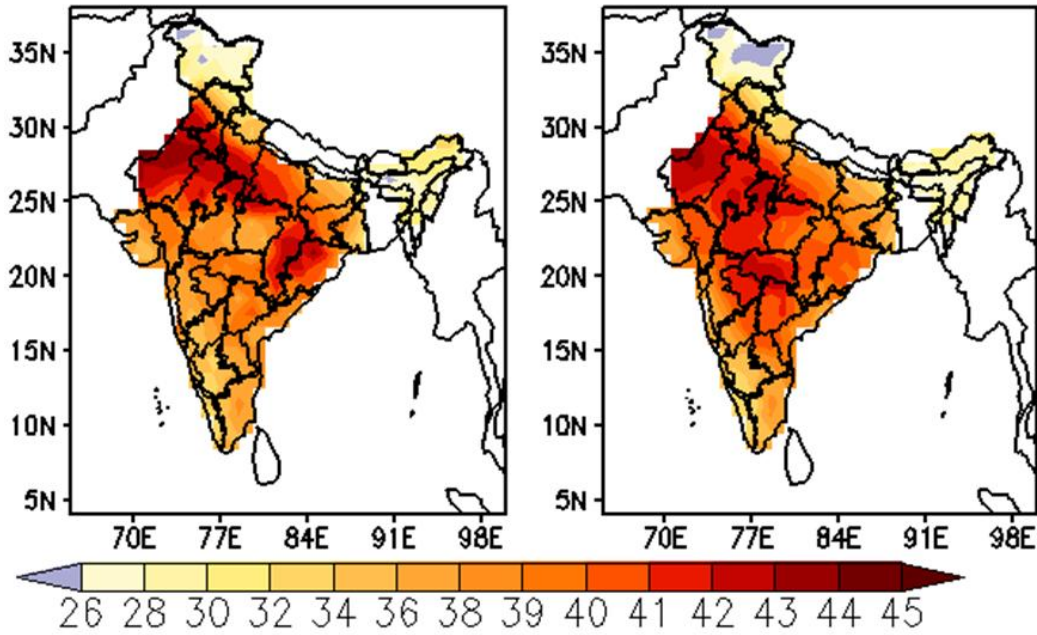


Extended range forecast of weekly distribution of rainfall in mm per day (top panel) and anomalies (lower panel) from IMD MME

MME Bias corrected forecast Tmax (Deg C)

(Week1: 24Apr-30Apr)

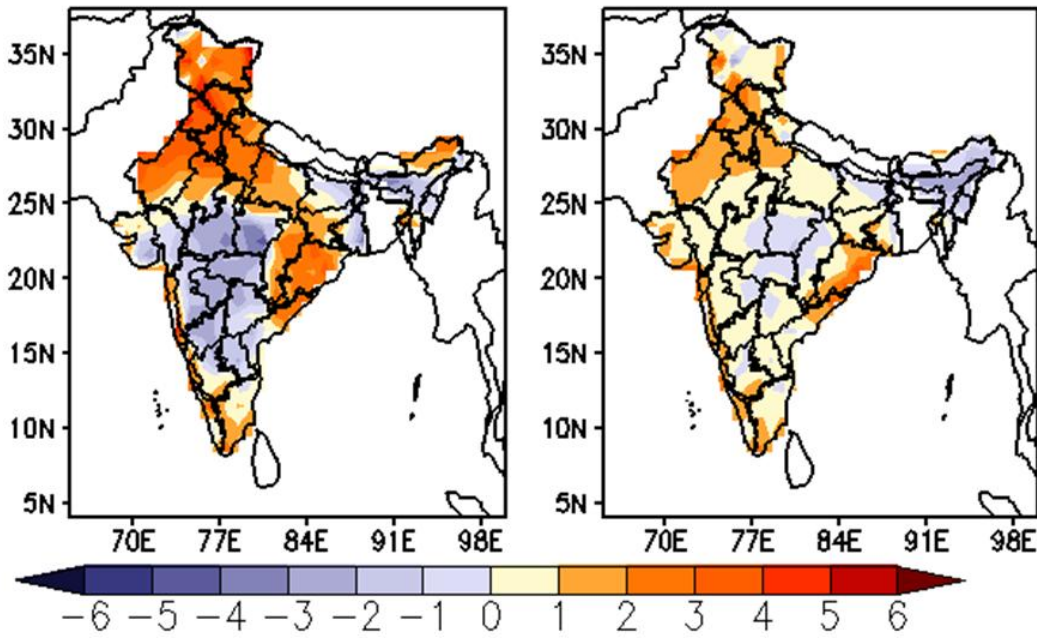
(Week2: 01May-07May)



MME forecast Tmax anomaly (Deg C)

(Week1: 24Apr-30Apr)

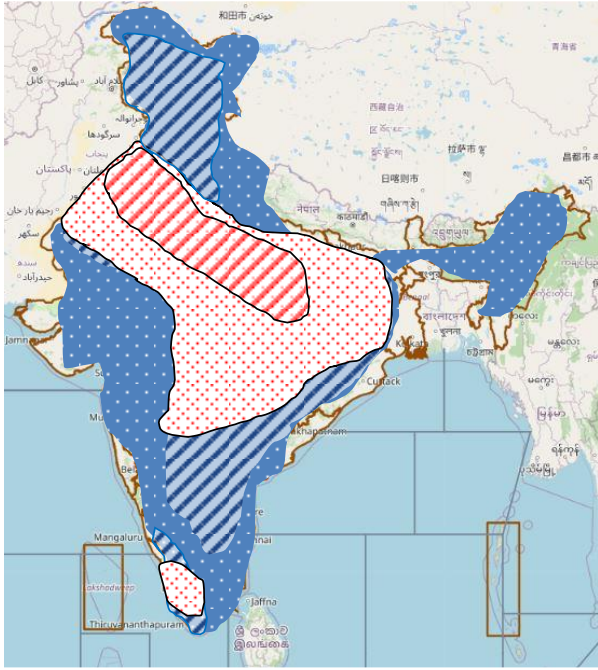
(Week2: 01May-07May)



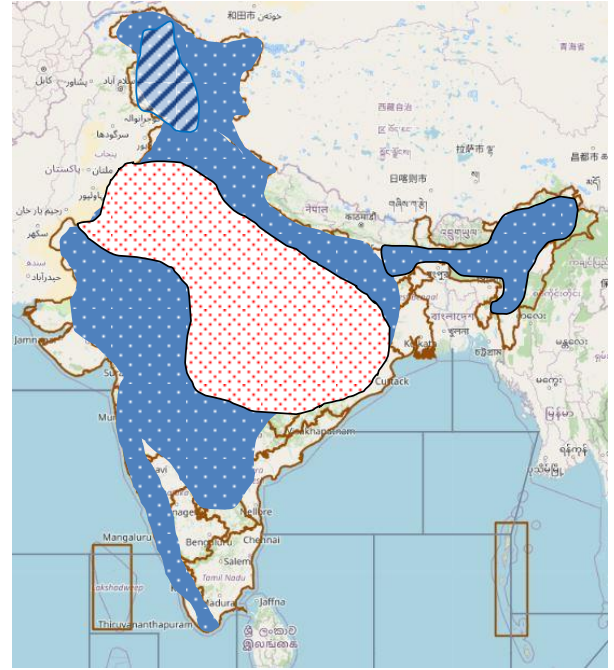
Extended range forecast of weekly distribution of Maximum Temperature in °C (top panel) and anomalies (lower panel) from IMD Bias Corrected Forecast

EXTENDED RANGE OUTLOOK FOR HEATWAVE & MAXIMUM TEMPERATURES

Week 1: 24.04.2026- 30.04.2026



Week2: 01.05.2026- 07.05.2026



PROBABILITY OF HEATWAVE

LOW (1-33% PROBABILITY)

MODERATE (34-67% PROBABILITY)

HIGH (68-100% PROBABILITY)

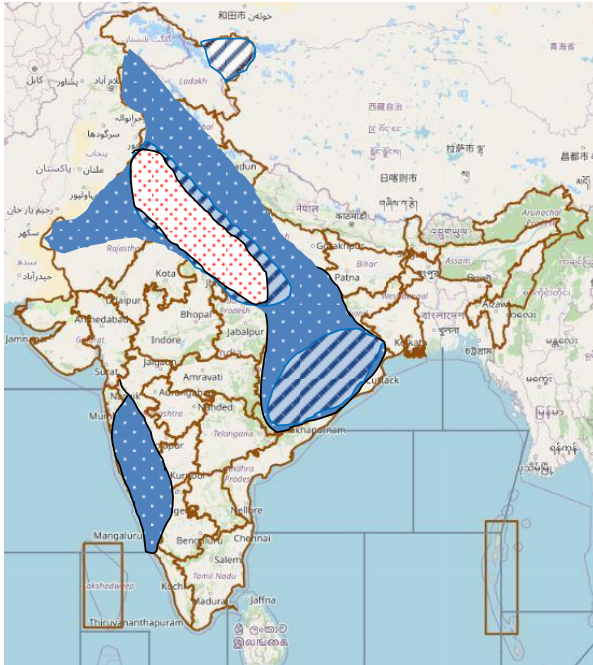
- Markedly Above Normal Maximum Temperatures (>+5.1°C)**
- Appreciably Above Normal Maximum Temperatures (+3.1 to +5.0°C)**
- Above Normal Maximum Temperatures (+1.6 to +3.0°C)**
- Normal Maximum Temperature (+1.5 to -1.5°C)**
- Below Normal Maximum Temperatures (-1.5 to -3.0°C)**
- Appreciably below Normal Maximum Temperatures (-3.1 to -5.0°C)**
- Markedly below Normal Maximum Temperatures (-5.1°C or lesser)**

CONFIDENCE

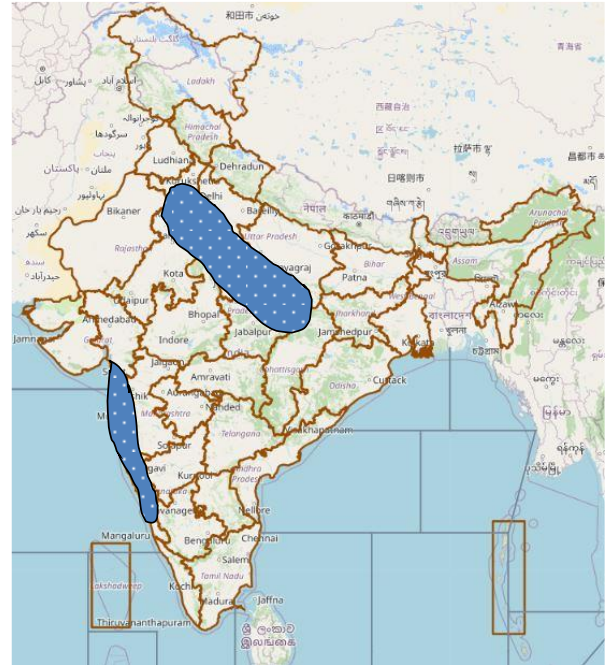


EXTENDED RANGE OUTLOOK FOR WARM NIGHT & MINIMUM TEMPERATURES

Week 1: 24.04.2026- 30.04.2026



Week2: 01.05.2026- 07.05.2026



PROBABILITY OF Warm Night

LOW (1-33% PROBABILITY)

MODERATE (34-67% PROBABILITY)

HIGH (68-100% PROBABILITY)

- Markedly Above Normal Minimum Temperatures (>+5.1°C)**
- Appreciably Above Normal Minimum Temperatures (+3.1 to +5.0°C)**
- Above Normal Minimum Temperatures (+1.6 to +3.0°C)**
- Normal to Below Normal Minimum Temperature (+1.5 to -1.5°C)**
- Below Normal Minimum Temperatures (-1.5 to -3.0°C)**
- Appreciably below Normal Minimum Temperatures (-3.1 to -5.0°C)**
- Markedly below Normal Minimum Temperatures (-5.1°C or less)**

CONFIDENCE



Impact expected and action suggested due to isolated thunderstorm with lightning/squally winds & Hailstorm over

- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Assam & Meghalaya during 25th-27th; Sub-Himalayan West Bengal & Sikkim on 25th; Bihar on 25th & 26th; Jharkhand on 26th & 27th; Gangetic West Bengal during 26th -28th April.
- ❖ Isolated **Hailstorm activity** likely over Madhya Maharashtra and Marathawada on 23rd & 24th and Jharkhand on 26th & 27th April.

Impact expected:

- ❖ Breaking of tree branches, uprooting of large avenue trees. Large dead limbs blown from trees. Damage to Standing crops.
- ❖ Minor to Major damage to banana and papaya trees.
- ❖ Minor to major damage to power and communication lines due to breaking of branches.
- ❖ Strong wind/hail may damage plantation, horticulture and standing crops.
- ❖ Hail may injure people and cattle at open places.
- ❖ Partial damage to vulnerable structures due to strong winds.
- ❖ Minor damage to kutcha houses/walls and huts.
- ❖ Loose objects may fly.

Action suggested:

- ❖ People are advised to keep a watch on the weather for worsening conditions and be ready to move to safer places accordingly.
- ❖ Stay indoors, close windows & doors and avoid travel if possible.
- ❖ Take safe shelters; do not take shelter under trees.
- ❖ Do not lie on concrete floors and do not lean against concrete walls.
- ❖ Unplug electrical/ electronic appliances.
- ❖ Immediately get out of water bodies.
- ❖ Keep away from all the objects that conduct electricity.

Impact Expected & Action Suggested due to heavy/very heavy rainfall over

- ❖ **Isolated heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim during 25th-27th; Arunachal Pradesh on 23rd & during 25th-29th; Assam & Meghalaya during 25th-29th; Nagaland, Manipur, Mizoram & Tripura on 28th & 29th; with isolated **very heavy rainfall** likely over Arunachal Pradesh during 27th -29th; Assam & Meghalaya during 26th -29th April.

Impact Expected

- ❖ Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas.
- ❖ Occasional reduction in visibility due to heavy rainfall.
- ❖ Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- ❖ Minor damage to kutcha roads.
- ❖ Possibilities of damage to vulnerable structure.
- ❖ Localized Landslides/Mudslides/landslips/mudslips/landsinks/mudsinks.

- ❖ Damage to horticulture and standing crops in some areas due to inundation.
- ❖ It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

Action Suggested

- ❖ Check for traffic congestion on your route before leaving for your destination.
- ❖ Follow any traffic advisories that are issued in this regard.
- ❖ Avoid going to areas that face the water logging problems often.
- ❖ Avoid staying in vulnerable structure.

Impact expected and action suggested due to Heat wave conditions very likely in isolated pockets of Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, Odisha, Jharkhand, Kerala on 23rd & 24th; Rajasthan during 23rd-29th; Madhya Pradesh during 23rd-27th; Gangetic West Bengal on 23rd; Bihar during 23rd-25th and East Uttar Pradesh, Vidarbha & Chhattisgarh during 24th-27th April.

Alert Areas

- ❖ High temperature & increased likelihood of heat illness symptoms in people who are either exposed to sun for a prolonged period or doing heavy work.
- ❖ High health concern for vulnerable people e.g. infants, elderly, people with chronic diseases.
- ❖ Avoid heat exposure– keep cool. Avoid dehydration.
- ❖ Drink sufficient water- even if not thirsty.
- ❖ Use ORS, homemade drinks like lassi, torani (rice water), lemon water, buttermilk, etc. to keep yourself hydrated.

Agromet advisories for likely impact of Hailstorms

- ❖ In **Madhya Maharashtra and Marathwada** use hail nets or hail caps in fruit orchards and vegetable plants to protect them from mechanical damage.
- ❖ Ensure effective field drainage to prevent waterlogging. Undertake picking of matured fruits at the earliest. Keep the harvested produce in safe places.

Agromet advisories for likely impact of Heavy Rainfall

- ❖ In **Arunachal Pradesh**, shift the harvested cabbage, pea, mustard, late-maturing paddy & potatoes produce to safe places. Ensure proper drainage in the fields of rice, maize, other standing crops, vegetables, and orchards.
- ❖ In **Assam and Meghalaya**, make necessary arrangements to remove excess rainwater from the crop fields.

Agromet advisories for likely impact of High temperatures/ Heat Waves

- ❖ **Maharashtra** - In **Konkan**, irrigate green gram, vegetables, and newly planted areca nut and coconut. In **Vidarbha**, apply need-based light and frequent irrigation to summer green gram, groundnut, onion, sunflower, sesame, fodder crops, orchards, and vegetables during cooler hours. Use straw mulch in vegetable and orchard crops to reduce evaporation, and install shade nets for newly planted crops.
- ❖ **Gujarat** - **Apply light and frequent irrigation to standing crops like cluster bean, cucumber, ridge gourd, bottle gourd, sponge gourd, and bitter gourd during morning or evening hours. Irrigate groundnut at the flowering and pegging stages.**

- ❖ **Odisha** - Provide light irrigation to paddy, summer maize, green gram, black gram, groundnut, and vegetable fields. Ensure adequate soil moisture is maintained in mango and cashew crops.
- ❖ **Madhya Pradesh** - Apply light irrigation to maize, *moong*, *urd*, groundnut and vegetable crops as per requirement.
- ❖ **Chhattisgarh** - Apply light irrigation after weeding and hoeing in *rabi* maize, banana, and papaya plantations. Complete harvesting of wheat and chickpea, and ensure safe storage.
- ❖ **Bihar** - Apply light and frequent irrigation to the standing crops. Carry out mulching with crop residue, straw or polythene to minimize the loss of soil moisture. Use temporary shade nets to protect the fruit plants from high temperatures.
- ❖ **Andhra Pradesh** - Provide light irrigation to maintain adequate moisture in standing crops such as paddy, *rabi* maize, sorghum, chickpea, groundnut, sesame, sugarcane, vegetables, and fruit orchards.
- ❖ **Punjab and Haryana** - Provide light irrigation to maintain adequate moisture in standing crops such as summer *moong*, cotton, vegetables, mango, guava & loquat.
- ❖ **Uttar Pradesh** - Provide light irrigation to maintain adequate moisture in standing crops such as hybrid maize, Zaid black gram, green gram, vegetables, and sugarcane.
- ❖ **Rajasthan** - Provide light irrigation to maintain adequate moisture in standing crops such as Zaid moong, American cotton & *Desi* cotton, okra, watermelon, muskmelon, tinda, cucumber & long melon.
- ❖ **Tamil Nadu** - Provide irrigation and mulching to reduce the evapotranspiration in sugarcane, cotton, banana and chilli.
- ❖ **Kerala** - Apply irrigation to banana plants and coconut palms. Ensure that there is enough moisture in the soil.
- ❖ **Gangetic West Bengal** - apply light irrigation to summer crops and vegetables to maintain soil moisture.
- ❖ Apply mulching to conserve soil moisture in the standing crops.

Agromet advisories for likely impact of Thunderstorm / Gusty Winds

- ❖ Shift the harvested produce in safer places or cover the produce with tarpaulin sheets in the fields. Tie the harvested crops securely and cover them to minimize the risk of displacement from strong surface winds.
- ❖ Provide mechanical support to horticultural crops and staking or support to vegetables and young fruit plants / fruit-bearing plants to avoid lodging due to strong winds.

Livestock / Poultry / Fisheries

- ❖ Keep the animals inside the shed during heavy rainfall and provide them balanced feed.
- ❖ Store feed and fodder in a safe place to prevent spoilage.
- ❖ Construct an outlet with proper netting around the ponds to drain excess water, thereby preventing fish from escaping in the event of overflow.

- ❖ In regions with high temperatures and heat waves, provide clean, hygienic, and ample drinking water for animals, and cover the roofs of poultry sheds with grass to reduce the adverse effects.