

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

Press Release: Dated: 02nd April 2026

Subject: Current Weather Status and Extended Range Forecast for the next two weeks (02 to 15 April 2026)

1. Salient Observed Features for the week ending 01st April 2026:

- ❖ In association of **two successive active Western Disturbances (26th – 29th March & 27th March – 1st April)**, light to moderate rainfall along with isolated thunderstorm activities prevailed over North India during the most days of the week with **Heavy to Very Heavy Rainfall** recorded at isolated places over Assam & Meghalaya on 28th March, and **Heavy rainfall** recorded at isolated places over Odisha on 26th March, Sub-Himalayan West Bengal & Sikkim on 27th & 28th March & 1st April, North Interior Karnataka on 28th March, Nagaland, Manipur, Mizoram & Tripura during 30th March – 1st April, Kerala & Mahe on 30th March, Jammu-Kashmir on 31st March, Assam & Meghalaya on 31st March & 1st April, South Interior Karnataka on 1st April.
- ❖ **Hailstorm** recorded at isolated places over Telangana, South Interior Karnataka on 26th March, Odisha, North Interior Karnataka on 26th & 27th March, Uttarakhand on 27th & 28th March, Gangetic West Bengal, Konkan & Goa on 27th March, Bihar on 28th March, Nagaland, Manipur, Mizoram & Tripura on 29th March, Haryana on 30th March & 1st April, West Madhya Pradesh during 30th March – 1st April, Madhya Maharashtra on 30th & 31st March, Jammu-Kashmir on 31st March, Himachal Pradesh, East Rajasthan on 31st March & 1st April, West Rajasthan, East Madhya Pradesh, Marathwada on 31st March, Punjab, West Uttar Pradesh, East Uttar Pradesh, Jharkhand on 1st April.
- ❖ **Thunderstorm accompanied with Squally/Gusty winds** prevailed at isolated places over Jammu-Kashmir on 26th, 27th, 29th & 31st March, Odisha, East Madhya Pradesh, Madhya Maharashtra, Marathwada during 26th March – 1st April, West Uttar Pradesh 26th & 31st March & 1st April, Chhattisgarh on 26th, 28th, 29th & 31st March, Konkan & Goa on 26th, 28th – 31st March & 1st April, Saurashtra & Kutch on 26th, 27th, 29th, 31st March & 1st April, Gujarat Region on 26th, 29th & 30th March & 1st April, Coastal Karnataka, South Interior Karnataka, Telangana on 26th March, North Interior Karnataka on 26th & 27th March, Sub-Himalayan West Bengal & Sikkim on 26th & 28th March, Gangetic West Bengal during 26th – 28th & 31st March & 1st April, Assam & Meghalaya on 26th, 28th –

30th March & 1st April, Nagaland, Manipur, Mizoram & Tripura, Arunachal Pradesh on 26th, 28th – 30th March & 1st April, Odisha during 27th – 31st March, Bihar on 27th & 28th March, West Madhya Pradesh during 27th – 31st March & 1st April, Jharkhand on 27th & 31st March & 1st April, Uttarakhand during 27th March – 1st April, Haryana on 27th, 28th & 31st March & 1st April, Himachal Pradesh on 27th, 29th & 31st March & 1st April, Coastal Andhra Pradesh & Yanam on 27th March, Tamil Nadu, Puducherry & Karaikal on 27th, 30th & 31st March & 1st April, Chhattisgarh on 28th March, Vidarbha on 28th & 30th March, Punjab on 29th March – 1st April, West Rajasthan on 30th March, East Uttar Pradesh on 31st March & 1st April, Chandigarh & Delhi on 1st April.

- ❖ **Weekly Average Maximum temperature** was above normal by 2-4°C over parts of north India during the first half of the week. It was below normal by 3-5 °C over northeast India, parts of east India, and nearly normal over remaining parts of the country during the week. **Weekly Average Minimum temperature** was above normal by 2-4°C over many parts of north, west, northwest & adjoining central, and east India, and near normal over remaining parts of the country during the week.
- ❖ **Temperature Scenario:** The lowest minimum temperature of **10.0°C** had been recorded at **BHATINDA (PUNJAB)** on **28th March, 2026** and the highest maximum temperature of **41.8°C** had been recorded at **AKOLA (VIDARBHA)** on **26th March and TITLAGARH (ODISHA)** on **30th March, 2026** over the plains of the country during the week.
- ❖ **Analysis of weekly overall rainfall distribution during the week ending on 01st April and the Pre-Monsoon Season's Rainfall Scenario (01.03.2026 to 01.04.2026):** The country as a whole, the weekly cumulative All India Rainfall (ending on 01st April) in % departure from its long period average (LPA) is 25%. All India Seasonal cumulative rainfall % departure during this year's Pre-Monsoon Season Rainfall (01.03.2026 to 01.04.2026) is 14%. 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		
	26.03.2026 TO 01.04.2026			01.03.2026 TO 01.04.2026		
	Actual (mm)	Normal (mm)	Departure (%)	Actual (mm)	Normal (mm)	Departure (%)
EAST & NORTHEAST INDIA	24.0	21.0	14%	105.7	63.7	66%
NORTHWEST INDIA	9.4	7.7	22%	37.2	48.4	-23%
CENTRAL INDIA	2.4	1.4	68%	8.3	8.0	3%
SOUTH PENINSULA	5.6	3.2	75%	20.9	16.1	30%
THE COUNTRY AS A WHOLE	8.6	6.9	25%	35.2	30.9	14%

2. Large-scale features:

- ❖ At present, weak La Niña conditions persisted, marked by sustained below-normal sea surface temperatures across the east-central and eastern equatorial Pacific. The latest forecasts from the Monsoon Mission Climate Forecast System (MMCFS) indicate that the transition to ENSO-neutral is most likely in the February-April 2026 season and thereafter.
- ❖ 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 February to April season and thereafter.
- ❖ Madden Julian Oscillation (MJO) index is currently in Phase 1 with an amplitude of less than 1. It is likely to exhibit rapid movement across phases 2, 3, 4, 5, & 6 during week 1 with amplitude remaining less than 1. At the end of week 1, the amplitude is likely to exceed 1 in phase 6. During the initial days of week 2, it is likely to migrate to Phase 7 with amplitude remaining greater than 1. It is likely to remain in Phase 7 for most days of week 2 and to move to Phase 8 by the end of week 2, with the amplitude remaining greater than 1.

3. Forecast for the next two weeks**Weather systems & associated Precipitation during Week 1 (02 to 08 April 2026) and Week 2 (09 to 15 April 2026)****Weather systems & associated Precipitation during Week 1 (02 to 08 April 2026):**

- ❖ The **Western Disturbance** lies over east Iran and adjoining Afghanistan between lower and upper tropospheric level.

- ❖ An **upper air cyclonic circulation** lies over East Rajasthan in lower tropospheric level.
- ❖ A **trough** runs from East Rajasthan to east central Arabian sea across Gujarat state in lower tropospheric level.
- ❖ A **trough** runs from east Jharkhand to south Chhattisgarh in lower tropospheric level.
- ❖ A **trough** runs from interior Tamil Nadu to central Konkan across Interior Karnataka in lower tropospheric level.
- ❖ An **upper air cyclonic circulation** lies over central Assam in lower tropospheric level.
- ❖ A fresh **Western Disturbance** is likely to affect Northwest India from 07th April, 2026.

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

Northwest India:

- ❖ **Fairly widespread to widespread** light to moderate rainfall with thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph) likely over Uttarakhand and Himachal Pradesh during 03rd -06th April; **Isolated to scattered** light to moderate rainfall with isolated thunderstorm, lightning & gusty winds (speed reaching 30-50 kmph) likely over East Rajasthan during 02nd; West Rajasthan during 02nd -04th and 06th; West Uttar Pradesh on 03rd April.
- ❖ Another fresh wet spell with **Scattered to fairly widespread** light to moderate rainfall/snowfall with isolated thunderstorm, lightning & gusty winds (speed reaching 30-50 kmph) likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Himachal Pradesh and Uttarakhand on 07th & 08th April; **Isolated to scattered** light to moderate rainfall with isolated thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph) likely over Punjab, Haryana Chandigarh & Delhi and Rajasthan on 07th & 08th April.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Punjab, Haryana Chandigarh & Delhi and East Rajasthan on 03rd & 04th; West Rajasthan on 03rd; Uttarakhand on 04th; Uttar Pradesh on 04th & 05th April.
- ❖ **Isolated hailstorm activity** also likely over Jammu-Kashmir on 03rd, 04th & 07th and Himachal Pradesh, Punjab, Haryana Chandigarh & Delhi on 03rd & 04th, Uttarakhand on 04th, West Uttar Pradesh on 04th & 05th, Rajasthan on 03rd on 04th April and East Uttar Pradesh on 5th April.
- ❖ **Isolated heavy rainfall** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 03rd & 04th April.

Northeast India:

- ❖ **Scattered to Fairly widespread** light to moderate rainfall with **thunderstorm, lightning gusty winds** (speed reaching 30-50 kmph) likely over Arunachal

Pradesh on 02nd, Assam & Meghalaya during 02nd -06th and Nagaland, Manipur, Mizoram & Tripura during 02nd -04th April with lightning over Arunachal Pradesh on 04th & 05th April.

- ❖ **Isolated heavy rainfall** likely over Arunachal Pradesh on 02nd and during 06th - 08th April; Assam & Meghalaya on 02nd, 05th & 06th April.

East India:

- ❖ **Isolated to Scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds** (speed reaching 40-50 kmph gusting to 60 kmph) likely over Andaman & Nicobar Islands on 02nd, West Bengal & Sikkim during 05th- 07th, Jharkhand on 04th; Odisha during next 5 days.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Bihar during 05th -08th; Jharkhand on 05th & 06th April.

Central India:

- ❖ **Isolated to scattered** light to moderate rainfall **with thunderstorm, lightning & gusty winds** (speed reaching 30-50 kmph) likely over Central India during next 5 days.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over West Madhya Pradesh on 03rd & 04th April.
- ❖ **Isolated Hailstorm activity** likely over Madhya Pradesh during 02nd -04th, Chhattisgarh on 04th April.

West India:

- ❖ **Isolated to scattered** light to moderate rainfall **with thunderstorm, lightning & gusty winds** (speed reaching 40-50 gusting to 60 kmph) likely over Madhya Maharashtra on 04th, Marathawada on 04th & 05th and Gujarat State during 02nd & 03rd April with lightning over coastal Maharashtra on 02nd April.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph) with isolated hailstorm activity** likely over Madhya Maharashtra and Marathawada on 02nd & 03rd April.

South Peninsular India:

- ❖ **Isolated** light to moderate rainfall **with thunderstorm, lightning & gusty winds** (speed reaching 30-50 gusting to 60 kmph) likely over Kerala & Mahe during 02nd -05th; Coastal Andhra Pradesh & Yanam, Telangana, Interior Karnataka during 02nd - 06th; Rayalaseema on 05th & 06th April; with **lightning** over Coastal Karnataka during 02nd -04th and Tamil Nadu, Puducherry & Karaikal during 03rd -06th April.

Precipitation for week 2 (09 to 15 April 2026):

- ❖ Under the influence of western disturbances, light/moderate precipitation at scattered to fairly widespread is likely over the Western Himalayan Region (WHR) during and adjoining plains during some days of the week.
- ❖ Under the influence of the trough and cyclonic circulation in lower tropospheric levels over east & northeast India, light/moderate scattered to fairly widespread precipitation with thunderstorm activity likely over Sub-Himalayan West Bengal & Sikkim and Northeast India during many days of the week.
- ❖ Heavy rainfall is likely over isolated places of Arunachal Pradesh and Sikkim during some days of week.
- ❖ Overall, thunderstorm activity is likely to continue over the northeast & adjoining east India during the week.
- ❖ Overall, rainfall is likely to be near normal to above normal over parts of northwest India and near normal over northeast India; it is likely to be below normal over the remaining parts of the country (Annexure III).

Temperature forecast for Week 1 (02 to 08 April 2026) and Week 2 (09 to 15 April 2026)

Temperature forecast for Week 1 (02 to 08 April 2026):

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

- ❖ **Maximum/day temperatures were in the range (36°C- 41°C):** at most places over Madhya Pradesh, Chhattisgarh, Marathwada, Vidarbha, Telangana, Rayalaseema ; at many places over Odisha , Madhya Maharashtra, coastal Andhra Pradesh, north interior Karnataka , Kerala, southeast Uttar Pradesh ; at isolated places over Gangetic West Bengal, Jharkhand, east Rajasthan and **in the range of (32°C- 36°C)** at many places over Rajasthan, , Gujrat state, west Uttar Pradesh, south interior Karnataka, Bihar, Delhi, Andaman & Nicobar Islands and below 32°C over remaining Parts of India. **The highest maximum temperature of 40.6°C is reported at Amravati (Maharashtra).**
- ❖ **Maximum Temperatures/day temperatures were appreciably above normal (3.1°C to 5.0°C)** at isolated places over Assam & Meghalaya; **above normal (1.6°C to 3.0°C)** at a few places over Coastal Karnataka, Lakshadweep; at isolated places over East Madhya Pradesh, East Rajasthan, Gangetic West Bengal, Jammu & Kashmir, Kerala & Mahe, Konkan & Goa, Odisha, Tamil Nadu, Puducherry & Karaikal, Vidarbha, West Madhya Pradesh, West Uttar Pradesh; **markedly below normal (- 5.1°C or less)** at isolated places over Nagaland, Manipur, Mizoram & Tripura, Saurashtra & Kutch; **appreciably below normal (- 3.1°C to -5.0°C)** at a few places over Arunachal Pradesh; at isolated places over Assam & Meghalaya, Gangetic West Bengal, Haryana-Chandigarh-Delhi, Madhya

Maharashtra, Sub Himalayan West Bengal & Sikkim, West Rajasthan; **below normal (-3.0°C to -1.6°C)** at a few places over Gujarat Region, Telangana; at isolated places over Andaman & Nicobar Islands, Bihar, Coastal Andhra Pradesh & Yanam, East Madhya Pradesh, East Rajasthan, East Uttar Pradesh, Himachal Pradesh, Odisha, Tamil Nadu, Puducherry & Karaikal, Uttarakhand, West Madhya Pradesh, West Uttar Pradesh.

❖ **Minimum/night temperatures** were in the range of **12–18°C** over Himachal Pradesh, Punjab, Haryana, Sikkim, Assam & Meghalaya. They were in the range of **18–25°C** over remaining parts of the plains of the country. **Today, the lowest minimum temperature of 16.0 °C was observed at Bareilly (West Uttar Pradesh) over the plains of India.**

❖ **Minimum/night Temperature** were **appreciably above normal (3.1°C to 5.0°C)** over Himachal Pradesh, Madhya Pradesh **above normal (1.6°C to 3.0°C)** over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad , Punjab, Haryana, Chandigarh, Uttar Pradesh, West Rajasthan, Gujarat Region, Madhya Maharashtra, Bihar, Jharkhand, Gangetic West Bengal, Odisha, Assam & Meghalaya , Chhattisgarh; **below normal (-3.0°C to -1.6°C)** over Marathawada, Vidarbha, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and near normal over rest parts of the country.

Hot & Humid weather Warnings:

❖ **Hot & humid conditions** very likely to prevail in isolated pockets over Kerala on 02nd; Gangetic West Bengal & Odisha during 02nd -04th April.

Forecast of maximum/day temperatures:

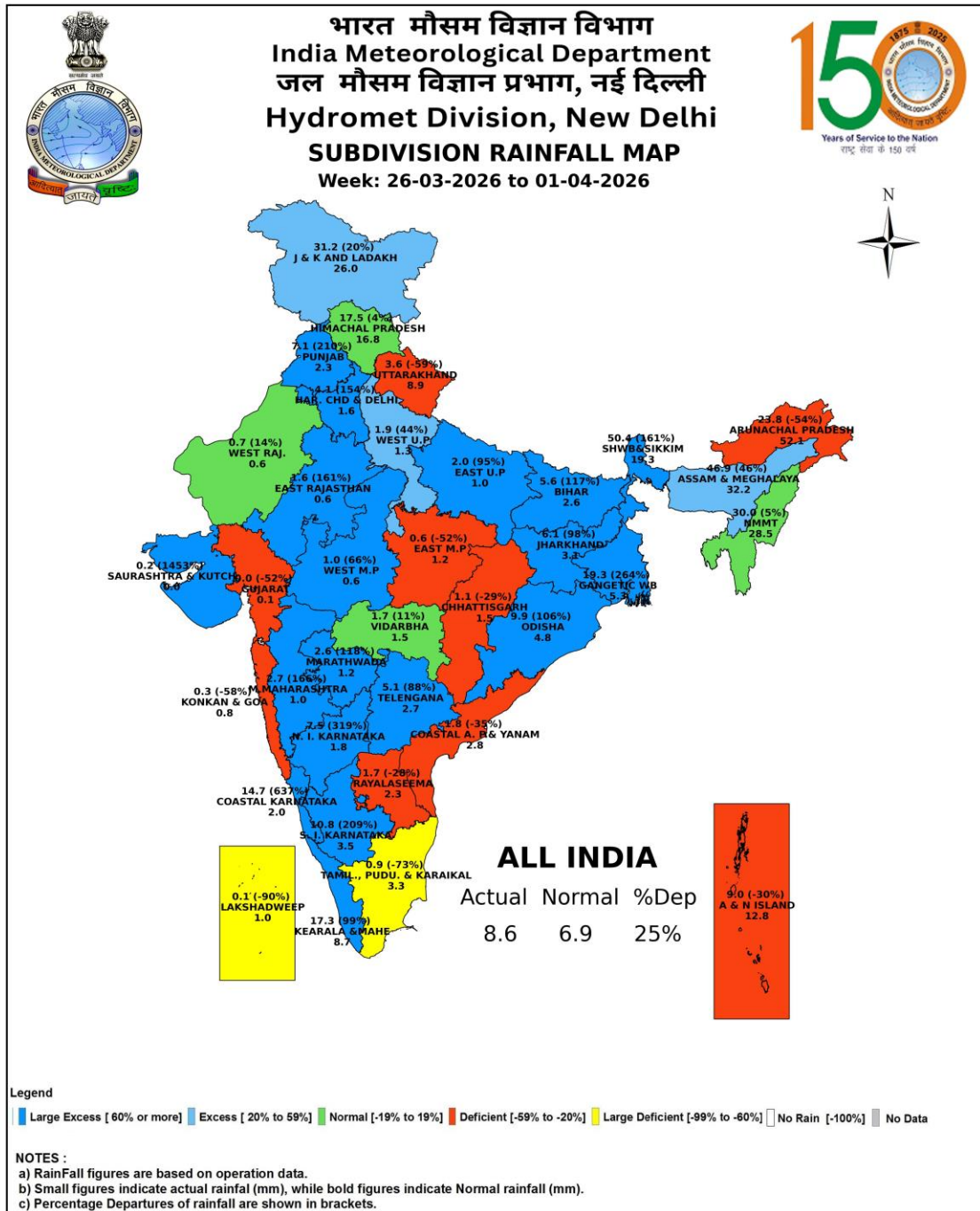
- ❖ Gradual rise in maximum temperatures by 2-3°C likely over Northwest India till 02nd April; gradual fall by 3-5°C on 03rd & 04th April and no significant change thereafter during 05th – 08th. However, it will remain normal to below normal till 06th April, 2026.
- ❖ Gradual fall in maximum temperatures by 2-4°C likely over Central India till 04th April and no significant change during 05th -08th April.
- ❖ Gradual rise in maximum temperatures by 2-3°C likely over East India till 05th April and no significant change during 06th -08th April.
- ❖ Gradual rise in maximum temperatures by 2-4°C likely over Northeast India till 02nd April and no significant change in maximum temperatures during 03rd - 08th April.
- ❖ Gradual fall in maximum temperatures by 2-4°C likely over Maharashtra till 05th April; gradual rise by 2-4°C during 06th –08th April.
- ❖ Gradual fall in maximum temperatures by 2-4°C likely over Gujarat State till 02nd April and no significant change during 03rd-08th April.

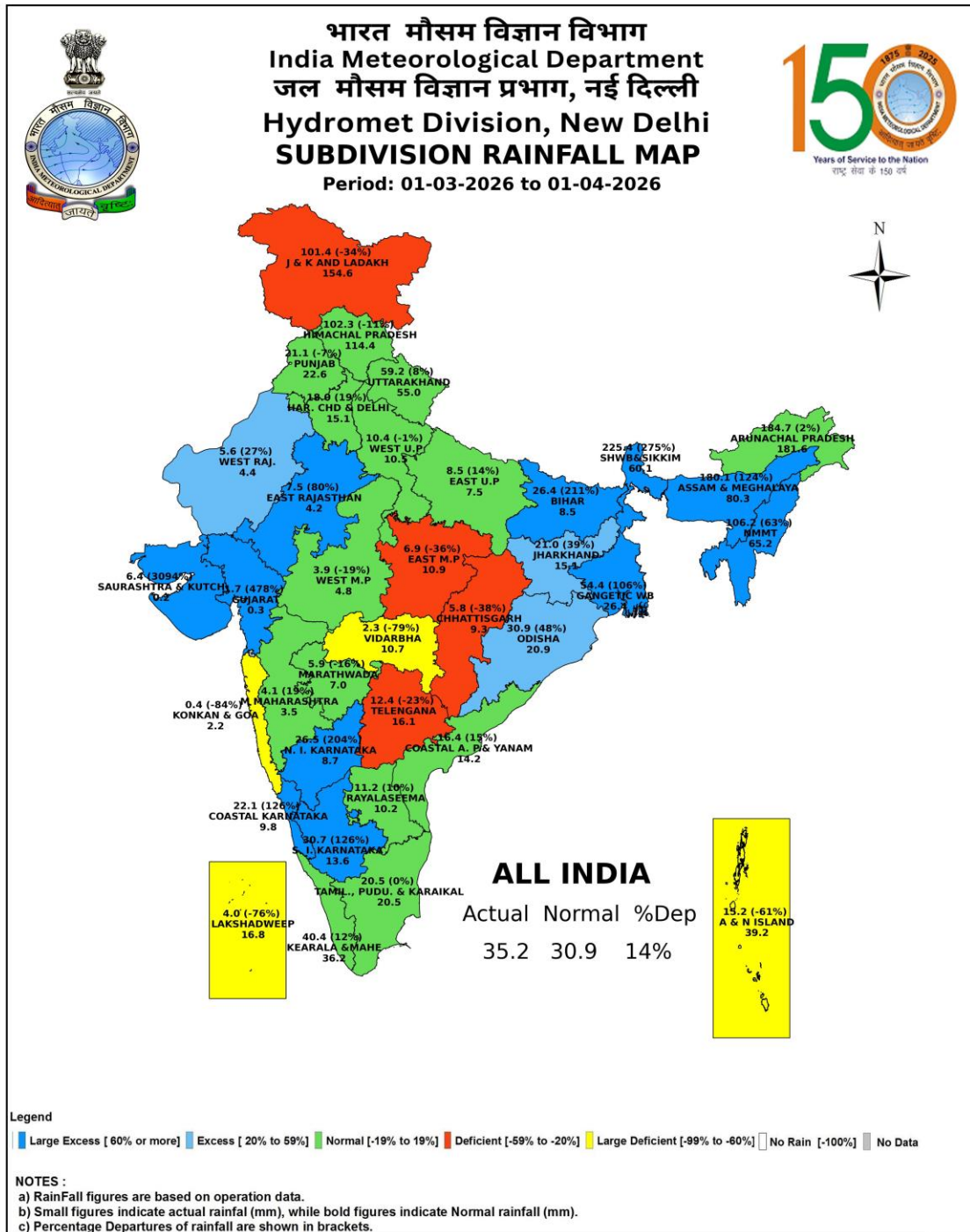
- ❖ No significant change in maximum temperatures likely over rest parts of the country.

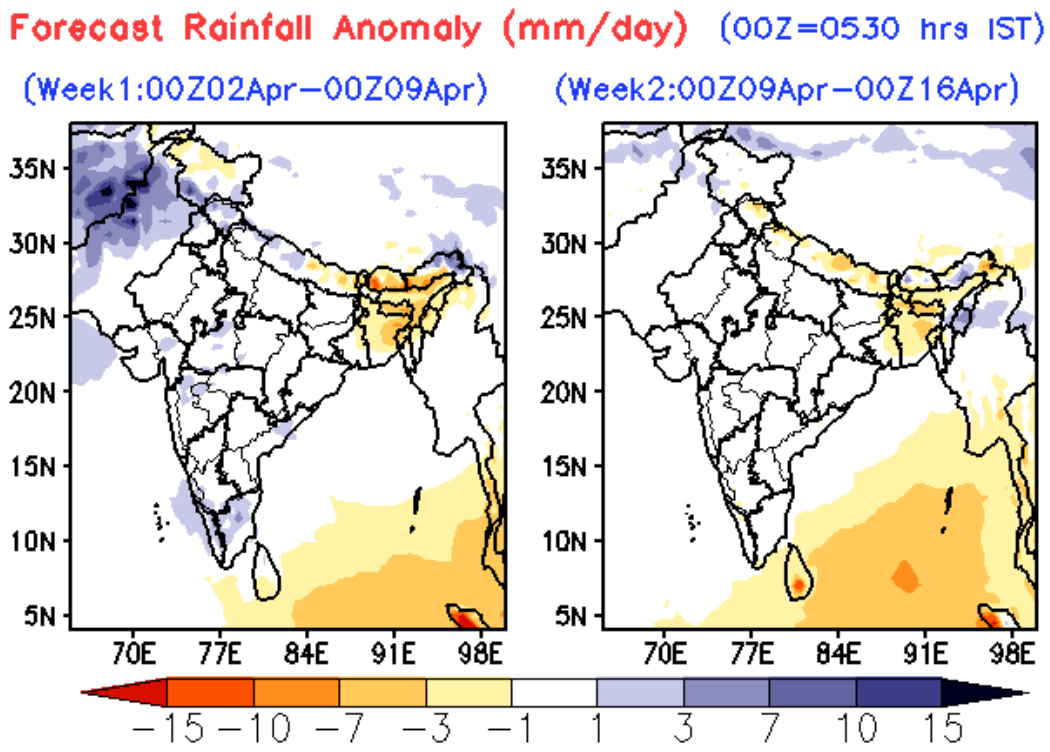
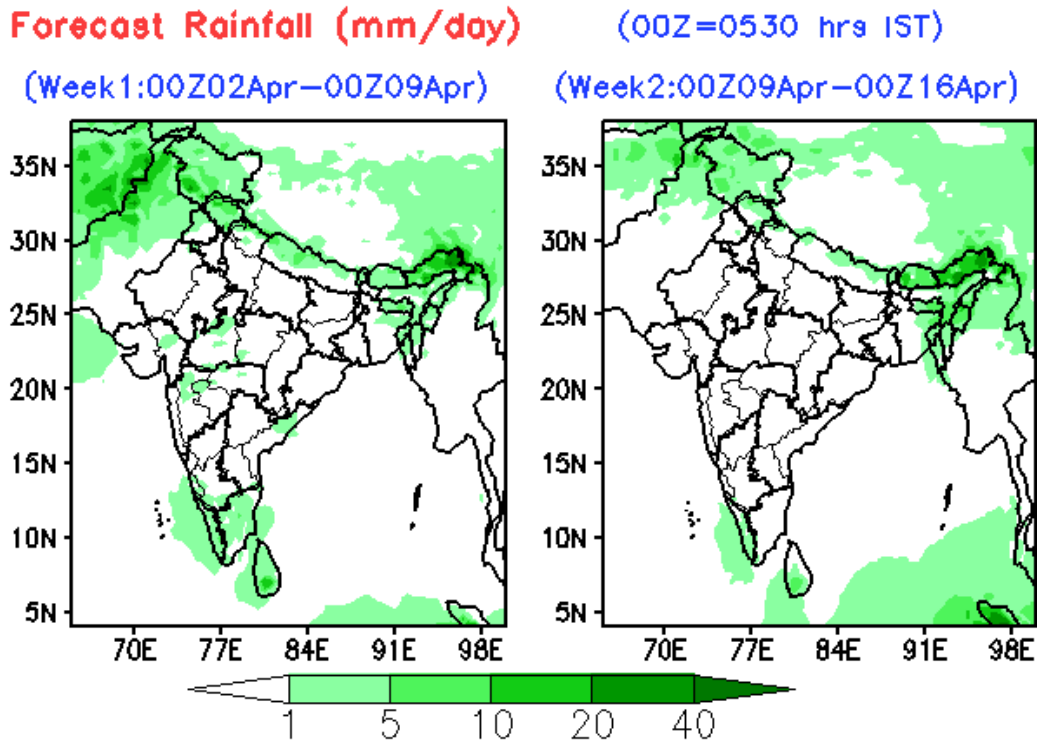
Temperature forecast for Week 2 (09 to 15 April 2026):

- ❖ **Low Probability of Heat Wave conditions likely during the second half of week 2 over Coastal Odisha and adjoining north Coastal Andhra Pradesh.** Appreciably above normal (+3.1 to +5.0°C) maximum temperatures are likely over some parts of interior & coastal Odisha and adjoining Coastal Andhra Pradesh; normal to above-normal maximum temperatures ((+1.6 to +3.0°C) are likely over some parts of the East, South and Western parts of India (Gangetic West Bengal, Odisha, Coastal Andhra Pradesh, Tamil Nadu, southern parts of Kerala, coastal regions of Gujarat state, Konkan, Goa and coastal Karnataka). Normal to below-normal weekly maximum temperatures are likely across 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 Ladakh, Tamil Nadu, Kerala, Coastal Andhra Pradesh, and some parts of Rayalaseema & southern Karnataka. Normal to below-normal weekly minimum temperatures are likely across the rest of the country (Annexure VI).

Impact expected and action suggested due to Thunderstorms/ Hailstorms/ Lightning, squally winds, Heavy rainfall, Hot & Humid weather, Heat Waves and above normal temperatures along with respective Agromet advisories are given in Annexure VII.





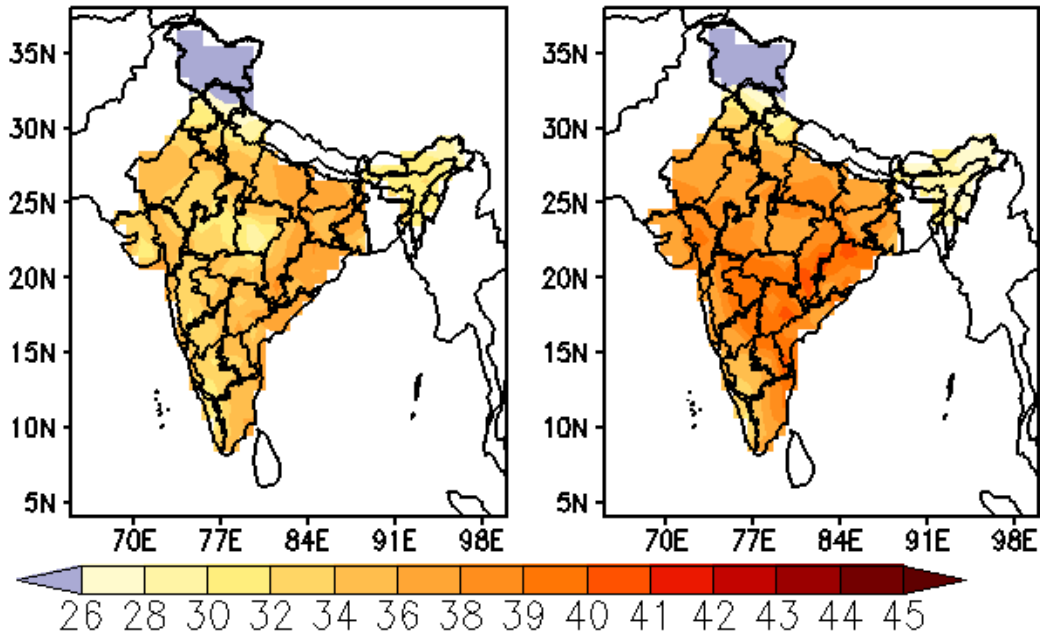


Extended range forecast of weekly distribution of rainfall in mm per day (top panel) and anomalies (lower panel) from IMD MME

MME Bias corrected forecast Tmax (Deg C)

(Week1: 03Apr-09Apr)

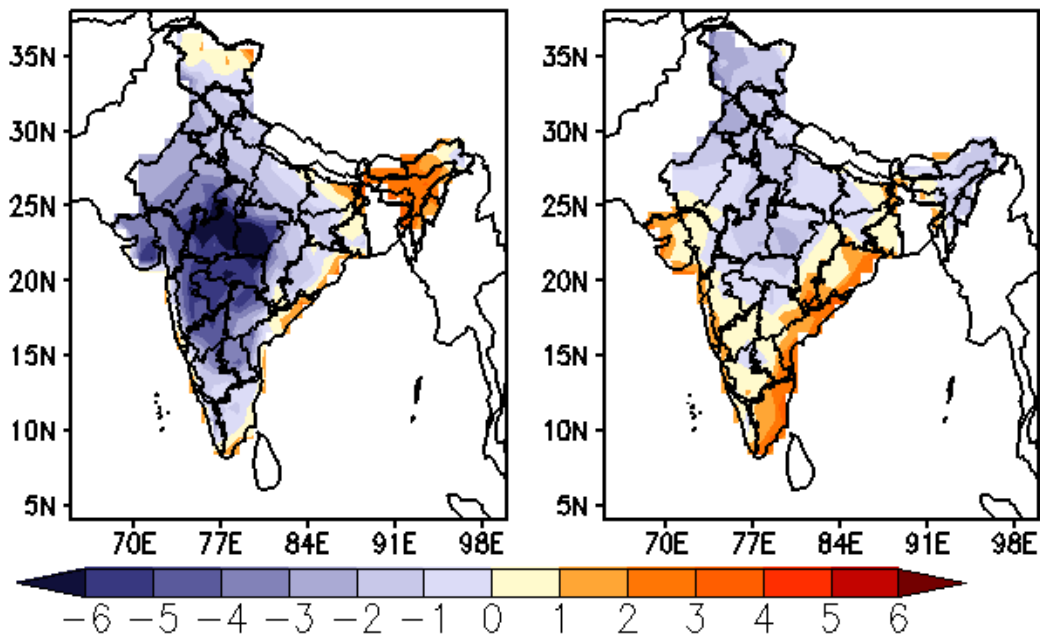
(Week2: 10Apr-16Apr)



MME forecast Tmax anomaly (Deg C)

(Week1: 03Apr-09Apr)

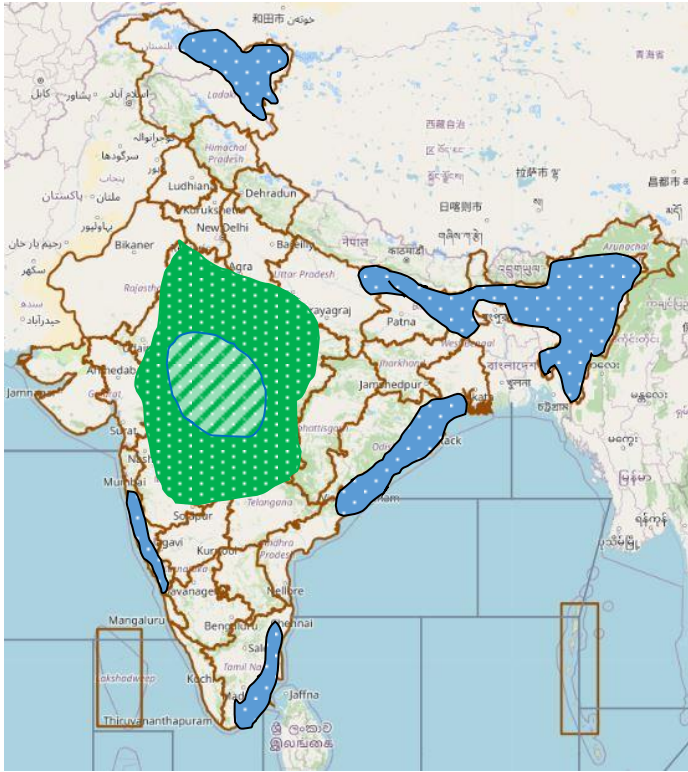
(Week2: 10Apr-16Apr)



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: 03.04.2026- 09.04.2026



Week2: 10.04.2026- 16.04.2026



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)

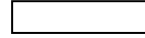
Normal Maximum Temperature (+1.5 to -1.5°C)

Below Normal Maximum Temperatures (-1.5 to -3.0°C)

Appreciably below Normal Maximum Temperatures (-3.1 to -5.0°C)

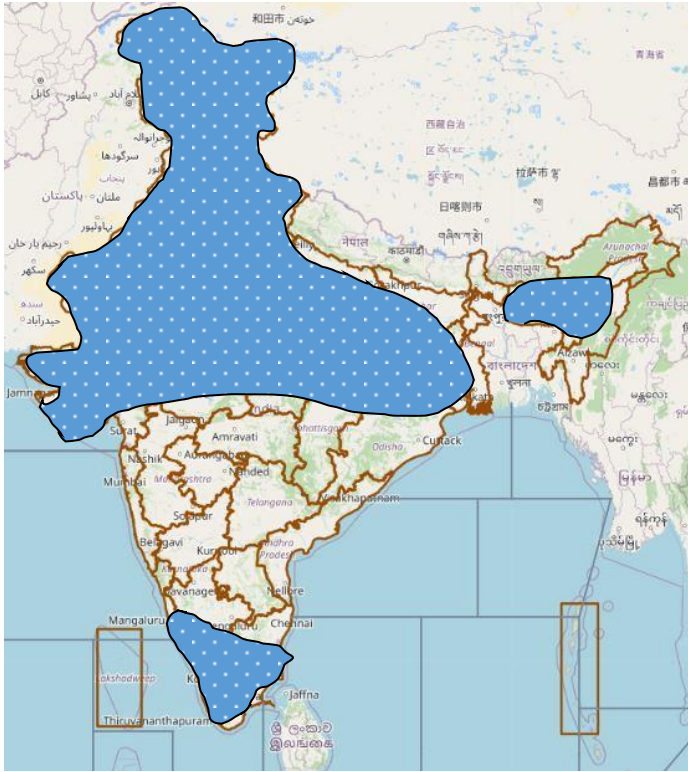
Markedly below Normal Maximum Temperatures (-5.1°C or lesser)

CONFIDENCE



EXTENDED RANGE OUTLOOK FOR WARM NIGHT & MINIMUM TEMPERATURES

Week 1: 03.04.2026- 09.04.2026



Week2: 10.04.2026- 16.04.2026



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

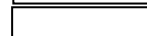
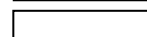
Normal Maximum Temperature (+1.5 to -1.5°C)

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



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 Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Punjab, Haryana Chandigarh & Delhi and East Rajasthan on 03rd & 04th; West Rajasthan on 03rd; Uttarakhand on 04th; Uttar Pradesh on 04th & 05th April; Bihar during 05th -08th; Jharkhand on 05th & 06th; over West Madhya Pradesh on 03rd & 04th; over Madhya Maharashtra and Marathwada on 02nd & 03rd April.
- ❖ **Isolated hailstorm activity** also likely over Jammu-Kashmir on 03rd, 04th & 07th and Himachal Pradesh, Punjab, Haryana Chandigarh & Delhi on 03rd & 04th, Uttarakhand on 04th, West Uttar Pradesh on 04th & 05th, Rajasthan on 03rd on 04th April and East Uttar Pradesh on 5th; over Madhya Pradesh during 02nd -04th, Chhattisgarh on 04th 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 rainfall over

- ❖ **Isolated heavy rainfall** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 03rd & 04th; over Arunachal Pradesh on 02nd and during 06th - 08th April; Assam & Meghalaya on 02nd, 05th & 06th 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.

Agromet advisories for likely impact of Hailstorms:

- ❖ Use hail nets or hail caps in fruit orchards and vegetable plants to protect them from mechanical damage in **Madhya Pradesh, Madhya Maharashtra, Marathwada, Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Rajasthan, Uttar Pradesh** and **Chhattisgarh**.
- ❖ Undertake harvesting of mature crops immediately and shift them to safer places.

Agromet advisories for likely impact of Heavy Rainfall:

- ❖ In **Arunachal Pradesh**, undertake harvesting of cabbage, pea, mustard and late-maturing paddy varieties and digging of potatoes. Shift the harvested produce to safe places. Maintain proper drainage channels in the fields of rice, maize, other standing crops, vegetables and orchards.
- ❖ In **Assam**, drain out excess rainwater from the standing crop fields.
- ❖ In **Meghalaya**, ensure proper drainage in summer vegetable crops. Carry out staking and propping of plantation crops and protect young seedlings from heavy rainfall. Keep the harvested pods of garden peas in safer place immediately.

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 properly and cover them to minimize the risk of displacement due to 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.

Likely Impact of Forecasted Rainfall in Agriculture

- ❖ Flower drop, poor pollination and reduced grain setting in rice, maize, green gram, black gram and vegetables (tomato, chilli, brinjal) due to rains over east, east-central and peninsular India.
- ❖ Lodging, grain discoloration and deterioration in grain quality in wheat, mustard, chickpea and lentil over northwest and central India.
- ❖ Poor root aeration, nutrient leaching and higher incidence of pests and diseases in rice, maize and vegetable crops over eastern and coastal regions.
- ❖ Rainfall during flowering and fruiting stages of horticultural crops like mango and banana may lead to flower drop, fruit damage and reduced quality over peninsular India.

Agromet Advisories in view of the rainfall forecast

- ❖ Provide adequate drainage in standing crops like rice, maize, and vegetables, to avoid waterlogging in the east and coastal regions.
- ❖ Complete harvesting of mature crops like wheat, mustard, chickpea, and lentil, and ensure safe storage to minimize losses due to rainfall over northwest and central India.
- ❖ Undertake protective irrigation during dry spells in rainfed crops such as maize, pulses, and oilseeds over central and northwest India.
- ❖ Apply mulching and adopt soil moisture conservation practices to manage rainfall variability.
- ❖ Avoid sowing, spraying, and harvesting operations during rainfall events and plan agricultural activities based on weather forecasts.

Impact Expected & Action Suggested due to above normal temperatures in Agriculture

Impact Expected:

- ❖ Significant heat stress during reproductive stages of Boro rice, maize, green gram, black gram and vegetables (tomato, chilli, brinjal), leading to poor grain setting, flower drop and reduced yields in east, northwest and southern peninsular India.
- ❖ Accelerated maturity of late-sown wheat, chickpea and lentil, resulting in reduced grain filling duration and reduced yield in east and east-central.

- ❖ Terminal heat stress in late-sown wheat, mustard and barley, leading to shrivelled grains and reduced productivity in northwest India.
- ❖ Mild heat stress may affect horticultural crops like mango and banana, causing limited flower and fruit drop over coastal and peninsular regions (Tamil Nadu, Kerala, Konkan & Goa and coastal Karnataka).
- ❖ Reduced pod filling and grain formation in crops, along with increased flower and fruit drop in mango and banana, particularly over southern peninsular India.
- ❖ Relatively favorable temperature conditions over central India and adjoining north peninsular regions may support normal crop growth and grain filling in wheat, pulses, and oilseeds.

Action Suggested:

- ❖ Provide light and frequent irrigation to standing crops at critical growth stages (flowering and grain filling) in rice, maize, pulses and oilseeds, particularly over east, east-central and peninsular India.
- ❖ Complete harvesting of wheat and mustard at the earliest to minimize losses due to terminal heat stress in northwest India.
- ❖ Apply mulching to conserve soil moisture and suppress weeds around the crop root zone.
- ❖ Avoid field operations during peak afternoon hours.

Livestock / Poultry

- ❖ Keep the animals inside the shed during Heavy Rainfall/Hailstorm period and provide them balanced feed. Store feed and fodder in a safe place to prevent spoilage.