

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

Press Release: Dated: 21 May 2026

Subject: Current Weather Status and Extended Range Forecast for the next two weeks (21 May to 03 June 2026)

1. Salient Observed Features for the week ending 20 May 2026:

❖ **Advance of Southwest Monsoon – 2026:** The southwest monsoon advanced into some parts of southeast Arabian Sea, southwest and southeast Bay of Bengal, many parts of Andaman Sea, entire Nicobar Islands and some parts of Andaman Islands including Sri Vijaya Puram on 16th May. During 15th & 16th May (a) there had been widespread rainfall activity over Nicobar Islands & adjoining areas of Andaman Islands (b) the strength of westerlies over the region had increased and was around 35 kmph gusting to 45 kmph (c) the strength of westerlies over the region extended upto 4.5 km above mean sea level (d) the Outgoing Longwave Radiation (OLR) over the region was less than 200 W/m² indicating persistent convective cloud mass over the region. Thus, all the criteria were satisfied for advance of southwest monsoon over the region on 16th May.

It further advanced into some more parts of southeast Arabian Sea, some parts of Comorin area, some more parts of southwest and southeast Bay of Bengal, most parts of Andaman Sea, entire Andaman & Nicobar Islands and some parts of eastcentral Bay of Bengal on 18th May.

❖ **Last week's Well-Marked Low Pressure Area** over southwest & adjoining westcentral Bay of Bengal persisted over the same region on 14th & 15th May. It lay as a Low Pressure Area over the same region at 0830 hrs IST of 16th May and became less marked at 1730 hrs IST of the same day.

❖ **Last week's heat wave spell continued to prevail over North India during the week: Heat Wave to Severe Heat Wave** conditions prevailed in isolated pockets over Saurashtra & Kutch on 14th May, East Uttar Pradesh on 19th & 20th May and **Heat Wave** conditions over Vidarbha during 14th – 20th May, West Rajasthan on 14th, 15th & 19th May, East Rajasthan on 14th & 19th May, Madhya Maharashtra, Marathwada on 14th & 15th May, West Madhya Pradesh during 14th – 20th May, Saurashtra & Kutch on 15th & 16th May, East Madhya Pradesh, Jammu Division, West Uttar Pradesh on 19th & 20th May, Punjab, Haryana-Chandigarh-Delhi on 20th May.

- ❖ **Extremely heavy rainfall** recorded at isolated places over Assam & Meghalaya on 15th May. **Heavy to Very Heavy Rainfall** recorded at isolated places over Sub-Himalayan West Bengal & Sikkim on 14th & 16th – 18th May, Assam & Meghalaya on 16th & 18th May, Tamil Nadu, Puducherry & Karaikal on 19th May. **Heavy rainfall** recorded at isolated places over Odisha on 14th, 17th & 19th May, North Interior Karnataka on 14th, 15th & 18th May, Assam & Meghalaya on 14th May, Arunachal Pradesh on 15th, 18th & 19th May, Coastal Karnataka on 15th & 17th May, Sub-Himalayan West Bengal & Sikkim on 15th May, Tamil Nadu, Puducherry & Karaikal during 16th – 18th & 20th May, Chhattisgarh on 16th May, Kerala & Mahe on 17th & 18th May, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa on 18th May, Lakshadweep on 19th May.
- ❖ **Hailstorm** recorded at isolated places over Jammu-Kashmir-Ladakh on 14th & 16th May, Uttarakhand on 14th, 16th & 20th May, Punjab on 14th & 15th May, East Madhya Pradesh on 14th & 16th May, Uttar Pradesh, West Rajasthan, Haryana & Delhi, Madhya Maharashtra, Marathawada on 14th May, Odisha on 17th & 19th May, Chhattisgarh on 17th May, Telangana on 20th May.
- ❖ **Thunderstorm accompanied with Squally/Gusty winds** prevailed at isolated places over Nagaland, Manipur, Mizoram & Tripura during 14th – 16th & 18th May, Arunachal Pradesh on 14th & 15th May, Assam & Meghalaya on 14th, 15th & 17th – 19th May, Jammu-Kashmir-Ladakh during 14th – 16th & 18th May, Himachal Pradesh, Kerala & Mahe on 14th & 20th May, Uttarakhand on 14th, 15th, 17th & 18th May, Punjab, Bihar on 14th, 15th & 17th – 19th May, Haryana during 14th – 16th & 18th – 20th May, West Uttar Pradesh on 14th, 15th, 18th, 19th & 20th May, East Uttar Pradesh, South Interior Karnataka on 14th & 18th May, Andaman & Nicobar Islands, Madhya Maharashtra during 14th – 20th May, Jharkhand during 14th – 16th, 19th & 20th May, Odisha on 14th, 16th – 18th & 20th May, Saurashtra & Kutch on 14th, 15th, 17th, 18th & 20th May, Gujarat Region, Chhattisgarh on 14th, 15th, 17th & 18th May, West Madhya Pradesh, Marathwada, Konkan & Goa, Vidarbha during 14th – 18th May, East Madhya Pradesh during 14th – 19th May, North Interior Karnataka on 14th, 18th & 20th May, Gangetic West Bengal during 14th – 16th & 19th May, East Rajasthan on 14th & 15th May, Telangana, Chandigarh & Delhi on 14th May, Sub-Himalayan West Bengal & Sikkim during 15th – 18th May, West Rajasthan on 15th May, Assam & Meghalaya on 16th May, Tamil Nadu, Puducherry & Karaikal during 17th – 19th May, Coastal Karnataka on 18th May, Coastal Andhra Pradesh & Yanam on 20th May.
- ❖ **Weekly Average Maximum temperature** was below normal by 2-4°C over parts of east, northeast and southeast peninsular India during first half of the week, and above normal by 2-4°C over many parts of north and northwest India, above normal by 1-3°C over parts of west and central India during second half of the

week. It was 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 west, north, northwest, central and east India, and nearly normal over remaining parts of the country during the week.

- ❖ **Temperature Scenario:** The lowest minimum temperature of **17.0°C** had been recorded at **Halfong (Assam)** on **15th, 17th and 18th May, 2026** and the highest maximum temperature of **48.2°C** had been recorded at **Banda (Uttar Pradesh)** on **19th and 20th May, 2026** over the plains of the country during the week.
- ❖ **Analysis of weekly overall rainfall distribution during the week ending on 20 May and the Pre-Monsoon Season’s Rainfall Scenario (01.03.2026 to 20.05.2026):** The country as a whole, the weekly cumulative All India Rainfall (ending on 20 May) in % departure from its long period average (LPA) is -14%. All India Seasonal cumulative rainfall % departure during this year’s Pre-Monsoon Season Rainfall (01.03.2026 to 20.05.2026) is 02%. 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		
	07.05.2026 TO 20.05.2026			01.03.2026 TO 20.05.2026		
	Actual (mm)	Normal (mm)	Departure (%)	Actual (mm)	Normal (mm)	Departure (%)
EAST & NORTHEAST INDIA	39.5	42.4	-7%	314.3	294.9	7%
NORTHWEST INDIA	2.1	7.7	-73%	94.4	101.8	-7%
CENTRAL INDIA	3.7	4.2	-11%	34.8	27.7	26%
SOUTH PENINSULA	18.3	16.7	10%	84.8	93.0	-9%
THE COUNTRY AS A WHOLE	11.8	13.8	-14%	107.5	105.9	2%

2. Large-scale features:

- ❖ Currently, ENSO-neutral conditions are evolving toward El Niño conditions over the equatorial Pacific. The latest MMCFS (Monsoon Mission Coupled Forecasting System) forecast indicates the development of El Niño conditions during the SW Monsoon season.
- ❖ At present, neutral Indian Ocean Dipole (IOD) conditions are prevailing over the Indian Ocean, and the latest Climate models forecast indicates that the positive IOD conditions are likely to develop towards the end of the southwest monsoon season.

- ❖ Madden-Julian Oscillation (MJO) index is currently in phase 5 with amplitude equal to 1. It is likely to continue in same phase with amplitude remaining close to 1 during first half of week 1. Thereafter, it is likely to move across phases 6, 7 and 8 with amplitude remaining more than 1 during the remaining part of the forecast period. Thus, MJO is likely to support enhancement of convective activity over the North Bay of Bengal (BoB) during first half of week 1.

3. Forecast for the next two weeks

Weather systems & associated Precipitation during Week 1 (21 to 27 May) and Week 2 (28 May to 03 June 2026)

Weather systems & associated Precipitation during Week 1 (21 to 27 May 2026):

- ❖ Conditions are favourable for further advance of southwest monsoon into some more parts of southeast Arabian Sea, Comorin Area, southwest and southeast Bay of Bengal, remaining parts of Andaman Sea, and some more parts of eastcentral Bay of Bengal during next 3-4 days.
- ❖ The **Western Disturbance** as a trough in middle tropospheric westerlies with its axis roughly along Long. 62°E to the north of Lat. 28°N.
- ❖ An **upper air cyclonic circulation** lies over Punjab & neighbourhood in lower tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over East Uttar Pradesh & neighbourhood in lower tropospheric levels.
- ❖ An east-west **trough** runs from Northwest Uttar Pradesh to Manipur in lower tropospheric levels.
- ❖ An **upper air cyclonic circulation** over coastal Bangladesh & neighbourhood in lower tropospheric level.
- ❖ A **trough** runs from East Uttar Pradesh to south coastal Odisha in lower tropospheric levels.
- ❖ A **trough** in westerlies now runs roughly along Long. 89°E to the north of Lat. 20°N in lower tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over south coastal Odisha and neighbourhood in lower tropospheric levels.
- ❖ A **trough runs** from central Bay of Bengal to Tamil Nadu in lower tropospheric levels
- ❖ An **upper air cyclonic circulation** lies over north Haryana & neighbourhood in lower tropospheric levels.

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

Northeast India:

- ❖ **Scattered to Fairly widespread** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Assam & Meghalaya during 23rd - 25th May.
- ❖ **Isolated heavy rainfall** likely over Arunachal Pradesh, Assam & Meghalaya on 22nd, 26th & 27th; Tripura on 21st and Nagaland, Manipur, Mizoram & Tripura during 23rd - 25th May; with **isolated very heavy rainfall** over Arunachal Pradesh, Assam & Meghalaya on 21st and during 23rd -25th May.
- ❖ **Thunderstorm with light to moderate lightning** likely over Arunachal Pradesh on 21st & 22nd; Nagaland, Manipur, Mizoram & Tripura during 22nd - 25th May.

South Peninsular India:

- ❖ **Scattered to Fairly widespread** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Tamil Nadu, Puducherry & Karaikal during 21st- 26th, Kerala & Mahe, Lakshadweep on 21st - 25th; Rayalaseema, Interior Karnataka, on 21st; Telangana on 21st & 22nd May.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Coastal Andhra Pradesh & Yanam during 21st- 25th, Rayalaseema, Interior Karnataka during 22nd -25th May.
- ❖ **Isolated Heavy rainfall** also likely over Tamil Nadu during 21st -27th; Kerala & Mahe on 21st and during 24th - 27th; South Interior Karnataka during 22nd - 25th May.

East India:

- ❖ **Fairly widespread to widespread** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Andaman & Nicobar Islands during 21st -27th; Sub-Himalayan West Bengal & Sikkim during 21st -24rd May.
- ❖ **Isolated to scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Gangetic West Bengal on 23rd, 26th & 27th; Bihar on 22nd and during 24th-27th; Jharkhand, Odisha during 21st -27th May.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Gangetic West Bengal on 21st & 22nd; Bihar on 21st & 23rd; Jharkhand on 23rd & 24th; Odisha on 21st May.

- ❖ **Isolated heavy rainfall** likely over Bihar on 21st & 24th; Andaman & Nicobar Islands on 21st & 22nd; Sub-Himalayan West Bengal & Sikkim during 25th – 27th May; **with very heavy rainfall** at a few places over Sub-Himalayan West Bengal & Sikkim on 23rd May; **with isolated very heavy rainfall** over Sub-Himalayan West Bengal & Sikkim on 21st, 22nd & 24th May.

Central India

- ❖ **Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Chhattisgarh on 21st May.

Northwest India:

- ❖ **Isolated to scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Jammu-Kashmir during 23rd; Himachal Pradesh on 22nd; Uttarakhand on 22nd & 23rd May.
- ❖ **Isolated to scattered** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Punjab on 21st & 22nd; West Rajasthan on 22nd May.
- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Jammu-Kashmir on 21st & 22nd May.
- ❖ **Hailstorm activity likely** at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh on 21st & 22nd; Himachal Pradesh on 22nd May.
- ❖ **Dust storm activity likely** at isolated places over Punjab on 21st & 22nd; West Rajasthan on 22nd May.

West India:

- ❖ **Isolated** light to moderate rainfall with **thunderstorm, lightning & gusty winds (speed reaching 40-50 kmph)** likely over Madhya Maharashtra on 21st May.

Weather systems & associated Precipitation during Week 2 (28 May to 03 June 2026):

- ❖ Conditions are becoming favourable for the southwest monsoon onset over Kerala and further advance over some more parts of south peninsular India and some parts of northeastern states.
- ❖ A feeble Western disturbance is likely to impact the western Himalayan region during the week.
- ❖ The lower tropospheric mean wind field indicates seasonal southwesterly monsoonal winds over the entire NIO region with a well-established trough extending from northwest India to the south Andaman Sea.

Under the influence of the above system:

- ❖ Light to moderate precipitation at isolated/ 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 most parts of India except over many parts of northwest India during some days of the week.
- ❖ Isolated heavy to very heavy rainfall is likely over some parts of the west coast (Kerala, Coastal Karnataka, Konkan & Goa), Tamilnadu and northeastern parts of the country (Sikkim, Arunachal Pradesh, Assam & Meghalaya) on some/ many days of the week.
- ❖ Overall, thunderstorm activity is likely to continue over the east & northeast, and the southern peninsular India during some/many days of the week.
- ❖ Overall, rainfall is likely to be normal to above normal over most parts of the country except over some parts of the Western Himalayan region during the week (Annexure III).

Temperature forecast for Week 1 (21 to 27 May 2026) and Week 2 (28 May to 03 June 2026)

Temperature forecast for Week 1 (21 to 27 May 2026):

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

- ❖ **Maximum Temperatures (as on 20-05-2026):** Yesterday, Maximum temperatures are in the range of 40-47°C over northwest, West, Central adjoining East & north Peninsular India. **The highest maximum temperature of 48.0°C was reported at BANDA (UTTAR PRADESH).**
- ❖ **Maximum Temperature Departures (as on 20-05-2026):** Yesterday, Maximum temperatures are **markedly above normal (> 5.1°C)** at few places over Arunachal Pradesh, Uttarakhand, Haryana-Chandigarh-Delhi, Punjab, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, West Madhya Pradesh, East Madhya Pradesh and Coastal Andhra Pradesh & Yanam; at isolated places over Assam & Meghalaya, East Uttar Pradesh, West Uttar Pradesh, Himachal Pradesh and Tamil Nadu, Puducherry & Karaikal. **appreciably above normal (3.1°C to 5.0°C)** at few places over Vidarbha; at isolated places over Nagaland, Manipur, Mizoram & Tripura, Odisha, Jharkhand, West Rajasthan, East Rajasthan, Gujarat Region, Saurashtra & Kutch, Konkan & Goa and Telangana. **above normal (1.6°C to 3.0°C)** at most places over Chhattisgarh; at few places over Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal and Rayalaseema; at isolated places over Andaman & Nicobar Islands, Bihar, Madhya Maharashtra, Marathwada and North Interior Karnataka. **near normal (-1.5°C to 1.5°C)** at

many places over South Interior Karnataka and Kerala & Mahe; at most places over Coastal Karnataka and Lakshadweep.

- ❖ **Minimum temperatures (as on 21-05-2026)** were **appreciably above normal (3.1°C to 5.0°C)** at a few places over Odisha; at isolated places over Vidarbha; Himachal Pradesh ;Jammu-Kashmir; Bihar; East Rajasthan; Uttar Pradesh **above normal (1.6°C to 3.0°C)** at many places over Northwest India & Northeast India, Madhya Pradesh, Bihar ,Chhattisgarh , West Bengal, Odisha , Marathawada ,Vidarbha, Coastal Andhra Pradesh & Yanam, Telangana , Rayalaseema and below normal or near normal over rest parts of the country.

Forecast of maximum/day temperatures:

- ❖ No significant change in maximum temperatures is likely over most parts of the country till 27th May 2026.

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

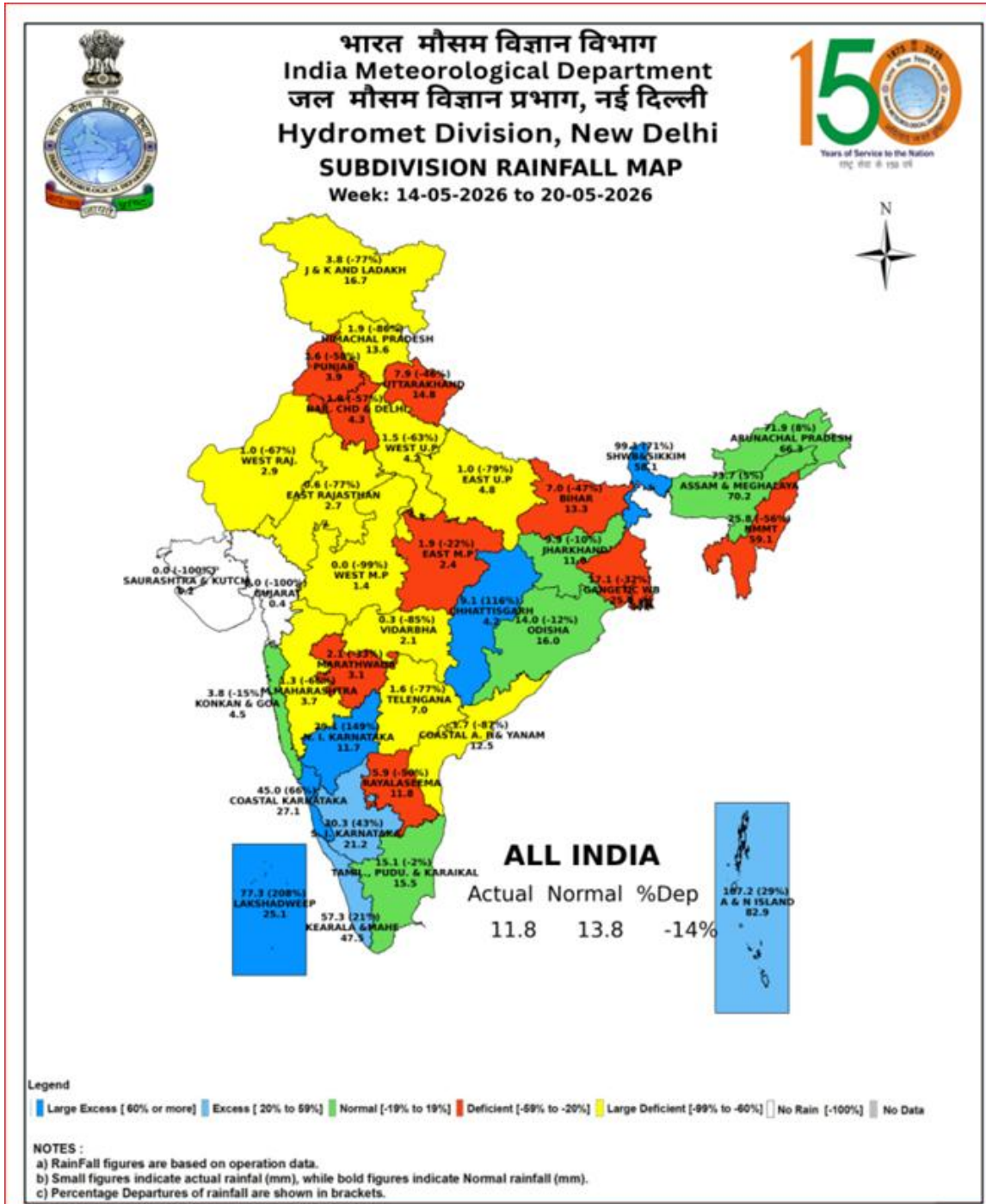
- ❖ **Heat wave to severe heat wave conditions** very likely in many/some pockets over Haryana, Chandigarh & Delhi during 21st –27th May; with **Heat wave conditions over Punjab** during 21st – 27th May.
- ❖ **Heat wave to severe heat wave conditions** in a few/isolated pockets over East Uttar Pradesh during 21st – 27th; West Rajasthan during 25th – 27th May; with **Heat wave conditions over West Uttar Pradesh** during 21st – 27th May.
- ❖ **Heat wave to severe heat wave conditions** very likely in isolated/some pockets over East Madhya Pradesh, Vidarbha, Coastal Andhra Pradesh & Yanam during 21st – 25th; **Heat wave conditions** in isolated pockets over East Madhya Pradesh on 26th & 27th, West Rajasthan during 21st – 24th ; East Rajasthan during 21st – 27th ; Tamil Nadu, Puducherry & Karaikal on 21st & 22nd ;Bihar ,Telangana during 21st – 24th ; Jharkhand on 22nd & 23rd ;Odisha during 21st – 25th May.
- ❖ **Heat wave conditions** very likely in isolated pockets over Himachal Pradesh, Uttarakhand on 21st May.
- ❖ **Warm Night conditions** very likely to prevail in isolated pockets over Odisha during 21st – 25th; Uttar Pradesh, Vidarbha during 21st -23rd; Bihar on 21st; Haryana Chandigarh & Delhi on 21st & 22nd May.
- ❖ **Hot and humid weather conditions** likely to prevail over Gangetic West Bengal during 21st -26th; Odisha 21st – 27th Tamil Nadu, Puducherry & Karaikal during 23rd – 27th May.

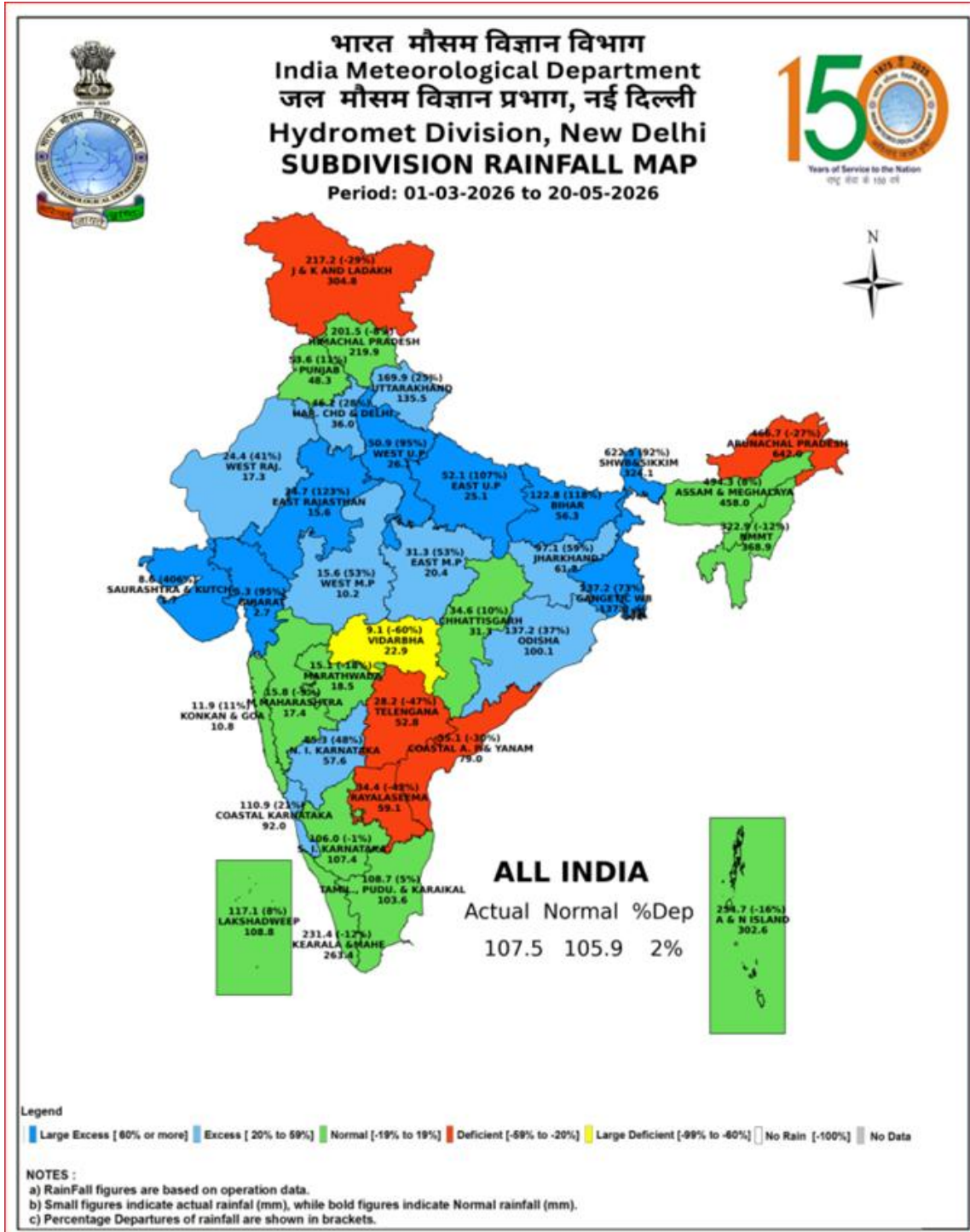
Temperature forecast for Week 2 (28 May to 03 June 2026):

- ❖ **Low to moderate probability of Heatwave conditions** likely over some parts of northwest India (Punjab, Haryana, Rajasthan, Uttar Pradesh, Jammu & Kashmir, southern parts of Himachal Pradesh & Uttarakhand) during some/many days of week 2.

- ❖ Above normal (+1.6 to +3.0°C) to appreciably above normal (+3.1 to +5.0°C) maximum temperatures are likely over some parts of northwest India, and over some parts of northeast India. Below-normal maximum temperatures (-1.6 to -3.0°C) are likely across some parts of South Peninsular India, and near-normal maximum temperatures are likely across the rest of the country during week 2.
- ❖ **Low probability of warm night conditions is likely over Punjab, Haryana, and adjoining West Uttar Pradesh on some days of week 2.** Minimum temperatures are likely to be above normal (+1.6 to +3.0°C) to appreciably above normal (+3.1 to +5.0°C) over some parts of Punjab, Haryana and Uttar Pradesh and isolated parts of Rajasthan and Western Himalayan Region; Near-normal weekly minimum temperatures are likely across the rest of the country.

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



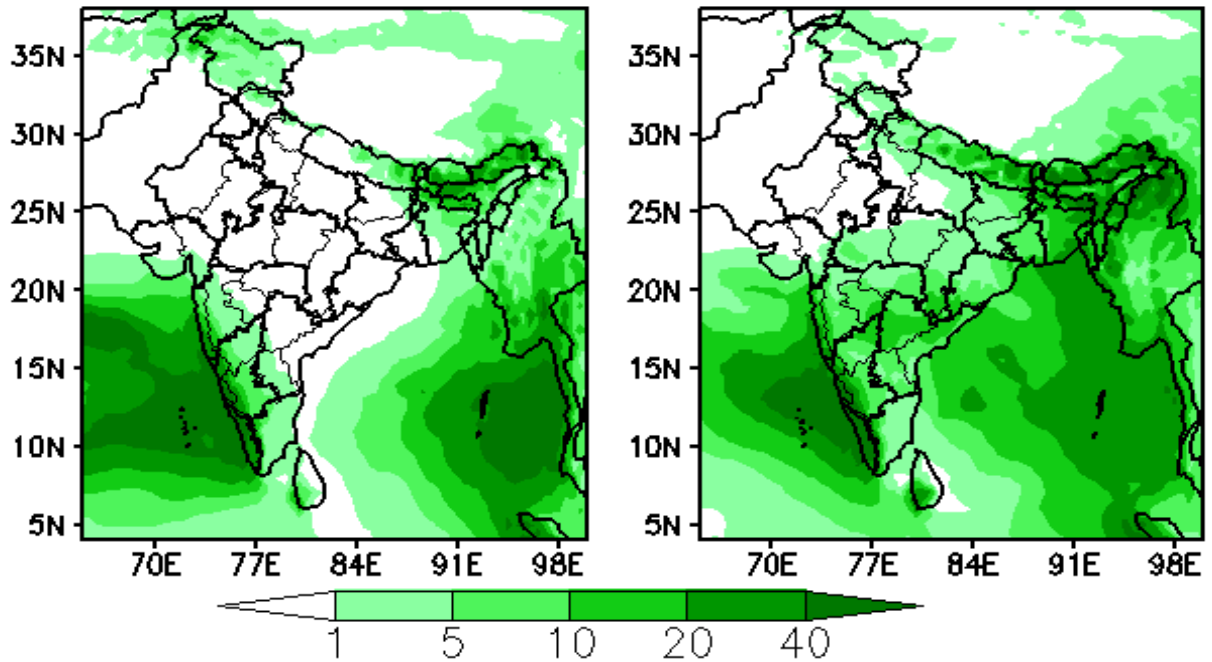


Forecast Rainfall (mm/day)

(00Z=0530 hrs IST)

(Week1:00Z21May-00Z28May)

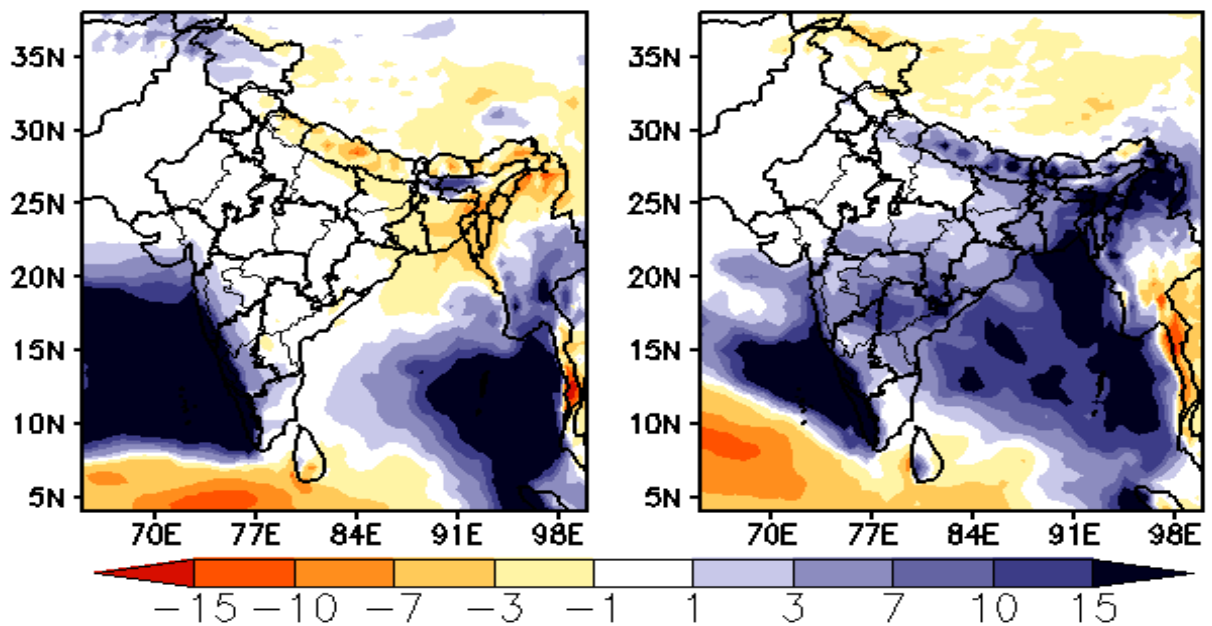
(Week2:00Z28May-00Z04Jun)



Forecast Rainfall Anomaly (mm/day) (00Z=0530 hrs IST)

(Week1:00Z21May-00Z28May)

(Week2:00Z28May-00Z04Jun)

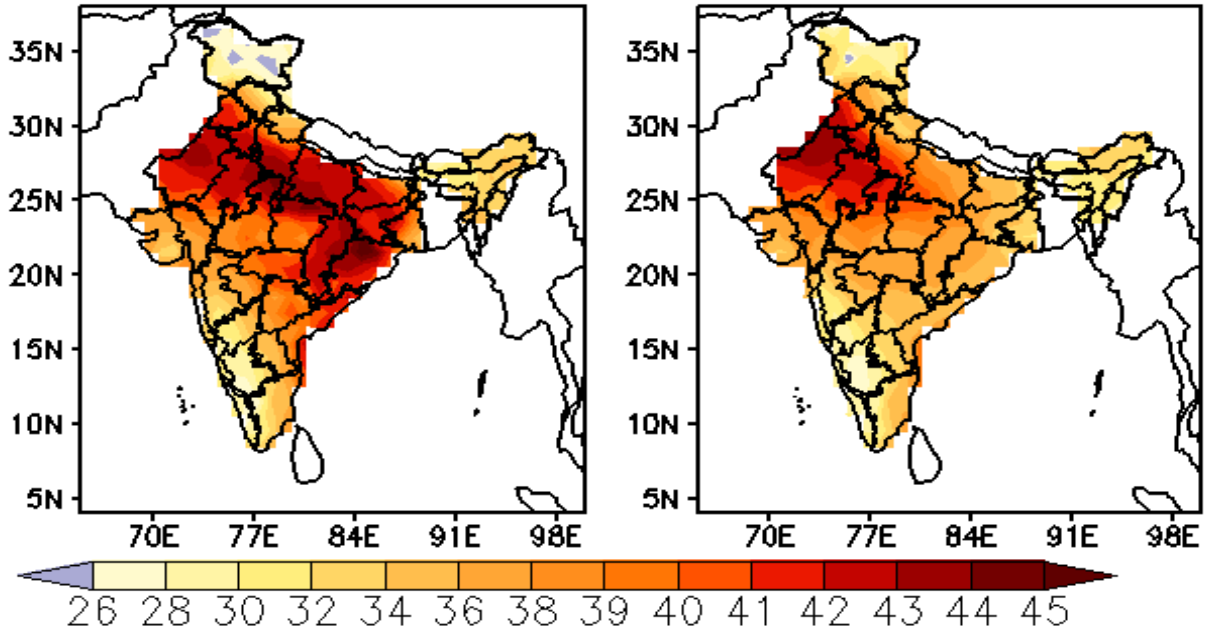


Extended range forecast of weekly distribution of rainfall in mm per day (top panel) and anomalies (lower panel) from IMD MME

MME Bias corrected forecast Tmax (Deg C)

(Week1: 22May-28May)

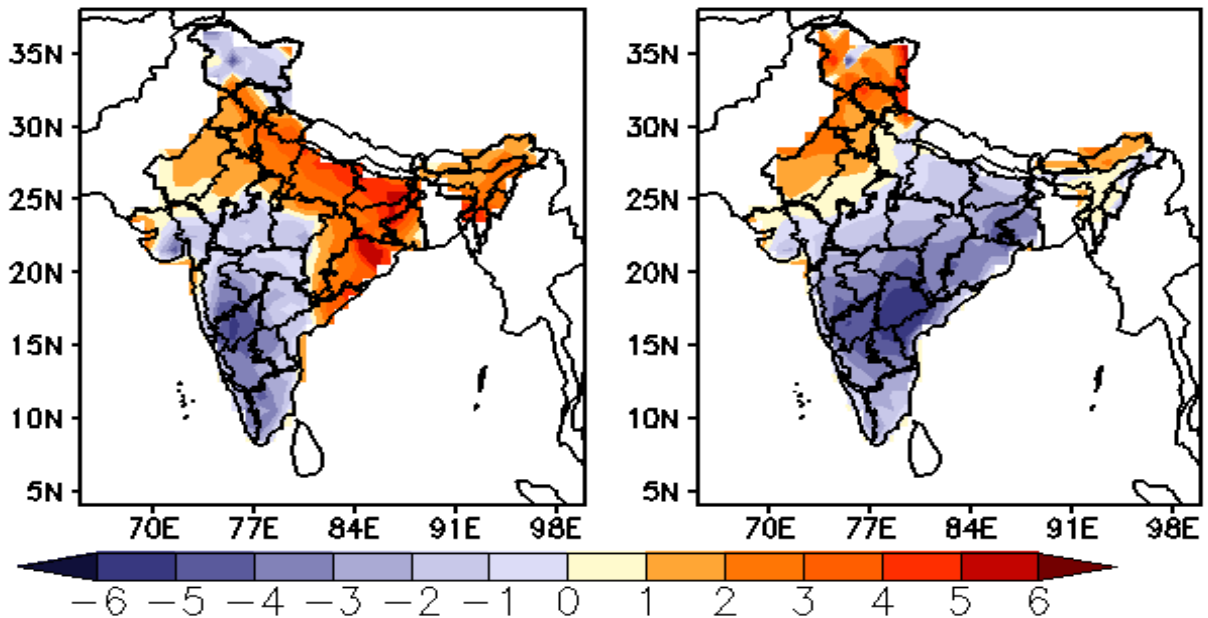
(Week2: 29May-04Jun)



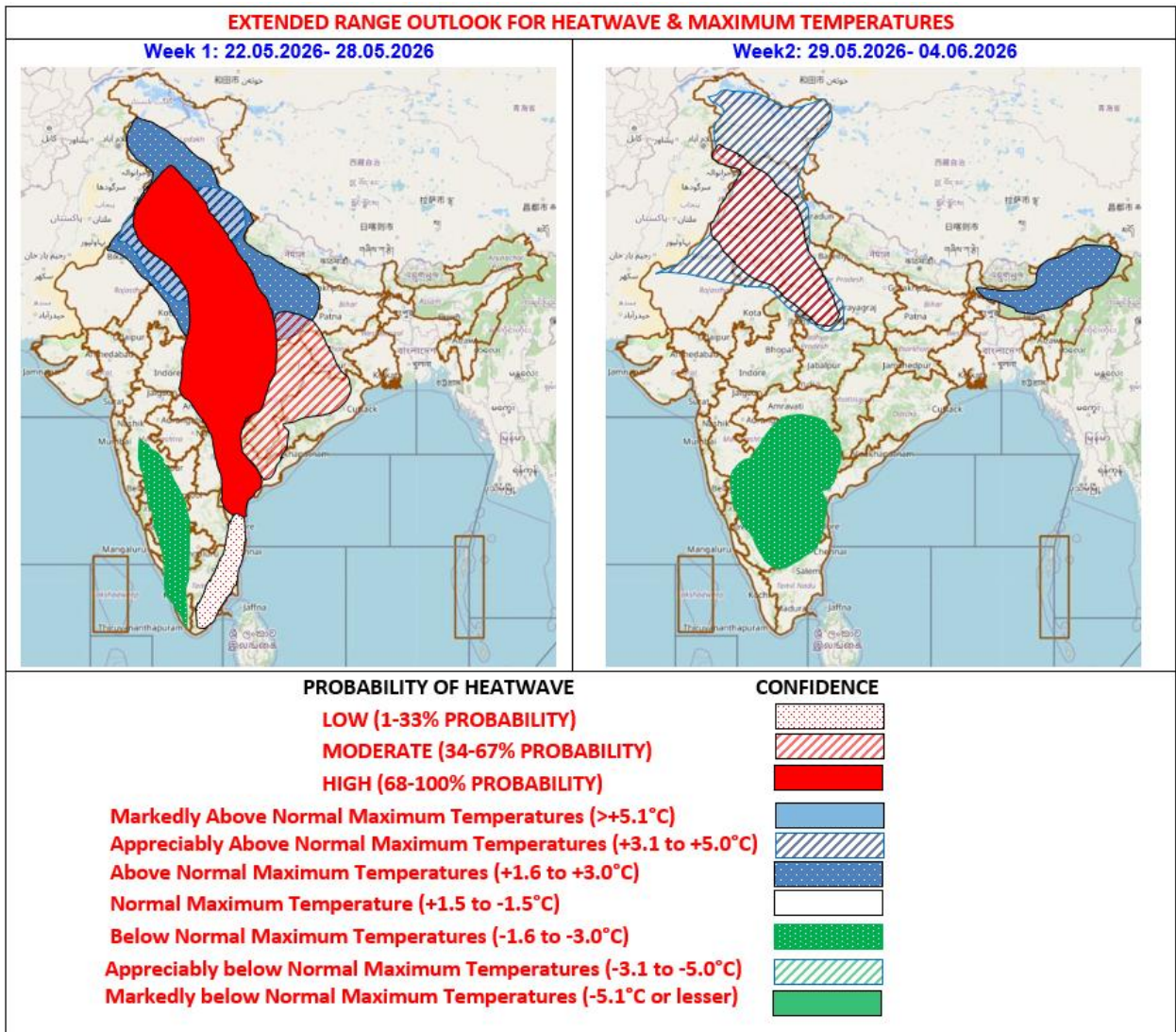
MME forecast Tmax anomaly (Deg C)

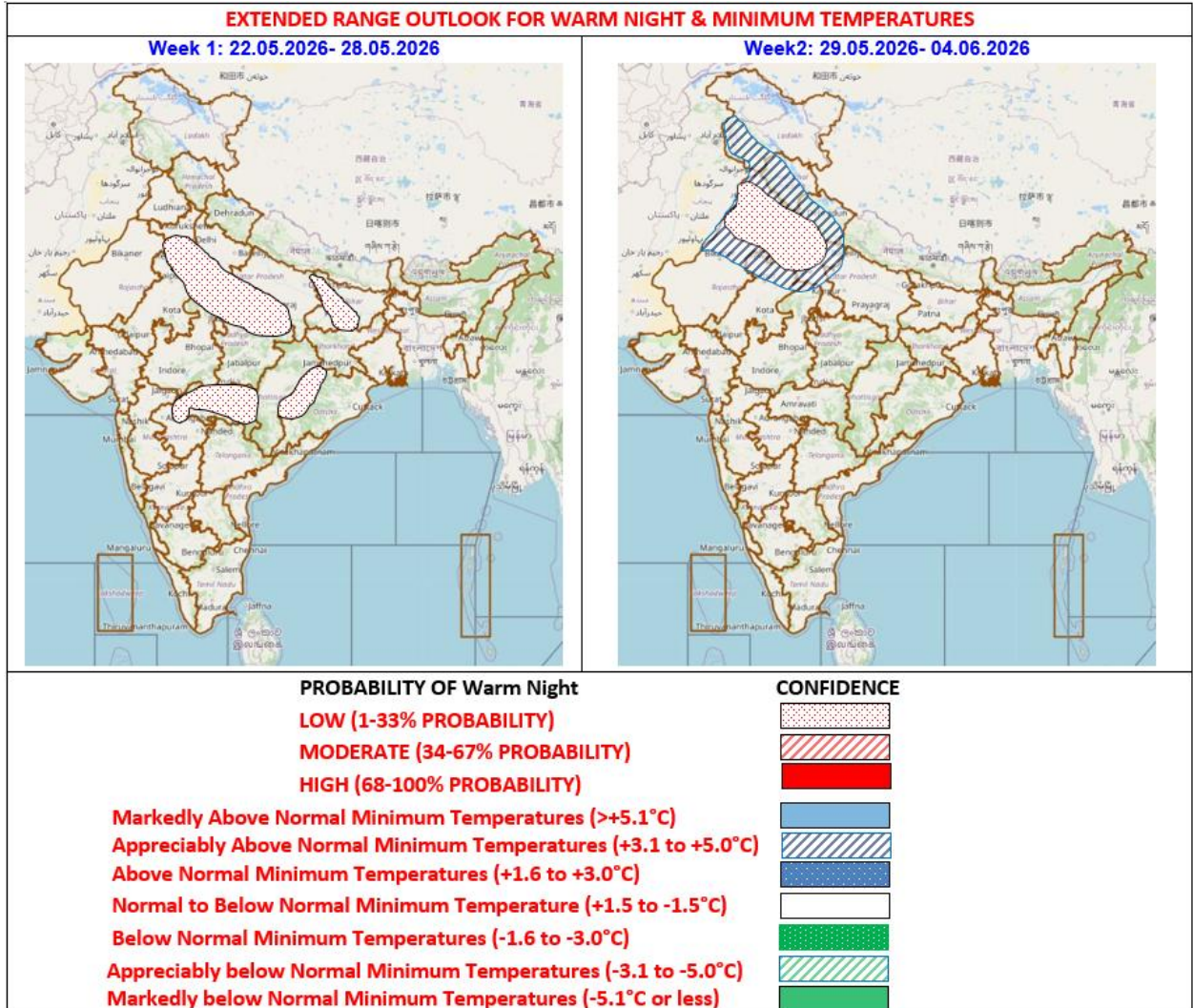
(Week1: 22May-28May)

(Week2: 29May-04Jun)



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





Impact expected and action suggested due to thunderstorm with lightning, gusty/squally winds

- ❖ **Thundersquall (wind speed reaching 50-60 kmph gusting to 70 kmph)** likely over Coastal Andhra Pradesh & Yanam during 21st– 25th, Rayalaseema, Interior Karnataka during 22nd -25th; Gangetic West Bengal on 21st & 22nd; Bihar on 21st & 23rd; Jharkhand on 23rd & 24th; Jammu-Kashmir on 21st & 22nd; Odisha on 21st May.

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.
- 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 Bihar on 21st & 24th Arunachal Pradesh, Assam & Meghalaya on 22nd, 26th & 27th; Tripura on 21st and Nagaland, Manipur, Mizoram & Tripura during 23rd – 25th May Tamil Nadu during 21st - 27th; Kerala & Mahe on 21st and during 24th – 27th; South Interior Karnataka during 22nd – 25th Andaman & Nicobar Islands on 21st & 22nd; Sub-Himalayan

West Bengal & Sikkim during 25th – 27th ; Bihar on 21st ; **with very heavy rainfall** at a few places over Sub-Himalayan West Bengal & Sikkim on 23rd May ;with **isolated very heavy rainfall** over Arunachal Pradesh, Assam & Meghalaya on 21st and during 23rd -25th ; Sub-Himalayan West Bengal & Sikkim on 21st ,22nd & 24th May.

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 kutchha 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/ severe heat wave conditions:

- ❖ Heat wave to severe heat wave conditions likely to continue to prevail over plains of northwest & central India and adjoining East India during the week.

Red alert Areas

- Very high likelihood of developing heat illness and heat stroke in all ages.
- Extreme care needed for vulnerable people.

Orange 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.

Yellow alert Areas

- Moderate temperature & heat is tolerable for general public but moderate health concern likely for vulnerable people e.g. infants, elderly, people with chronic diseases.
- Avoid heat exposure.
- Wear lightweight, light colour, loose, cotton clothes.
- Cover your head, use a cloth, hat or umbrella.

Agromet advisories for likely impact of Hailstorms

- In **Jammu & Kashmir, Himachal Pradesh and Bihar**, 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 **Andaman & Nicobar Islands**, ensure proper drainage in coconut gardens and avoid water stagnation around basins.
- In **West Bengal and Sikkim** complete harvesting of rice, maize, mustard and potato. Maintain proper drainage in standing crops.
- In **Assam and Meghalaya**, make necessary arrangements to remove excess rainwater from the crop fields.
- In **Tripura**, postpone the harvesting of mature *boro* rice and shift the already harvested produce to a safe and dry place for storage.
- In **Keralam**, provide adequate drainage for banana, coconut, and other vegetables. Provide support to banana plants.
- In **Tamil Nadu**, maintain proper drainage to prevent water stagnation in black gram, green gram, sugarcane, and vegetable plantations.

- In **South Interior Karnataka**, ensure proper drainage in paddy fields, arecanut and mango orchards.

Agromet advisories for likely impact of High temperatures/ Heat Waves

- In **Uttarakhand**: Provide irrigation to sunflower, fodder maize, tomato, brinjal, etc.
- In **Punjab**, apply light and frequent irrigation to vegetable, moong fruit plants orchards and onion nurseries.
- In **Haryana**, maintain adequate irrigation in standing sugarcane, cotton and summer fodder crops. Complete paddy nursery preparation with assured irrigation facilities and adopt mulching/moisture conservation practices to reduce water stress in newly sown crops
- In **Uttar Pradesh**, provide frequent irrigation and mulching for standing crops such as maize, green gram, black gram, sugarcane, sunflower, vegetables, and fruit plants such as mango, banana, and papaya.
- In **Rajasthan**, apply need-based irrigation to green gram and summer cucurbit crops such as bottle gourd, pumpkin, ridge gourd, cucumber, bitter gourd, and summer ladyfinger, as well as to young fruit plants such as mango, amla, pomegranate, wood apple, and plum. Undertake soil mulching/mulching with straw/polythene to reduce water loss by evaporation.
- In **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.
- In **Odisha** - Provide light irrigation to *Boro* paddy, summer maize, green gram, black gram, groundnut, and vegetable fields. Ensure adequate soil moisture is maintained in mango and cashew crops.
- In **Madhya Pradesh**, apply light irrigation to maize, *moong*, *urd*, groundnut, and vegetable crops as required.
- In **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.
- In **Vidarbha**, provide light and frequent irrigation to vegetables and orchards during morning or evening hours, with increased frequency during critical growth stages. Irrigate sugarcane, summer groundnut, vegetables, and orchards as required; use organic or straw mulch in vegetables and orchards; cover banana bunches with leaves; and use shade nets in newly planted banana plantations.
- In **Telangana** - Provide irrigation to mango orchards and vegetable crops, as required.

- In **Coastal Andhra Pradesh** regions experiencing hot and humid conditions, 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 hailstorms/ heavy rainfall and provide them with 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.
- Coastal states (especially Tamil Nadu and Kerala), fishermen are advised not to venture into sea.