

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

**Press Release: Dated: 08<sup>th</sup> May, 2025**

**Subject: Current Weather Status and Extended range Forecast for the next two weeks (08<sup>th</sup> to 21<sup>st</sup> May 2025)**

**1. Salient Observed Features for the week ending 07<sup>th</sup> May 2025:**

- ❖ **Prolonged wet spell accompanied with moderate to severe thunderstorms, Squally/Gusty winds over northwest, Central and Eastern India during the week with Heavy to very heavy rainfall** was recorded at isolated places over East Rajasthan, West Madhya Pradesh, Saurashtra & Kutch on 7<sup>th</sup> May. **It was mainly due to movement of two Western Disturbances (WDs) across northwest and adjoining central India during the week. 1<sup>st</sup> WD was developed in-situ during 2-3 May and the 2<sup>nd</sup> WD was during 3-7 May which was very slow moving system, intense one and seen between 3.1 to 9.4km asl with north-south extended trough upto northeast Arabian Sea mainly observed on 6 and 7 May. Under the influence of first WD, thunderstorm accompanied with squally/gusty winds and isolated heavy rainfall observed over East Rajasthan and Haryana & Delhi on 2<sup>nd</sup> May. Delhi (Safdarjung) recorded 77mm rainfall on 2 May. Under the influence of second WD, prolonged spell of light to moderate rainfall with isolated thunderstorm accompanied with lightning and gusty winds was observed over north, northwest and central India during 3<sup>rd</sup> – 7<sup>th</sup> May.**
- ❖ **Thunderstorm accompanied with Squally/Gusty winds upto 60-70 gusting to 80 kmph** recorded at isolated locations over Himachal Pradesh, Uttarakhand, Chhattisgarh and Telangana during 1<sup>st</sup> – 7<sup>th</sup> May, Punjab on 1<sup>st</sup> – 5<sup>th</sup> & 7<sup>th</sup> May, West Madhya Pradesh on 1<sup>st</sup> & 3<sup>rd</sup> – 7<sup>th</sup> May, East Madhya Pradesh on 1<sup>st</sup>, 3<sup>rd</sup>, 4<sup>th</sup>, 6<sup>th</sup> & 7<sup>th</sup> May, East Uttar Pradesh and Vidarbha on 1<sup>st</sup>, 2<sup>nd</sup> & 4<sup>th</sup> – 7<sup>th</sup> May, Gangetic West Bengal on 1<sup>st</sup>, 2<sup>nd</sup>, 4<sup>th</sup>, 6<sup>th</sup> & 7<sup>th</sup> May, Sub-Himalayan West Bengal & Sikkim on 1<sup>st</sup>, 5<sup>th</sup> & 6<sup>th</sup> May, Bihar on 1<sup>st</sup> & 4<sup>th</sup> – 6<sup>th</sup> May, Jharkhand on 1<sup>st</sup>, 2<sup>nd</sup> & 4<sup>th</sup> – 7<sup>th</sup> May, Arunachal Pradesh, Assam & Meghalaya, and Nagaland, Manipur, Mizoram & Tripura on 1<sup>st</sup> & 4<sup>th</sup> – 7<sup>th</sup> May, North Interior Karnataka on 1<sup>st</sup>, 2<sup>nd</sup>, 4<sup>th</sup>, 6<sup>th</sup> & 7<sup>th</sup> May, South Interior Karnataka on 1<sup>st</sup> – 3<sup>rd</sup> & 7<sup>th</sup> May, Coastal Andhra Pradesh & Yanam during 1<sup>st</sup> – 5<sup>th</sup> & 7<sup>th</sup> May, Rayalaseema on 1<sup>st</sup> – 3<sup>rd</sup>, 5<sup>th</sup> & 7<sup>th</sup> May, Andaman & Nicobar Islands on 1<sup>st</sup> May, Tamilnadu, Puducherry & Karaikal on 1<sup>st</sup>, 3<sup>rd</sup> – 5<sup>th</sup> & 7<sup>th</sup> May, Kerala & Mahe on 1<sup>st</sup>, 2<sup>nd</sup> & 4<sup>th</sup>, 5<sup>th</sup> & 7<sup>th</sup> May, Jammu-Kashmir-Ladakh during 2<sup>nd</sup> – 5<sup>th</sup> May, Haryana Chandigarh & Delhi on

2<sup>nd</sup>, 3<sup>rd</sup> & 5<sup>th</sup> May, Odisha on 2<sup>nd</sup>, 4<sup>th</sup>, 6<sup>th</sup> & 7<sup>th</sup> May, West Uttar Pradesh on 2<sup>nd</sup> – 4<sup>th</sup> & 6<sup>th</sup> May, West Rajasthan on 2<sup>nd</sup>, 4<sup>th</sup> & 5<sup>th</sup> May, East Rajasthan on 2<sup>nd</sup> & 4<sup>th</sup> May, Gujarat Region during 4<sup>th</sup> – 6<sup>th</sup> May, Marathawada, and Madhya Maharashtra on 6<sup>th</sup> & 7<sup>th</sup> May, Saurashtra & Kutch, and Konkan & Goa on 7<sup>th</sup> May.

- ❖ **Hailstorm** occurred at isolated places over East Uttar Pradesh on 1<sup>st</sup>, 2<sup>nd</sup> & 5<sup>th</sup> May, Chhattisgarh on 1<sup>st</sup>, 2<sup>nd</sup> & 4<sup>th</sup> May, Bihar on 1<sup>st</sup> & 2<sup>nd</sup> May, Himachal Pradesh on 2<sup>nd</sup>, 5<sup>th</sup> & 7<sup>th</sup> May, Punjab on 2<sup>nd</sup> & 5<sup>th</sup> May, Haryana and Chandigarh on 2<sup>nd</sup> May, East Madhya Pradesh during 2<sup>nd</sup> – 7<sup>th</sup> May, Vidarbha on 2<sup>nd</sup> & 4<sup>th</sup> – 7<sup>th</sup> May, Telangana on 2<sup>nd</sup>, 3<sup>rd</sup> & 5<sup>th</sup> May, South Interior Karnataka on 2<sup>nd</sup> May, Uttarakhand on 4<sup>th</sup> & 5<sup>th</sup> May, West Rajasthan on 4<sup>th</sup> May, West Madhya Pradesh on 4<sup>th</sup>, 6<sup>th</sup> & 7<sup>th</sup> May, Tamilnadu, Coastal Andhra Pradesh & Yanam, Rayalaseema, and Gujarat Region on 5<sup>th</sup> May, Madhya Maharashtra on 6<sup>th</sup> & 7<sup>th</sup> May, Odisha and Marathawada on 6<sup>th</sup> May.
- ❖ **Heavy to very heavy rainfall with extremely heavy falls** was recorded at isolated places over Meghalaya on 2<sup>nd</sup> May. **Heavy to very heavy rainfall** was recorded at isolated places over East Rajasthan, West Madhya Pradesh, Saurashtra & Kutch on 7<sup>th</sup> May. **Heavy rainfall** was recorded at isolated places over South Interior Karnataka on 1<sup>st</sup> & 3<sup>rd</sup> May, Odisha on 2<sup>nd</sup> & 4<sup>th</sup> May, Assam & Meghalaya on 2<sup>nd</sup>, 4<sup>th</sup>, 6<sup>th</sup> & 7<sup>th</sup> May, Haryana, Delhi, East Rajasthan, Gangetic West Bengal on 2<sup>nd</sup> May, Kerala & Mahe on 3<sup>rd</sup> & 5<sup>th</sup> May, Uttarakhand on 3<sup>rd</sup> May, Tamilnadu Puducherry & Karaikal on 5<sup>th</sup> & 7<sup>th</sup> May, Coastal Andhra Pradesh, Rayalaseema, Himachal Pradesh, West Madhya Pradesh on 5<sup>th</sup> May, Bihar on 6<sup>th</sup> May, Gujarat Region on 7<sup>th</sup> May.
- ❖ **Status of Heat wave during the week: Heat wave** condition was observed at isolated places over southwest Rajasthan on 1<sup>st</sup> May and abated from India thereafter.
- ❖ **Weekly Average Minimum temperature** was above normal by 1-3°C over parts of north India and northeast India, and below normal by 1-3°C over parts of west, central and east India during the week. It was nearly normal over remaining parts of the country during the week. **Weekly Average Maximum temperature** was above normal by 1-3°C over parts of north India and northeast India, and below normal by 2-5°C over parts of west, central and east India during the week. It was nearly normal over south peninsular India during the week.
- ❖ **Temperature Scenario:** The lowest minimum temperature of **16.5°C** had been recorded at **Daringabadi (Odisha)** on **01 May, 2025** and the highest maximum temperature of **46.7°C** had been recorded at **Jaisalmer (West Rajasthan)** on **01 May, 2025** over the plains of the country during the week.
- ❖ **Analysis of weekly overall rainfall distribution during the week-ending on 07<sup>th</sup> May and the Pre-Monsoon Season's Rainfall Scenario (01.03.2025 to 07.05.2025):** The country as a whole, the weekly cumulative All India Rainfall (for 01<sup>st</sup> – 05<sup>th</sup> May 2025) in % departure from its long period average (LPA) is +35%. All India Seasonal cumulative rainfall % departure during this year's Pre-Monsoon Season Rainfall (01<sup>st</sup> March to 07<sup>th</sup> May 2025) is -08%. Details of the rainfall distribution over the four broad geographical regions of India are given in Table 1,

and Meteorological sub-division-wise rainfall for week and season are given in Annexure I & II, respectively.

**Table 1: Rainfall status (Week and season)**

Region	Week			Season		
	01.05.2025 TO 07.05.2025			01.03.2025 TO 07.05.2025		
	Actual (mm)	Normal (mm)	Departure (%)	Actual (mm)	Normal (mm)	Departure (%)
<b>EAST &amp; NORTHEAST INDIA</b>	24.5	38.1	-36%	157.9	221.3	-29%
<b>NORTHWEST INDIA</b>	13.5	6.9	96%	64.8	86.7	-25%
<b>CENTRAL INDIA</b>	13.0	3.1	320%	33.9	20.1	68%
<b>SOUTH PENINSULA</b>	17.7	13.0	36%	92.8	62.4	49%
<b>THE COUNTRY AS A WHOLE</b>	<b>15.9</b>	<b>11.8</b>	<b>35%</b>	<b>74.7</b>	<b>81.0</b>	<b>-08%</b>

## 2. Large scale features:

- ❖ Currently, Neutral El Nino-Southern Oscillation (ENSO) conditions are prevailing over the equatorial Pacific region. However, the atmospheric Circulation features are similar to La Niña conditions. The latest Monsoon Mission Climate Forecast System (MMCFS) as well as other climate model forecasts indicate that the Neutral ENSO conditions are likely to continue during the monsoon season.
- ❖ At present, neutral Indian Ocean Dipole (IOD) conditions are observed over the Indian Ocean. The latest MMCFS forecast indicates that the neutral IOD conditions are likely to continue for the next several months.
- ❖ The Madden Julian Oscillation (MJO) index is currently in Phase 6 with an amplitude > 1. It is likely to migrate to Phase 7 by the second half of week 1, with amplitude remaining > 1. During the start of Week 2, it is likely to propagate to Phase 8, with amplitude > 1, and is likely to remain in Phase 8 for the remaining duration of Week 2, with amplitude remaining > 1.

## 3. Forecast for the next two weeks

**Weather systems & associated Precipitation during Week 1 (08 to 14 May, 2025) and Week 2 (15 to 21 May, 2025)**

**Weather systems & associated Precipitation during Week 1 (08 to 14 May, 2025):**

- ❖ A Western **Disturbance** seen as a cyclonic circulation over Iran in lower tropospheric levels with a trough aloft in middle tropospheric levels roughly along long. 56°E to the north of lat. 27°N.
- ❖ A **upper air cyclonic circulation** lies over southwest Madhya Pradesh in lower & middle tropospheric levels and another over northwest Madhya Pradesh in lower tropospheric levels.
- ❖ The **east-west trough** runs from cyclonic circulation over northwest Madhya Pradesh to north Chhattisgarh in lower tropospheric levels.
- ❖ Another **trough** runs from eastcentral Arabian Sea to cyclonic circulation over southwest Madhya Pradesh & neighbourhood in lower & middle tropospheric levels.
- ❖ The **north-south trough** runs from south Telangana to Gulf of Mannar in lower tropospheric levels.
- ❖ An **upper air cyclonic circulation** lies over Northeast Assam in lower tropospheric levels.
- ❖ Another **upper air cyclonic circulation** lies over southeast Bay of Bengal and adjoining south Andaman Sea in middle tropospheric levels.
- ❖ Under the influence of these systems, the following weather is likely:

#### **Northwest India:**

- ✓ **Scattered to fairly widespread** light to moderate rainfall with **thunderstorm, lightning & gusty winds speed reaching 40-60 kmph** likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttarakhand; **Isolated to Scattered** light/moderate rainfall with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph** over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and Rajasthan during 08<sup>th</sup>-11<sup>th</sup> May.
- ✓ **Duststorm** very likely at isolated places over West Rajasthan on 09<sup>th</sup> & 10<sup>th</sup> May.

#### **West India:**

- ✓ **Isolated to Scattered** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph gusting to 60 kmph** likely over West India during 08<sup>th</sup>-12<sup>th</sup> May.
- ✓ **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** over Konkan & Goa, Madhya Maharashtra, Marathawada and Gujarat State on 08<sup>th</sup> May.

#### **East & Central India:**

- ✓ **Isolated to Scattered** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 40-50 kmph gusting to 60 kmph** likely over Madhya Pradesh, Vidarbha & Chhattisgarh during 08<sup>th</sup>-12<sup>th</sup> May; **with winds speed reaching 30-40 kmph gusting to**

**50 kmph** over West Bengal & Sikkim during 10<sup>th</sup>-12<sup>th</sup>; Bihar, Jharkhand, Odisha on 08<sup>th</sup> May.

- ✓ **Thundersquall wind speed reaching 50-60 kmph gusting to 70 kmph** likely over West Madhya Pradesh on 08<sup>th</sup> and over Chhattisgarh during 09<sup>th</sup>-11<sup>th</sup> May.
- ✓ **Isolated heavy rainfall** likely over Sub-Himalayan West Bengal & Sikkim on 11<sup>th</sup> & 12<sup>th</sup> May.

#### **South peninsular India:**

- ✓ **Isolated to Scattered** light/moderate rainfall accompanied with **thunderstorm, lightning & strong winds speed reaching 30-40 kmph gusting to 50 kmph** likely over Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana, Karnataka during 08<sup>th</sup>-12<sup>th</sup> and over Tamilnadu Puducherry & Karaikal, Kerala & Mahe on 08<sup>th</sup> & 09<sup>th</sup> May.

#### **Northeast India:**

- ✓ **Fairly widespread to widespread** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds speed reaching 30-40 kmph gusting to 50 kmph** likely over Northeast India during next 5 days.
- ✓ **Isolated heavy rainfall** over Arunachal Pradesh, Assam & Meghalaya during 09<sup>th</sup>-14<sup>th</sup> and over Mizoram on 12<sup>th</sup> with **very heavy rainfall** over Assam & Meghalaya on 11<sup>th</sup> & 12<sup>th</sup> May.

- ❖ No significant weather likely over rest parts of the country during the week.

#### **Precipitation for week 2 (15 to 21 May, 2025):**

- ❖ Under the influence of western disturbances, isolated to scattered rainfall with thunderstorm is likely over Western Himalayan Region during some days of the week.
- ❖ Due to trough/cyclonic circulations over central & south Peninsular India, light/moderate scattered to fairly widespread rainfall along with thunderstorm & lightening are likely over central & south Peninsular India during many days of the week.
- ❖ Overall, above normal rainfall along with thunderstorm & lightening are likely over Central and South Peninsular India; normal to above normal over many parts of east & northeast India and below normal over many parts of northwest India during the week.

#### **Temperature forecast & heat wave warning for Week 1 (08 to 14 May, 2025) and Week 2 (15 to 21 May, 2025)**

#### **Temperature forecast & heat wave warning for Week 1 (08 to 14 May, 2025):**

- ❖ **Maximum Temperatures** were in the range of **38 to 41 degree C** in some places of Odisha, Telangana, isolated pockets of Rajasthan, Rayalaseema, north Tamil

Nadu, Madhya Maharashtra, east Madhya Pradesh, Chhattisgarh, Jharkhand, in the range **34-37 degree C** in some places of Marathwada, Karnataka, isolated pockets of South Uttar Pradesh, Kerala, Punjab, Haryana, East Rajasthan, coastal Andhra Pradesh and they **were less than 34 deg. C** elsewhere over remaining parts of the country. Yesterday, the **highest maximum temperature of 41.0°C was reported at Sambalpur (Odisha)** over the country. over the country.

- ❖ Maximum Temperatures were **appreciably above normal (-3.1°C to -5.0°C)** at isolated places over Jammu-Kashmir-Ladakh-Gilgit Baltistan-Muzaffarabad and Assam & Meghalaya; **above normal (1.6°C to 3.0°C)** at isolated places over Sub-Himalayan West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura, Odisha, Konkan & Goa, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal. These were markedly below normal (-5.1 or below) at many places over West Madhya Pradesh and Gujarat Region; at a few places over East Rajasthan and Madhya Maharashtra; at isolated places over many places over Delhi, East Uttar Pradesh, West Rajasthan and Vidarbha; **appreciably below normal (-3.1°C to -5.0°C)** at many places over Punjab, East Madhya Pradesh and Punjab; at a few places over Himachal Pradesh; at isolated places over Haryana, West Uttar Pradesh; **below normal (-1.6°C to -3.0°C)** at many places over Chhattisgarh, Jharkhand; at a few places over Bihar; isolated places over Telangana and Rayalaseema and normal over rest parts of the country.

### **Forecast of temperature:**

#### **Maximum temperature:**

- ❖ Gradual rise in maximum temperatures by 3-4°C likely over East India during next 3 days and no significant change thereafter for subsequent 4 days.
- ❖ Gradual rise in maximum temperatures by 3-5°C likely over Northwest India during next 7 days.
- ❖ No significant change in maximum temperatures likely over Central India during next 24 hours and rise by 3-5°C thereafter for subsequent 5 days.
- ❖ No significant change in maximum temperatures likely over West India during next 24 hours and rise by 2-°C thereafter for subsequent 5 days.
- ❖ No significant change in maximum temperatures likely over rest parts of the country.

### **Heat wave and Hot & Humid weather warning:**

- ❖ **Heat wave conditions** very likely in isolated pockets of Gangetic West Bengal during 10<sup>th</sup>-13<sup>th</sup>; Odisha during 10<sup>th</sup>-14<sup>th</sup>, Bihar during 11<sup>th</sup>-13<sup>th</sup> and Jharkhand during 11<sup>th</sup>-14<sup>th</sup>; May.
- ❖ **Hot & humid weather** is likely to prevail over Gangetic West Bengal, Odisha, Tamil Nadu, Puducherry & Karaikal on 08<sup>th</sup> & 09<sup>th</sup> May.

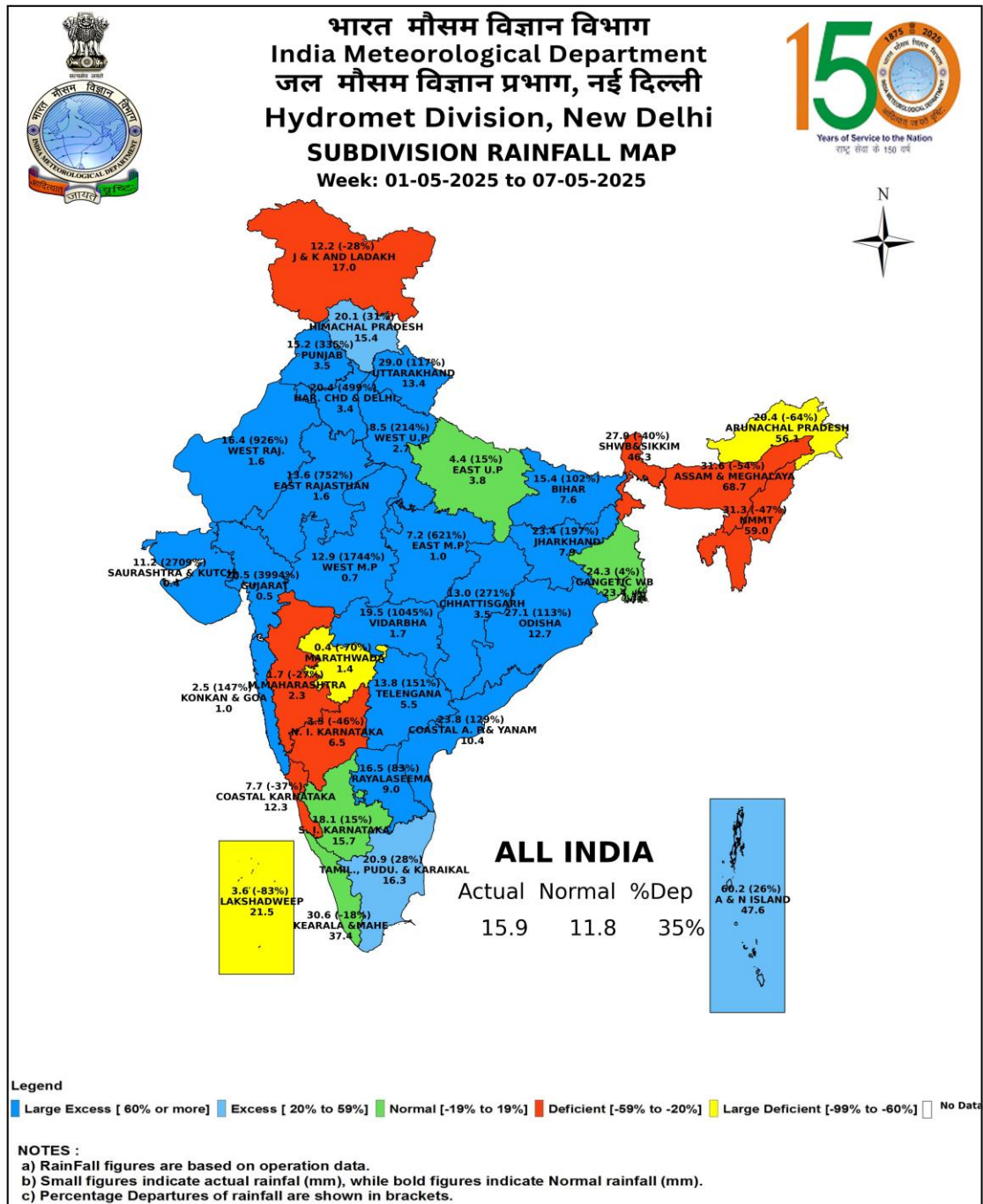
### **Temperature forecast & heat wave warning for Week 2 (15 to 21 May, 2025):**

- ❖ Maximum temperatures are likely to be above normal by 1-3°C over many parts of Western Himalayan Region & Adjoining northwest India and northeast India,

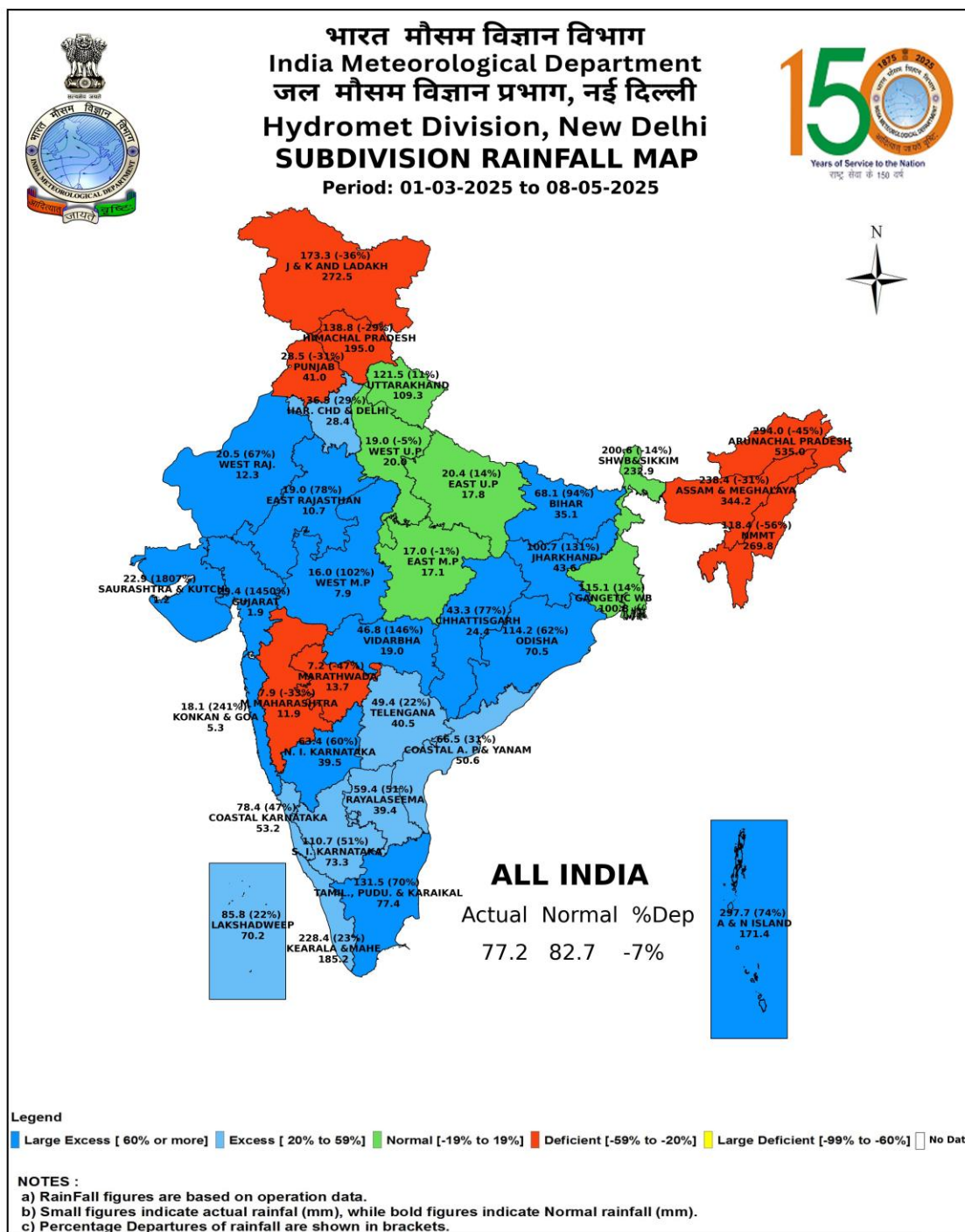
over Punjab, Odisha, Gangetic West Bengal, Bihar and Jharkhand. These are likely to be near normal or below normal over rest parts of the country.

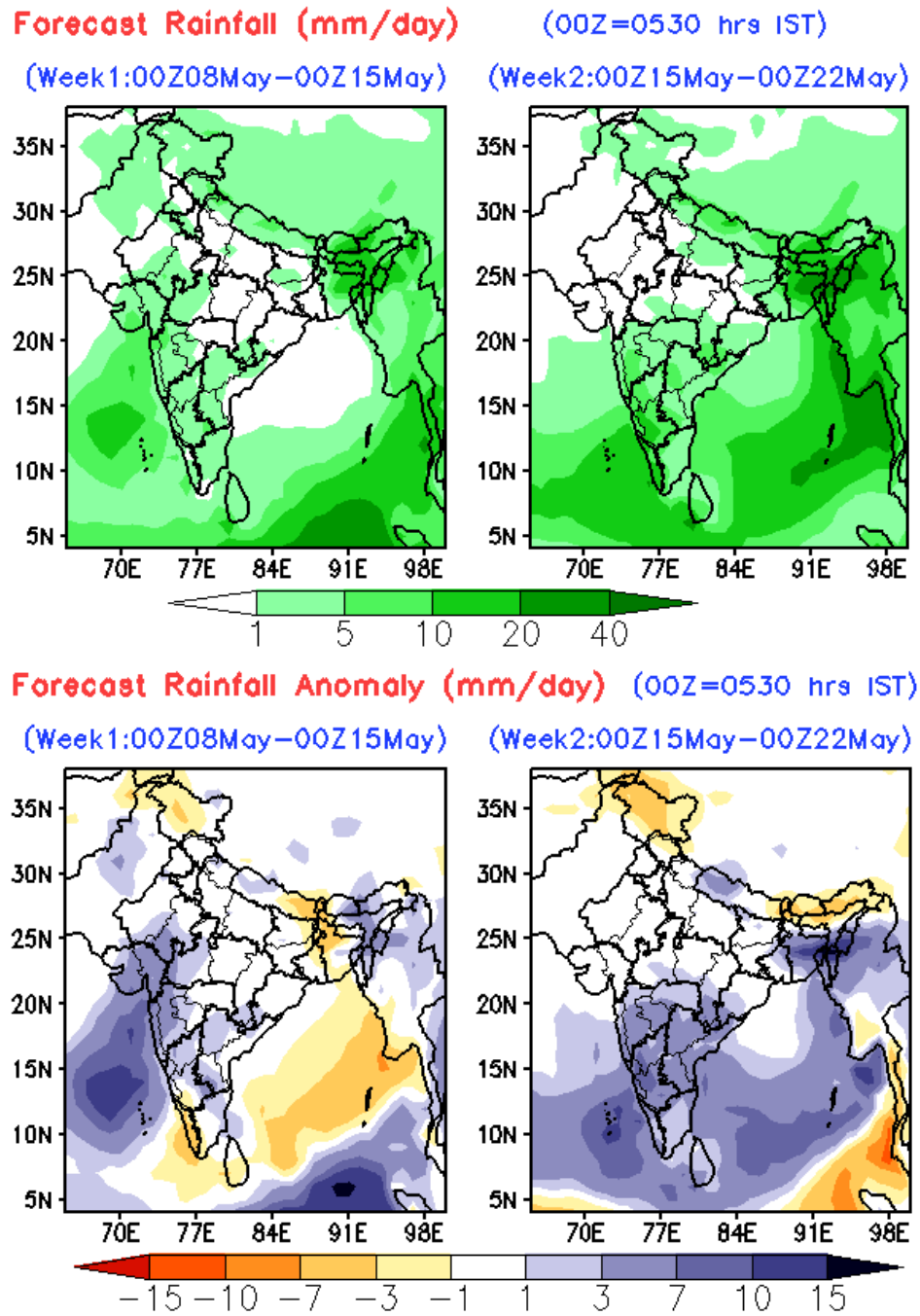
- ❖ There is a low to moderate probability of heat wave conditions over isolated pockets of plains of northwest India; low probability over Odisha, Gangetic West Bengal, Bihar and Jharkhand during some days of the week.



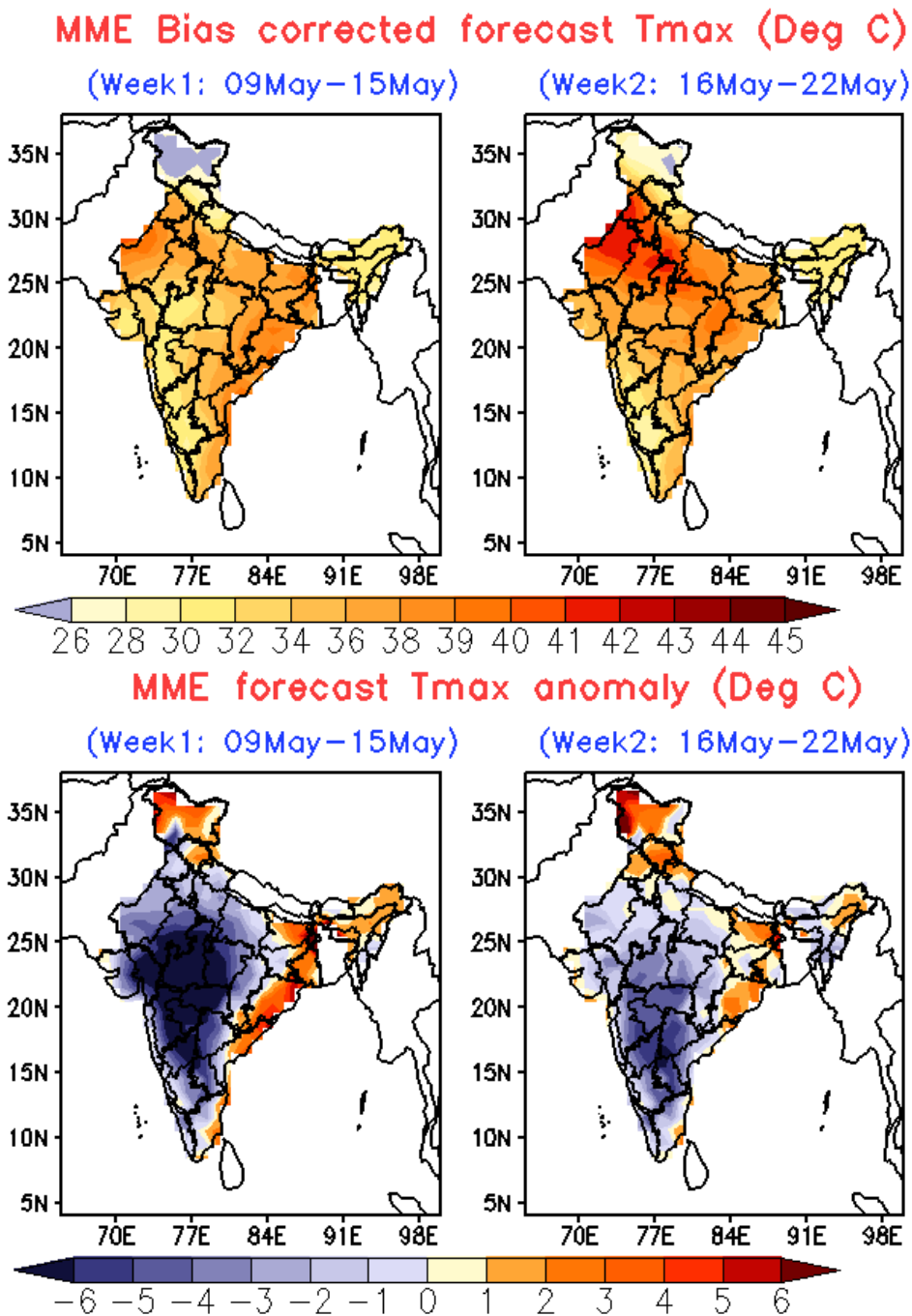








Extended range forecast of weekly distribution of rainfall in mm per day (top panel) and anomalies (lower panel) from IMD MME

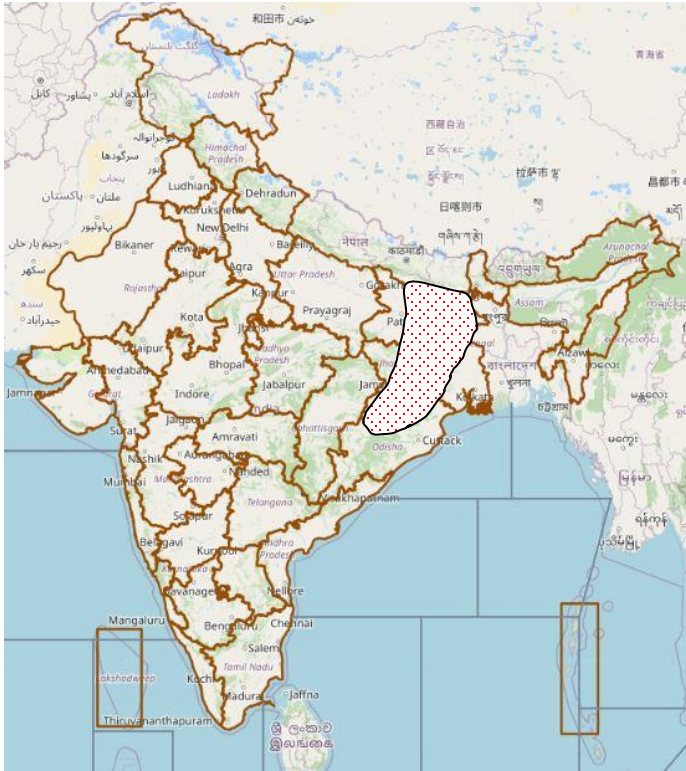


Extended range forecast of weekly distribution of Maximum Temperature in °C (top panel) and anomalies (lower panel) from IMD Bias Corrected Forecast

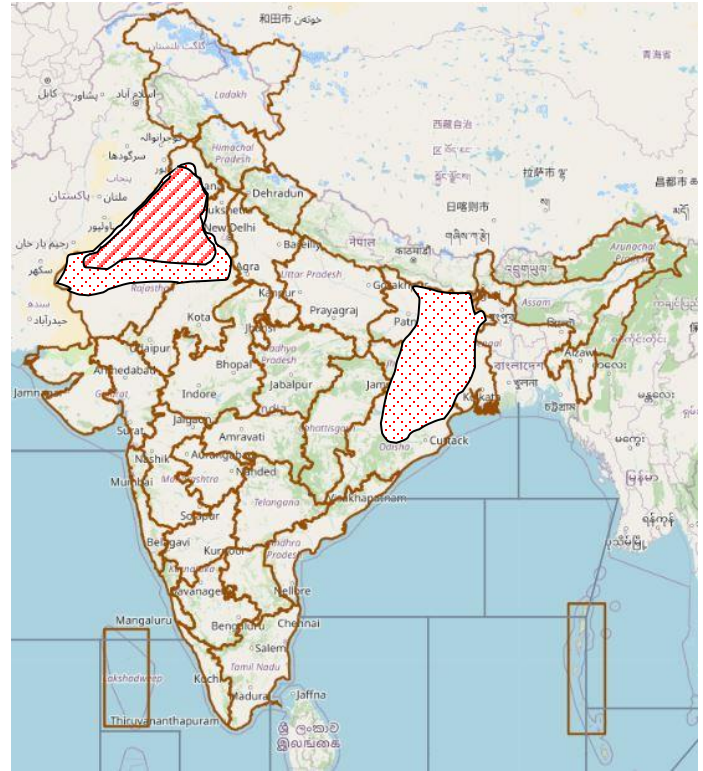
## Heat Wave forecast during next 2 weeks

### EXTENDED RANGE OUTLOOK FOR HEATWAVE

**Week1: 09.05.2025- 15.05.2025**



**Week2: 16.05.2025- 22.05.2025**



**PROBABILITY OF HEATWAVE**

**CONFIDENCE**

**LOW (1-33% PROBABILITY)**

**MODERATE (34-67% PROBABILITY)**

**HIGH (68-100% PROBABILITY)**

