

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

Press Release: Dated: 03rd July, 2025

Subject: Current Weather Status and Extended range Forecast for the next two weeks (03rd to 16th July 2025)

1. Salient Observed Features for the week ending 02nd July 2025:

- ❖ **The Southwest Monsoon covered the entire country on 29th June including National Capital Delhi:** Southwest monsoon has further advanced over remaining parts of Punjab, and some more parts of Rajasthan, and Haryana on 26th June; further advanced into remaining parts of Rajasthan, West Uttar Pradesh and Haryana and entire Delhi on 29th June. Thus, it has covered the entire country on 29th June, against the normal date of 08th July (9 days before the normal date of covering the entire India).
- ❖ **Excess to Large Excess rainfall activities over the most meteorological sub-divisions of central and northwest India including Western Himalayan region during the week.** The weekly cumulative rainfall in terms % departure from normal was more than +80% for West & East Rajasthan, West Madhya Pradesh, West Uttar Pradesh, Punjab, Haryana, Chandigarh & Delhi, Uttarakhand, and Himachal Pradesh with highest departure of +195% for Himachal Pradesh. In eastern parts of India, Odisha and Jharkhand received +100% and +66% during the week in terms of % departure from normal respectively.
- ❖ **Three major factors caused excess rainfall across central and northwest India:** 1) Formation of three Low Pressure Systems with two over Northwest Bay of Bengal & neighbourhood (26th -27th June; 28th -29th June, 29th June – 2nd July) and one over Saurashtra & Kutch (2nd system during 28th – 29th June) during the week, 2) Monsoon trough along its normal or south of the normal position and 3) east-west shear line at middle and lower tropospheric levels across central India. On day to day, these systems also caused heavy to very heavy rainfall with isolated extremely heavy rainfall spells over these areas.
- ❖ **Very heavy to extremely heavy rainfall spell observed** mainly over Odisha during 26th June- 2nd July, Jharkhand on 29th & 30th June, West Madhya Pradesh during 26th June -2nd July, East Madhya Pradesh during 28th June- 2nd July and East Rajasthan on 27th June & 1st – 2nd July and Himachal Pradesh during 27th June- 1st July. Extremely heavy rainfall reported over Odisha and Jharkhand on 29th June, Himachal Pradesh, East Uttar Pradesh and West Madhya Pradesh on

1st July, East Rajasthan on 2nd July. This rain spell **caused floods over North Odisha, Jharkhand and floods and Landslides mainly over Himachal Pradesh.**

- ❖ Heavy to very heavy rainfall was recorded at isolated places Jammu-Kashmir, and Coastal Karnataka on 26th June, Tamil Nadu Puducherry & Karaikal on 26th & 27th June, South Interior Karnataka and Gujarat Region on 26th & 27th June & 2nd July, Odisha on 26th, 27th & 30th June, 1st & 2nd July, West Madhya Pradesh on 26th, 27th, 30th June & 2nd July, Vidarbha on 26th, 27th June & 1st July, Kerala & Mahe, and Saurashtra & Kutch on 27th June, Madhya Maharashtra on 27th June, 1st & 2nd July, Himachal Pradesh on 27th, 29th & 30th June, East Rajasthan on 27th June & 1st July, Uttarakhand on 28th & 30th June, East Madhya Pradesh on 28th June, 1st & 2nd July, Andaman & Nicobar Island on 28th & 29th June, Haryana, and Assam & Meghalaya on 29th June, Jharkhand, West Uttar Pradesh, and Bihar on 30th June, Chhattisgarh on 1st July, Konkan & Goa on 2nd July.
- ❖ **Weekly Average Maximum temperature** was above normal by 1-3°C over parts of north and northeast India, below normal by 2-4°C over parts of west, northwest, central and east 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 India, and nearly normal over remaining parts of the country during the week.
- ❖ **Analysis of weekly overall rainfall distribution during the week-ending on 02nd July and Monsoon Season's Rainfall Scenario (1st June – 02nd July 2025):** The country as a whole, the weekly cumulative All India Rainfall (for 26th June to 02nd July 2025) was +19% departure from its long period average (LPA). All India Seasonal cumulative rainfall departure during this year's monsoon Season Rainfall (01st June to 02nd July 2025) was +11%. 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		
	26.06.2025 TO 02.07.2025			01.06.2025 TO 02.07.2025		
	Actual (mm)	Normal (mm)	Departure (%)	Actual (mm)	Normal (mm)	Departure (%)
EAST & NORTHEAST INDIA	58	96.3	-40%	293.5	356.8	-18%
NORTHWEST INDIA	49.7	31.6	+57%	125.8	86.9	+45%
CENTRAL INDIA	91.9	61.9	+49%	241.2	188.1	+28%
SOUTH PENINSULA	44.7	40.9	9%	170.3	172.6	-1%
THE COUNTRY AS A WHOLE	64.3	53.9	+19%	200.1	180.8	+11%

2. Large scale features:

- ❖ Currently, Neutral El Niño–Southern Oscillation (ENSO) conditions prevail over the Equatorial Pacific Ocean. Forecasts from the latest Monsoon Mission Climate Forecast System (MMCFS) and other climate models suggest that these neutral conditions likely to persist till the end of the monsoon season.
- ❖ Currently, neutral Indian Ocean Dipole (IOD) conditions are being observed over the Indian Ocean. The model forecast indicates a possible transition to negative IOD conditions during the coming months.
- ❖ At present, neutral Indian Ocean Dipole (IOD) conditions are observed over the Indian Ocean. The latest MMCFS forecast indicates that weak negative IOD conditions are likely to develop during the monsoon season.
- ❖ Madden-Julian Oscillation (MJO) is currently in phase 2 with an amplitude less than 1. The model forecasts indicate that MJO is likely to make a loop in phase 2 during first half of the week with the same amplitude. Thereafter, it is indicated to move eastwards across phases 3,4 and 5 during the remaining days of the forecast period.

❖ 3. Forecast for the next two weeks:

Weather systems & associated Precipitation during Week 1 (03 to 09th July, 2025) and Week 2 (10th to 16th July, 2025)

Advance of Southwest Monsoon:

- ❖ **The Southwest Monsoon covered the entire country on 29th June including National Capital Delhi:** Southwest monsoon has further advanced over remaining parts of Punjab, and some more parts of Rajasthan, and Haryana on 26th June; further advanced into remaining parts of Rajasthan, West Uttar Pradesh and Haryana and entire Delhi on 29th June. Thus, it has covered the entire country on 29th June, against the normal date of 08th July (9 days before the normal date of covering the entire India).
- ❖ The Monsoon Trough at mean sea level passes through Bikaner, Sheopur, Khajuraho, Daltonganj, Digha and thence east southeastwards to northeast Bay of Bengal

Weather systems & associated Precipitation during Week 1 (03rd to 09th July, 2025):

- ❖ A Monsoon trough at mean sea level runs south of its normal position.
- ❖ An off-shore trough at mean sea level runs along Maharashtra-Karnataka coasts.
- ❖ A cyclonic circulation lies over central parts of west Rajasthan and another over Northeast Madhya Pradesh in lower tropospheric levels.
- ❖ An upper air cyclonic circulation over north Odisha adjoining Gangetic west Bengal in lower & middle tropospheric levels tilting southwestwards with height.

- ❖ A trough runs from northeast Arabian Sea to northwest Bay of Bengal across central India lower & middle tropospheric levels tilting southwestwards with height.
- ❖ A cyclonic circulation lies over central Assam in lower tropospheric levels.

West India:

- ✓ Extremely heavy rainfall very likely at isolated places over south Konkan (south coastal Maharashtra) & Goa on 03rd Ghat areas of Madhya Maharashtra on 03rd, 06th & 07th July.
- ✓ Heavy to very heavy rainfall at isolated places likely over Konkan & Goa, Ghat areas of Madhya Maharashtra, Gujarat region and heavy rainfall over Saurashtra & Kutch during next 7 days.
- ✓ Light/moderate rainfall at most/many places accompanied with accompanied with thunderstorm, lightning & gusty winds speed reaching 30-40 Kmph likely over the region during next 7 days.

Northwest India:

- ✓ Extremely heavy rainfall very likely at isolated places over East Rajasthan on 03rd July.
- ✓ Isolated heavy rainfall likely over Himachal Pradesh, Uttarakhand, East Rajasthan, Punjab during 03rd-09th July; East Uttar Pradesh, West Rajasthan during 03rd-05th; Haryana, Chandigarh, West Uttar Pradesh during 05th-09th; Jammu during 05th-08th July with very heavy rainfall over Himachal Pradesh during 05th-07th; Uttarakhand, Punjab, Haryana on 06th & 07th and East Rajasthan during 04th-06th; West Rajasthan on 03rd July.
- ✓ Light/moderate rainfall at most/many places accompanied with thunderstorm, lightning likely over western Himalayan region and some/many places over the plains during next 7 days.

East & Central India:

- ✓ Isolated heavy rainfall over Madhya Pradesh, Chhattisgarh, Odisha, Jharkhand during 26th June-02nd July; Gangetic West Bengal during 26th-30th, Vidarbha on 26th & 27th; Sub-Himalayan West Bengal & Sikkim, Bihar during 27th-30th June with very heavy rainfall over West Madhya Pradesh on 26th, 27th June, 01st & 02nd July; East Madhya Pradesh on 26th, 30th June & 01st July; Vidarbha and Odisha on 26th; Jharkhand on 26th & 29th June.
- ✓ Light/moderate rainfall at most/many places accompanied with thunderstorm, lightning & gusty winds speed reaching 40-50 kmph likely over Andaman & Nicobar Islands, Madhya Pradesh, Vidarbha, Chhattisgarh, Gangetic West Bengal, Bihar, Jharkhand, Odisha during 26th June- 01st July.

Northeast India:

- ✓ Light/moderate rainfall at most places accompanied with thunderstorm, lightning and isolated heavy to very heavy rainfall likely to continue over Northeast India during next 7 days with isolated extremely heavy falls over Meghalaya on 06th July.

South Peninsular India:

- ✓ Extremely heavy rainfall very likely at isolated places over Coastal & South Interior Karnataka on 03rd July.
- ✓ Isolated heavy rainfall likely over Telangana on 03rd July; Kerala & Mahe, Interior Karnataka during 03rd -06th July, Coastal Karnataka during 03rd-09th July with very heavy rainfall over Kerala and North Interior Karnataka on 03rd; Coastal Karnataka on 04th & 05th and South Interior Karnataka on 04th July.
- ✓ Strong surface winds (speed reaching 40-50 Kmph) very likely over South Peninsular India during next 7 days.
- ✓ Light/moderate rainfall at many/some places over Kerala & Mahe, Lakshadweep, Karnataka, and Telangana; isolated to scattered rainfall accompanied with isolated thunderstorm, lightning over Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal and Rayalaseema during next 7 days.

Precipitation for week 2 (10th to 16th July, 2025):

- ❖ Monsoon trough is likely to be near normal or north of its normal position during the week. As a result, fairly widespread to widespread rainfall with isolated heavy falls likely over many parts of northwest, central, east & northeast India during many days of the week.
- ❖ Due to off-shore trough along the west coast, fairly widespread to widespread rainfall with isolated heavy to very heavy falls likely along west coast during most days of the week.
- ❖ Overall, near normal rainfall activity is likely over most parts of central & south Peninsular India; near normal rainfall activity is also likely over northwest India except Uttar Pradesh, Uttarakhand and Himachal Pradesh, where below normal rainfall activity is likely. Below normal to normal activity including Western Himalayan Region: below normal rainfall activity is also likely over most parts of east & northeast India during the week.

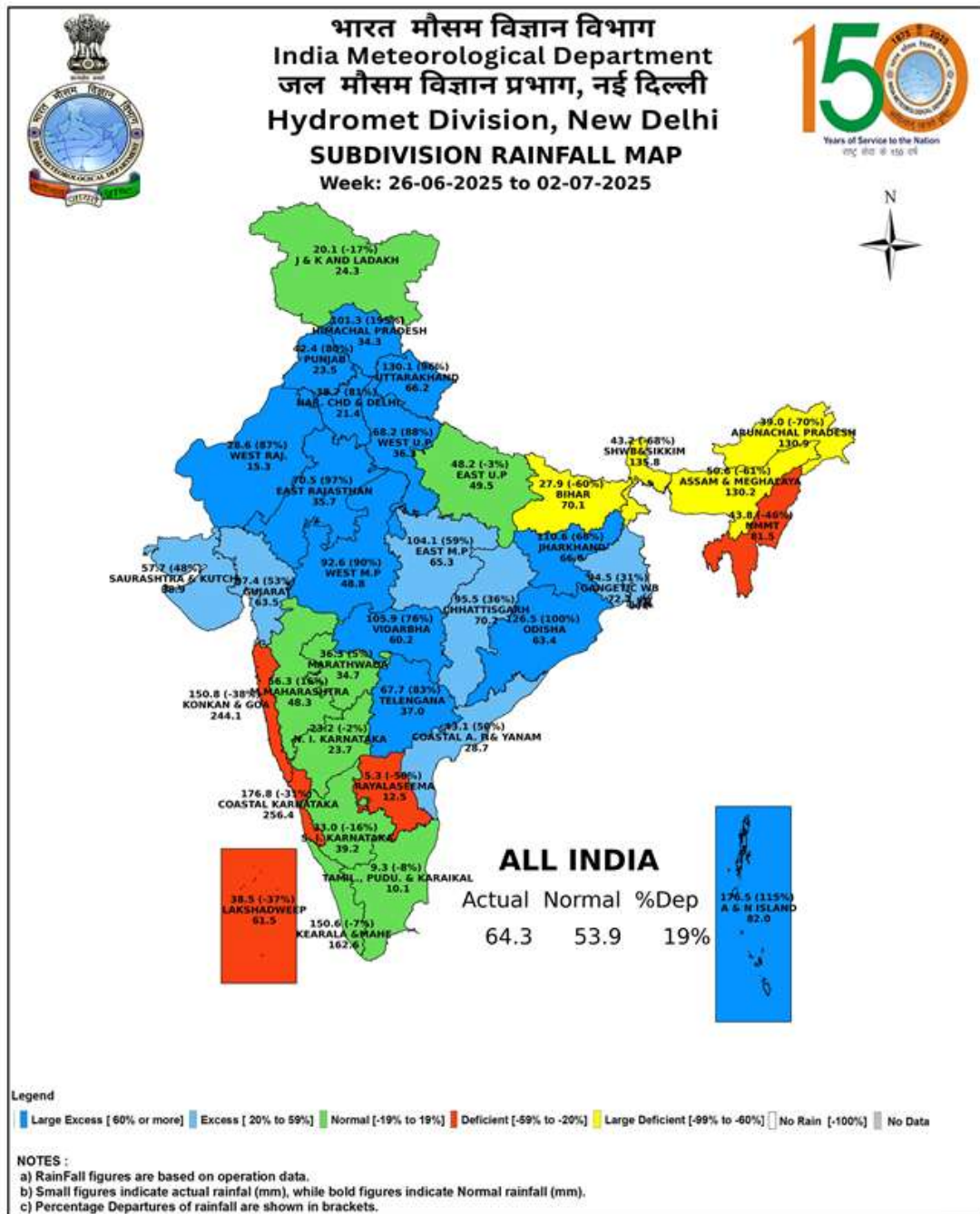
Temperature forecast for Week 1 (03rd to 09th July, 2025) and Week 2 (10th to 16th July, 2025)

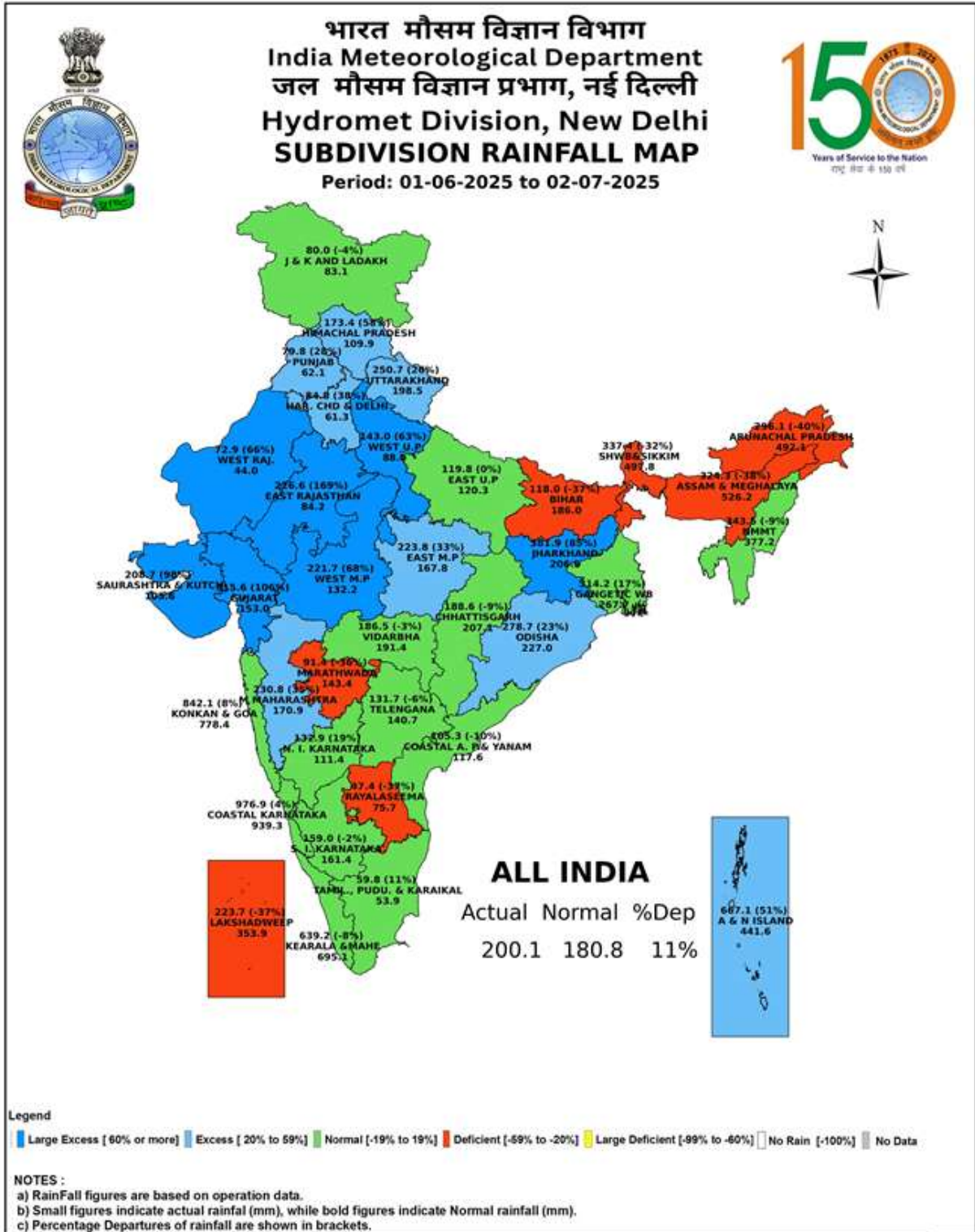
Temperature forecast for Week 1 (03rd to 09th July, 2025):

- ❖ Maximum Temperature Departures (as on 02-07-2025): markedly above normal ($> 5.1^{\circ}\text{C}$) at few places over Arunachal Pradesh; at isolated places over Assam & Meghalaya. appreciably above normal (3.1°C to 5.0°C) at isolated places over Sub Himalayan West Bengal & Sikkim, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Tamil Nadu, Puducherry & Karaikal; above normal (1.6°C to 3.0°C) at few places over Uttarakhand and Himachal Pradesh. It is near normal or below normal over rest parts of the country. The highest maximum temperature of 39.6°C is reported at SRIGANGANAGAR (RAJASTHAN).
- ❖ Maximum temperatures are likely to be above normal by $1-3^{\circ}\text{C}$ over Uttar Pradesh, Bihar and most parts of northeast India. These are likely to be below normal or near normal over rest parts of the country.

Temperature forecast for Week 2 (10 to 16 July, 2025):

- ❖ These are likely to be above normal by $2-4^{\circ}\text{C}$ over many parts of east & northeast India, Uttar Pradesh and many parts of Western Himalayan Region. These are likely to be below normal or near normal over rest parts of the country.



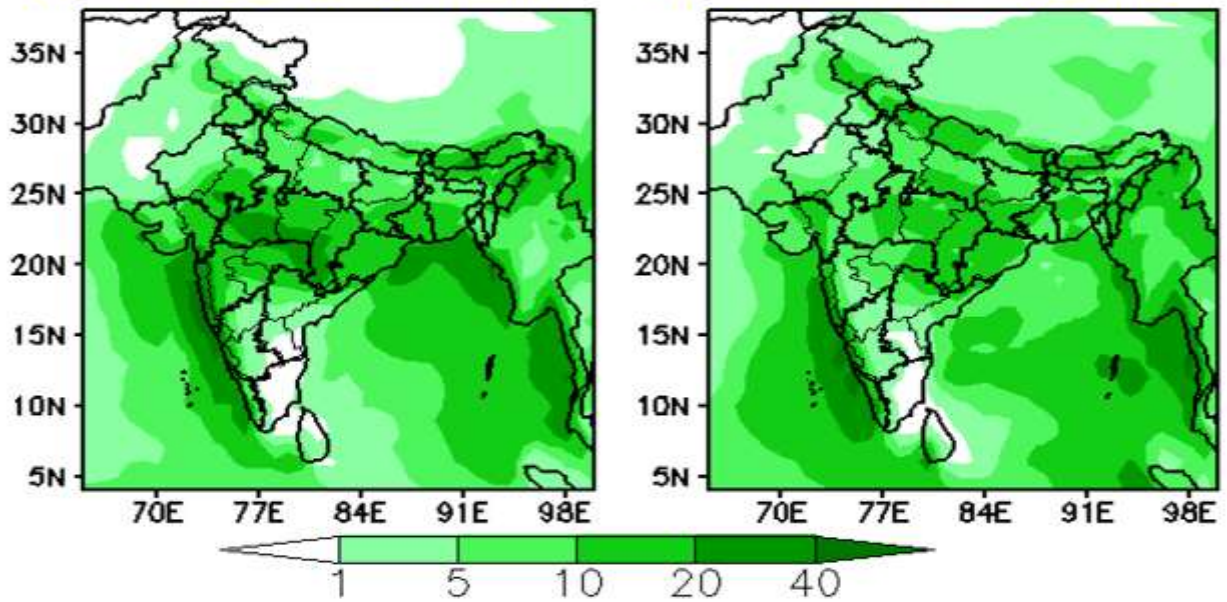


Forecast Rainfall (mm/day)

(00Z=0530 hrs IST)

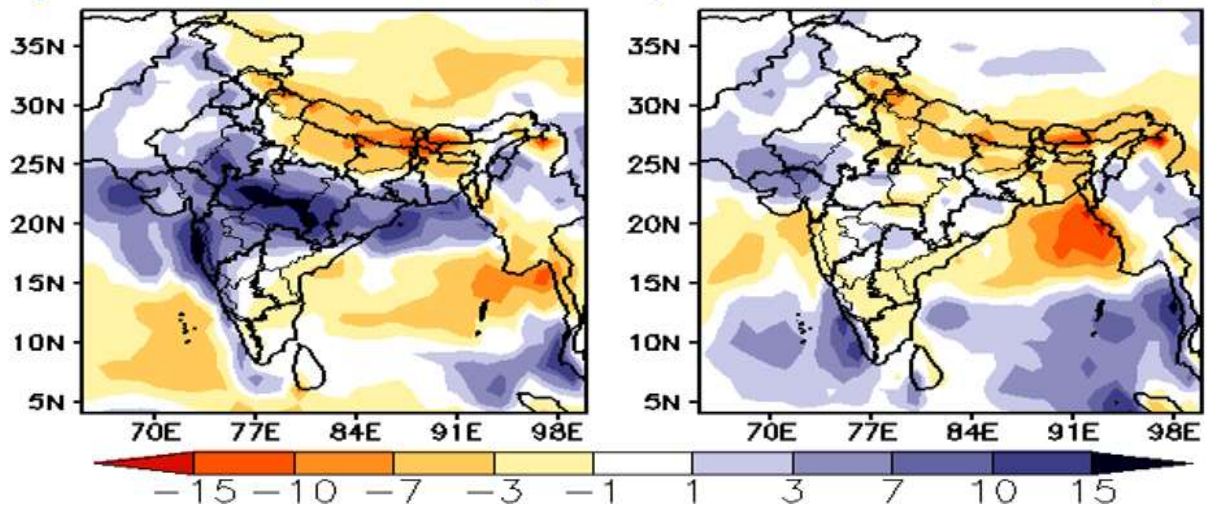
(Week1:00Z03Jul–00Z10Jul)

(Week2:00Z10Jul–00Z17Jul)

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

(Week1:00Z03Jul–00Z10Jul)

(Week2:00Z10Jul–00Z17Jul)

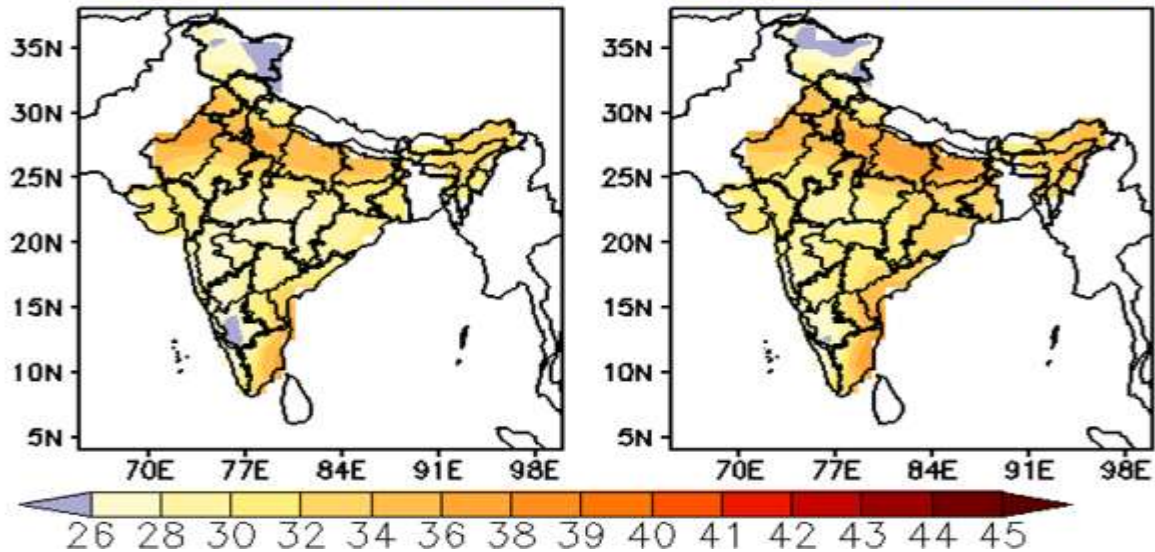


Extended range forecast of weekly distribution of rainfall in mm per day (top panel) and anomalies (lower panel) from IMD MME.

MME Bias corrected forecast Tmax (Deg C)

(Week1: 04Jul–10Jul)

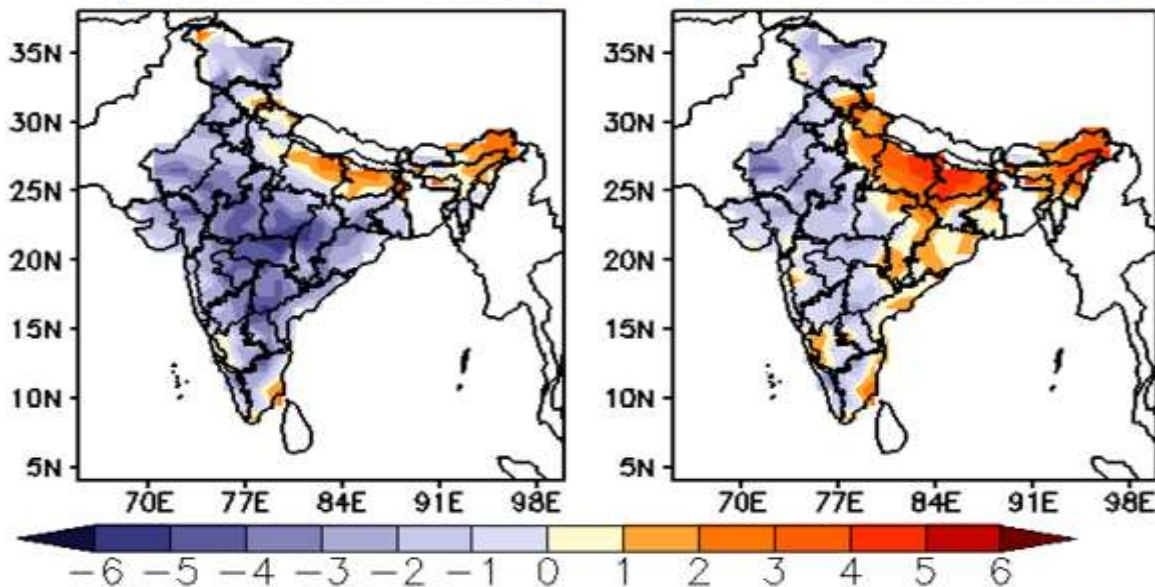
(Week2: 11Jul–17Jul)



MME forecast Tmax anomaly (Deg C)

(Week1: 04Jul–10Jul)

(Week2: 11Jul–17Jul)



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