

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

Press Release: Dated: 28th August 2025

Subject: Current Weather Status and Extended range Forecast for the next two weeks (28th August to 10th September 2025)

1. Salient Observed Features for the week ending 27th August 2025:

- ❖ **Exceptionally heavy rainfall** recorded at isolated places over East Rajasthan [Nainwa (dist Bundi) 50 cm, Patan (dist Bundi) 31 cm] on 23rd August, Jammu region [Udhampur IAF – 63 cm, Jammu – 38 cm] on 27th August. **Very heavy to isolated extremely heavy rainfall spell over west and northwest India** during the week with isolated extremely heavy rainfall over Gujarat Region, Saurashtra & Kutch, Madhya Maharashtra on 21st August, East Rajasthan during 22nd - 24th August, Punjab and Haryana on 25th & 26th August, Jammu & Kashmir on 27th August. It caused landslides over the hilly region in Katra and severe flooding over Jammu, Punjab and parts of Rajasthan along with flash floods in some areas of this region.
- ❖ **All these extremely and exceptionally heavy rainfall events was due to** (i) two upper air cyclonic circulations over the region (ii) slow movement of two successive western disturbances over north India with second western disturbance became active and interacted with monsoonal system having stronger southerly/southeasterly upto 35-45 kts at 700 hPa across Haryana and Jammu region on 26th August, (iii) moisture incursion from both Bay of Bengal and Arabian Sea over the region, (iv) monsoon trough was near its normal position during most days of the week, and (v) formation of two successive low pressure systems over the North Bay of Bengal and their movement across central India. It further supported the gradual northward shift of heavy rainfall zone from north Konark to Jammu region across Gujarat, Rajasthan and Punjab during 21st to 27th August.
- ❖ **Overall, active monsoon conditions prevailed over northwest and central India during the week.** The weekly cumulative rainfall over most of the meteorological sub-divisions of northwest and central India was above normal rainfall during the week. All-India weekly rainfall departure was 37% above than the long period average.
- ❖ Also, extremely heavy rainfall recorded at isolated places over Jharkhand on 23rd August and heavy to very heavy rainfall over Gangetic West Bengal, Bihar,

Jharkhand on 22nd August, East Uttar Pradesh on 23rd & 24th August, Odisha on 23rd August, East Madhya Pradesh, Chhattisgarh on 24th August. It was due to formation of a **Low Pressure Area** over Gangetic West Bengal & neighbourhood and its movement towards central India during 22nd – 25th August.

- ❖ **Formation of a Well-Marked Low Pressure Area over northwest Bay of Bengal off Odisha coast:** A Low Pressure Area formed over northwest Bay of Bengal off Odisha coast at 0530 hrs IST of 26th August. It moved slowly west-northwestwards and lay as a Well-Marked Low Pressure Area over the same region at 0530 hrs IST of 27th August. It caused heavy to very heavy rainfall with isolated extremely heavy rainfall over Chhattisgarh and Telangana on 27th August; heavy to very heavy rainfall was also observed over Chhattisgarh on 26th August and Odisha on 27th August.
- ❖ **Monsoon Trough** ran near its normal position with western end south of its normal position on 21st August; near its normal position during 22nd - 26th August; south of its normal position on 27th August.
- ❖ **Very heavy rainfall** was recorded at isolated places over Konkan & Goa on 21st & 27th August, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya on 21st & 22nd August, Himachal Pradesh on 21st, 25th & 26th August, West Madhya Pradesh during 21st – 23rd August, East Madhya Pradesh on 21st & 24th August, West Rajasthan on 22nd & 25th August, Tamil Nadu, Puducherry & Karaikal on 22nd & 23rd August, Gangetic West Bengal, Bihar, Jharkhand on 22nd August, East Uttar Pradesh on 23rd & 24th August, Odisha on 23rd & 27th August, Uttarakhand, Haryana, Gujarat Region on 23rd August, Chhattisgarh on 24th & 26th August, Jammu & Kashmir, Punjab, Saurashtra & Kutch on 24th August, East Rajasthan on 25th August, Madhya Maharashtra on 26th August, Lakshadweep, Coastal Karnataka on 27th August.
- ❖ **Heavy rainfall** was recorded at isolated places over Punjab on 21st, 23rd & 27th August, Haryana on 21st, 24th & 27th August, East Uttar Pradesh on 21st, 22nd, 25th & 26th August, East Rajasthan on 21st & 26th August, Bihar on 21st & 23rd – 26th August, Jharkhand on 21st & 24th August, Odisha on 21st, 22nd & 24th – 26th August, Arunachal Pradesh on 21st & 25th August, Chhattisgarh on 22nd & 23rd August, Madhya Maharashtra on 22nd & 27th August, Nagaland, Manipur, Mizoram & Tripura on 22nd, 23rd, 26th & 27th August, Assam & Meghalaya during 22nd – 25th & 27th August, Gujarat Region on 22nd & 24th – 26th August, West Rajasthan on 23rd & 24th August, East Madhya Pradesh on 23rd & 25th August, Gangetic West Bengal, Rayalaseema on 23rd August, West Madhya Pradesh on 24th, 25th & 27th August, Uttarakhand on 24th, 26th & 27th August, Himachal Pradesh on 24th August, Jammu & Kashmir, Andaman & Nicobar Islands on 25th August, Jammu-Kashmir, Konkan & Goa, Coastal Andhra Pradesh & Yanam on 26th August, Vidarbha, Sub-Himalayan West Bengal & Sikkim, Kerala & Mahe, North Interior Karnataka, South Interior Karnataka on 27th August.

- ❖ **Weekly Average Maximum temperature** was below normal by 2-4°C over parts of north, west and central India, and nearly normal over rest parts of the country during the week. **Weekly Average Minimum temperature** was nearly normal over the entire country during the week.
- ❖ **Temperature Scenario:** The lowest minimum temperature of **17.8°C** had been recorded at **Durg (Chhattisgarh)** on **27th August, 2025** and the highest maximum temperature of **39.5°C** had been recorded at **Madurai & palayamkottai (Tamilnadu)** on **21st, 25th & 26th, Palyankottai (Tamilnadu)** on **25th August, 2025** over the plains of the country during the week.
- ❖ **Analysis of weekly overall rainfall distribution during the week-ending on 27th August and the Monsoon Season's Rainfall Scenario (01.06.2025 to 27.08.2025):** The country as a whole, the weekly cumulative All India Rainfall (for 14th to 20th August 2025) in % departure from its long period average (LPA) is +22%. All India Seasonal cumulative rainfall % departure during this year's Monsoon Season Rainfall (01st June to 20th August 2025) is 02%. 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 II & III, respectively.

Table 1: Rainfall status (Week and season)

Region	Week			Season		
	21.08.2025 TO 27.08.2025			01.06.2025 TO 27.08.2025		
	Actual (mm)	Normal (mm)	Departure (%)	Actual (mm)	Normal (mm)	Departure (%)
EAST & NORTHEAST INDIA	69.2	76.8	-10%	861.3	1047.8	-18%
NORTHWEST INDIA	95.7	39.5	+142%	572.8	466.2	+23%
CENTRAL INDIA	79.8	59.1	+35%	833.2	762.1	+9%
SOUTH PENINSULA	22.0	40.6	-46%	562.9	535.2	+5%
THE COUNTRY AS A WHOLE	71.6	52.3	+37%	704.5	672.1	+5%

2. Large scale features:

- ❖ Currently, neutral El Niño–Southern Oscillation (ENSO) conditions are prevailing over the equatorial Pacific region. Forecasts from the Monsoon Mission Climate Forecast System (MMCFS), along with other climate models, suggest that these neutral conditions are likely to persist throughout the monsoon season. However, there is an increased likelihood of La Niña conditions developing during the post-monsoon season.

- ❖ At present, neutral Indian Ocean Dipole (IOD) conditions are prevailing over the Indian Ocean. Forecasts from the MMCFS and other climate models indicate that weak negative IOD conditions are likely to develop towards the end of the monsoon season, persisting for a brief period.
- ❖ MJO is currently in Phase 4 with amplitude < 1 . It is likely to migrate to Phase 5 during the initial days of week 1 with amplitude remaining < 1 . By the middle of week 1, it is likely to migrate to Phase 6 and by the end of the week to Phase 7 and Phase 8 with amplitude remaining < 1 . By the start of Week 2, it is likely to move to Phase 1 with amplitude remaining < 1 . It will remain in Phase 1 for the entire duration of week 2.

3. Forecast for the next two weeks

Weather systems & associated Precipitation during Week 1 (28 August to 03 September 2025) and Week 2 (04 to 10 September 2025)

Weather systems & associated Precipitation during Week 1 (28 August to 03 September 2025)

- ❖ The western end of Monsoon trough runs near normal position and eastern end to the south of its normal position.
- ❖ Yesterday's **Well Marked low Pressure Area** over northwest Bay of Bengal off Odisha coast moved west-northwestwards and weakened into a Low Pressure area over South Odisha & adjoining Chhattisgarh at 0530 hrs IST of today. It lay over central parts of Chhattisgarh & neighbourhood at 0830 hrs IST of today, the 28th August 2025.
- ❖ A **Western Disturbance** as a **cyclonic circulation** lay over north Pakistan & adjoining Punjab in lower & middle tropospheric levels.
- ❖ A **shear zone** runs roughly along Lat. 17°N over the Indian region at middle tropospheric levels.

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

South Peninsular India:

- ❖ Heavy to very heavy rainfall with Extremely heavy rainfall very likely at isolated places over Telangana and Coastal Karnataka on 28th August with heavy rainfall over Telangana during subsequent 2 days and heavy to very heavy rainfall over Coastal Karnataka during subsequent 6 days.
- ❖ Isolated **heavy rainfall** likely over Kerala on 28th & 29th August & on 02nd & 03rd September; Interior Karnataka on 28th & 29th August; Coastal Andhra Pradesh & Yanam on 28th August & 03rd September with **very heavy rainfall over Interior Karnataka, Tamil Nadu and Kerala on 28th August.**
- ❖ Light to moderate rainfall at most/many places accompanied with thunderstorm & lightning likely over the region during next 7 days.

East & Central India:

- ❖ Isolated **heavy rainfall** likely over Chhattisgarh, East Madhya Pradesh during next 7 days; Sub-Himalayan West Bengal & Sikkim, Vidarbha during 28th-30th; West Madhya Pradesh during 28th August-01st September; Bihar during 30th August-01st September; Jharkhand on 30th August; Odisha during 31st August-03rd September with isolated **very heavy rainfall over Vidarbha, Sub-Himalayan West Bengal on 28th August.**
- ❖ Light to moderate rainfall at most/many places accompanied with thunderstorm & lightning likely over the region during next 7 days.

West India:

- ❖ **Isolated heavy rainfall** is very likely over Gujarat region, Konkan & Goa, Madhya Maharashtra during next 7 days with **very heavy rainfall** over Konkan, Goa, Marathawada on 28th; Ghat areas of Madhya Maharashtra on 28th & 29th August.
- ❖ Light to moderate rainfall at most/many places very likely over the region during next 7 days.

Northwest India:

- ❖ **Isolated heavy rainfall** likely to continue over Uttarakhand, Himachal Pradesh, East Rajasthan during next 7 days; Jammu & Kashmir, Punjab, Haryana during 29th August-02nd September; West Rajasthan on 30th & 31st August; West Uttar Pradesh during 31st August-02nd September; East Uttar Pradesh on 01st & 02nd September with **isolated very heavy rainfall very likely over Uttarakhand on 28th & 29th August, 01st & 02nd September and East Rajasthan on 31st August.**
- ❖ Light/moderate rainfall at most/many places over Northwest India and accompanied with thunderstorm & lightning likely over Uttar Pradesh, Himachal Pradesh on 28th; West Rajasthan on 28th & 29th August; Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Uttarakhand during next 7 days.

Northeast India:

- ❖ Isolated **heavy rainfall** likely to continue over Arunachal Pradesh during 28th-30th August; Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura on 28th & 29th August, 01st & 02nd September.
- ❖ Light/moderate rainfall at many places accompanied with thunderstorm & lightning likely during next 5 days.

Precipitation for week 2 (04 to 10 September 2025):

- ❖ The monsoon trough at mean sea level is likely to run near its normal position at mean sea level during most days of the week.

- ❖ Fairly widespread to widespread rainfall with isolated heavy to very falls likely over many parts of northwest & central India (especially East Rajasthan, Madhya Pradesh and Chhattisgarh) during many days of the week.
- ❖ Fairly widespread to widespread rainfall with isolated heavy falls also likely over many parts of east & northeast India during many days of the week.
- ❖ Overall, rainfall activity is likely to be normal to above normal over most parts of northwest & central India; near normal over most parts of east & northeast; below normal over many parts of south Peninsular India during the week.

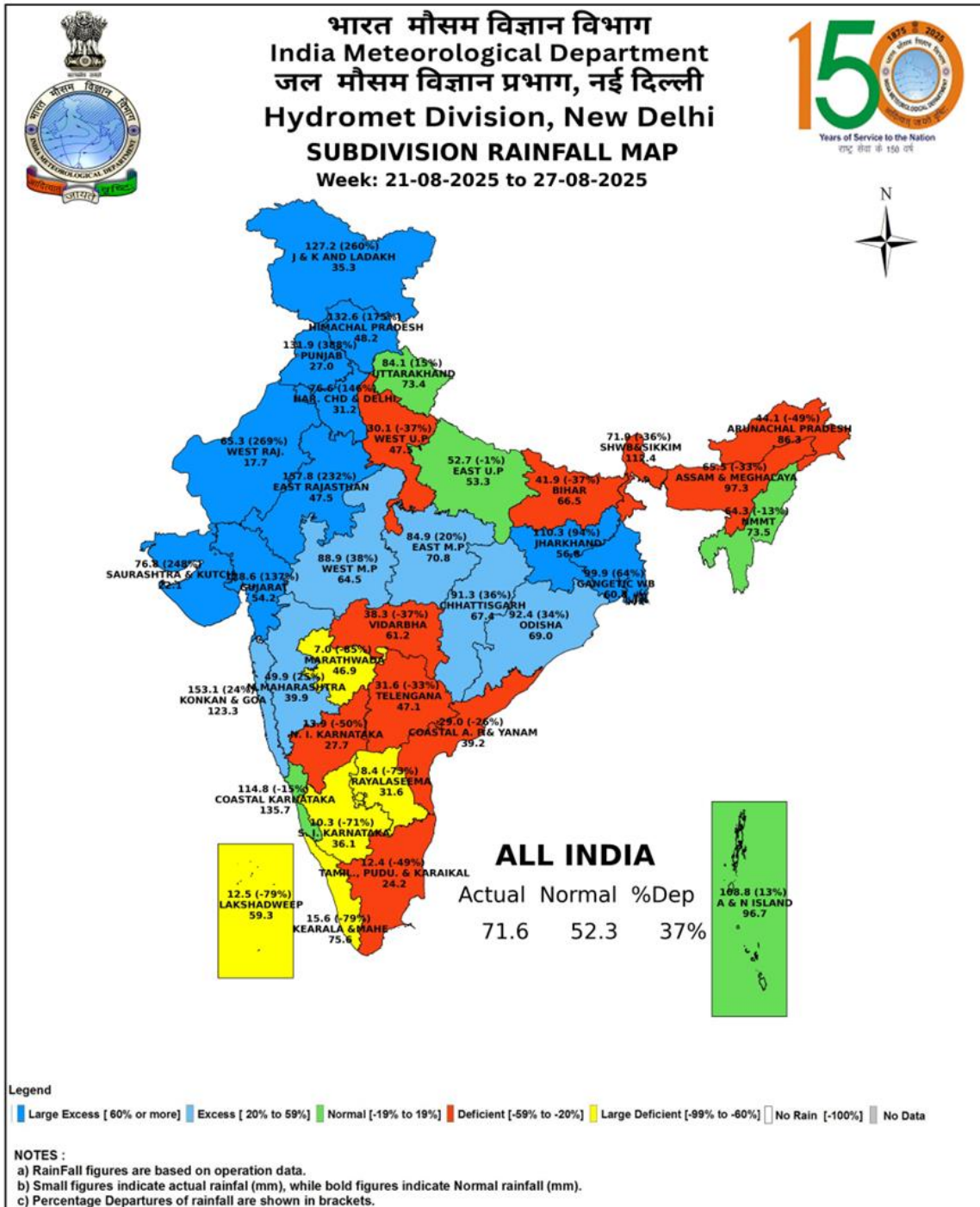
Temperature forecast for Week 1 (28 August to 03 September 2025) and Week 2 (04 to 10 September 2025)

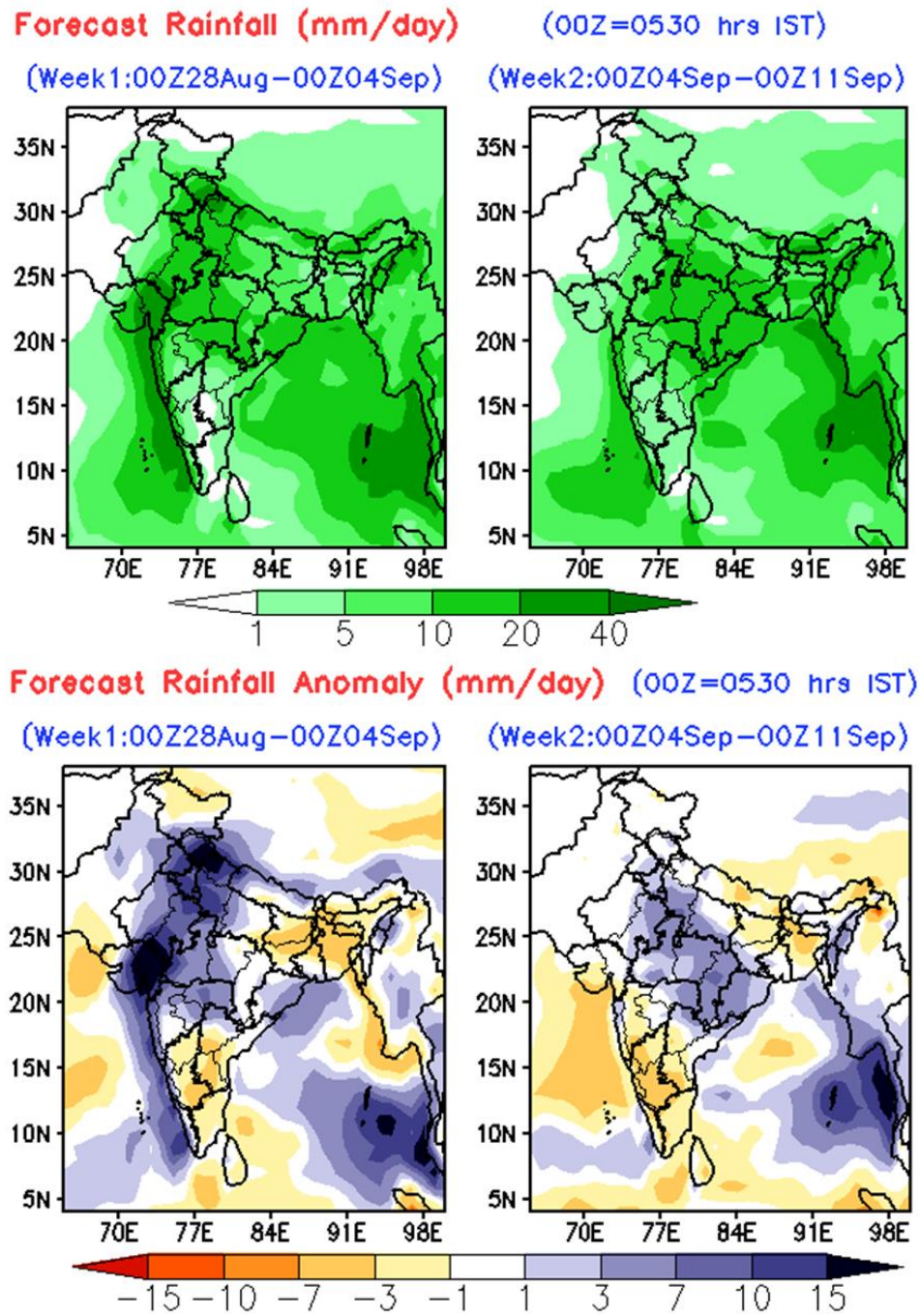
Temperature forecast for Week 1 (28 August to 03 September 2025):

- ❖ **Maximum Temperature Departures (as on 27-08-2025):** appreciably above normal(3.1°C to 5.0°C) at isolated places over Assam & Meghalaya, Odisha, East Uttar Pradesh and East Madhya Pradesh. above normal(1.6°C to 3.0°C) at many places over Chhattisgarh; at few places over Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, Bihar, Uttarakhand and West Madhya Pradesh; at isolated places over Gangetic West Bengal, West Uttar Pradesh, Haryana-Chandigarh-Delhi, Himachal Pradesh, Saurashtra & Kutch, Vidarbha and Tamil Nadu, Puducherry & Karaikal. These are near normal or below normal over rest parts of the country. The highest maximum temperature of 37.9°C is reported at PALAYAMKOTTAI (TAMIL NADU).
- ❖ Overall, maximum temperatures are likely to be near normal or below normal over most parts of the country except some parts of east & northeast India, where these are likely to be slightly above normal by about 2°C during the week.

Temperature forecast for Week 2 (04 to 10 September 2025):

- ❖ Maximum temperatures are likely to be near normal or below normal over most parts of the country except many parts of east & northeast India, where these are likely to be above normal by $2-3^{\circ}\text{C}$ during the week.



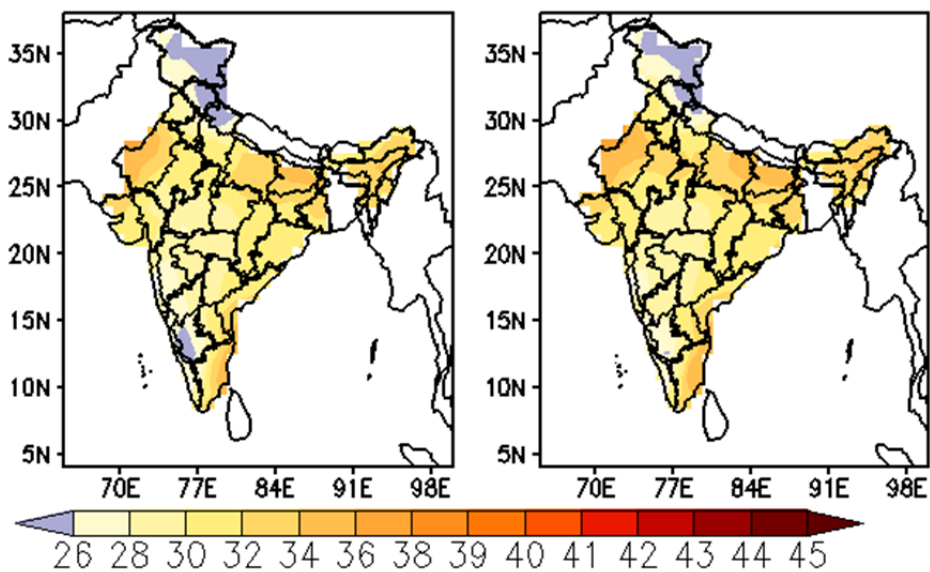


Extended range forecast of weekly distribution of rainfall in mm per day (top panel) and anomalies (lower panel) from IMD MME

MME Bias corrected forecast Tmax (Deg C)

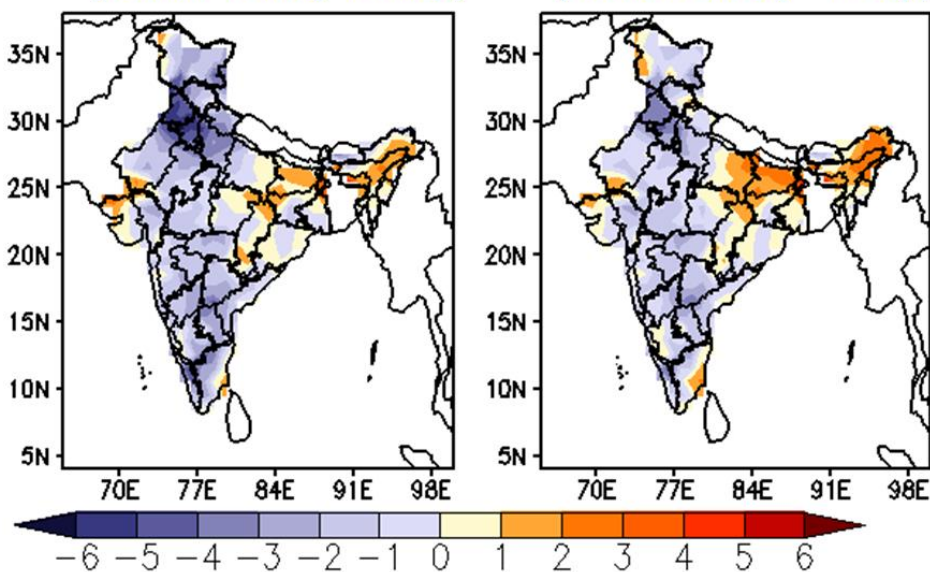
(Week1: 29Aug–04Sep)

(Week2: 05Sep–11Sep)

**MME forecast Tmax anomaly (Deg C)**

(Week1: 29Aug–04Sep)

(Week2: 05Sep–11Sep)



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