

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

Press Release: Dated: 25th September 2025

Subject: Current Weather Status and Extended range Forecast for the next two weeks (25th September to 08th October 2025)

1. Salient Observed Features for the week ending 24th September 2025:

- ❖ **Further Withdrawal of the Southwest Monsoon:** The southwest monsoon further withdrawn from some more parts of Gujarat, Rajasthan, Haryana and Punjab on 22nd September 2025. It further withdrawn from remaining parts of Punjab, Haryana, Chandigarh & Delhi; some more parts of Gujarat & Rajasthan; and some parts of Madhya Pradesh, Uttar Pradesh, Uttarakhand, Himachal Pradesh and Jammu & Kashmir on 24th September 2025. The line of withdrawal of southwest monsoon passed through 37.5°N/73°E, Rampur Bushahr, Haridwar, Muradabad, Etawah, Banswara, Vallabh Vidyanagar, Veraval, 20.5°N/69°E on 24th September.
- ❖ **Formation of a Low Pressure Area over northeast Bay of Bengal & neighborhood on 22nd September and its west-northwestward movement towards coastal Gangetic West Bengal and north Odisha:** Under the influence of an upper air cyclonic circulation over northeast Bay of Bengal adjoining Myanmar-south Bangladesh coasts, a **Low Pressure Area** formed over northeast Bay of Bengal & neighborhood at 0530 hrs IST of 22nd September. It moved west-northwestwards and lay over coastal areas of Gangetic West Bengal and adjoining north Odisha & northwest Bay of Bengal at 0830 hrs IST of 23rd September. It lay over North Odisha and adjoining areas of Northwest Bay of Bengal & Gangetic West Bengal at 0530 hours IST of 24th September and became less marked at 1730 hrs IST of the same day. It caused **extremely heavy rainfall** at isolated places of Gangetic West Bengal on 23rd September and Odisha on 24th September. **Heavy to very heavy rainfall** was also recorded at isolated places over Jharkhand and Chhattisgarh on 24th September.
- ❖ **Very heavy rainfall** was recorded at isolated places over Himachal Pradesh, Sub-Himalayan West Bengal & Sikkim on 18th & 19th September, Bihar on 18th, 19th & 21st September, Telangana on 18th, 22nd & 23rd September, Rayalaseema on 18th & 20th September, Uttarakhand, East Madhya Pradesh, Assam & Meghalaya on 18th September, Andaman & Nicobar Islands, East Rajasthan, Konkan & Goa on 19th September, Tamil Nadu, Puducherry & Karaikal on 19th & 22nd September, Gujarat

Region on 21st & 23rd September, Marathawada on 21st & 22nd September, Madhya Maharashtra on 22nd & 23rd September, Chhattisgarh, Jharkhand, Nagaland, Manipur, Mizoram & Tripura on 24th September.

❖ **Heavy rainfall** was recorded at isolated places over Haryana on 18th September, West Uttar Pradesh on 18th & 19th September, East Uttar Pradesh during 18th – 20th September, West Madhya Pradesh during 18th – 23rd September, Odisha on 18th & 21st – 23rd September, Gujarat Region on 18th & 20th September, Konkan & Goa on 18th, 21st & 23rd September, Madhya Maharashtra during 18th – 20th & 24th September, South Interior Karnataka on 18th, 19th & 23rd September, North Interior Karnataka on 18th, 19th & 21st – 23rd September, Coastal Karnataka on 18th & 24th September, Tamil Nadu, Puducherry & Karaikal on 18th & 20th September, Arunachal Pradesh, Assam & Meghalaya on 19th & 24th September, East Madhya Pradesh on 19th & 20th September, Marathwada on 19th, 20th & 23rd September, Chhattisgarh, Rayalaseema on 19th September, East Rajasthan during 20th – 22nd September, Nagaland, Manipur, Mizoram & Tripura on 20th, 22nd & 23rd September, Jharkhand during 20th – 23rd September, Bihar on 20th & 23rd September, Andaman & Nicobar Islands on 20th & 24th September, Sub-Himalayan West Bengal & Sikkim on 20th & 23rd September, Coastal Andhra Pradesh & Yanam on 21st, 22nd & 24th September, Gangetic West Bengal, Telangana on 21st & 24th September, Saurashtra & Kutch on 23rd September.

❖ **Weekly Average Maximum temperature** was above normal by 1-3°C over parts of north & northeast India and along the Himalayan foothills during the second half of the week. It was nearly normal over rest parts of the country during the week. **Weekly Average Minimum temperature** was above normal by 1-3°C over parts of north India and along the Himalayan foothills, and nearly normal over the entire country during the week.

❖ **Temperature Scenario:** The lowest minimum temperature of **15.5°C** had been recorded at **Kalingapatnam (Andhra Pradesh)** on **18th September, 2025** and the highest maximum temperature of **39.5°C** had been recorded at **Sri Ganganagar (Rajasthan)** on **22nd September, 2025** over the plains of the country during the week.

❖ **Analysis of weekly overall rainfall distribution during the week-ending on 24th September and the Monsoon Season's Rainfall Scenario (01.06.2025 to 24.09.2025):** The country as a whole, the weekly cumulative All India Rainfall (ending on 24th September) in % departure from its long period average (LPA) is -03%. All India Seasonal cumulative rainfall % departure during this year's Monsoon Season Rainfall (01st June to 24th September 2025) is 07%. 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		
	18.09.2025 TO 24.09.2025			01.06.2025 TO 24.09.2025		
	Actual (mm)	Normal (mm)	Departure (%)	Actual (mm)	Normal (mm)	Departure (%)
EAST & NORTHEAST INDIA	42.2	64.1	-34%	1072.8	1317.3	-19%
NORTHWEST INDIA	9.8	18.7	-47%	744.7	577.2	29%
CENTRAL INDIA	45.8	37.4	22%	1065.6	955.2	12%
SOUTH PENINSULA	50.9	39.8	28%	741.1	683.0	9%
THE COUNTRY AS A WHOLE	35.2	36.4	-3%	904.3	843.2	7%

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 5 with an amplitude of greater than 1. It is likely to enter phase 6 at the start of week 1 and then subsequently move to phase 7 during the second half of week 1, with amplitude becoming less than 1. During the start of week 2, it is likely to move to phase 8, with an amplitude remaining less than 1. It is likely to remain in phase 8 for the remaining period of week 2, with amplitude becoming greater than one during the end of week 2.

3. Forecast for the next two weeks

Weather systems & associated Precipitation during Week 1 (25 September to 01st October 2025) and Week 2 (02nd to 08th October 2025)

Weather systems & associated Precipitation during Week 1 (25 September to 01st October 2025)

Weather systems and withdrawal of Southwest Monsoon:

- ❖ An upper air cyclonic circulation lay over Westcentral Bay of Bengal and adjoining south Odisha-North Andhra Pradesh coasts extending upto middle tropospheric levels.
- ❖ Another **upper air cyclonic circulation** o lay over eastcentral & adjoining northeast Bay of Bengal extending upto mid-tropospheric levels. It is likely to move nearly westwards gradually. Under its influence, a **low-pressure area** is likely to form over north and adjoining central Bay of Bengal during next 12 hours. Moving nearly westwards, it is very likely to concentrate into a **depression** over northwest and adjoining Westcentral Bay of Bengal off South Odisha- North Andhra Pradesh coasts on 26th September. It is very likely to cross South Odisha-North Andhra Pradesh coasts around 27th September morning.
- ❖ A trough runs from the upper air cyclonic circulation over northwest & adjoining Westcentral Bay of Bengal and adjoining south Odisha-North Andhra Pradesh coasts to south Maharashtra Coast across Telangana, North Interior Karnataka in lower & middle tropospheric levels.
- ❖ **Conditions are favourable for further withdrawal of southwest monsoon from remaining parts of Gujarat, Rajasthan, Himachal Pradesh and Jammu & Kashmir; some more parts of Madhya Pradesh, Uttar Pradesh and Uttarakhand during next 2 days.**

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

East & Central India:

- ❖ Light to moderate rain/thunderstorm at most/many places with isolated **heavy rainfall** likely over Chhattisgarh, Vidarbha during 25th -29th; East Madhya Pradesh on 25th, 29th & 30th; West Madhya Pradesh during 28th -30th; during; Andaman & Nicobar Islands on 25th, 27th September & 01st October; Gangetic West Bengal on 27th; Odisha during 25th-27th September with **very heavy rainfall over Vidarbha on 25th; Odisha on 26th & 27th September.**
- ❖ Thunderstorm & gusty winds (speed reaching 30-50 Kmph) very likely over Andaman & Nicobar Islands, Vidarbha, Chhattisgarh during most days of the week; Gangetic West Bengal, Odisha during 25th-28th September.

West India:

- ❖ Light to moderate rain/thunderstorm at many/some places with **isolated heavy rainfall** likely over Madhya Maharashtra, Konkan & Goa during 26th September- 01st October; Marathwada during 25th -28th; Gujarat Region during 27th- 30th; Saurashtra & Kutch during 28th- 30th September with **very heavy rainfall over Marathwada on 27th September and Madhya Maharashtra, Konkan & Goa on 29th with Extremely heavy rainfall also likely at isolated places over Konkan & Goa and Ghat areas of Madhya Maharashtra on 27th & 28th September.**

Northeast India:

- ❖ Light/moderate rain/thunderstorm at some/isolated places with isolated **heavy rainfall** likely over Assam & Meghalaya on 25th, during 27th September- 01st October; Nagaland, Manipur, Mizoram & Tripura on 25th during 29th September- 01st October and Arunachal Pradesh on 01st October.

South Peninsular India:

- ❖ Light to moderate rain/thunderstorm at many/some places with isolated **heavy rainfall** likely over Telangana, Tamil Nadu, Kerala & Mahe, Coastal Andhra Pradesh & Yanam during 25th -27th; Lakshadweep on 25th& 26th; North Interior Karnataka during 26th - 29th; South Interior Karnataka on 26th; Rayalaseema, Coastal Karnataka on 26th & 27th September with **very heavy rainfall** over Telangana on 25th & 26th and Coastal Andhra Pradesh & Yanam on 26th September.
- ❖ Strong surface winds (speed reaching 40-50 Kmph) very likely over Coastal Andhra Pradesh & Yanam during most days of the week.
- ❖ Strong surface winds (speed reaching 30-40 Kmph) very likely over Rayalaseema during most days of the week; Interior Karnataka during 25th - 27th September.

Precipitation for week 2 (02 to 08 October, 2025):

- ❖ Under the influence of low pressure area, fairly widespread to widespread rainfall with isolated heavy to very heavy falls likely over most parts of northeast India, Maharashtra, Madhya Pradesh, Telangana mainly during 1st half of the week. Isolated extremely heavy rainfall is also likely over Assam & Meghalaya during one or two days of the week.
- ❖ Overall, rainfall activity is likely to be above normal over plains of northwest India, central, east & northeast India; near normal over many parts of south Peninsular India during the week.

Temperature forecast for Week 1 (25 September to 01 October, 2025) and Week 2 (02 to 08 October, 2025)**Temperature forecast for Week 1 (25 September to 01 October, 2025):**

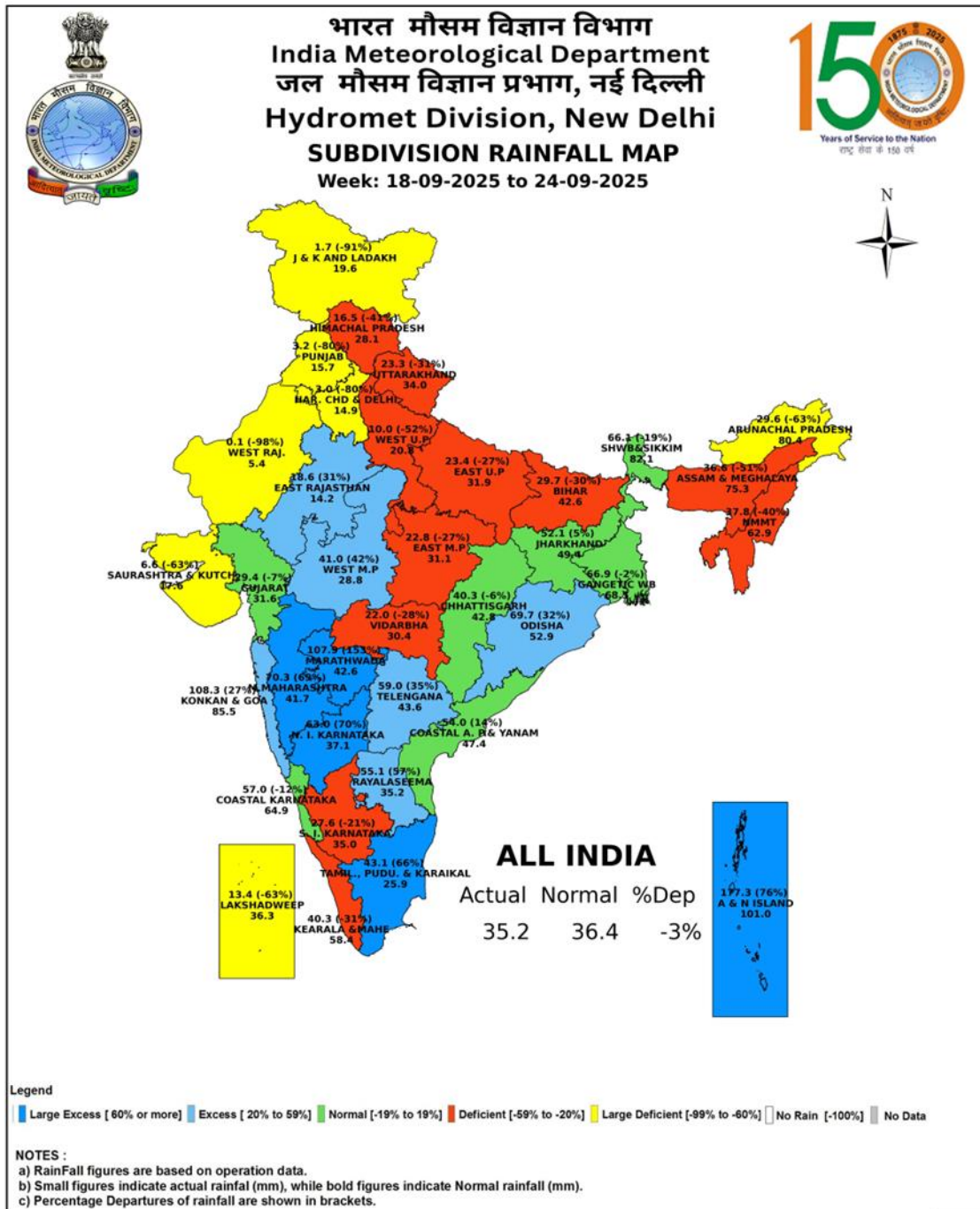
- ❖ **Maximum Temperature Departures (as on 24-09-2025):** markedly above normal(> 5.1°C) at few places over Sub Himalayan West Bengal & Sikkim; at isolated places over Assam & Meghalaya, Odisha, Himachal Pradesh and Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; appreciably above normal (3.1°C to 5.0°C) at few places over Arunachal Pradesh, East Uttar Pradesh and Uttarakhand; at isolated places over Bihar, West Uttar Pradesh and Tamil Nadu, Puducherry & Karaikal. above normal(1.6°C to 3.0°C) at many places over Nagaland, Manipur, Mizoram & Tripura; at few places over Haryana-Chandigarh-Delhi and Punjab; at isolated places over Gangetic West Bengal, West Rajasthan,

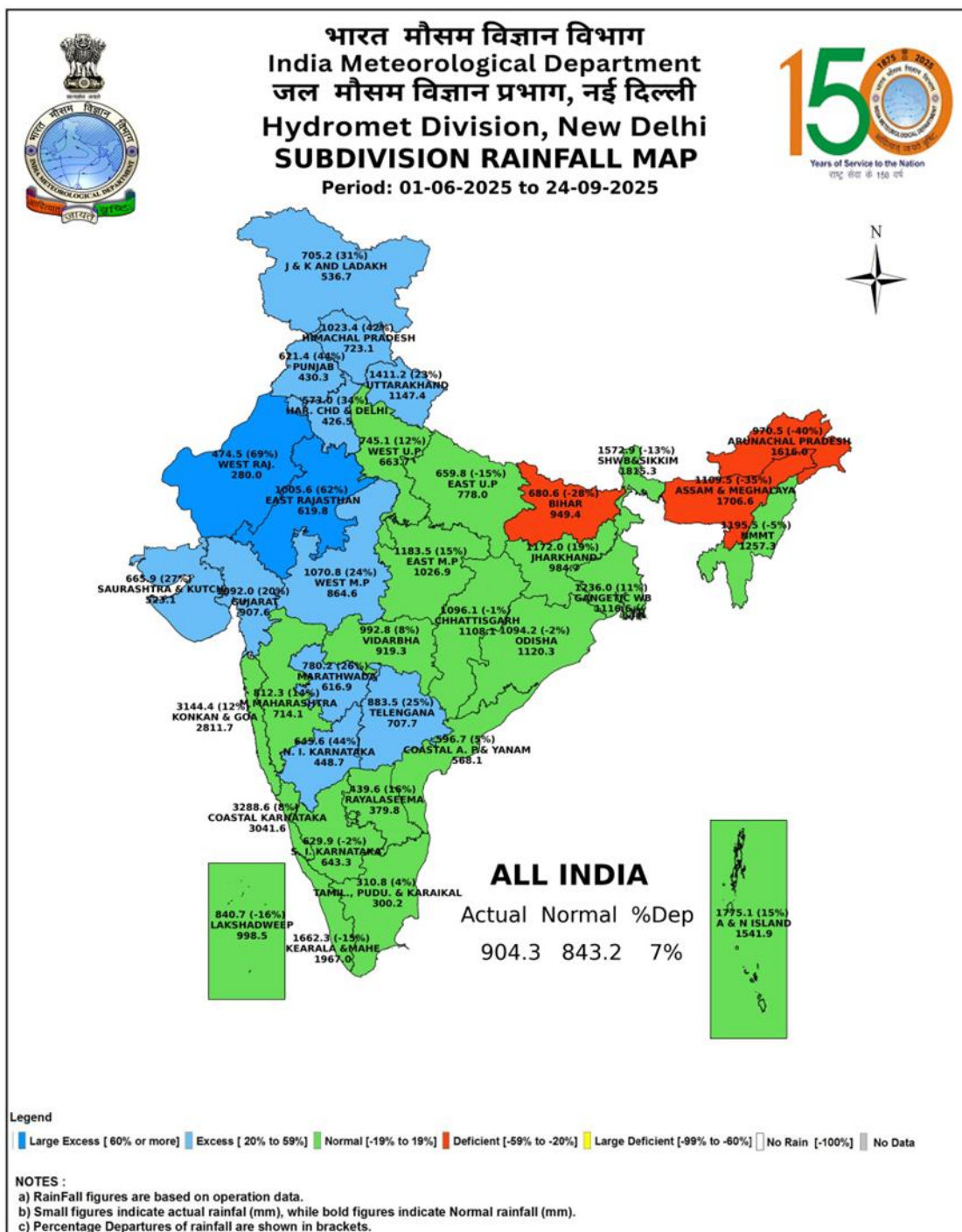
East Madhya Pradesh, Vidarbha and Chhattisgarh. These are near normal or below normal over rest parts of the country. The highest maximum temperature of 38.8°C was reported at SRIGANGANAGAR (RAJASTHAN).

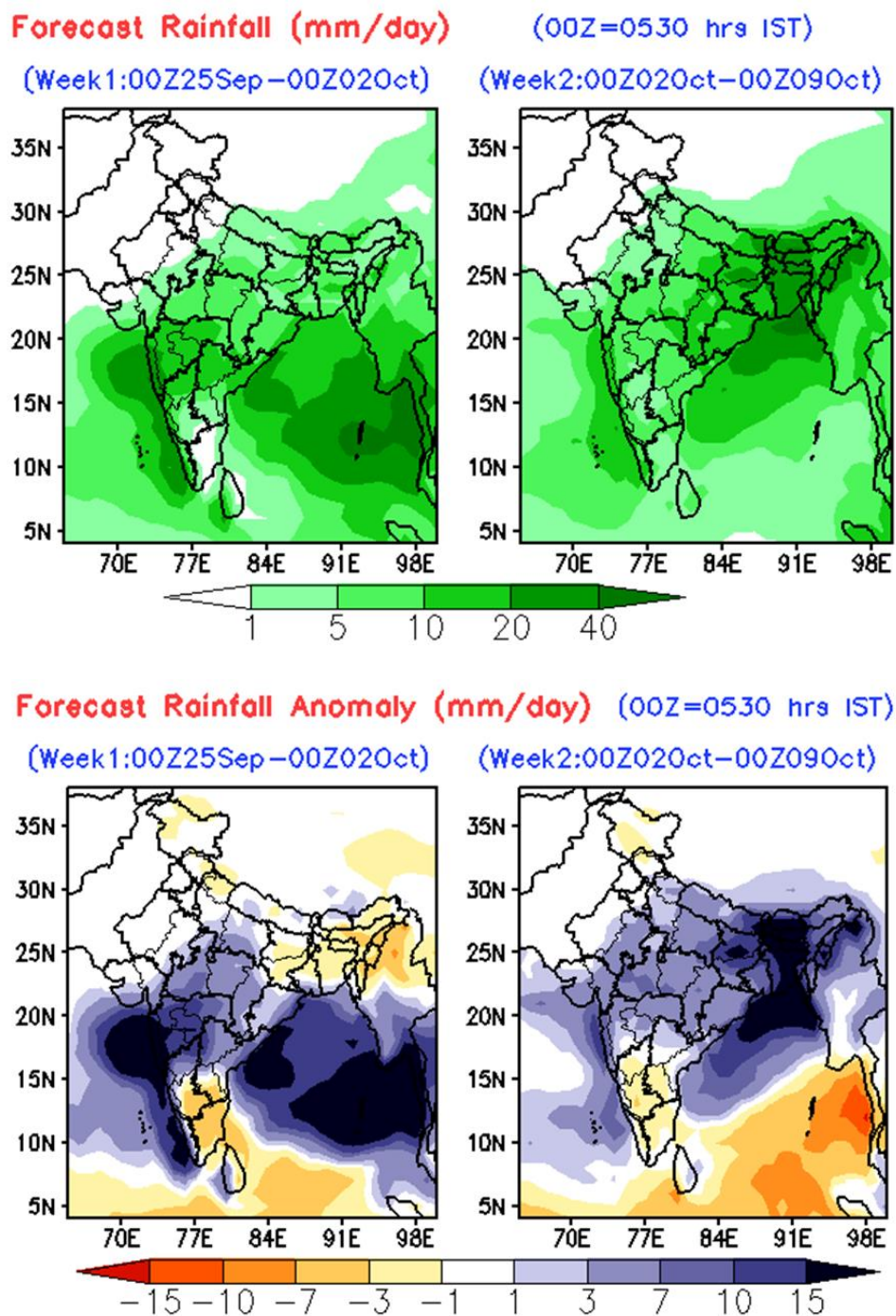
- ❖ Overall, maximum temperatures are likely to be above normal by 3-5°C over most parts of northeast India; above normal by 2-4°C over most parts of northwest India, Gujarat and Bihar. These are very likely to be near normal or below normal over remaining parts of the country during the week.

Temperature forecast for Week 2 (02 to 08 October, 2025):

- ❖ Maximum temperatures are likely to be near normal or below normal over most parts of the country except Western Himalayan Region, where these are likely to be above normal by 2-4°C during the week.





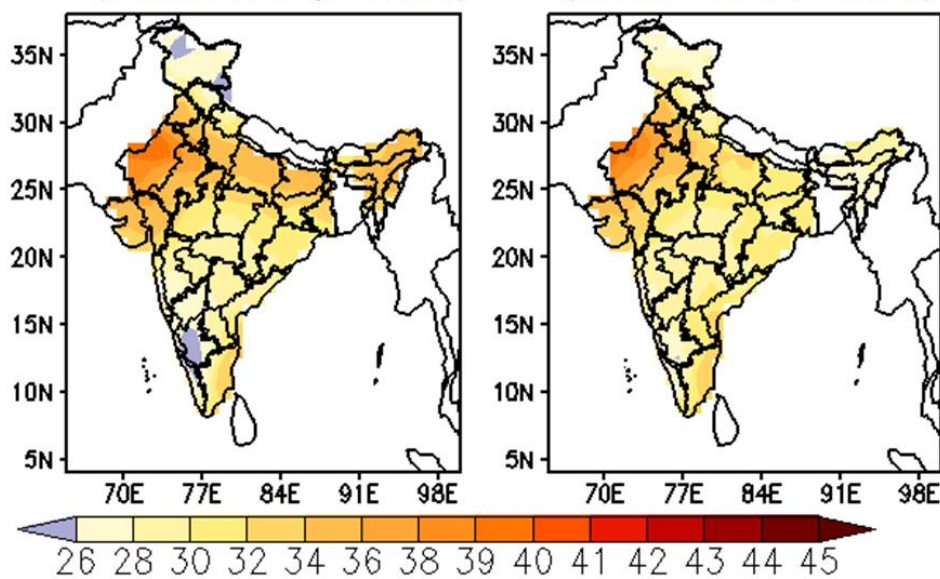


Extended range forecast of weekly distribution of rainfall in mm per day (top panel) and anomalies (lower panel) from IMD MME

MME Bias corrected forecast Tmax (Deg C)

(Week1: 26Sep-02Oct)

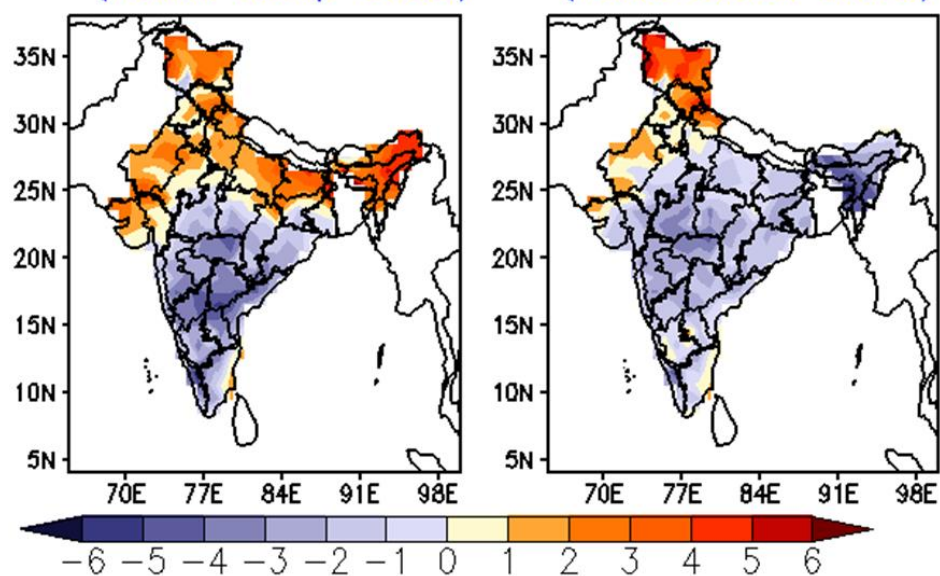
(Week2: 03Oct-09Oct)



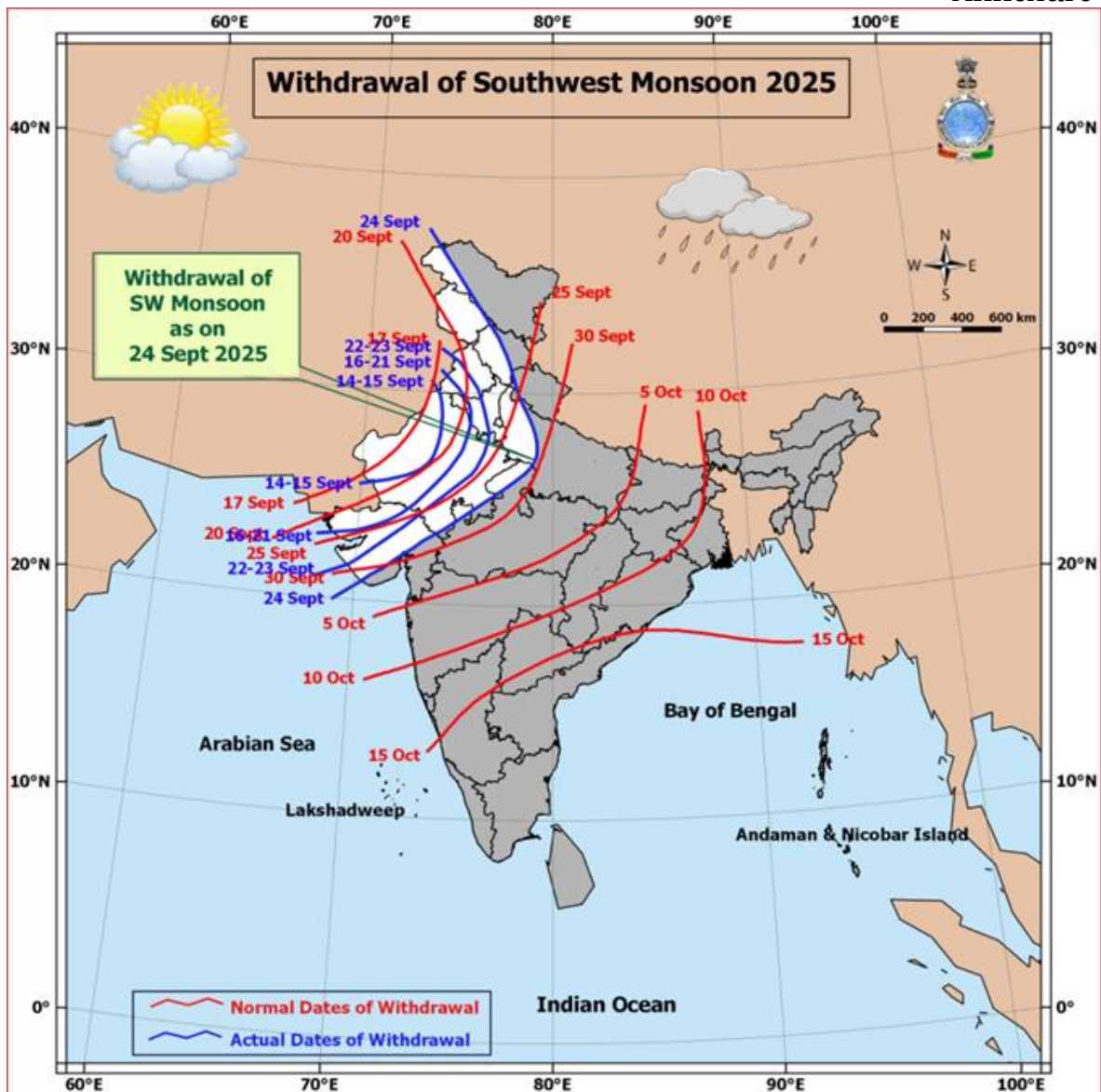
MME forecast Tmax anomaly (Deg C)

(Week1: 26Sep-02Oct)

(Week2: 03Oct-09Oct)



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



Withdrawal map of Southwest Monsoon, 2025