

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

Press Release: Dated: 16th October 2025

Subject: Current Weather Status and Extended Range Forecast for the next two weeks (16th to 29th October 2025)

1. Salient Observed Features for the week ending 15th October 2025:

- ❖ **Further Withdrawal of the Southwest Monsoon:** The southwest monsoon has further withdrawn from remaining parts of Gujarat; most parts of Maharashtra and Chhattisgarh; entire Goa, Madhya Pradesh, Uttar Pradesh, Bihar, Jharkhand, West Bengal & Sikkim and northeastern states; some parts of Karnataka, Telangana and Odisha during the week. The line of withdrawal of southwest monsoon passed through 14°N/72°E, Karwar, Kalaburagi, Nizamabad, Kanker, Chandbali, 21.0°N/ 90.0°E, 22.0°N/ 95.0°E & 23.0°N/ 98.0°E on 14th October.
- ❖ **Heavy to very heavy rainfall spell over south peninsular India during the week.** Heavy to very heavy rainfall at isolated places over Tamil Nadu during 9th – 15th October, South Interior Karnataka during 9th – 12th October, Rayalaseema during 9th – 11th October, Coastal Andhra Pradesh and Telangana during 10th – 14th October. It was mainly due to formation of short period cyclonic circulations in lower and middle tropospheric levels over the region.
- ❖ **Very heavy rainfall** was recorded at isolated places over Tamil Nadu, Puducherry & Karaikal during 9th – 11th & 15th October, South Interior Karnataka on 9th & 11th October, North Interior Karnataka, Rayalaseema, Bihar on 9th October, Nagaland, Manipur, Mizoram & Tripura on 11th October, Assam & Meghalaya on 12th October, Coastal Karnataka, Coastal Andhra Pradesh, Telangana on 13th October, Kerala & Mahe on 15th October.
- ❖ **Heavy rainfall** was recorded at isolated places over Nagaland, Manipur, Mizoram & Tripura on 9th & 12th October, Assam & Meghalaya on 9th & 13th October, Sub-Himalayan West Bengal & Sikkim on 9th October, Coastal Andhra Pradesh & Yanam, Telangana on 10th, 11th & 14th October, Rayalaseema on 10th & 11th October, South Interior Karnataka on 10th & 12th October, Kerala & Mahe on 11th & 13th October, Chhattisgarh, Gangetic West Bengal, Lakshadweep, East Madhya Pradesh on 11th October, Tamil Nadu, Puducherry & Karaikal during 12th – 14th October, Odisha on 12th & 13th October, Arunachal Pradesh on 12th October, Coastal Karnataka on 15th October.

- ❖ **Weekly Average Maximum temperature** was below normal by 2-4°C over parts of north, northwest and adjoining central India, and nearly normal over remaining parts of the country during the week. **Weekly Average Minimum temperature** was below normal by 1-3°C over parts of west, northwest and adjoining central India, and nearly normal over remaining parts of the country during the week.
- ❖ **Temperature Scenario:** The lowest minimum temperature of **11.2°C** had been recorded at **Una (Himachal Pradesh)** on **09th October, 2025** and the highest maximum temperature of **38.0°C** had been recorded at **Basti (Uttar Pradesh)** on **09th October, 2025** over the plains of the country during the week.
- ❖ **Analysis of weekly overall rainfall distribution during the week-ending on 15th October and the Post-Monsoon Season's Rainfall Scenario (01.10.2025 to 15.10.2025):** The country as a whole, the weekly cumulative All India Rainfall (ending on 15th October) in % departure from its long period average (LPA) is -25%. All India Seasonal cumulative rainfall % departure during this year's Post-Monsoon Season Rainfall (01.10.2025 to 15.10.2025) is +27%. 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 the week and season are given in **Annexure I & II**, respectively.

Table 1: Rainfall status (Week and season)

Region	Week			Season		
	09.10.2025 TO 15.10.2025			01.10.2025 TO 15.10.2025		
	Actual (mm)	Normal (mm)	Departure (%)	Actual (mm)	Normal (mm)	Departure (%)
EAST & NORTHEAST INDIA	20.0	29.8	-33%	106.2	82.7	+28%
NORTHWEST INDIA	0.7	6.0	-88%	43.6	13.8	+216%
CENTRAL INDIA	6.2	13.7	-54%	43.8	38.9	+13%
SOUTH PENINSULA	39.8	33.4	+19%	68.0	79.1	-14%
THE COUNTRY AS A WHOLE	13.3	17.8	-25%	58.4	46.1	+27%

2. Large-scale features:

- ❖ Currently, neutral El Nino-Southern Oscillation (ENSO) conditions are prevailing over the equatorial Pacific region. The latest Monsoon Mission Climate Forecast System (MMCFS) as well as other climate model forecasts indicate an increased likelihood of La Niña conditions during the upcoming months.

- ❖ At present, negative Indian Ocean Dipole (IOD) conditions are observed over the Indian Ocean. The latest MMCFS forecast, as well as other climate model forecasts, indicates that the negative IOD conditions are likely to develop during the OND season and likely to continue for a short period of time.
- ❖ MJO index is currently in phase 2 with an amplitude of greater than 1. It is likely to cross to phase 3 during the second half of week 1, with amplitude becoming equal to 1. During the start of week 2, it is likely to cross over to phase 4 with an amplitude less than 1 and further to phase 5 during the second half of week 2, with an amplitude remaining less than 1.

3. Forecast for the next two weeks

Weather systems & associated Precipitation during Week 1 (16 to 22 October, 2025) and Week 2 (23 to 29 October, 2025)

Weather systems & associated Precipitation during Week 1 (16 to 22 October, 2025):

Weather systems and withdrawal of Southwest Monsoon:

Withdrawal of southwest Monsoon and commencement of Northeast monsoon rains over south Peninsular India:

The Southwest monsoon has withdrawn from the entire country today, the 16th October 2025. Simultaneously, the **Northeast monsoon** rains have **commenced** over Tamilnadu-Puducherry-Karaikal, Coastal Andhra Pradesh, Rayalaseema, South Interior Karnataka and Kerala-Mahe today, the **16th October**, 2025 in association with following features:

- a) An upper air cyclonic circulation lies over Comorin area and neighbourhood extending upto middle tropospheric levels.
- b) Easterly / northeasterly winds set-in over southern peninsular India, south & adjoining central Bay of Bengal in the lower tropospheric levels,
- c) Fairly widespread rainfall occurred over Tamil Nadu –Puducherry-Karaikal and adjoining areas of South Coastal Andhra Pradesh and Kerala during the past 24 hours. Rainfall also occurred at a few places over Rayalaseema and adjoining areas of South Interior Karnataka during the same period.
- d) Isolated **heavy to very heavy rainfall** occurred over Tamilnadu during the same period.

Weather Systems, Forecast and Warnings:

- ❖ An **upper air cyclonic circulation** lies over southeast Arabian Sea & adjoining Lakshadweep area in the lower & middle tropospheric levels tilting southwards with height. Under its influence, a **low-pressure area** is likely to

form over southeast Arabian Sea & Lakshadweep area off Kerala-Karnataka coasts around 18th October, 2025. Thereafter, it is likely to move west northwestwards and intensify into a **depression** during subsequent 48 hours.

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

South Peninsular India:

- ❖ Light to moderate rain/thunderstorm at some/ isolated places with isolated **heavy rainfall** over Tamil Nadu Kerala & Mahe during 16th -22st; Lakshadweep, South Interior Karnataka during 16th -19th; Coastal Karnataka, Coastal Andhra Pradesh & Yanam and Rayalaseema on 16th & 17th; North Interior Karnataka on 16th October; with **very heavy rainfall** over Tamil Nadu, Kerala & Mahe and Lakshadweep on 16th & 17th October.
- ❖ Thunderstorm with lightning over the region during most days of the week.

East India:

- ❖ Thunderstorm with lightning and gusty winds (speed reaching 30-40 Kmph) over south Odisha on 16th October.

West India:

- ❖ Thunderstorm with lightning over Konkan & Goa and Madhya Maharashtra on 16th & during 18th -20th; Marathawada on 16th October.

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

Fisherman Warning:

Fishermen are advised not to venture into the following areas during 16th October to 21st October:

Arabian Sea:

- Lakshadweep, Maldives, Comorin areas, during 16th to 21st October; along and off Kerala coast during 16th to 21st October; along and off Karnataka coast during 17th to 21st October; southeast Arabian Sea during 17th to 21st October; some parts of southwest, eastcentral Arabian Sea on 19th & 20th October.

Bay of Bengal:

- Along and off Tamil Nadu coast and adjoining south Andhra Pradesh coasts on 16th & 17th October.
- Gulf of Mannar during 16th to 21st October.
- Few southern parts of south Bay of Bengal on 20th October.

Precipitation for week 2 (23 to 29 October, 2025):

- ❖ A low pressure area is likely to form over southeast Bay of Bengal around 24th October, it is likely to move west-northwestwards and intensify further thereafter. Under its influence, fairly widespread to widespread rainfall likely over many parts of south Peninsular India & adjoining central India during the week. Heavy to very heavy rainfall is likely over Tamilnadu & Puducherry, Kerala and Coastal Andhra Pradesh, Rayalaseema and Andaman & Nicobar Islands during some/many days of the week. Heavy rainfall is likely over South Interior Karnataka during many days of the week.
- ❖ Overall, rainfall activity is likely to be above normal over south Peninsular India and central India; below normal over east & northeast India and many parts of northwest India (except Jammu & Kashmir and Himachal Pradesh, where it is likely to be near normal) during the week.

Temperature forecast for Week 1 (16 to 22 October, 2025) and Week 2 (23 to 29 October, 2025)

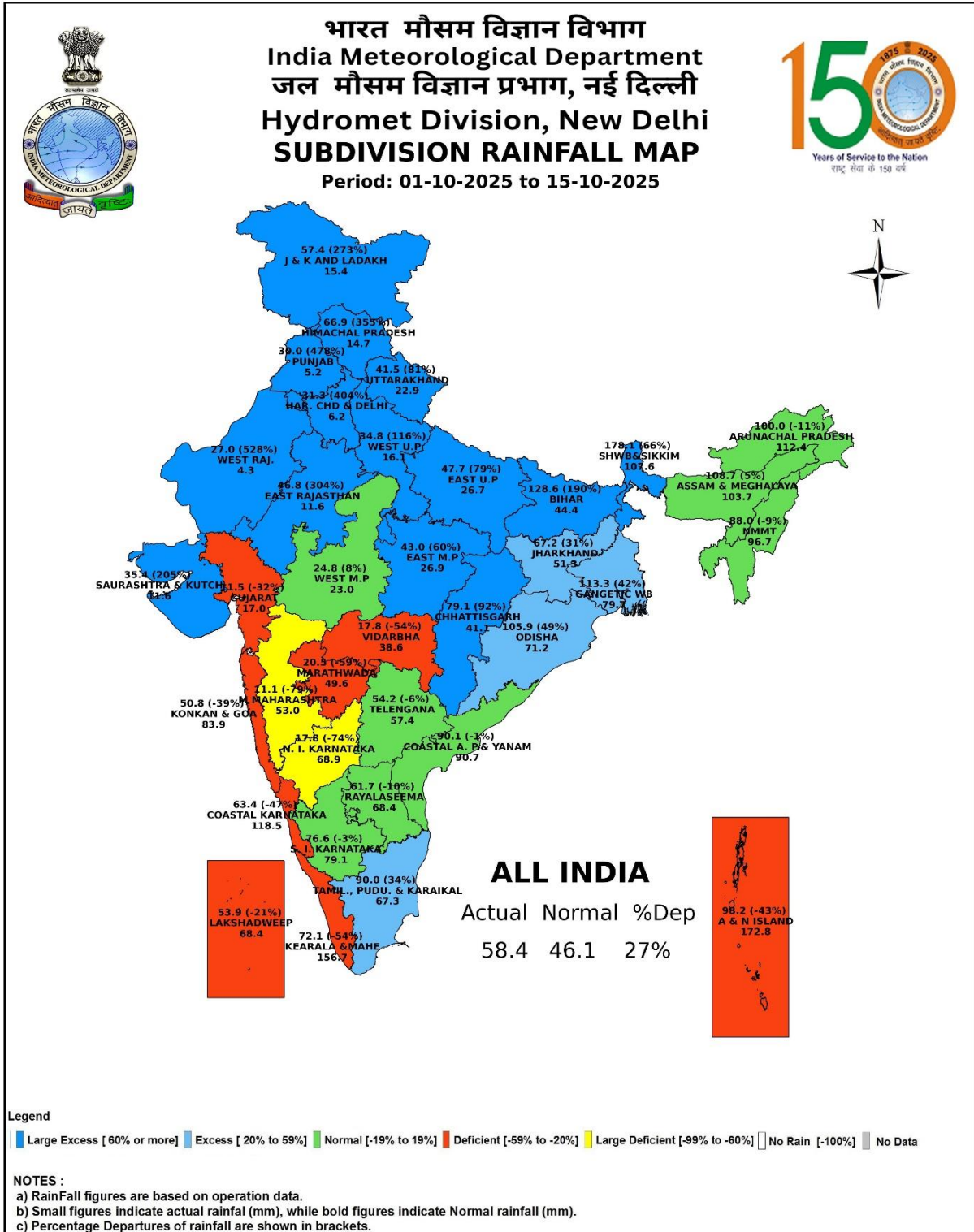
Temperature forecast for Week 1 (16 to 22 October, 2025):

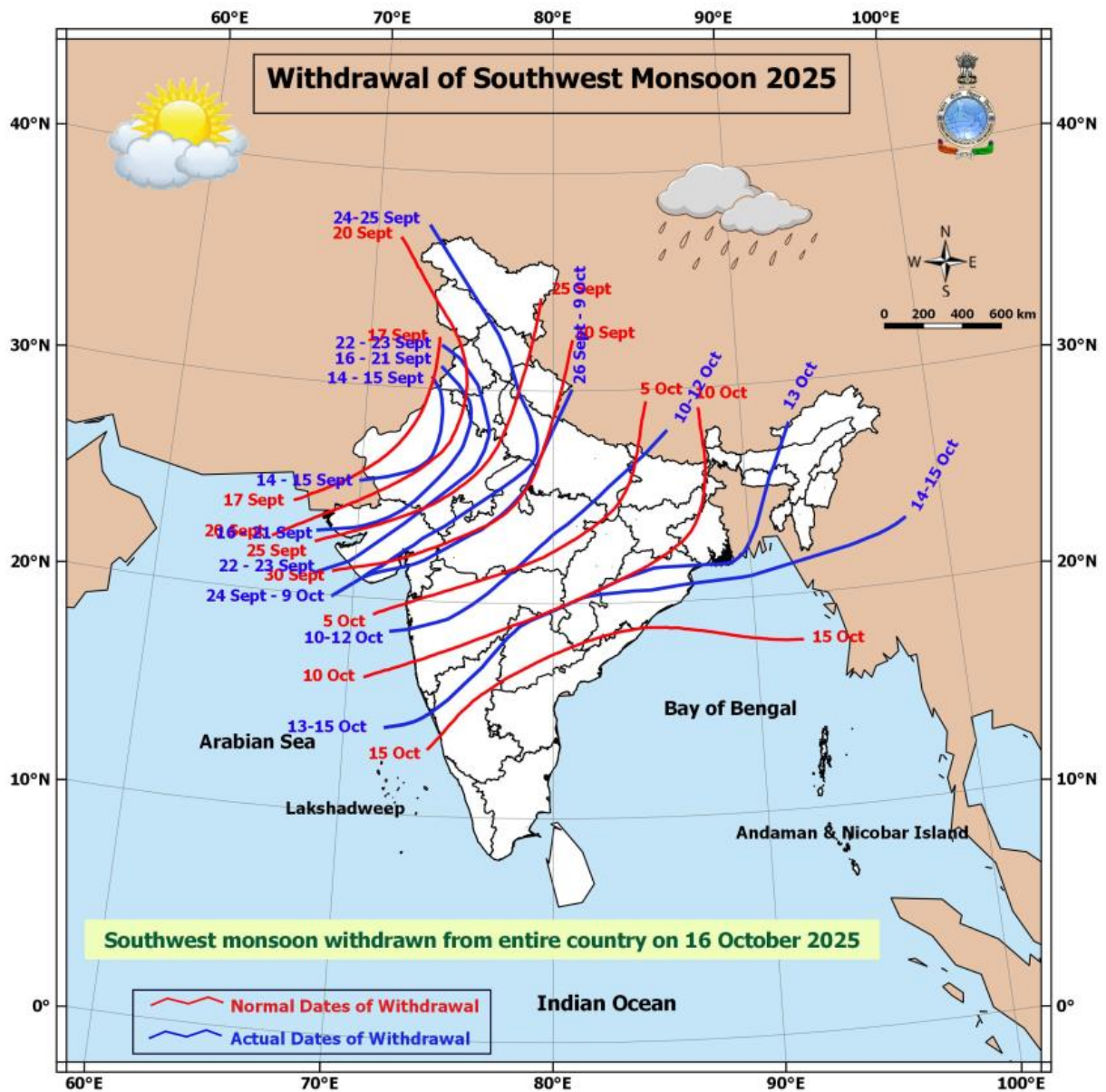
- ❖ **Minimum Temperature Departures (as on 16-10-2025):** at isolated places over Assam & Meghalaya and Bihar. appreciably above normal (3.1°C to 5.0°C) at isolated places over Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, West Uttar Pradesh, Haryana-Chandigarh-Delhi, Himachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Saurashtra & Kutch, Konkan & Goa and
- ❖ Madhya Maharashtra. above normal(1.6°C to 3.0°C) at many places over Uttarakhand and Lakshadweep; at few places over Andaman & Nicobar Islands, Punjab, Marathwada and Vidarbha; at isolated places over Odisha, West Rajasthan, East Rajasthan, East Madhya Pradesh, Gujarat Region, Chhattisgarh, Telangana, Tamil Nadu, Puducherry & Karaikal and North Interior Karnataka; near normal rest parts of the country. The lowest minimum temperature of 13.5°C is reported at UNA (HIMACHAL PRADESH) over the Plains of India.
- ❖ Minimum temperatures are likely to be near normal or slightly below normal over most parts of the country except Peninsular India and northeast India, where these are likely to be above normal by about 1-3°C during the week.

Temperature forecast for Week 2 (23 to 29 October, 2025):

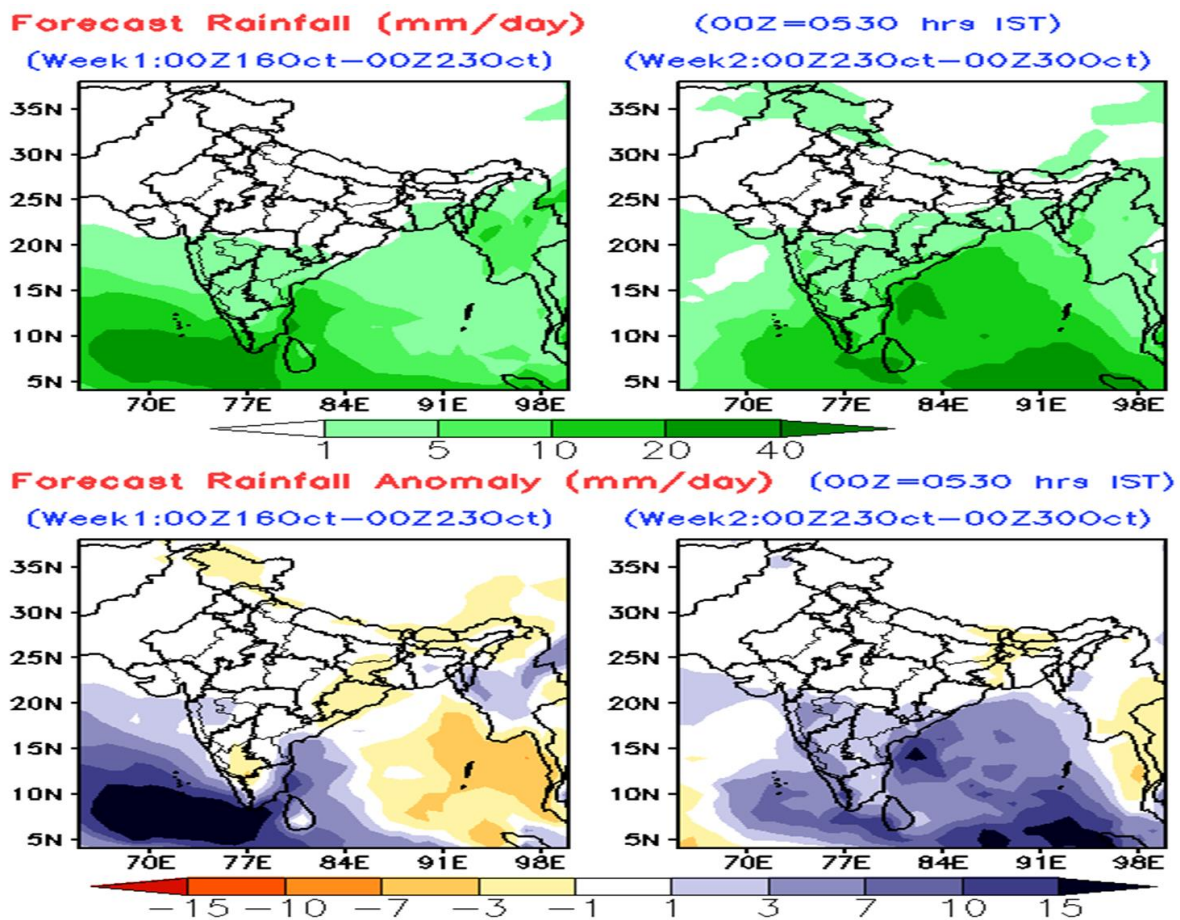
- ❖ Minimum temperatures are likely to be near normal or slightly below normal over most parts of the country except northeast India, where these are likely to be above normal by about 1-3°C during the week.



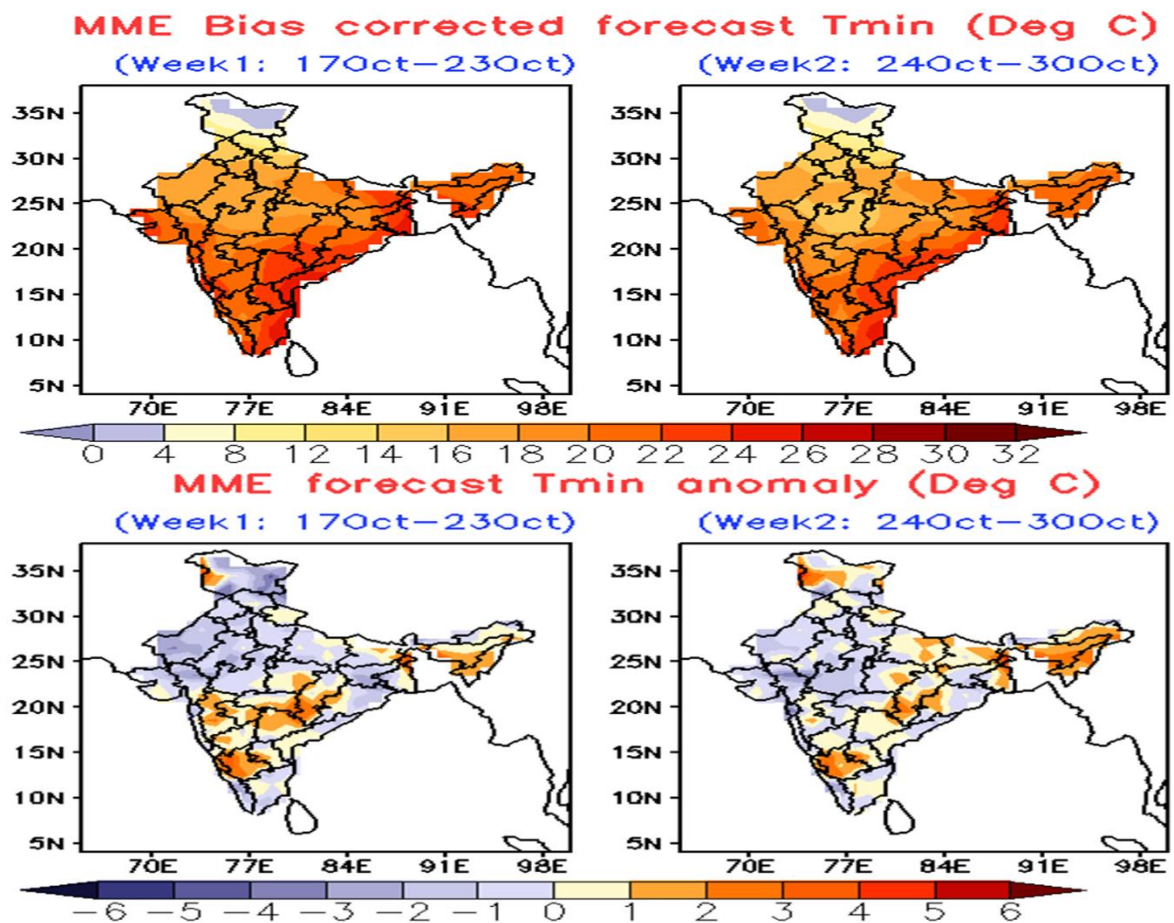




Withdrawal map of Southwest Monsoon, 2025



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 Minimum Temperature in °C (top panel) and anomalies (lower panel) from IMD Bias Corrected Forecast