



Press Release: Dated: 18th December 2025

1. Salient Observed Features for the week ending 17th December 2025:

- ❖ **Last week's Cold wave conditions abated from most parts of northwest and central India during the week except** it was over Chhattisgarh and Vidarbha on 11th, West Madhya Pradesh on 11th, 13th & 17th and Punjab on 11th Dec. **Severe Cold wave conditions** prevailed at isolated places over North Interior Karnataka during 13th -15th and South Interior Karnataka on 14th December. **Cold wave conditions** were also observed at isolated places over North Interior Karnataka on 11th, 12th & 15th; Madhya Maharashtra on 12th & 13th December and Odisha, Telangana during 11th-13th.
- ❖ **Intensification of fog layer across plains of North India from night-morning of 14-15th Dec:** Dense to very dense fog continued to prevail at isolated pockets over Uttar Pradesh, Punjab, Haryana till 13 Dec during morning hours which then gradually intensified, extended to larger areas and observed for longer period during night and mornings in some parts over these states from 14-15 Dec. During morning hours, Dense to very dense fog continued to prevail at isolated pockets over East Madhya Pradesh, Odisha on 16th; Uttarakhand on 17th December; Dense fog conditions also observed at isolated places over Odisha on 11th, 13th, 15th & 17th ; Assam on 12th & 13th; Himachal Pradesh during 11th-14th & on 16th, 17th; Meghalaya during 11th-17th, Tripura on 11th; Manipur, Gangetic West Bengal on 12th; Haryana on 14th, 15th & 17th; Chandigarh-Delhi on 15th; East Madhya Pradesh on 14th & 16th ; West Madhya Pradesh on 15th; West Rajasthan on 15th & 16th; Uttarakhand on 16th December.
- ❖ **Weekly Average Maximum temperature** was above normal by 2-5°C over many parts of northwest India and parts of northeast India. It was near normal over remaining parts of the country during the week. **Weekly Average Minimum temperature** was above normal by 1-3°C over parts of northwest India during the week while it was below normal by 1-3°C over parts of central & adjoining east and south India, and nearly normal over remaining parts of the country during the week.

❖ **Temperature Scenario:** The lowest minimum temperature of 3.6°C had been recorded at ADAMPUR (PUNJAB) on 12th December, 2025 and the highest maximum temperature of 36.6°C had been recorded at KARWAR (KARNATAKA) on 13th December, 2025 over the plains of the country during the week.

❖ **Analysis of weekly overall rainfall distribution during the week ending on 17th December and the Post-Monsoon Season's Rainfall Scenario (01.10.2025 to 17.12.2025):** The country as a whole, the weekly cumulative All India Rainfall (ending on 17th December) in % departure from its long period average (LPA) is -92%. All India Seasonal cumulative rainfall % departure during this year's Post-Monsoon Season Rainfall (01.10.2025 to 17.12.2025) is +16%. Details of the rainfall distribution over the four broad geographical regions of India are provided in Table 1. Meteorological sub-division-wise rainfall for the week and season is presented in **Annexure I & II**, respectively.

Table 1: Rainfall status (Week and season)

Region	Week			Season		
	11.12.2025 TO 17.12.2025			01.10.2025 TO 17.12.2025		
	Actual (mm)	Normal (mm)	Departure (%)	Actual (mm)	Normal (mm)	Departure (%)
EAST & NORTHEAST INDIA	0.0	3.3	-100%	156.6	152.7	3%
NORTHWEST INDIA	0.0	5.8	-100%	59.0	42.3	39%
CENTRAL INDIA	0.0	1.1	-100%	102.1	74.3	37%
SOUTH PENINSULA	1.8	8.0	-77%	282.5	265.3	6%
THE COUNTRY AS A WHOLE	0.4	4.3	-92%	133.0	114.5	16%

2. Large-scale features:

- ❖ Currently, weak La Niña conditions are prevailing over the equatorial Pacific region. The latest forecasts from the Monsoon Mission Climate Forecast System (MMCFS) and other climate models suggest a moderate to fairly high likelihood (around 62%) of La Niña conditions persisting through the NDJ 2025/26 season, with a probable transition to neutral ENSO conditions thereafter.
- ❖ Currently, negative Indian Ocean Dipole (IOD) conditions are prevailing over the Indian Ocean. The latest MMCFS forecast suggests that these negative IOD conditions are likely to weaken, with an increasing probability of a transition to neutral conditions during the NDJ season and thereafter.
- ❖ Madden Julian Oscillation (MJO) index is presently in phase 8 with amplitude less than 1. It is very likely to continue in same phase with amplitude remaining

less than 1 during first half of week 1. Thereafter, it is likely to move across phases 7, 6 and 5 with gradually decreasing amplitude during remaining part of the forecast period

3. Forecast for the next two weeks

Weather systems & associated Precipitation during Week 1 (18 to 24 December 2025) and Week 2 (25 to 31 December 2025)

Weather systems & associated Precipitation during Week 1 (18 to 24 December 2025):

Weather Systems, Forecast, and Warnings:

- ❖ A **Western Disturbance** as a cyclonic circulation over Jammu in the lower tropospheric levels.
- ❖ Another **Western Disturbance** as a cyclonic circulation over Southwest Iran in middle tropospheric levels.
- ❖ An upper air **cyclonic circulation** lay over South Kerala in lower tropospheric levels.
- ❖ **Subtropical westerly Jet Stream** with core winds of the order up to 105 knots at 12.6 km above mean sea level prevails over North India.

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

- ❖ Light rainfall/snowfall likely at a few/many places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 20th & 21st and at a few/isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 18th & 19th, 22nd & 23rd, Himachal Pradesh during 20th-22nd, Uttarakhand on 20th & 21st December.
- ❖ Heavy rainfall/snowfall likely at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 21st December.
- ❖ Light rainfall likely at isolated places over Punjab during 20th-22nd December.

Precipitation for week 2 (25 to 31 December 2025):

- ❖ Under the influence of western disturbances, light to moderate scattered / fairly widespread rainfall/snowfall is likely over the Western Himalayan Region during some days of the week.
- ❖ Overall, rainfall activity is likely to be below normal over the country except the Western Himalayan Region, where it is likely to be near normal to above normal (Annexure III).

Temperature forecast for Week 1 (18 to 24 December) and Week 2 (25 to 31 December 2025)

Temperature forecast for Week 1 (18 to 24 December):

Temperature Conditions during the past 24 hours till 0830 hours IST of today:

- ❖ **Minimum temperatures** were **below 5°C** at many places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan Muzaffarabad; at isolated places over Himachal Pradesh, West Madhya Pradesh; in the range of 5°-10°C at many places over Uttarakhand, Uttar Pradesh, Madhya Pradesh, Rajasthan, Chhattisgarh, Odisha, Madhya Maharashtra, Kerala & Mahe; over isolated places over Telangana, North Interior Karnataka, Assam & Meghalaya. **The lowest minimum temperature of 4.5 Indore (West Madhya Pradesh) over the plains of India.**
- ❖ **Minimum Temperatures** were **below normal (-1.6°C to -3.0°C)** at isolated places over Assam & Meghalaya, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Rayalaseema, Marathwada and North Interior Karnataka. **appreciably below normal (-5.0°C to -3.1°C)** at isolated places over Tamil Nadu, Puducherry & Karaikal, South Interior Karnataka, Telangana, Vidarbha, and West Madhya Pradesh.
- ❖ **Minimum Temperatures show rising tendency during past 24 hours by 1-2 °C** at a few places over Western Himalayan Region, Uttar Pradesh, Gujarat state, East Madhya Pradesh at isolated places over north Rajasthan; **falling tendency by 1-2°C** over some parts of Maharashtra, Telangana, Coastal Andhra Pradesh & Yanam, **by 3-5 °C** at a few places over south Peninsular India.

Forecast of temperature:

- ❖ No significant change in minimum temperature very likely over Northwest India during next 24 hours, gradual rise by 2-3°C thereafter during subsequent 3 days and no significant change thereafter.
- ❖ No significant change in maximum temperature very likely over Haryana, Punjab during next 2-3 days and gradual fall by 2-3°C thereafter during subsequent 4 days.
- ❖ No significant change in maximum temperature very likely over Uttarakhand during next 3 days and gradual fall by 1-2°C thereafter during subsequent 4 days.
- ❖ No significant change in minimum temperature very likely over Maharashtra during next 2 days and gradual rise by 2-3°C thereafter during subsequent 5 days.
- ❖ Gradual Rise in minimum temperatures by 2-3°C likely over Gujarat during next 2 days and gradual fall by 2-3°C thereafter during subsequent 5 days.

- ❖ No significant change in minimum & maximum temperature over the remaining parts of the country during the next 7 days.

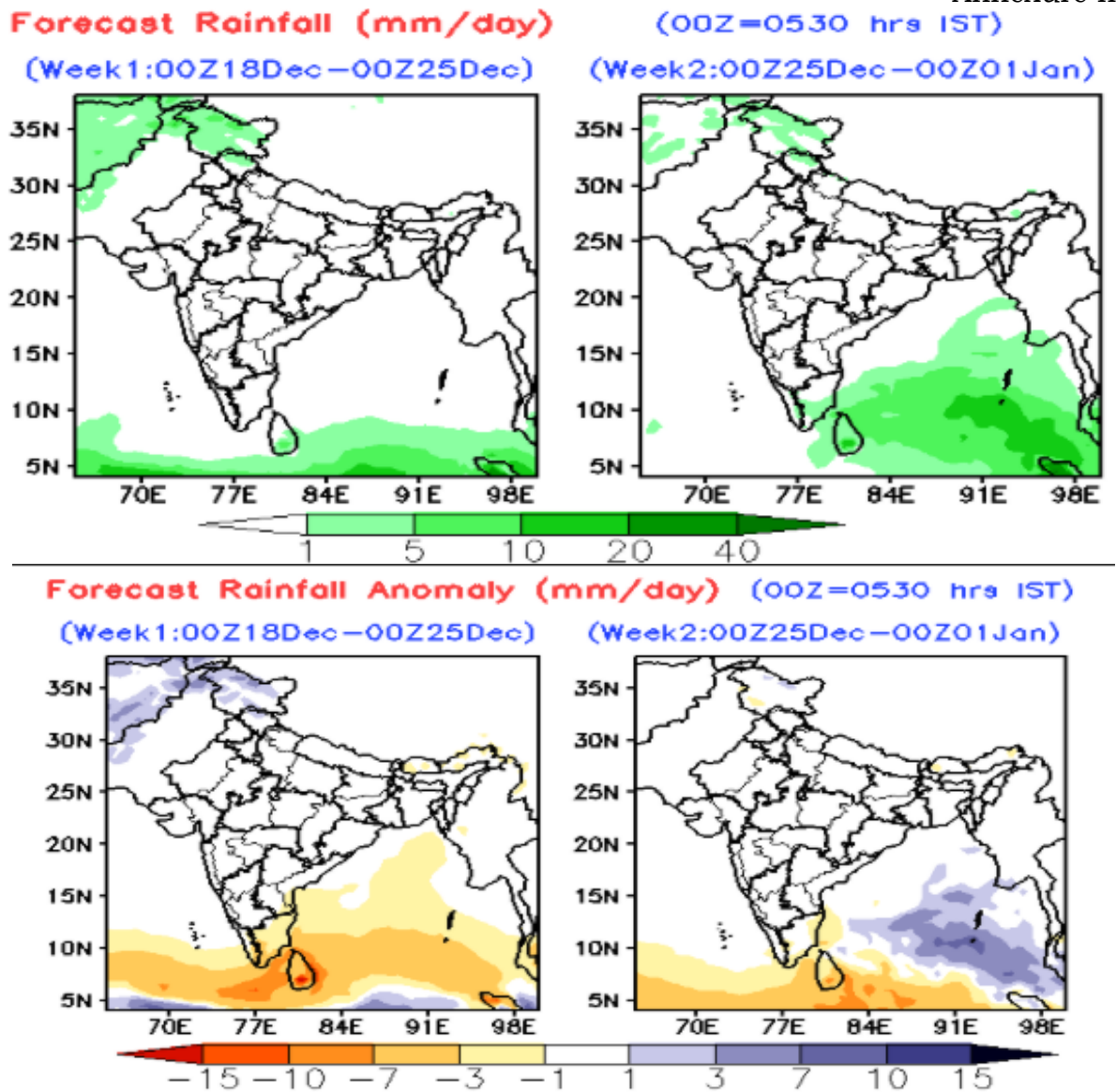
Dense Fog, Cold wave & old day Warnings:

- ❖ **Cold wave conditions** are very likely over isolated places in West Madhya Pradesh on 18th December.
- ❖ **Cold Day to Severe cold day** conditions are very likely over isolated places in Uttar Pradesh on 19th & 20th, **Cold Day conditions** are very likely over isolated places in Uttarakhand on 19th & 20th December.
- ❖ **Dense to very dense fog** conditions very likely to prevail during early hours/morning hours at a few places over Punjab on 19th & 20th, Haryana Chandigarh during 19th-21st and Dense fog conditions very likely to prevail during early hours/morning hours in isolated pockets of Punjab on 21st, 24th & 25th and over Haryana Chandigarh on 22nd, 24th & 25th December.
- ❖ **Dense to very dense fog** conditions very likely to prevail during early hours/morning hours at a few/many places over Uttar Pradesh during 19th-21st; Dense fog conditions very likely to prevail during early hours/morning hours in isolated pockets of Uttar Pradesh during 22nd-25th December.
- ❖ **Dense to very dense fog** conditions are very likely to prevail during early hours/morning hours at isolated pockets over Uttarakhand on 19th & 20th, and Dense fog conditions are very likely to prevail during early hours/morning hours in isolated pockets of Uttarakhand on 21st December.
- ❖ **Dense to very Dense fog** conditions are very likely to prevail during early hours/morning hours at a few/isolated places over Bihar during 19th-20th; **Dense fog** conditions are very likely at a few places over Bihar during 21st-22nd; in isolated pockets of Jharkhand, Odisha on 19th & 20th, Gangetic West Bengal on 20th, over northeast India during 19th-22nd December

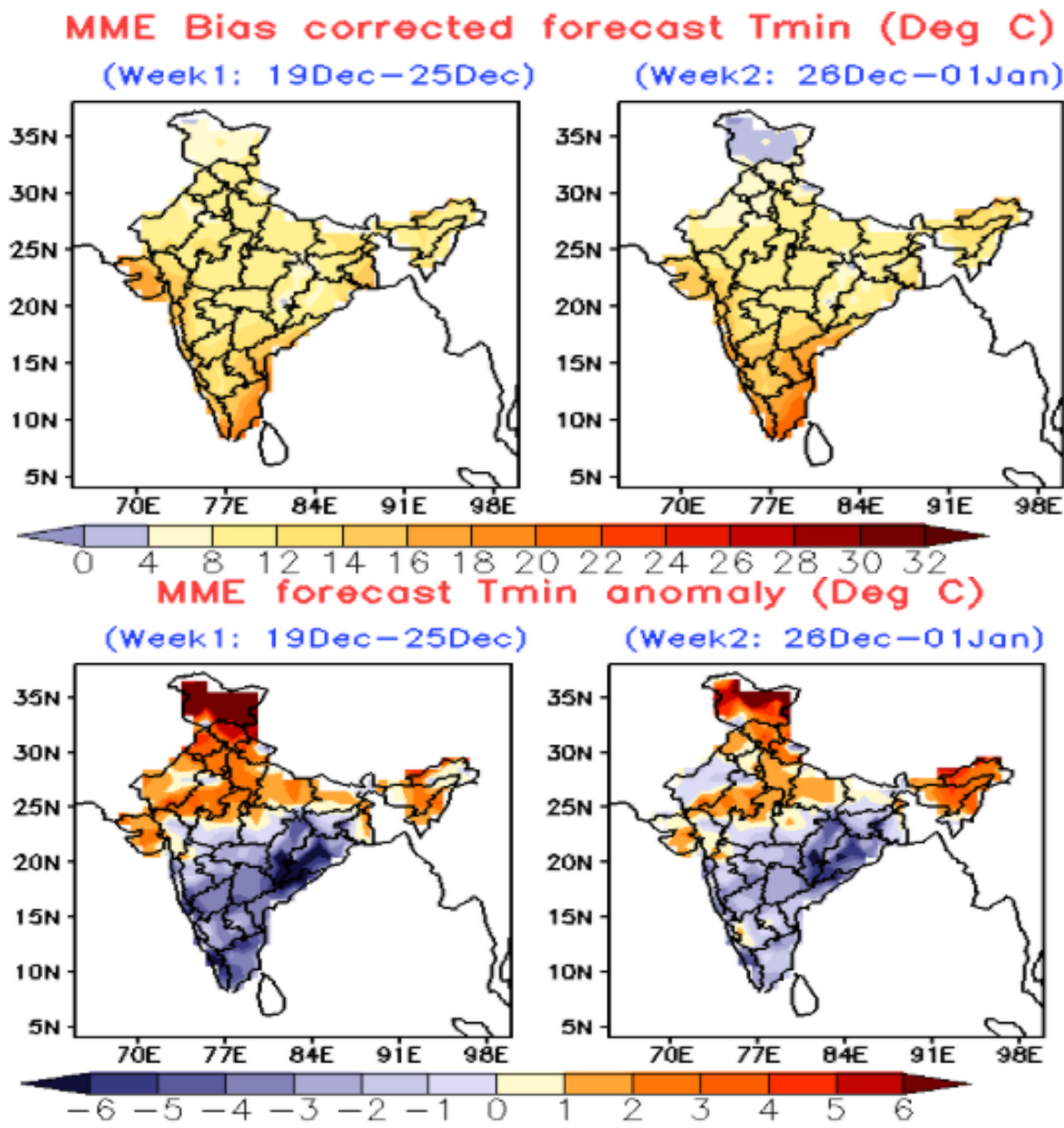
Temperature forecast for Week 2 (25 to 31 December 2025):

- ❖ Minimum temperatures are likely to be below normal 2-4°C over most parts of the country except northeast India & Western Himalayan Region and many parts of northwest India, where these are likely to be above normal by 1-3°C during the week (Annexure IV).
- ❖ No significant Cold wave conditions are likely during the week.
- ❖ Dense fog conditions are likely to prevail during early morning hours in isolated pockets of north India on some days of the week.

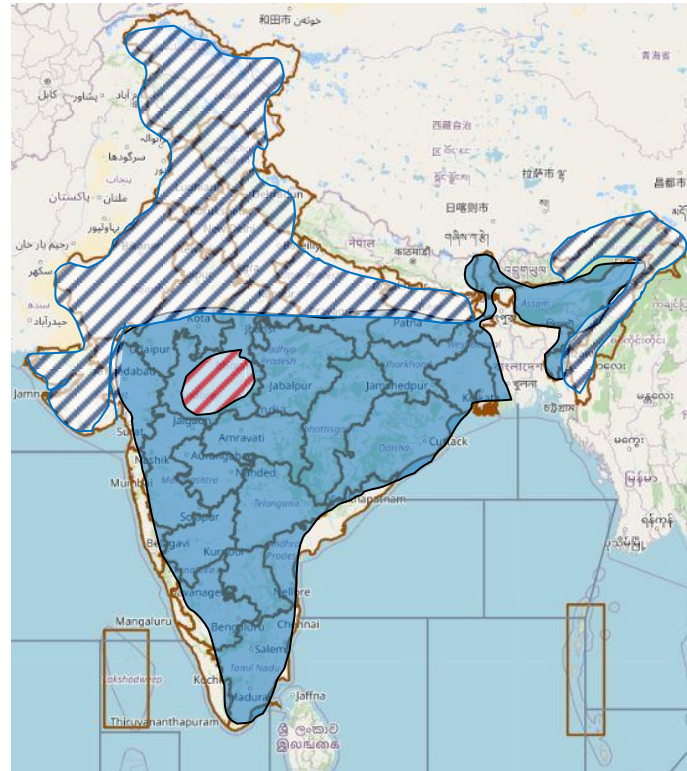
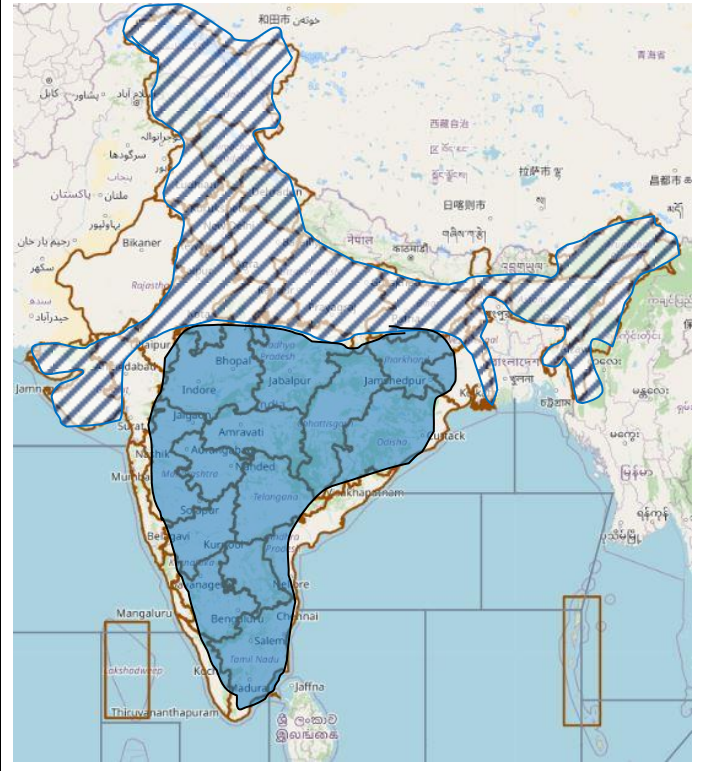




Extended range forecast of weekly distribution of rainfall in mm per day (top panel) and anomalies (lower panel) from IMD MME



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

EXTENDED RANGE OUTLOOK FOR COLD WAVE & MINIMUM TEMPERATURE**Week 1: 19.12.2025- 25.12.2025****Week2: 26.12.2025- 01.01.2026****PROBABILITY OF COLD WAVE****CONFIDENCE****LOW (1-33% PROBABILITY)****MODERATE (34-67% PROBABILITY)****HIGH (68-100% PROBABILITY)****Below Normal Minimum Temperature****Above Normal Minimum Temperatures****Near Normal Minimum Temperatures**