

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

Press Release: Dated 04th December 2025

Subject: Current Weather Status and Extended Range Forecast for the next two weeks (04th to 17th December 2025)

1. Salient Observed Features for the week ending 03rd December 2025:

❖ Formation of a Cyclonic Storm “Ditwah” [Pronunciation: Ditwah] over southwest Bay of Bengal & adjoining Sri Lanka coast (27th – 30th November):

Last week's Depression over southwest Bay of Bengal & adjoining Sri Lanka coast moved north-northwestwards, intensified into a Deep Depression and lay centered over the same region near latitude 6.3°N and longitude 82.4°E in the morning hours of 27th November. It moved north-northwestwards, intensified into the Cyclonic Storm “Ditwah” [Pronunciation: Ditwah] and lay centered at 1130 hrs IST of 27th November over the same region of southwest Bay of Bengal & adjoining Sri Lanka coast near latitude 6.9°N and longitude 81.9°E, further moved north-northwestwards and lay centered at 0830 hrs IST of 28th November over coastal Sri Lanka & adjoining southwest Bay of Bengal, near latitude 8.3°N and longitude 81.0°E. Continuing to move north-northwestwards, it lay centered at 0830 hrs IST of 29th November over southwest Bay of Bengal & adjoining north Sri Lanka, near latitude 9.6°N and longitude 80.7°E. It moved nearly northwards and lay centered at 0830 hrs IST of 30th November over southwest Bay of Bengal & adjoining north Tamil Nadu-Puducherry coasts, near latitude 11.4°N and longitude 80.6°E, and weakened into a Deep Depression and lay centered at 1730 hrs IST of 30th November over the same region, near latitude 11.8°N and longitude 80.6°E. It moved slowly northwards and lay centered at 0830 hrs IST of 1st December over southwest Bay of Bengal & adjoining areas of westcentral Bay of Bengal, North Tamil Nadu-Puducherry & South Andhra Pradesh coasts, near latitude 12.8°N and longitude 80.6°E, and weakened into a Depression and lay centered over southwest Bay of Bengal and adjoining areas of westcentral Bay of Bengal, North Tamil Nadu, Puducherry & South Andhra Pradesh coasts, near latitude 12.9°N and longitude 80.5°E in the morning hours of 2nd December. It moved slowly southwestwards and weakened into a Well-Marked Low Pressure Area over North Tamil Nadu-Puducherry coasts & neighbourhood in the morning hours of 3rd December; lay as a Low Pressure Area over the same region at 1730

hrs IST of the same day. It caused severe flooding, landslides and mudslides leading to casualties over Sri Lanka.

Last week's **heavy to very heavy rainfall spell continued over south peninsular India** due to this system with isolated **Extremely heavy rainfall** over Tamil Nadu, Puducherry & Karaikal on 29th & 30th November & 2nd December, Coastal Andhra Pradesh & Yanam, Rayalaseema on 3rd December. **Very heavy rainfall** was recorded at isolated places over Tamil Nadu, Puducherry & Karaikal on 3rd December and **heavy rainfall** was recorded at isolated places over Coastal Andhra Pradesh & Yanam on 1st December, Kerala & Mahe on 3rd December.

- ❖ **Last week's Cold wave conditions continued to prevail over northwest and central India during the week** with Severe Cold wave condition was observed at isolated places over Punjab on 30th November. Cold wave condition was observed at isolated places over Punjab on 27th & 29th November & 2nd – 3rd December, Odisha on 28th November, West Madhya Pradesh on 29th & 30th November, Madhya Maharashtra on 1st & 3rd December, Haryana and Chandigarh on 3rd December.
- ❖ **Very Dense fog** conditions observed at isolated places over Odisha on 3rd December. **Dense fog** conditions observed at isolated places over Odisha during 27th – 30th November & 2nd December, Himachal Pradesh during 27th – 30th November & 2nd – 3rd December, West Madhya Pradesh on 29th November, Manipur during 29th November – 2nd December, Meghalaya during 1st – 3rd December, Gangetic West Bengal on 2nd December.
- ❖ **Weekly Average Maximum temperature** was below normal by 2-4°C over parts of east and south peninsular India and nearly normal over remaining parts of the country during the week. **Weekly Average Minimum temperature** above normal by 1-3°C over parts of west India during first half of the week. It was nearly normal over remaining parts of the country during the week.
- ❖ **Temperature Scenario:** The lowest minimum temperature of 2.0oC had been recorded at FARIDKOT (PUNJAB) on 30th November, 2025 and the highest maximum temperature of 35.8oC had been recorded at KARWAR (KARNATAKA) on 01st & 03rd December, 2025 over the plains of the country during the week.
- ❖ **Analysis of weekly overall rainfall distribution during the week-ending on 03rd December and the Post-Monsoon Season's Rainfall Scenario (01.10.2025 to 03.12.2025):** The country as a whole, the weekly cumulative All India Rainfall (ending on 03rd December) in % departure from its long period average (LPA) is - 21%. All India Seasonal cumulative rainfall % departure during this year's Post-Monsoon Season Rainfall (01.10.2025 to 03.12.2025) is +23%. 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		
	27.11.2025 TO 03.12.2025			01.10.2025 TO 03.12.2025		
	Actual (mm)	Normal (mm)	Departure (%)	Actual (mm)	Normal (mm)	Departure (%)
EAST & NORTHEAST INDIA	0.1	3.2	-97	156.6	146.8	7
NORTHWEST INDIA	0.0	2.4	-99	59.0	34.2	72
CENTRAL INDIA	0.0	2.1	-98	102.1	71.6	43
SOUTH PENINSULA	16.7	11.4	47	272.2	246.7	10
THE COUNTRY AS A WHOLE	3.3	4.2	-21	131.0	106.5	23

2. Large-scale features:

- ❖ Currently, weak La Niña conditions prevail 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 DJF 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 DJF season and thereafter.
- ❖ Madden Julian Oscillation (MJO) index is presently in phase 8 with an amplitude greater than 2. It is very likely to remain in phase 8 with a slow eastward propagation and decreasing amplitude till the second half of week 1. Thereafter, the MJO index is likely to portray a looping trajectory within phase 8, maintaining amplitude close to 1 till the end of the second week.

3. Forecast for the next two weeks

Weather systems & associated Precipitation during Week 1 (04 to 10 December 2025) and Week 2 (11 to 17 December 2025)

Weather systems & associated Precipitation during Week 1 (04 to 10 December 2025):

Weather Systems, Forecast, and Warnings:

- ❖ An upper air cyclonic circulation lies over east Bangladesh adjoining Assam & Meghalaya in lower tropospheric level.

- ❖ An upper air cyclonic circulation lay over Southeast Arabian Sea & adjoining Lakshadweep persists in the lower tropospheric level.
- ❖ The Western disturbance as an upper air cyclonic circulation persists over north Punjab & neighbourhood in lower tropospheric level.
- ❖ The induced cyclonic circulation lay over northwest Uttar Pradesh & neighbourhood in lower tropospheric level.
- ❖ Another Western Disturbance is seen as a trough in middle tropospheric westerlies with its axis in middle tropospheric level runs roughly along Long. 54°E to the north of Lat. 32°N.

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

- ❖ Light to moderate rainfall accompanied with thunderstorm, lightning very likely at isolated places with heavy rainfall at isolated places over Tamil Nadu, Puducherry & Karaikal on 04th & 05th and over Kerala & Mahe, Lakshadweep and Rayalaseema on 04th December.
- ❖ Light to moderate rainfall at a few places accompanied with thunderstorm, lightning over Coastal Andhra Pradesh & Yanam on 04th December.

Precipitation for week 2 (11 to 17 December 2025):

- ❖ A western disturbance is likely to impact the Western Himalayan Region (WHR) during the week.
- ❖ Under the influence of this western disturbance, 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 over the country except Western Himalayan Region, where it is likely to be near normal (**Annexure III**).

Temperature forecast for Week 1 (04 to 10 December 2025) and Week 2 (11 to 17 December 2025)

Temperature forecast for Week 1 (04 to 10 December):

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

- ❖ Minimum temperatures are in the range of less than 5°C at most places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; at many places over Himachal Pradesh; at isolated places over Uttarakhand, West Rajasthan; in the range of 5°-10°C at many places over Uttar Pradesh, Haryana Chandigarh & Delhi and Punjab; at isolated parts of Madhya Pradesh, Chhattisgarh and Jharkhand.

The lowest minimum temperature of 3.0°C is reported at Adampur (Punjab) over the plains of India.

- ❖ Minimum Temperature departures were markedly below normal (-5.1°C or smaller) at isolated places over Delhi, Haryana; at appreciably below normal (-3.1°C to -5.0°C) at isolated places over Vidarbha and Bihar; below normal (-1.6°C to -3.0°C) at a few places over Jammu & Kashmir, Himachal Pradesh, Punjab and Andaman & Nicobar Islands; at isolated places over East Rajasthan, Uttar Pradesh, Gangetic West Bengal, Jharkhand and Chhattisgarh.

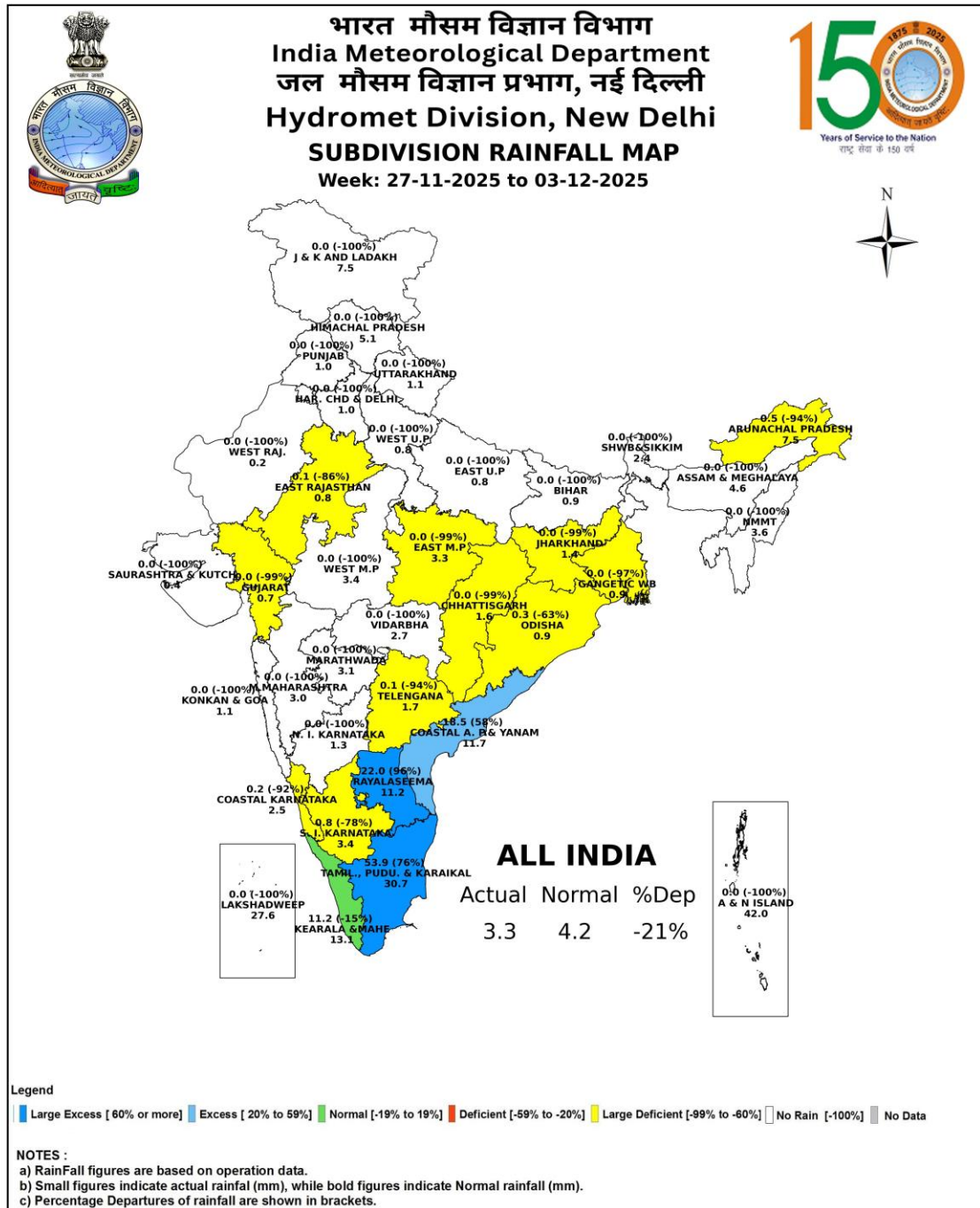
Forecast of temperature and cold wave & cold day

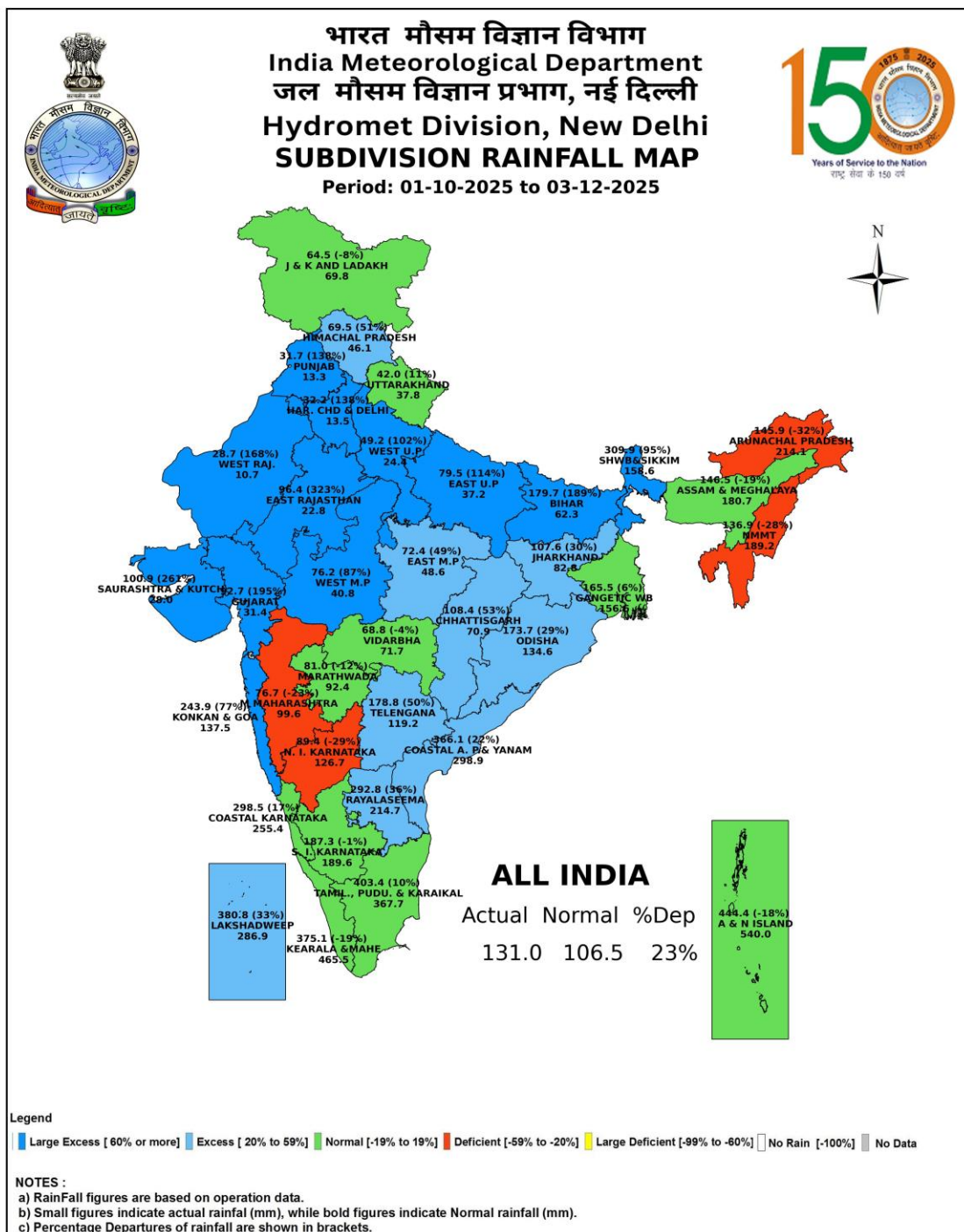
- ❖ No significant change in minimum temperature likely over many parts of Northwest India for next 24 hours, thereafter gradual rise in minimum temperature by 3-4°C during subsequent 4 days.
- ❖ Gradual fall in minimum temperature likely by 2-3°C over Central, East & Northeast India during next 2 days and thereafter no significant change.
- ❖ No significant change in minimum temperature likely for next 5 days and fall by 2-3°C thereafter during subsequent 2 days in Maharashtra and no significant change in minimum temperature is likely over the Gujarat during next 7 days.
- ❖ Cold wave conditions very likely to prevail in isolated pockets over Punjab, Haryana and East Rajasthan on 05th, Jharkhand on 06th & 07th December.
- ❖ Dense fog conditions very likely to prevail during early morning hours in isolated pockets of Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura during 05th-09th; Himachal Pradesh during 05th-07th and over Odisha on 05th & 06th December.

Temperature forecast for Week 2 (11 to 17 December 2025):

- ❖ Minimum temperatures are likely to be below normal 2-4°C over most parts of the country except northeast & northwest India and Western Himalayan Region, where these are likely to be above normal by 1-3°C during the week (**Annexure IV**).
- ❖ There is nil probability of a significant cold wave during the week (**Annexure V**).
- ❖ Dense fog conditions likely to prevail during early morning hours in isolated pockets of Himachal Pradesh, Punjab, Haryana Chandigarh & Delhi and Rajasthan during some days of the week.

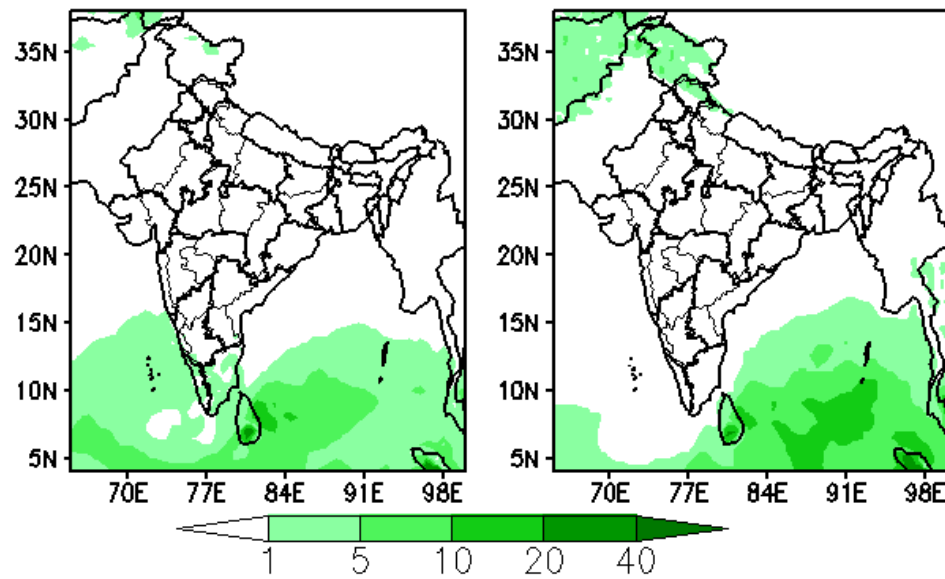
Annexure I



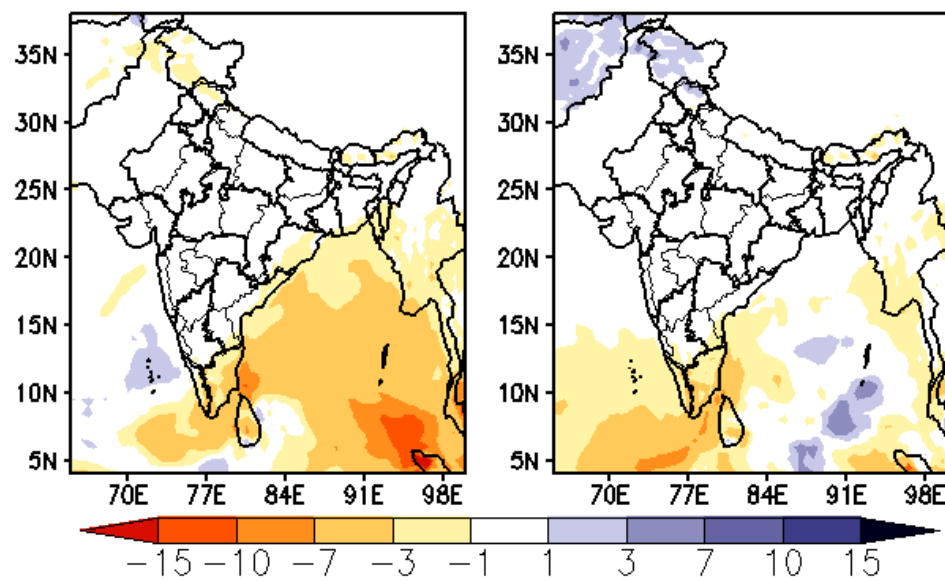


Annexure III

Forecast Rainfall (mm/day) (00Z=0530 hrs IST)
(Week1:00Z04Dec-00Z11Dec) (Week2:00Z11Dec-00Z18Dec)



Forecast Rainfall Anomaly (mm/day) (00Z=0530 hrs IST)
(Week1:00Z04Dec-00Z11Dec) (Week2:00Z11Dec-00Z18Dec)



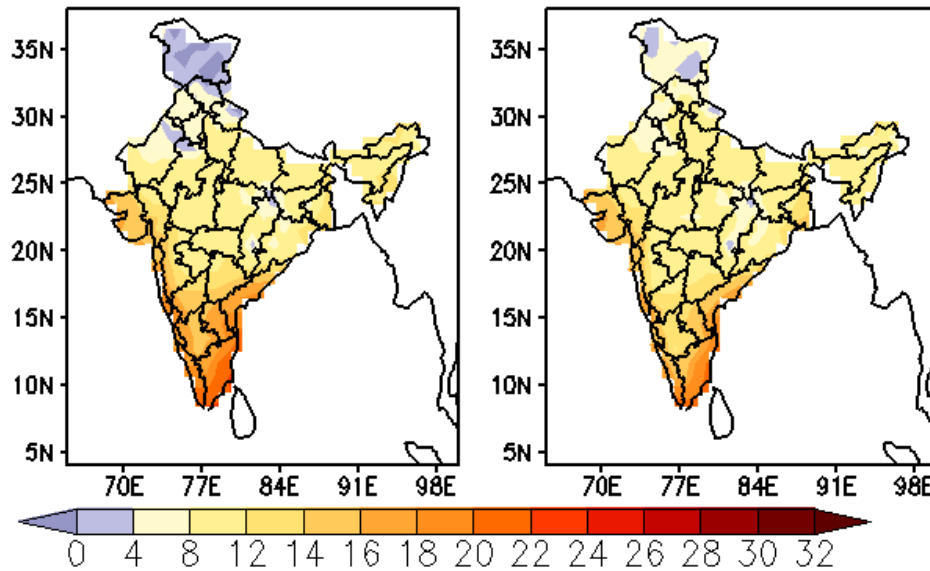
Extended range forecast of weekly distribution of rainfall in mm per day (top panel) and anomalies (lower panel) from IMD MME

Annexure IV

MME Bias corrected forecast Tmin (Deg C)

(Week1: 05Dec–11Dec)

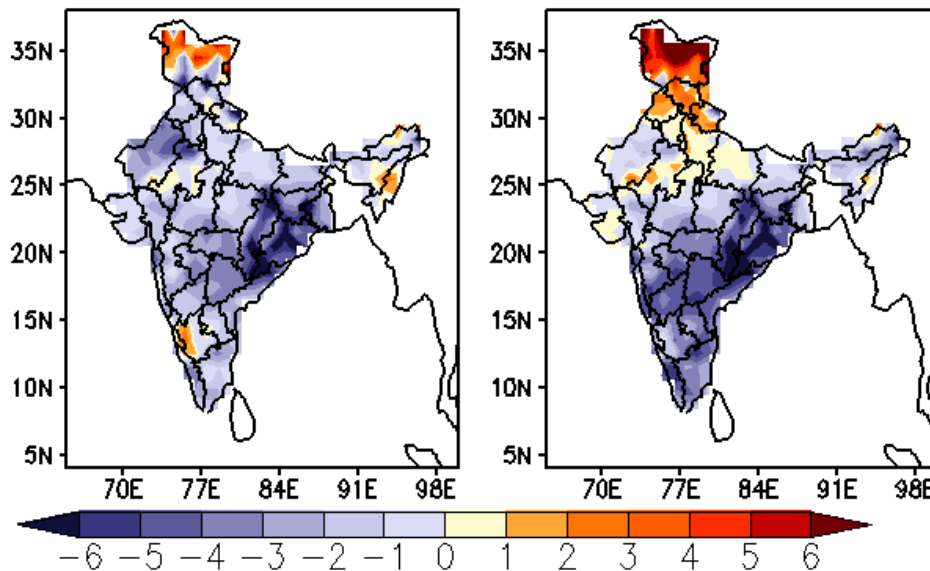
(Week2: 12Dec–18Dec)



MME forecast Tmin anomaly (Deg C)

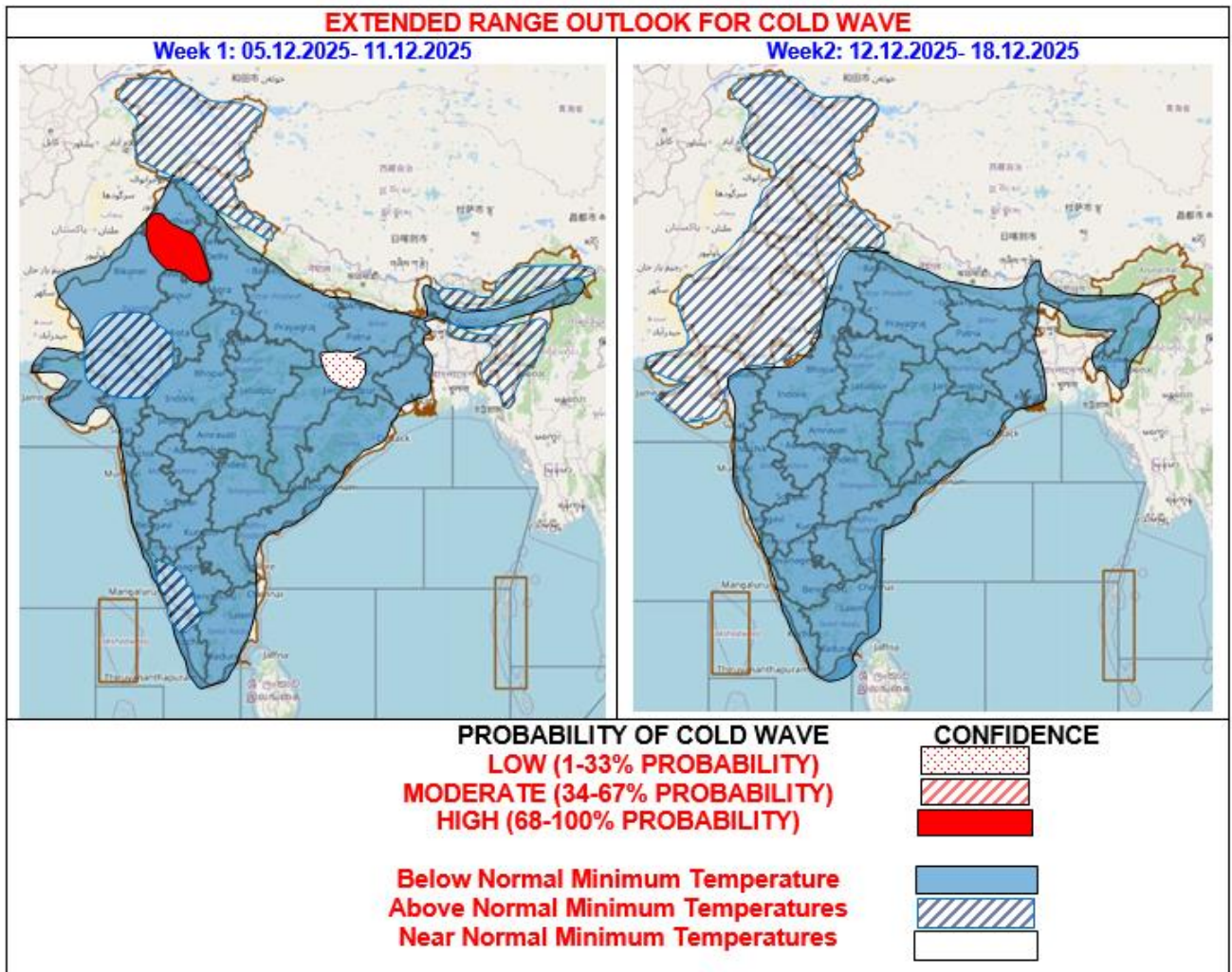
(Week1: 05Dec–11Dec)

(Week2: 12Dec–18Dec)



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

Annexure V



Graphical Probability of Cold wave and minimum temperature outlook for the next two weeks