



TPRCC Sub-domain Outlooks for DJF 2025/26

TPCF-4
2 December 2025

Vijay Kumar SONI
TPRCC Southern Node Lead



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT



Monthly Rainfall Post Monsoon Season 2025

पर्जन्य आंकडे - उत्तरपूर्व मानसून ऋतु २०२५

RAINFALL STATISTICS - NORTH-EAST MONSOON 2025

OCTOBER 2025	1-Oct	TO	31-Oct
REGION	ACTUAL	NORMAL	% DEP
COUNTRY AS A WHOLE	112.2	75.4	48.8
NORTHWEST INDIA	56.3	21.6	160.7
EAST & NORTHEAST INDIA	132.0	123.2	7.2
CENTRAL INDIA	95.0	57.0	66.6
SOUTH PENINSULA	212.8	152.3	39.8
CORE REGION OF SOUTH PENINSULA*	246.0	172.4	42.7

CUMULATIVE SEASONAL RAINFALL	1-Oct	TO	30-Nov
REGION	ACTUAL	NORMAL	% DEP
COUNTRY AS A WHOLE	129.2	105.1	23.0
NORTHWEST INDIA	59.0	33.7	74.9
EAST & NORTHEAST INDIA	156.6	145.8	7.4
CENTRAL INDIA	102.1	71.0	43.7
SOUTH PENINSULA	263.5	242.1	8.8
CORE REGION OF SOUTH PENINSULA*	314.0	291.1	7.9



(Based on real time data)
Actual and Normal in mm



FOUR HOMOGENEOUS REGIONS OF INDIA

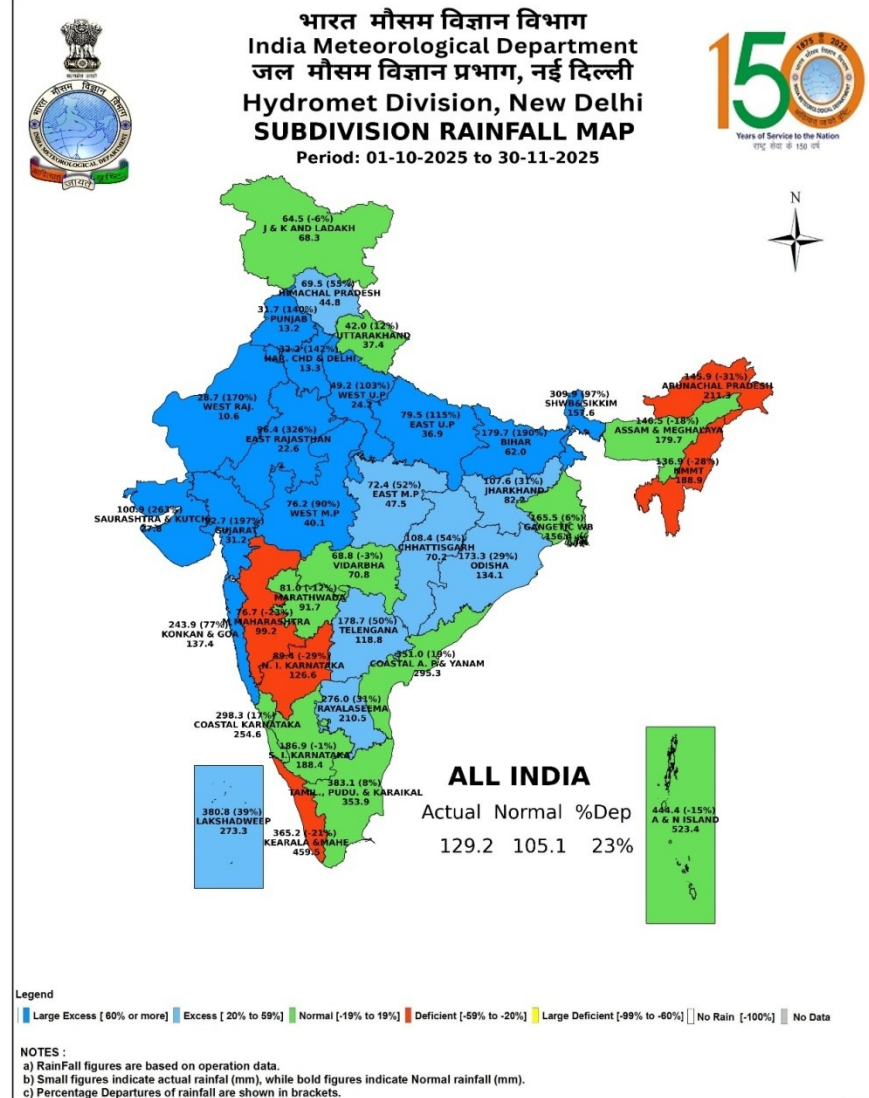
CORE REGION OF SOUTH PENINSULA

comprising of 5 subdivisions of south peninsula

- receiving North-East Monsoon viz:
- 1) Coastal Andhra Pradesh and Yanam
 - 2) Rayalaseema
 - 3) Tamil Nadu & Puducherry and Karaikal
 - 4) South Interior Karnataka
 - 5) Kerala & Mahe

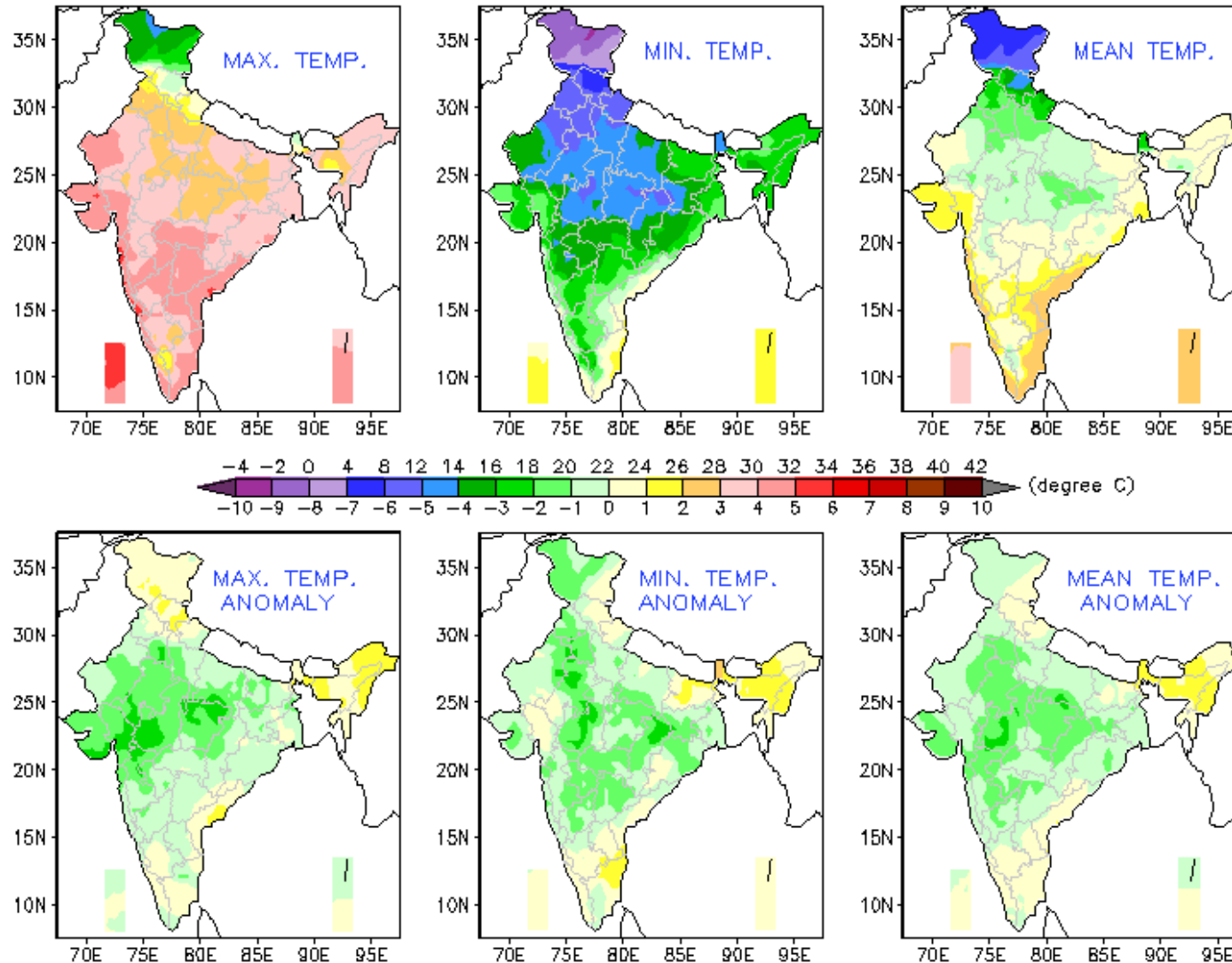


भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT



Temperature during November 2025

TEMPERATURE & ITS ANOMOLY FOR THE MONTH NOVEMBER 2025

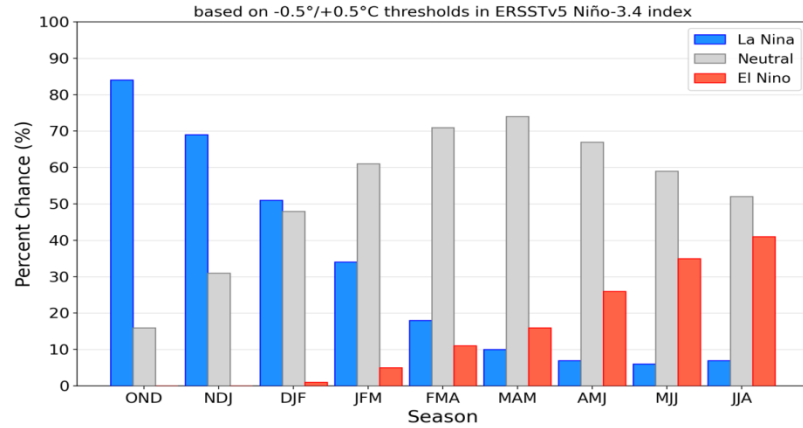


WDs and Winter Weather events in Nov 2025

- A Total of 4 WDs impacted in terms of temperature over north India and almost all were mostly dry WDs: WDs; 3 – 6, 8-10, 26-30 and 29-1 Dec) moved across northwest India
- Dense Fog cases were highly subdued during the month with 2-6 days reported from isolated pockets(2-3 Stations) over Northern parts of UP, Odisha and HP mainly during the month of Nov 2025

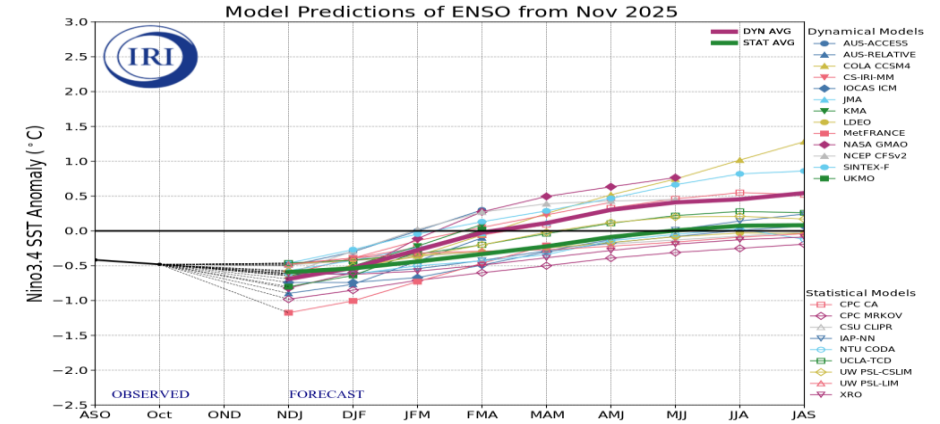
Latest ENSO & IOD Forecast: Nov 2025

Official NOAA CPC ENSO Probabilities (issued November 2025)



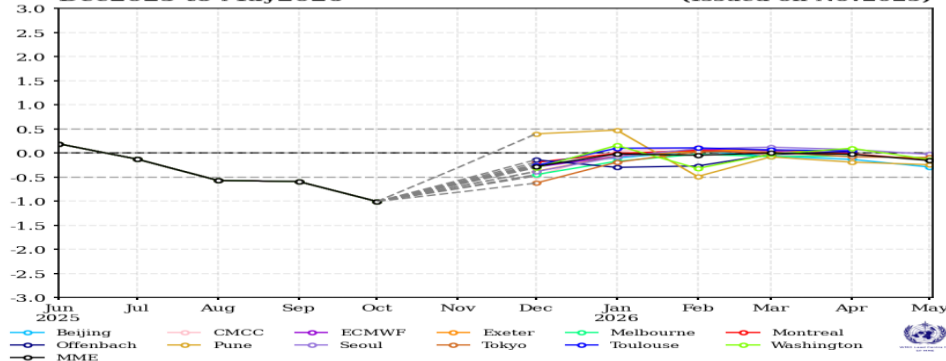
La Niña is favored to continue into the Northern Hemisphere winter, with a transition to ENSO-neutral most likely in January-March 2026 (61% chance).

ENSO



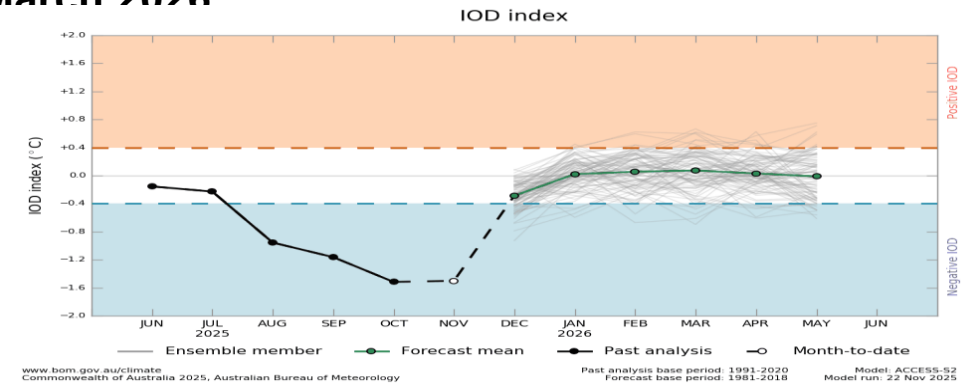
Most models favour La Niña to persist through Northern Hemisphere winter 2025-26 (Dec-Feb) before transitioning to ENSO-neutral in January-March 2026

Forecast of DMI(the Indian Ocean Dipole Mode Index) Dec2025 to May2026 (Issued on Nov2025)



Most of the models indicate that Transition of Negative IOD conditions to Neutral IOD conditions during the upcoming season.

IOD



The Bureau of Meteorology model indicates that a Transition of Negative IOD conditions to Neutral IOD conditions during the upcoming season.



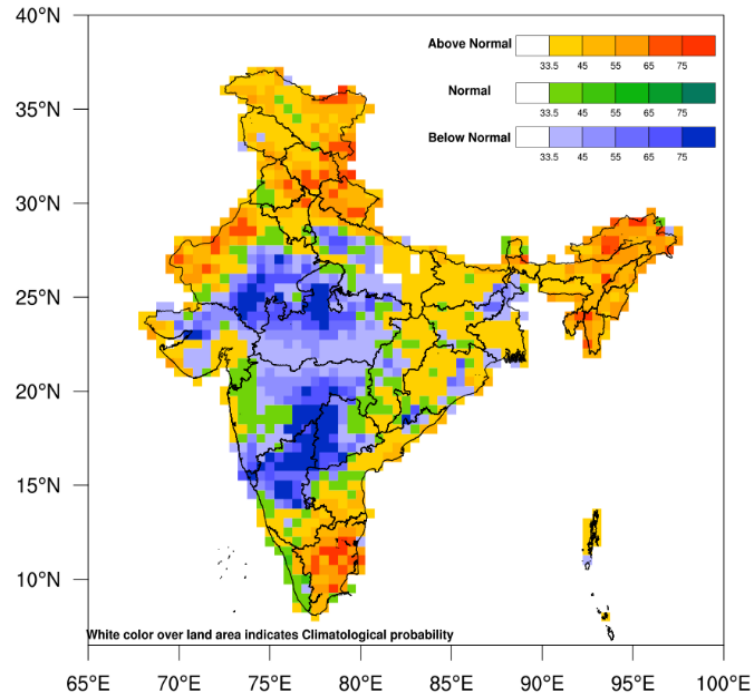
भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT



Temperature Outlook for 2025 December to February 2026 Season

Minimum Temperature

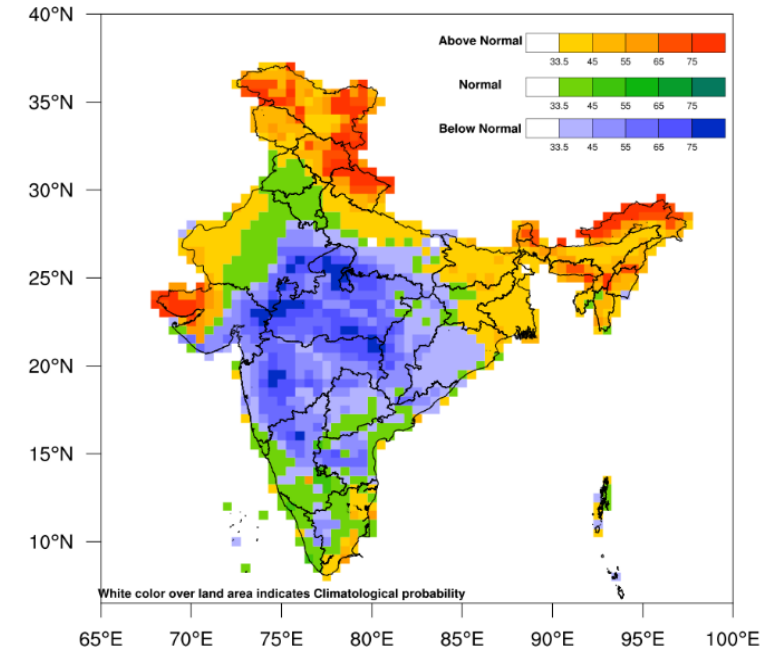
Minimum Temperature Outlook for December 2025 to February 2026 season



During the winter season (DJF 2025/2026) above normal minimum temperatures are likely over the Northern and North-eastern parts of the India.

Maximum Temperature

Maximum Temperature Outlook for December 2025 to February 2026 season



The maximum temperatures over Northwest, Northeast India, and areas along the foothills of the Himalayas are likely to experience above-normal maximum temperatures.



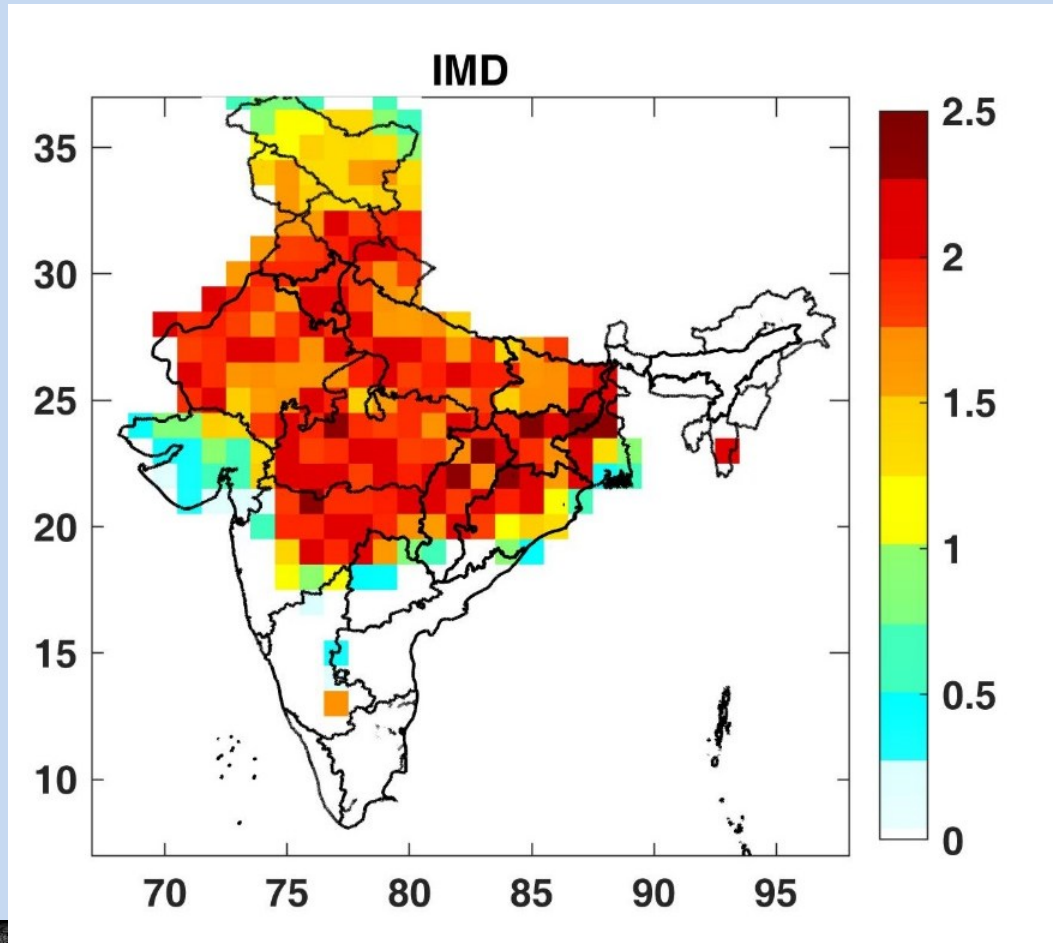
भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT



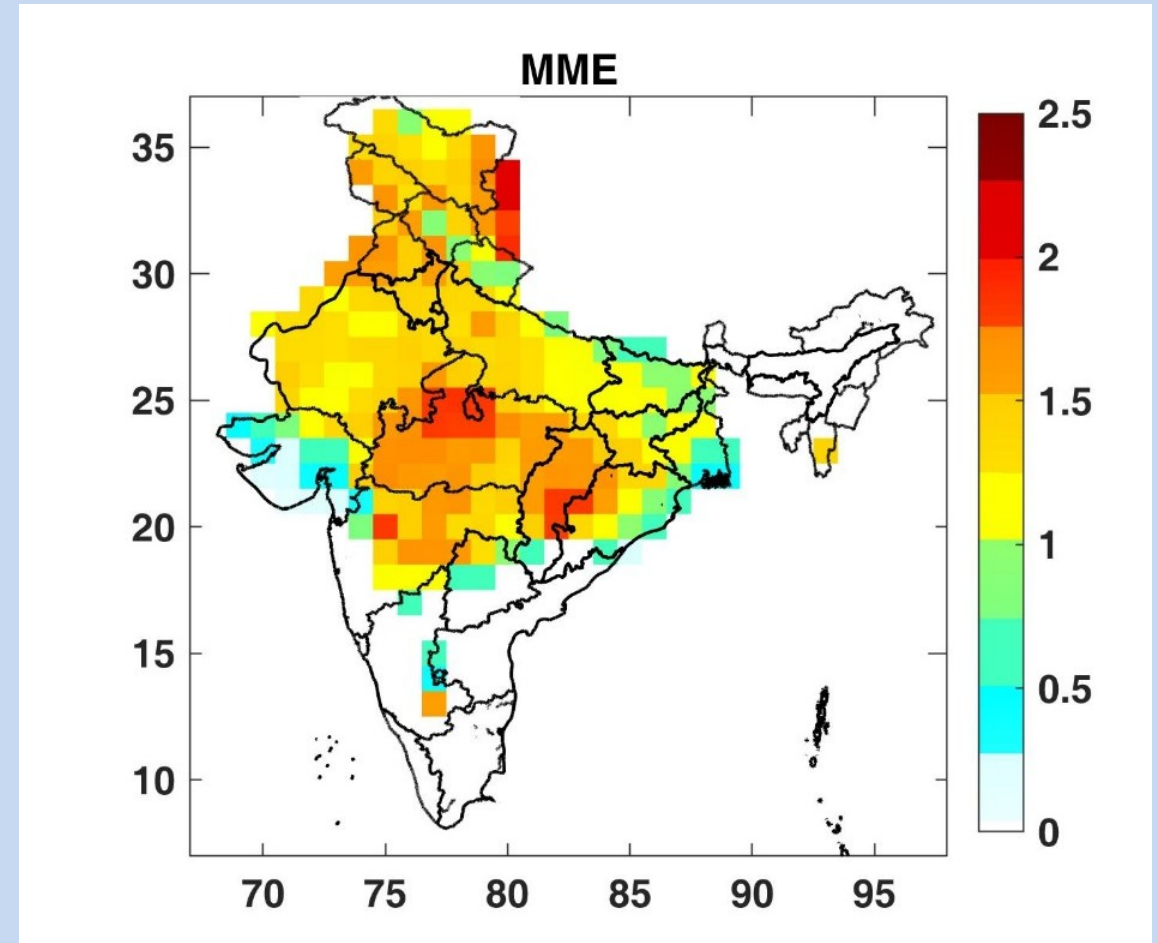
Cold Wave outlook for December 2025

Climatology of Cold Wave Duration (in days) for December for the period 1993-2016

Observation

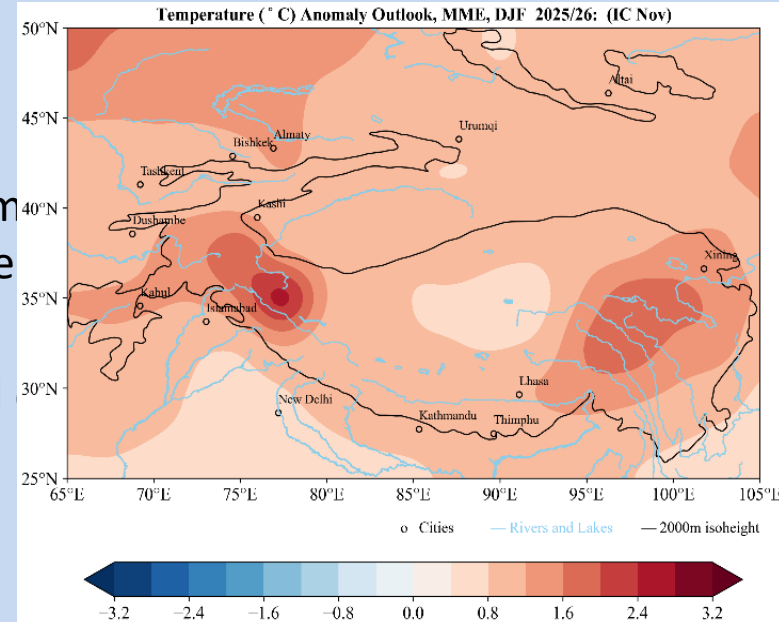
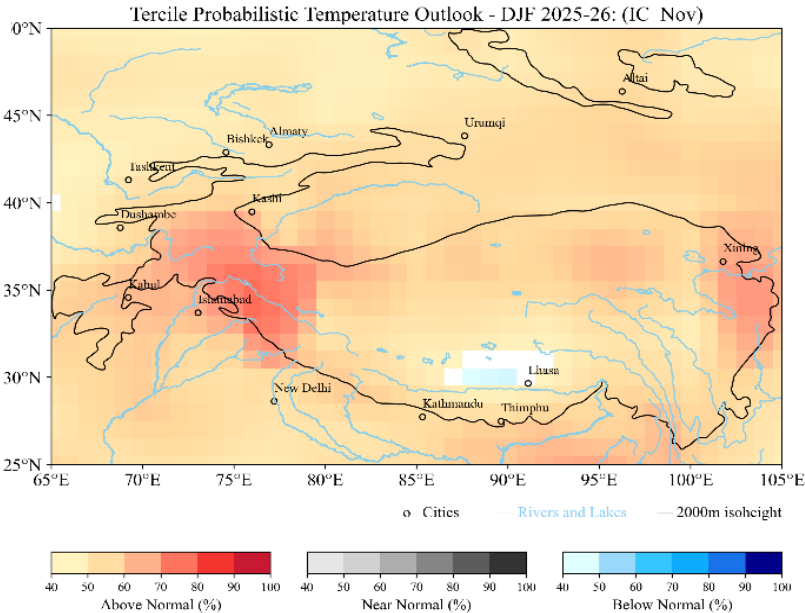


Model (MME)

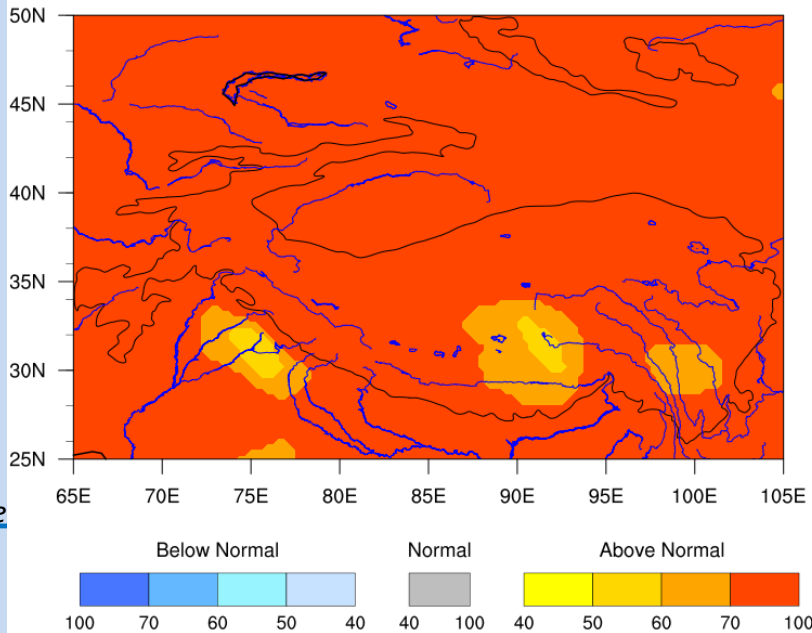


Seasonal Outlook for DJF 2025-26

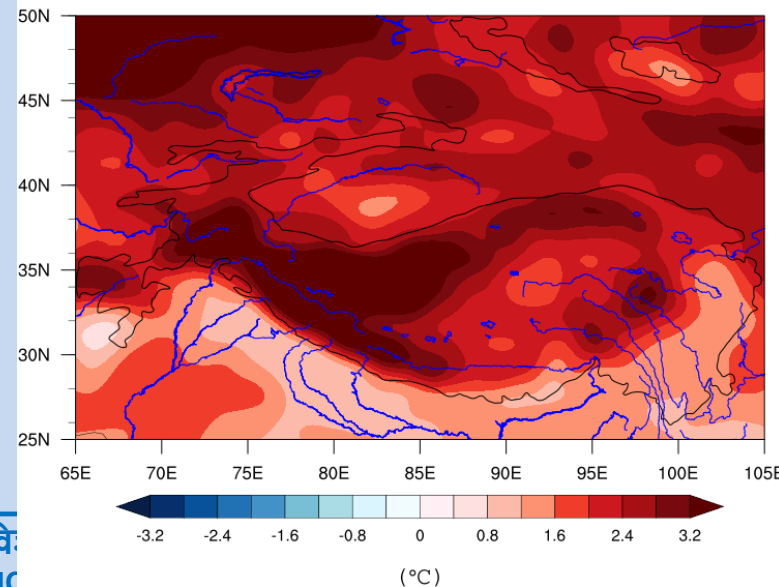
- Above the str...
easter...
- The pr...
the Ka...



MMCFS Mean Temperature % Probability: Nov IC 2025
DJF 2025-2026



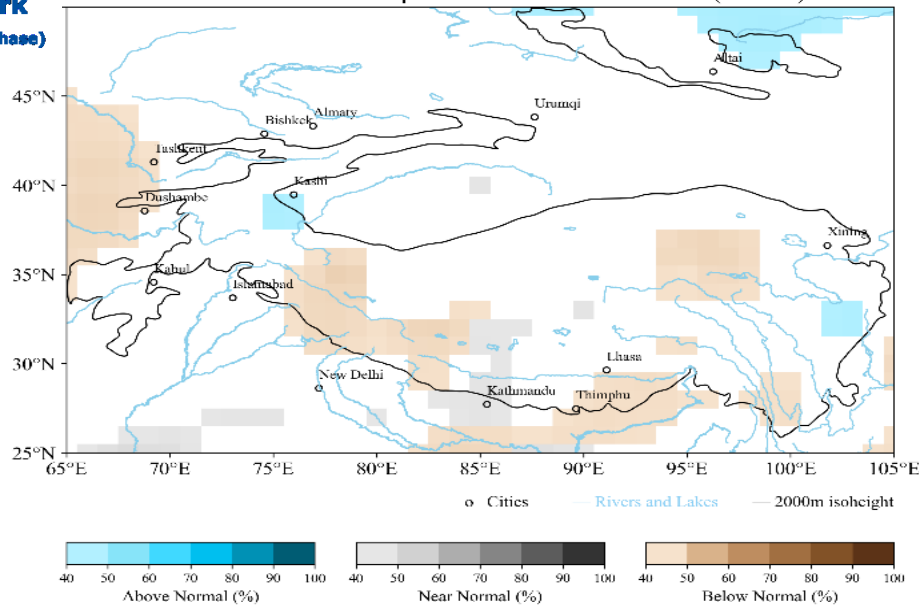
MMCFS Minimum Temperature Anomaly : Nov IC 2025
DJF 2025-2026



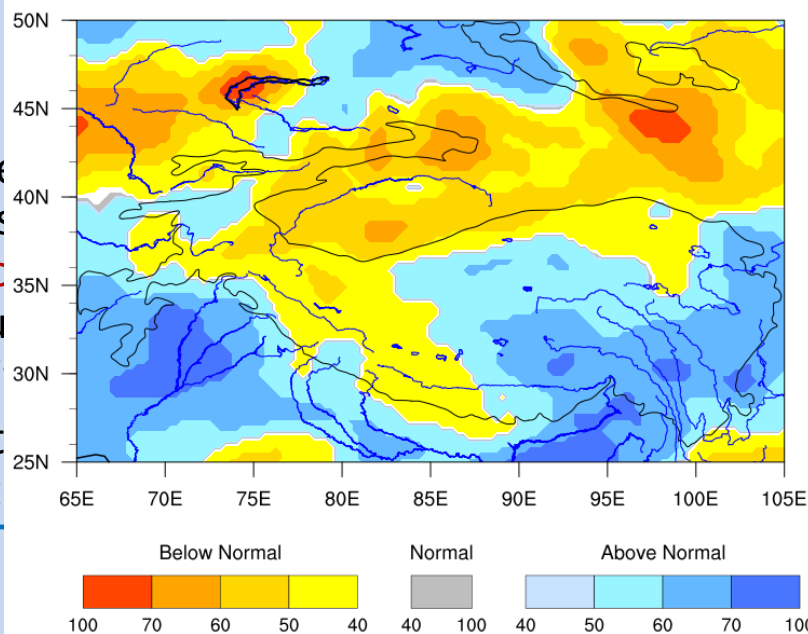
25/26, with
d by the
arly over

Seasonal Outlook for DJF 2025-26

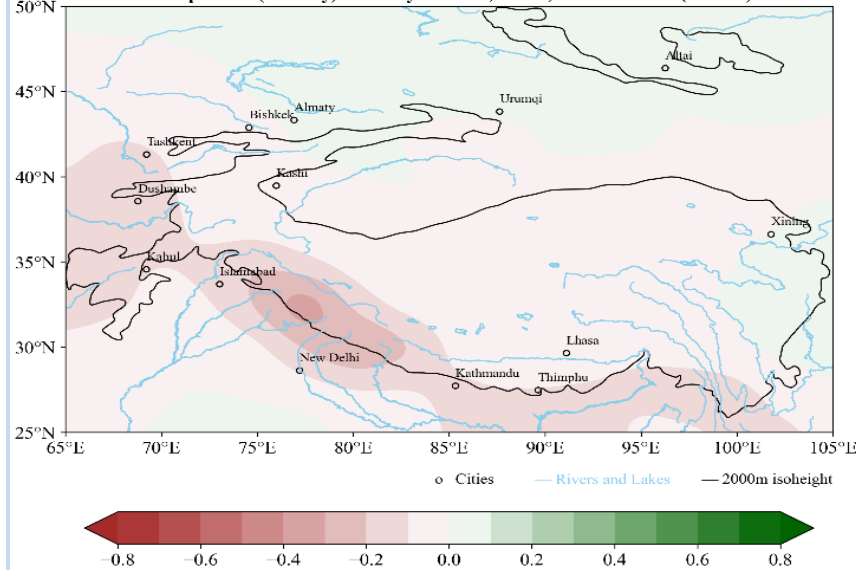
Tercile Probabilistic Precipitation Outlook - DJF 2025/26: (IC Nov)



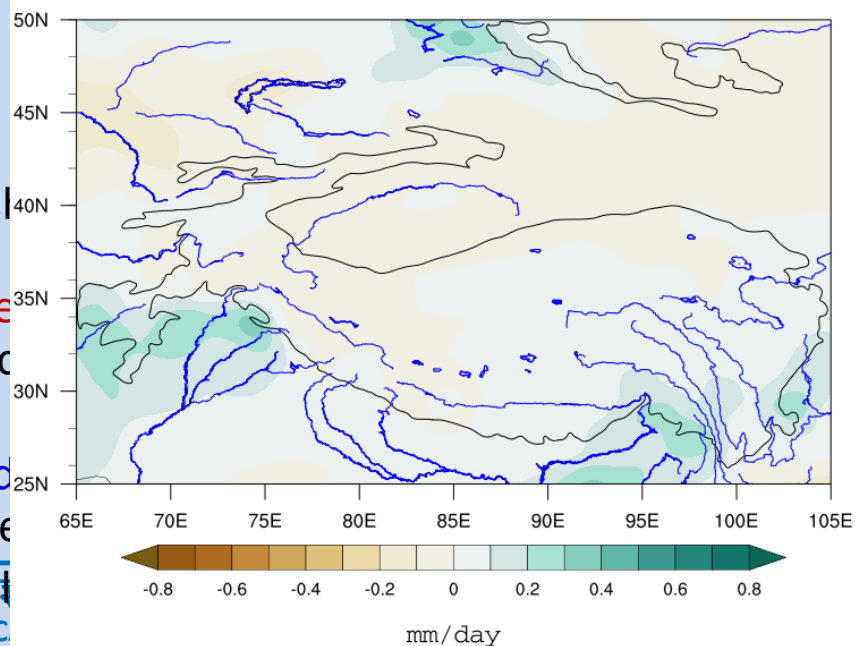
MMCFS Rainfall % Probability:NovIC 2025
DJF 2025-2026



Precipitation (mm/day) Anomaly Outlook, MME, DJF 2025/26: (IC Nov)



MMCFS Rainfall Anomaly : Nov IC 2025
DJF 2025-2026



- The pre...
- **Signific**...
- In cont...
- Across





Thank you



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

