

**UNIVERSITY OF AGRICULTURAL SCIENCES, BENGALURU &
INDIAN METEOROLOGICAL DEPARTMENT**



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AMFU, OFRS, NAGANAHALLI,
MYSURU – 570003**



Date: 03-06-2025

AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	31.05.2025	01.06.2025	02.06.2025	03.06.2025
Rainfall (mm)	0.5	0	0	0
Max. Temp. (°C)	27.2	29	31.8	31
Min. Temp. (°C)	22.1	20	19.4	20.7
Sky condition (Octas)	-	-	-	-
Relative humidity (%) 0830 hours	82	84	79	87
Relative humidity (%) 1730 hours	73	63	52	60
Wind Speed (km/h)	-	-	-	-
Wind Direction	-	-	-	-

Weather forecast for the next five days (From 04-06-2025 to 08-06-2025)

Parameter	04.06.2025	05.06.2025	06.06.2025	07.06.2025	08.06.2025
Rainfall (mm)	2	5	4	4	5
Max. Temp. (°C)	31	31	30	31	31
Min.Temp. (°C)	21	21	21	21	21
Sky condition (Octas)	5	5	4	2	5
Relative humidity (%) 0830 hours	83	89	89	91	89
Relative humidity (%) 1730 hours	58	59	57	56	55
Wind Speed (kmph)	10	8	10	8	8
Wind Direction	262	230	279	286	275

Forecast Summary

As forecast received from IMD, partially cloudy sky with **light rainfall** may be expected from 04.06.2025 to 08.06.2025 in Chamarajanagara district. The day temperature is expected to be 30-31°C & night temperature is expected 21°C. The relative humidity in the morning hours is expected to be 83-91% & afternoon relative humidity is expected to be in the range of 55-59%. Wind speed expected to be 8-10 km/ hr.

General Advisory:

- Light to moderate rainfall is expected daily; ensure proper drainage in all crop fields to prevent water stagnation.
- Cloudy weather with high humidity may favor the development of fungal diseases in crops.
- Carry out weeding and intercultural operations during dry spells to manage weed growth

effectively.

- Monitor crops regularly for fungal diseases such as blight, mildew, and rust; apply appropriate fungicides if symptoms appear.
- Provide support to tall and fruit-bearing crops like banana, tomato, and chilli to prevent lodging due to wind and wet soil.
- Avoid harvesting during rainy days; store harvested produce in dry and well-ventilated conditions.
- Maintain clean and dry shelters for livestock; ensure adequate ventilation and provide clean drinking water.
- Keep poultry sheds dry and hygienic; monitor for disease symptoms and ensure proper litter management.
- Apply fertilizers during dry weather to avoid nutrient loss through leaching.
- Monitor crops for sucking pests like aphids and whiteflies; use recommended pest control measures if necessary.
- Maintain overall field hygiene by removing diseased plant parts and crop debris to reduce the risk of infections.

SMS Advisory:

Monsoon may weaken as the depression over West Bengal coast subsides in 3–4 days. Dry and sunny weather expected across the state in the first week of June.

Crops and Suitable Varieties for Sowing in May

Paddy (Rice)

- **General Sowing:** MSN-99
- **Late June (3rd-4th week):** BR-2655, Jaya
- **Aerobic Paddy:** Daksha (KMP-175), Onnasiri (MAS-26), Sharada (MAS-946), Anagha (ARB-6), Rashi

Ragi (Finger Millet): Indaf-8, MR-1, MR-6, L-5, KMR-301, GPU-45, KMR-316

Maize (Shaktiman Maize): CSH-5, CSH-9

Pearl Millet (Musuku Jola): Hema, Nithyashree, MAH-14-5, MAH-14-138, MAH-15-84

Popcorn: Amber

Bajra (Pearl Millet): WCC-75, PHVB-910

- **Late June (3rd-4th week):** ICTP-8203, SMV-221, MH-946 (GHB-558)

Foxtail Millet (Navane): PS-4, SIA-326, GPUF-3

Horsegram (Haraka): RBK-155, GPUK-3

Little Millet (Same): CO-2, OLM-203, GPUL-6, GPUL-11

Proso Millet (Oodalu): DHBM-93-3

Kodo Millet (Korale): GPUBT-2

Red Gram (Pigeon Pea / Togari): BRG-1, BRG-2, BRG-3, BRG-4, BRG-5, ICP-7035, TTB-7, Hyderabad-3C

Groundnut (Nelekadale): GKVK-5, KCG-6 (Chintamani-6), GPBD-4, ICGV-91114, JL-24, TMV-2, GKVK-27

Sunflower: KBSH-41, 90, 44, 53, 78, 85

Soybean (Soya Avare): MAUS-2 (Pooja), Karune (vegetable soybean), KBS-23

Cotton: DCS-9 (Jyoti), 48-1 (Jwala)

- **Hybrid Varieties:** DCH-177, GCH-4, 30.N.23-66

Sesame (Hucchellu) - 4th week of June: KBN-1, No.71, KBN-2, 52: 2.2-62175, 2.2-86032, 2.2.A.2-18061

Horticultural Crops

- **Vegetables:** Tomato, Potato, Brinjal, Chilli, Cabbage, Radish, Knol-khol, Carrot, Onion
- **Fruits:** Mango, Banana, Lime, Guava, Sweet lime, Sapota, Papaya, Pomegranate, Pineapple, Cashew
- **Spices:** Garlic, Ginger, Turmeric, Cardamom

Fodder Crops

- **Sorghum (Fodder Maize):** JS-SF-3
- **Cowpea (Fodder):** MF-09-01, MF-08-14, 2-09-03
- **Napier-Bajra Hybrid Grass:** PBN-342

Category	Advisory
Livestock	Provide clean and fresh drinking water regularly due to moderate temperatures. Ensure well-ventilated, dry, and shaded shelters to protect animals from humidity and mild rainfall. Monitor animals for signs of respiratory issues due to humid conditions.
Poultry	Keep poultry sheds dry and well-ventilated. Avoid overcrowding to reduce stress and disease risk during humid and rainy days. Provide clean water and balanced feed during cooler morning and evening hours. Maintain hygiene to prevent fungal and bacterial infections.

Recommendations to the farmers:-

Weather based advisory

Crop	Stage	Advisory
Paddy	Vegetative stage	Light rains are beneficial. Maintain 2–3 cm water in field. Apply top dressing of nitrogen (urea) if not yet done. Monitor for leaf folder and blast.
Maize	Tasseling stage	Ensure adequate soil moisture during tasseling—most critical stage. Light irrigation needed if rain is insufficient. Avoid spraying during tasseling.
Finger millet	Vegetative stage	Favorable for vegetative growth. Intercultural operations can be done. Apply nitrogen top dressing after rains.
Tomato	Flowering	Avoid water stagnation. Stake plants to prevent lodging. Spray borax (0.2%) to prevent flower drop. Monitor for thrips and leaf curl virus.
Chilli	Fruit formation stage	Ensure good drainage. Apply potassium-rich fertilizers for fruit setting. Monitor for sucking pests and fruit rot after rains.
Banana	Fruit development stage	Support plants to prevent lodging due to wind. Maintain basin cleanliness. Apply potash and micronutrients if not done.
Black gram, Green gram and cowpea	Sowing	Rains are favorable for sowing. Choose well-drained fields. Avoid sowing just before the 21st (moderate rain) to prevent seed rotting.
Sugarcane	Vegetative	Light rain is good. Carry out earthing-up if not done. Top-dressing of nitrogen after rainfall is beneficial. Control early shoot borer.
Mango	Fruit development stage	Light rain is favorable. Ensure fruit fly traps are installed. Spray potassium nitrate (1%) for fruit development and to prevent spongy tissue.
Vegetable crops	Various stages	Ensure drainage to avoid root rot. Spraying should be planned before rainfall. Check for fungal/pest issues post-rain and apply need-based treatment.

Livestock, Poultry, and Sericulture Advisory	
Sector	Weather-Based Advisory
Livestock	Ensure clean, shaded, and well-ventilated shelters to prevent heat and humidity stress. Provide plenty of clean drinking water . Use fans if possible. Avoid grazing during midday heat . Supplement with mineral mixture and salt licks to maintain animal health. Regularly check hooves and shelter hygiene due to increased moisture.
Poultry	Maintain proper cross-ventilation and ensure adequate space in sheds to avoid crowding. Sprinkle water around sheds to reduce temperature. Provide cool, clean water with electrolytes . Feed birds during early morning and evening . Ensure dry bedding to prevent fungal issues due to humidity.
Sericulture	Maintain optimal rearing room temperature (26–28°C) and humidity (75–80%) through humidifiers or water sprinkling . Avoid overcrowding of worms. Provide well-moistened mulberry leaves , and protect mulberry gardens from rain damage using proper drainage and partial shade. Monitor for fungal diseases due to changing humidity.

Recommendation to farmers		
Crop specific advisory:		
Crop	Stage	Advisory
Maize fall army worm	Tasseling stage	<ul style="list-style-type: none"> ✓ Handpick and destroy egg masses and larvae. ✓ Use predators like <i>Trichogramma pretiosum</i> or parasitoids like <i>Telenomus remus</i>. ✓ Apply <i>Metarhizium anisopliae</i> or <i>Beauveria bassiana</i>. ✓ Spray Chlorantraniliprole 18.5% SC @ 0.4 ml/l or Emamectin benzoate 5% SG @ 0.4 g/l. Avoid excessive nitrogen application.
Coconut rugose whitefly	Vegetative stage	<ul style="list-style-type: none"> ✓ Prune and burn infested leaves. ✓ Release <i>Encarsia guadeloupae</i> parasitoids. Conserve natural predators like ladybird beetles (<i>Cryptolaemus montrouzieri</i>). ✓ Spray Neem oil 1% or use Acephate 75 SP @ 1 g/l as a spot application if infestation is severe.
Chilli leaf curl virus	Fruit formation stage	<ul style="list-style-type: none"> ✓ Use virus-free seeds and resistant varieties. Maintain proper spacing and avoid overlapping. ✓ Remove and destroy infected plants. Use yellow sticky traps to monitor whitefly populations. ✓ Spray Imidacloprid 17.8% SL @ 0.5 ml/l or Thiamethoxam 25 WG @ 0.3 g/l.
Tomato Early and late blight of tomato	Flowering	<p>For late blight of tomato 15 days prior to transplanting Trichoderma and Pseudomonas enriched compost may be incorporated to the soil.</p> <p>For early blight control spray 2.0 g. Mancozeb 75 WP OR 2.0 g. Maneb OR 2.0 g. Metalaxyl- MZ 72WP. OR 2.0 g. Dimethomorph + polyram/lit. water.</p> <p>For control of late blight spray 2.0 g. Metalaxyl - MZ 72WP. OR 2.0 g. Fosetyl al 80 WP OR 2.0 g. Dimethomorph + polyram in a lit. water, 5 weeks after transplanting. Repeat the spray 7th, 9th and 11th weeks after transplanting. 200- 250 lit. spray solution required/acre/spray.</p>

Block level weather forecast (From 04-06-2025 to 08-06-2025)					
Chamarajanagara					
Parameter	04.06.2025	05.06.2025	06.06.2025	07.06.2025	08.06.2025
Rainfall (mm)	0.6	4.6	0	0.1	0.5
Max. temp (°C)	29.2	29.1	30.2	30.9	30.4
Min.Temp (°C)	20.1	20.5	20.4	20.1	20.2
Sky condition (Octas)	5	8	7	6	6
Relative humidity (%) 0830 hours	85.3	83.8	89.5	93.4	88.4
Relative humidity (%) 1730 hours	47.7	49.6	37.6	38.2	41
Wind Speed (kmph)	5.4	6.4	5.4	5	6.6
Wind Direction	289.7	296.6	306.9	329.8	319.4

Gundlupete					
Parameter	04.06.2025	05.06.2025	06.06.2025	07.06.2025	08.06.2025
Rainfall (mm)	1	4.3	0.3	0.4	5.6
Max. temp (°C)	28.2	28.4	30	30.4	29.1
Min.Temp (°C)	20.5	20.5	20.2	19.8	19.7
Sky condition (Octas)	5	8	7	6	7
Relative humidity (%) 0830 hours	82.2	83.2	87.4	90.8	88.4
Relative humidity (%) 1730 hours	51.4	53.4	39.3	40.6	45.6
Wind Speed (kmph)	12.8	12.3	7.6	5.8	9.8
Wind Direction	253.6	263.3	278.1	291.8	276.3

Kollegala					
Parameter	04.06.2025	05.06.2025	06.06.2025	07.06.2025	08.06.2025
Rainfall (mm)	0.4	6.3	0	0	1.1
Max. temp (°C)	30.4	29.8	31.6	32.1	31.6
Min.Temp (°C)	21.2	21.6	21	21.4	20.9
Sky condition (Octas)	5	8	7	5	6
Relative humidity (%) 0830 hours	83.5	82.4	90	91.2	88.3
Relative humidity (%) 1730 hours	45.4	49.4	36.1	36.2	38.7
Wind Speed (kmph)	11.1	8.9	5.9	3.8	5.1
Wind Direction	256.9	248.6	256	286.7	265.9

Yelandur

Parameter	04.06.2025	05.06.2025	06.06.2025	07.06.2025	08.06.2025
Rainfall (mm)	0.2	7.7	0	0.3	2.5
Max. temp (°C)	30.2	29.6	31.4	31.9	31.2
Min.Temp (°C)	21	21.4	20.8	21.1	20.7
Sky condition (Octas)	5	8	7	5	6
Relative humidity (%) 0830 hours	84	82.6	89.9	91.5	89.1
Relative humidity (%) 1730 hours	45.6	49.6	36.7	36.5	40.3
Wind Speed (kmph)	10.2	8.4	5.5	3.7	4.7
Wind Direction	259.9	250	258.7	299.1	0

Hanur

Parameter	04.06.2025	05.06.2025	06.06.2025	07.06.2025	08.06.2025
Rainfall (mm)	0.9	10.5	0.1	1.3	6.2
Max. temp (°C)	28.7	28.5	29.7	30.6	30
Min.Temp (°C)	19.9	20.2	20	20	19.9
Sky condition (Octas)	6	8	7	5	6
Relative humidity (%) 0830 hours	87.6	85.6	91.1	93	90.4
Relative humidity (%) 1730 hours	48.3	50.4	39.4	40.5	43.2
Wind Speed (kmph)	9	9.7	7.9	6.9	7.7
Wind Direction	267.7	267.9	0	279	280.8

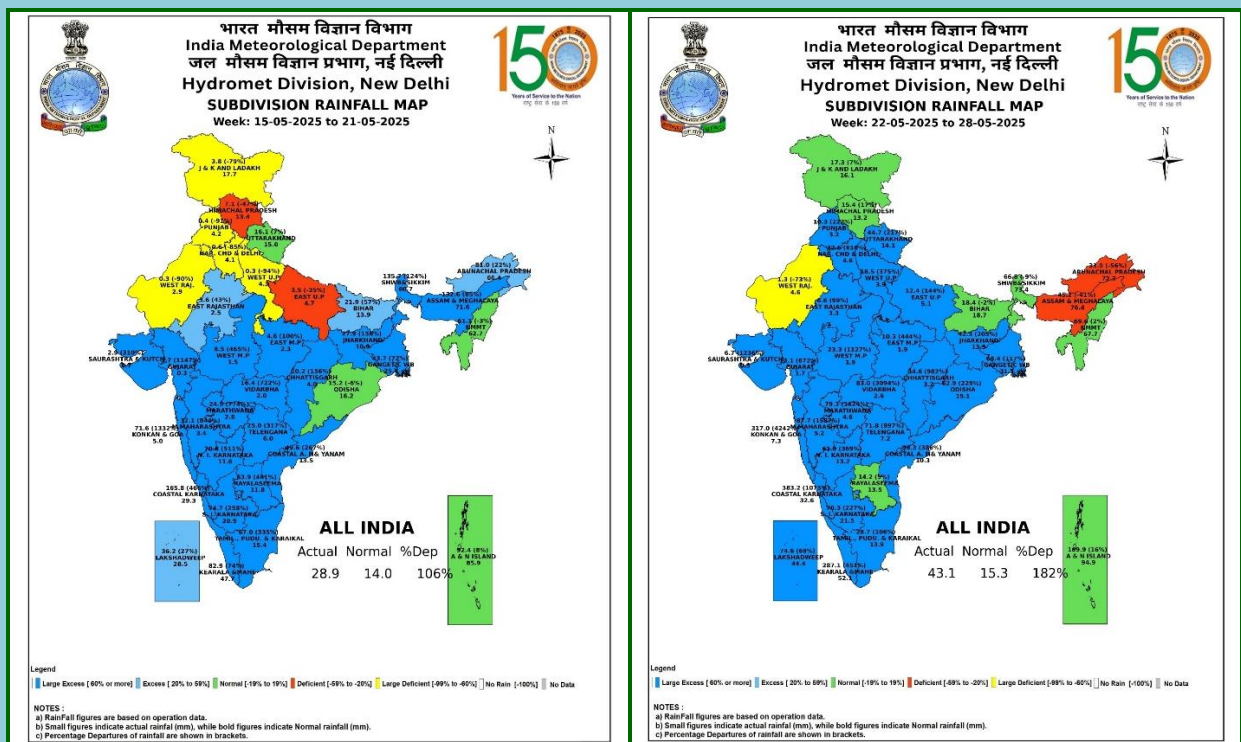
- Download “**DAMINI**” app to get early warning on lightening and take precautions based on the alert given by the application.
- Kindly download “**MAUSAM**” APP for location specific forecast & warning & “**MEGHDOOT**” APP for Agromet advisory
- This information is available in the website: mausam.imd.gov.in

For any information farmers can contact **Dr. C. Ramachandra**, Senior Farm Superintendent/
Dr. Sumanth Kumar.G.V, Technical officer over phone No. 0821-259126/ 9535345814.

AMFU of IMD,
Naganahalli, Mysuru

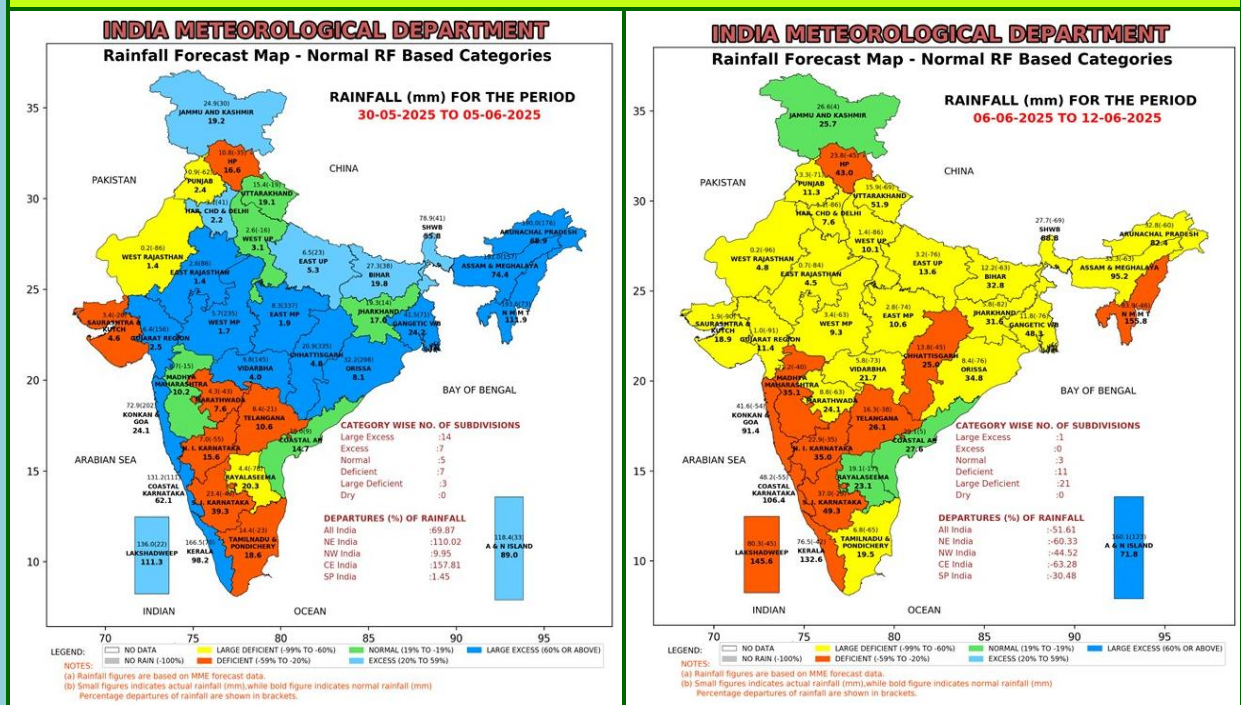
वास्तविकवर्षातथाविस्तारितअवधिपूर्वानुमान
Realized Rainfall and Extended Range Forecast
(वर्षाऔरतापमान)
(Rainfall and Temperature)

Realized Rainfall
(15th to 28th May, 2025)



Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC- 28thMay,2025) (30thMayto 12thJune, 2025)



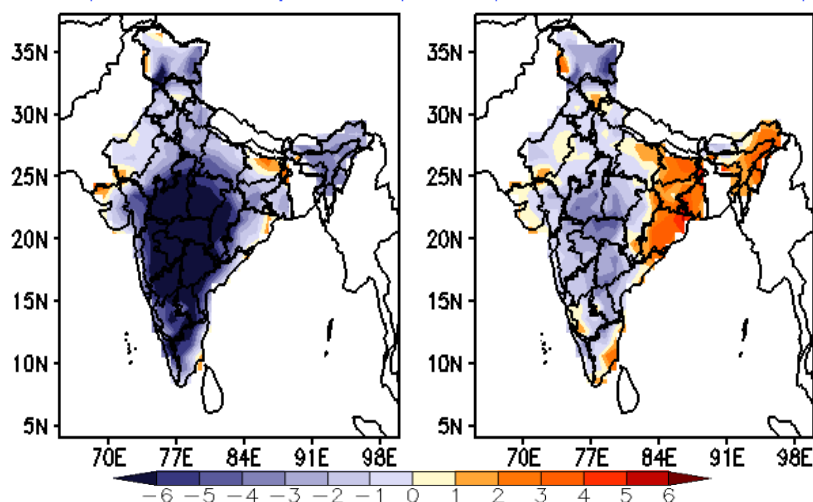
- Week1(30.05.2025 to 05.06.2025):**Rainfall is likely to be above normal over North East India and along West Coast and below normal over Interior Karnataka, Rayalaseema and Tamil Nadu. However, mainly dry weather is likely to be over Rajasthan, Punjab, Haryana, West Uttar Pradesh, Saurashtra & Kutch, most parts of Tamil Nadu, North Interior Karnataka and Rayalaseema.
- Week 2 (06.06.2025 to 12.06.2025):**Rainfall is likely to be below normal over most parts of the country. Mainly dry weather is likely over Rajasthan, Punjab, Haryana, Gujarat, Uttar Pradesh and Madhya Pradesh.

Maximum and Minimum temperature anomaly (°C) forecast for the next 2 weeks (IC- 28thMay,2025) (30thMay to 12th June, 2025)

MME forecast Tmax anomaly (Deg C)

(Week1: 30May–05Jun)

(Week2: 06Jun–12Jun)



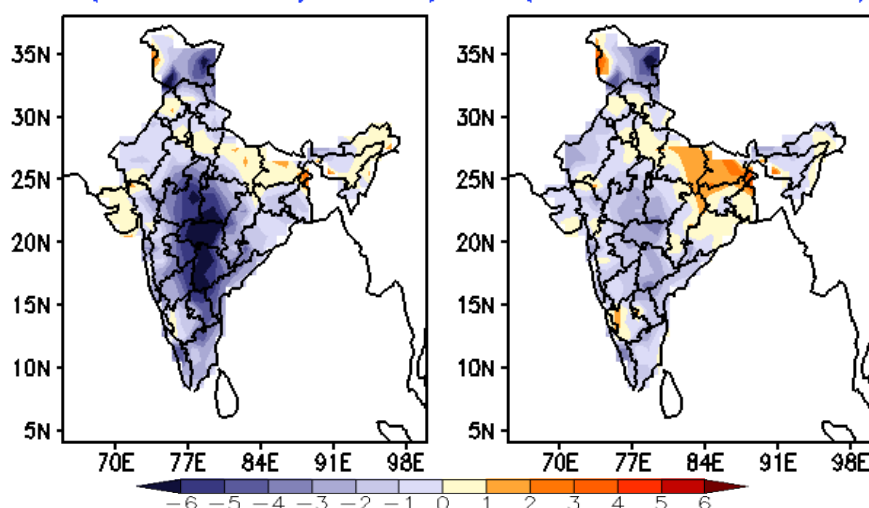
Maximum Temperature (Tmax)

- **Week 1 (30.05.2025 to 05.06.2025):** Maximum temperature is likely to be below normal over most parts of the country except Bihar.
- **Week 2 (06.06.2025 to 12.06.2025):** Maximum temperature is likely to be above normal over East and North East India and below normal over rest of the country.

MME forecast Tmin anomaly (Deg C)

(Week1: 30May–05Jun)

(Week2: 06Jun–12Jun)



Minimum Temperature (Tmin)

- **Week 1 (30.05.2025 to 05.06.2025):** Minimum temperature is likely to be below normal over most parts of the country. However, it is likely to be slightly above normal over Saurashtra & Kutch, Bihar, East Uttar Pradesh and Arunachal Pradesh.
- **Week 2 (06.06.2025 to 12.06.2025):** Minimum temperature is likely to be below normal over many parts of the country. However, it is likely to be above normal over Bihar and East Uttar Pradesh.