

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



**GRAMIN KRISHI MAUSAM SEWA
AMFU, OFRS, NAGANAHALLI,
MYSURU - 570003**



Date:15-04-2025

AGRO-ADVISORY BULLETIN FOR MANDYA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	12.04.2025	13.04.2025	14.04.2025	15.04.2025
Rainfall (mm)	-	0	3	0
Max. Temp. (°C)	-	33.9	33.6	36.2
Min. Temp. (°C)	-	20.3	20.9	26.5
Sky condition (Octas)	-	-	-	5
Relative humidity (%) 0830 hours	-	80	100	81
Relative humidity (%) 1730 hours	-	49	35	66
Wind Speed (km/h)	-		-	0
Wind Direction	-	-	-	0

Weather forecast for the next five days (From 16-04-2025 to 20-04-2025)

Parameter	16.04.2025	17.04.2025	18.04.2025	19.04.2025	20.04.2025
Rainfall (mm)	5	2	4	2	5
Max. temp (°C)	36	36	36	37	37
Min.Temp (°C)	27	27	27	28	28
Sky condition (Octas)	4	5	3	3	4
Relative humidity (%) 0830 hours	84	85	82	81	80
Relative humidity (%) 1730 hours	47	46	45	44	47
Wind Speed (kmph)	12	12	10	8	10
Wind Direction	254	207	234	259	260

Forecast Summary

As forecast received from IMD, cloudy sky with **light rainfall** may be expected from **16.04.2025 to 20.04.2025** in Mandya district. The day temperature is expected to be 36-37°C & night temperature is expected to be 27-28°C. The relative humidity in the morning hours is expected to be 80-85% & afternoon relative humidity is expected to be in the range of 44-47% Wind speed expected to be 8-12 km/ hr.

SMS Advisory

A forecasted temperature for the next five days is 34°C. Farmers should irrigate crops adequately and use mulching to conserve soil moisture. Provide shade and sufficient drinking water for livestock to prevent heat stress. Ventilation in polyhouses and shaded structures for horticultural crops will help minimize heat-related damage.

Recommendations to the farmers:-

Crop	Pest/Disease	Damage symptoms	Control measures
General Advisory:			
<ul style="list-style-type: none">• Light rainfall; retain soil moisture, providing irrigation at proper intervals is essential to prevent drought stress.• Mulching with straw, dry leaves, or plastic mulch will help retain soil moisture and reduce evaporation losses.• Pest and Disease Monitoring: Dry conditions favor thrips, mites, aphids, and other sucking pests—regularly monitor crops and use biological or recommended chemical controls if necessary.• Drip Irrigation or Sprinkler System: Efficient water management through drip or sprinkler irrigation is advised to optimize water usage.• For harvested Crops: Proper drying and moisture management should be ensured before storage to prevent fungal and insect infestations.			

Weather based advisory

Crop	Stage	Advisory
Paddy	Vegetative stage	Provide regular irrigation to maintain soil moisture. Monitor for stem borer and apply necessary pest control. Maintain proper weed control.
Maize	Tasseling stage	Ensure sufficient moisture to support grain formation. Avoid moisture stress by irrigating fields. Monitor for fall armyworm and use pheromone traps or biological control if needed.
Finger millet	Vegetative stage	Irrigate based on soil moisture. Keep the field weed-free. Apply necessary nutrients for proper growth.
Tomato	Vegetative stage	Water at regular intervals to prevent stress. Monitor for pests like thrips and diseases like early blight. Use mulch to conserve soil moisture.
Chilli	Fruit formation stage	Regular irrigation is essential to avoid flower and fruit drop. Monitor for thrips and mites. Apply organic mulching to retain soil moisture.
Banana	Fruit development stage	Provide irrigation at regular intervals. Ensure proper nutrient supply, especially potassium for better fruit development. Protect plants from sunburn by using organic mulch.
Vegetable crops	Various stages	Maintain adequate soil moisture. Protect crops from pest attacks due to dry weather. Mulching can help conserve moisture and regulate soil temperature.

Weather based advisory

Crop	Stage	Advisory
Paddy	Vegetative stage	Provide regular irrigation to maintain soil moisture. Monitor for stem borer and apply necessary pest control. Maintain

		proper weed control.
Maize	Tasseling stage	Ensure sufficient moisture to support grain formation. Avoid moisture stress by irrigating fields. Monitor for fall armyworm and use pheromone traps or biological control if needed.
Finger millet	Vegetative stage	Irrigate based on soil moisture. Keep the field weed-free. Apply necessary nutrients for proper growth.
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Vegetable crops	Various stages	Maintain adequate soil moisture. Protect crops from pest attacks due to dry weather. Mulching can help conserve moisture and regulate soil temperature.

Livestock, Poultry, and Sericulture Advisory (No Rainfall & High Temperature)	
Sector	Weather-Based Advisory
Livestock	Ensure proper shade and ventilation in animal sheds. Provide ample clean drinking water. Avoid grazing during peak heat hours. Provide mineral supplements to prevent heat stress.
Poultry	High temperatures may lead to heat stress, affecting egg production and bird health. Maintain proper ventilation in poultry sheds. Provide cool drinking water with electrolytes. Reduce feed quantity in the daytime and provide more during cooler hours.
Sericulture	High temperatures can stress silkworms. Maintain humidity by sprinkling water in rearing rooms. Provide proper aeration and shade to protect mulberry plants from heat stress.

Moisture Conservation Practices and Summer Ploughing Advisory	
Practice	Weather-Based Advisory
Mulching	Apply dry leaves, paddy straw, or organic waste around plants to reduce evaporation losses and soil temperature.
Summer Ploughing	Since rainfall is absent, conduct deep summer ploughing to expose soil-borne pests and improve aeration. It also helps in better moisture retention for the next season.
Irrigation Management	Follow drip irrigation or sprinkler irrigation to conserve water. Irrigate during early morning or evening hours to minimize evaporation losses.
Shading Measures	For young plants and nurseries, use shade nets or temporary structures to reduce direct heat impact.

Sugarcane trash management
<ul style="list-style-type: none"> ➤ Composting: Convert trash into organic manure. ➤ Mulching: Use as mulch to conserve moisture and suppress weeds. ➤ Bio-decomposer: Spray bio-decomposers (e.g., <i>Trichoderma</i>, <i>Pseudomonas</i>) on trash piles to accelerate decomposition.

- **Soil Incorporation:** Shred and plow trash into the soil.
- **Vermicomposting:** Use in vermiculture for nutrient-rich compost.
- **Animal Bedding:** Use for livestock, later as manure.
- **Avoid Burning:** Opt for sustainable disposal methods.

Recommendation to farmers

Crop specific advisory:

Crop	Stage	Advisory
Cabbage diamond back moth	Head stage	<ul style="list-style-type: none"> Spray DDVP 76 EC. @0.5 ml./lit water in nursery. 15 days before transplanting around the main field and every 25 rows of cabbage one row of mustard sowing, 15 to 20 days after cabbage planting another row of mustard sowing. Mustard as trap crop. Spray on mustard with 0.5 ml. DDVP in a lit. water. During head formation, spray 5 per cent NSKE . Birdpurchases may be provided to attract predatory birds.
Tomato whiteflies	Fruiting stage	Spray 1.0ml.Oxydemeton methyl 25 EC in a lit. water.
Bean Pod borer	Pod formation stage	Spray 2.0 ml. Malathion 50 EC./ lit. water .
Tomato Early and late blight of tomato	Fruiting stage	<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</p> <p>OR</p> <p>2.0 g. Maneb</p> <p>OR</p> <p>2.0 g. Metalaxyl- MZ 72WP.</p> <p>OR</p> <p>2.0 g. Dimethomorph + polyram/lit. water.</p> <p>For control of late blight spray 2.0 g. Metalaxyl - MZ 72WP.</p> <p>OR</p> <p>2.0 g. Fosetyl al 80 WP</p> <p>OR</p> <p>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>
Banana Leaf spot (sigatoka)	Fruit development	<p>In endemic areas grow resistant banana variety - Sakkare bale.</p> <p>At the time of planting the rhizomes may treated with any one of the Fungicides /lit. water</p> <p>a)Propiconazole 25 EC.- 1.0 ml.</p> <p>b)Theiophenate methyl 70 Wdiv.- 1.0 g.</p> <p>c)Carbendazim 50 Wdiv.- 1.0 g.</p> <p>d)Metham Sodium (Vapom) - 1.0 g.</p> <p>In Mashy area provide drainage.</p>
Field bean pod borer	Pod development	<p>Dust 10 kg. Fenvalrate 0.4 D.</p> <p>OR</p> <p>Malathion 5 D. per acre during morning hours.</p>

Block level weather forecast (From 16-04-2025 to 20-04-2025)					
Krishnarajpet					
Parameter	16.04.2025	17.04.2025	18.04.2025	19.04.2025	20.04.2025
Rainfall (mm)	1.3	2.6	1.3	2.7	2
Max. temp (°C)	32.4	30.6	33.2	33	33.6
Min.Temp (°C)	22.1	21.7	21.2	22.1	22.2
Sky condition (Octas)	4	5	3	3	4
Relative humidity (%) 0830 hours	75.2	77.9	83.3	78.7	74.6
Relative humidity (%) 1730 hours	31.8	41	31.4	32.5	35
Wind Speed (kmph)	5.8	6.5	7.1	4	1.6
Wind Direction	248.2	273.2	284.8	275.2	296.6

Maddur					
Parameter	16.04.2025	17.04.2025	18.04.2025	19.04.2025	20.04.2025
Rainfall (mm)	2	2.4	0.6	1.1	1.3
Max. temp (°C)	34.6	32.7	35	35.2	35.1
Min.Temp (°C)	23.2	22.7	22.4	23.1	23.2
Sky condition (Octas)	3	4	4	2	4
Relative humidity (%) 0830 hours	76.8	79.3	80.8	77.1	75
Relative humidity (%) 1730 hours	31.6	40	31.7	27.5	32.1
Wind Speed (kmph)	7.4	7.2	6.2	4.6	3.9
Wind Direction	240.9	233.1	263.3	251.6	236.3

Malvalli					
Parameter	16.04.2025	17.04.2025	18.04.2025	19.04.2025	20.04.2025
Rainfall (mm)	2.1	2.7	0.6	1.3	2.4
Max. temp (°C)	34.7	32.5	34.6	34.6	35.2
Min.Temp (°C)	23.2	22.9	22.6	23.4	23.5
Sky condition (Octas)	4	4	3	2	3
Relative humidity (%) 0830 hours	77.5	79.6	79.5	75.7	73
Relative humidity (%) 1730 hours	32.3	39.9	31.2	27.6	30.2
Wind Speed (kmph)	7.2	7.2	6.3	5.2	3.9
Wind Direction	252.5	233.1	256.8	245.2	236.3

Mandya					
Parameter	16.04.2025	17.04.2025	18.04.2025	19.04.2025	20.04.2025
Rainfall (mm)	2.2	3.8	0.7	2	2.4
Max. temp (°C)	34	31.7	34.2	34.6	34.5
Min.Temp (°C)	22.7	22.2	21.9	22.4	22.5
Sky condition (Octas)	4	5	4	3	4
Relative humidity (%) 0830 hours	78	78.7	81.9	80.1	77.2
Relative humidity (%) 1730 hours	31.6	40.5	31.2	27.5	31.4
Wind Speed (kmph)	7.4	7.6	7.2	4.5	3.4
Wind Direction	240.9	250.7	0	256	251.6

Nagamangala					
Parameter	16.04.2025	17.04.2025	18.04.2025	19.04.2025	20.04.2025
Rainfall (mm)	2.6	2.5	1	5.1	1.5
Max. temp (°C)	33	31.1	33.7	33.4	33.6
Min.Temp (°C)	22.2	21.8	21.8	22.4	22.2
Sky condition (Octas)	4	5	3	3	5
Relative humidity (%) 0830 hours	74.6	77	80	75.6	74.5
Relative humidity (%) 1730 hours	35	43.8	32.6	32.4	38.2
Wind Speed (kmph)	6.4	7.6	7	3.4	2.5
Wind Direction	243.4	264.6	281.9	251.6	0

Pandavapura					
Parameter	16.04.2025	17.04.2025	18.04.2025	19.04.2025	20.04.2025
Rainfall (mm)	2.6	3.9	1.3	1.9	2.4
Max. temp (°C)	33.2	31.4	33.9	34.2	34.2
Min.Temp (°C)	22.4	21.9	21.8	22.2	22.2
Sky condition (Octas)	4	5	4	3	4
Relative humidity (%) 0830 hours	76.7	78.3	83.2	81.5	77.6
Relative humidity (%) 1730 hours	32.4	39.1	31.7	28.9	34.4
Wind Speed (kmph)	7.6	7.5	7.6	4.5	3.3
Wind Direction	244.6	253.3	275.4	256	263.7

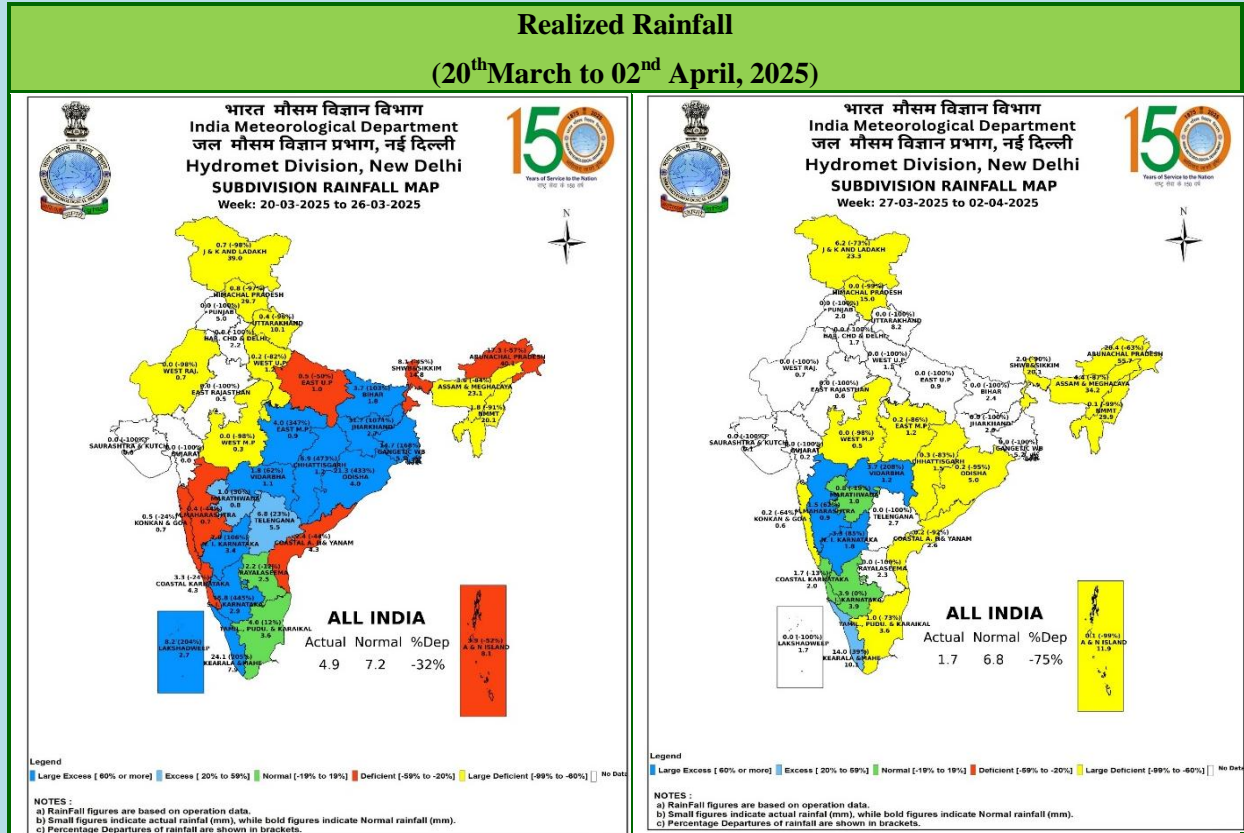
Shrirangapattana					
Parameter	16.04.2025	17.04.2025	18.04.2025	19.04.2025	20.04.2025
Rainfall (mm)	2.9	4.7	1.3	2.3	2.3
Max. temp (°C)	33.4	31.6	34	34.1	34.5
Min.Temp (°C)	22.7	22.4	21.9	22.7	22.7
Sky condition (Octas)	4	5	4	4	4
Relative humidity (%) 0830 hours	77.6	79.5	82.7	79.8	74.7
Relative humidity (%) 1730 hours	33.9	41.4	31.1	28.9	34
Wind Speed (kmph)	7.9	7.1	7.9	4.8	4
Wind Direction	254	246	272.6	243.4	259.7

- 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.

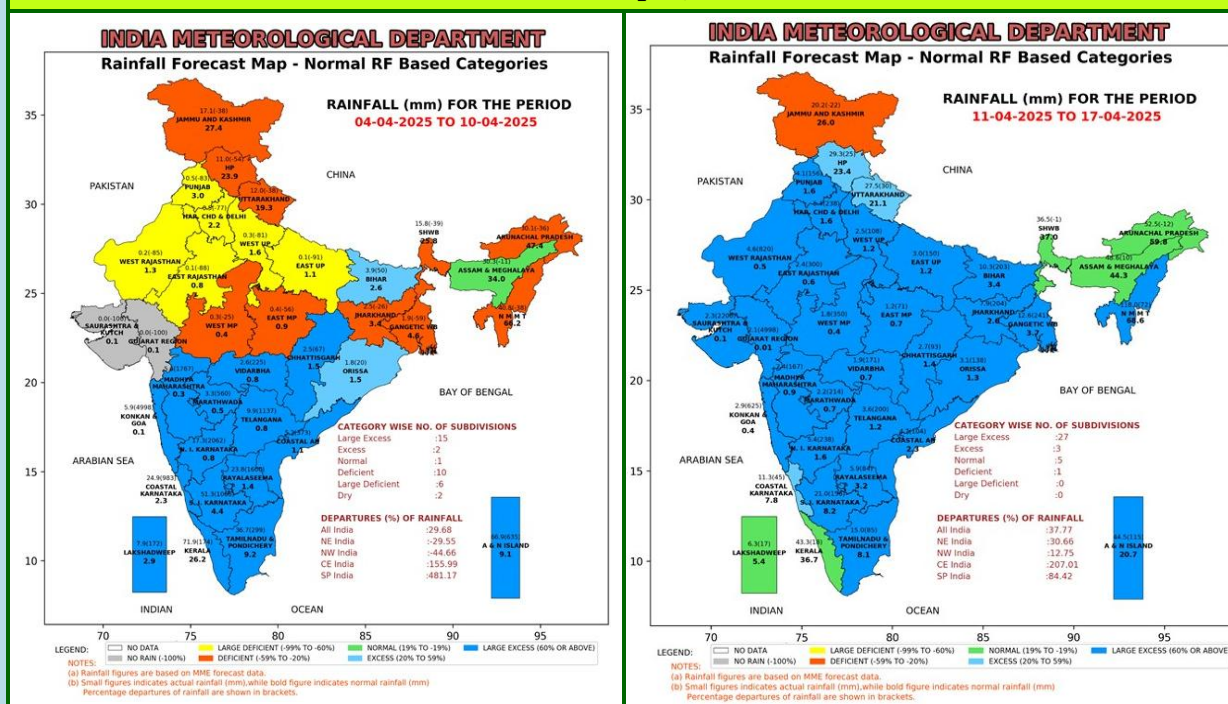
AMFU of IMD, Naganahalli, Mysuru

वास्तविक वर्षा तथा विस्तारित अवधि पूर्वानुमान
Realized Rainfall and Extended Range Forecast
(वर्षा और तापमान)
(Rainfall and Temperature)



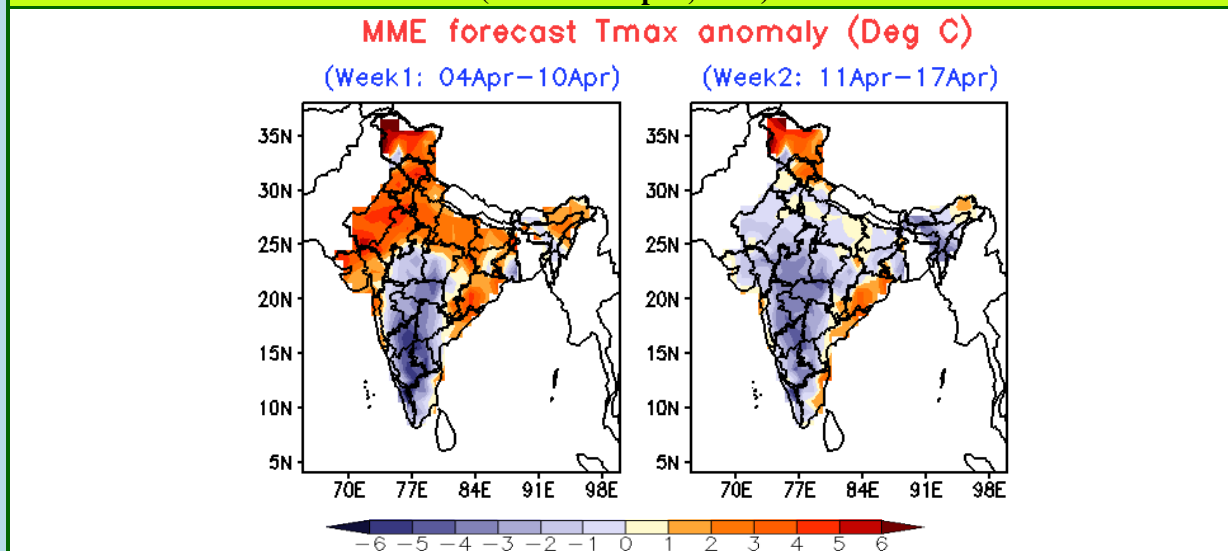
Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC- 02nd April,2025) (04th to 17th April, 2025)



- Week1(04.04.2025 to 10.04.2025):** Rainfall is likely to be above normal over Kerala, Tamil Nadu, Karnataka, Telangana and Rayalaseema. Rainfall activity is also likely over North East India, Jammu & Kashmir, Himachal Pradesh, Uttarakhand and some parts of Maharashtra.
- Week 2 (11.04.2025 to 17.04.2025):** Rainfall is likely to be above normal over South Karnataka and some parts of North East India, Kerala and Tamil Nadu. Rainfall activity is also likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Bihar, Gangetic West Bengal, some parts of Punjab and Jharkhand.

Maximum and Minimum temperature anomaly ($^{\circ}$ C) forecast for the next 2 weeks (IC- 02nd April,2025) (04th to 17th April, 2025)



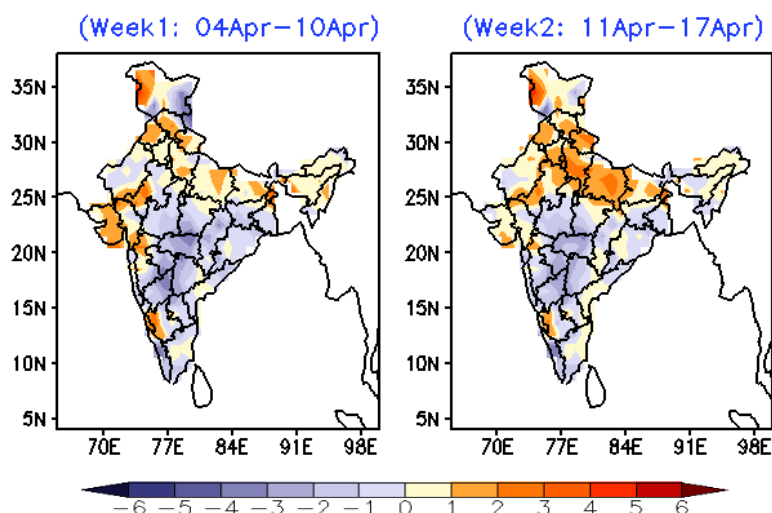
Maximum Temperature (Tmax)

- Week 1 (04.04.2025 to 10.04.2025):** Maximum temperature is likely to be above normal

over North West India, East India, many parts of North East India, Gujarat, Konkan-Goa and some parts of Chhattisgarh. However, it is likely to be below normal over South India, many parts of Central and West India.

- **Week 2 (11.04.2025 to 17.04.2025):** Maximum temperature is likely to be below normal over most parts of country except Jammu & Kashmir, Himachal Pradesh, Odisha, Coastal Andhra Pradesh and coastal regions of Tamil Nadu where it is likely to be above normal.

MME forecast Tmin anomaly (Deg C)



Minimum Temperature (Tmin)

- **Week 1 (04.04.2025 to 10.04.2025):** Minimum temperature is likely to be below normal over many parts of Central India, East India and South India. However, it is likely to be above normal over many parts of North West India, North East India, Bihar, Gujarat, Madhya Maharashtra and Karnataka.
- **Week 2 (11.04.2025 to 17.04.2025):** Minimum temperature is likely to be below normal over many parts of Central India, East India and South India. However, it is likely to be above normal over North West India & Bihar and parts of North East India, Gujarat and Karnataka.