

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



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



Date:21-03-2025

AGRO-ADVISORY BULLETIN FOR MYSURU DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	18.03.2025	19.03.2025	20.03.2025	21.03.2025
Rainfall (mm)	0	0	0	0
Max. Temp. (°C)	32.6	32.1	34.7	34.3
Min. Temp. (°C)	18.6	19.8	20.7	20.9
Sky condition (Octas)	-	-	-	-
Relative humidity (%) 0830 hours	100	99	100	98
Relative humidity (%) 1730 hours	-	-	-	-
Wind Speed (km/h)	-	-	-	-
Wind Direction	-	-	-	-

Weather forecast for the next five days (From 22-03-2025 to 26-03-2025)

Parameter	22.03.2025	23.03.2025	24.03.2025	25.03.2025	26.03.2025
Rainfall (mm)	2	3	3	0	2
Max. temp (°C)	34	33	33	33	33
Min.Temp (°C)	21	21	21	21	21
Sky condition (Octas)	4	4	5	4	4
Relative humidity (%) 0830 hours	82	84	86	87	86
Relative humidity (%) 1730 hours	29	36	37	36	32
Wind Speed (kmph)	8	14	14	10	10
Wind Direction	90	188	189	248	229

Forecast Summary

As forecast received from IMD, partially cloudy sky with **light rainfall** may be expected from **22.03.2025 to 26.03.2025** in Mysuru district. The day temperature is expected to be 33-34°C & night temperature is expected 21°C. The relative humidity in the morning hours is expected to be 82-87% & afternoon relative humidity is expected to be in the range of 29-37% Wind speed expected to be 8-14 km/hr.

SMS Advisory

A forecasted temperature for the next five days is 35°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. Very light rainfall aids in minimizing heat-related damage for crops.

Recommendations to the farmers:-

Crop	Pest/Disease	Damage symptoms	Control measures
General Advisory:			
• Light rainfall prevents soil moisture loss, despite providing irrigation at proper intervals is essential to avoid water stress. • Mulching with organic materials (leaves, straw, dried grass) is advised to retain soil moisture and reduce evaporation. • Drip and sprinkler irrigation are recommended for efficient water management. • Pest and Disease Monitoring: The dry weather can increase thrips, mites, aphids, and borers; regular scouting and preventive control measures should be taken. • Shade Management in plantation crops like coffee and cardamom is necessary to protect plants from direct sunlight and water stress.			

Weather based advisory

Crop	Stage	Advisory
Paddy	Nursery to transplanting	Frequent light irrigation is necessary to maintain moisture. Use alternate wetting and drying irrigation to optimize water use. Provide shade to nursery beds to reduce heat stress.
Maize	Vegetative stage	Apply irrigation at regular intervals to prevent moisture stress. Mulching with crop residues will help in conserving soil moisture. Avoid heavy irrigation to prevent waterlogging.
Tomato	Vegetative stage	High temperature can lead to flower drop. Apply light irrigation during early morning or evening hours. Mulching is recommended to maintain soil moisture.
Cabbage, Cauliflower	Harvesting stage	Harvest crops early in the morning to avoid heat stress. Store harvested produce in a cool and shaded area to maintain freshness.
Bean, Field Bean	Harvesting stage	Complete harvesting before peak temperatures to maintain quality. Sun-dry harvested produce properly to avoid fungal infection due to humidity changes.
Chilli	Fruit formation stage	High temperatures can cause fruit drop. Maintain proper irrigation and mulch around plants to reduce soil temperature and moisture loss. Provide shade nets if required.
Banana	Fruit development stage	Frequent light irrigation is needed to prevent fruit shrinkage. Apply organic mulches to retain soil moisture. Provide support to prevent plant lodging due to heat stress.
Vegetable crops	Various stages	Ensure adequate irrigation. Use mulching to reduce soil temperature. Monitor crops for pests such as mites and thrips, which increase under high temperatures.

Livestock, Poultry, and Sericulture Advisory (Very light 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	
➤ 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	• 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	For late blight of tomato 15 days prior to transplanting Trichoderma and Pseudomonas enriched compost may be incorporated to the soil. 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. 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.
Red gram Sterility mosaic	Pod initiation stage	Pull out the infested plants and destroy. 20 - 25, 40 - 45 days after sowing spray 2.5 ml. Dicofol 18.5 EC./lit. water. ICP 7035 sterility mosaic resistant red gram variety.
Banana Leaf spot (Cigatoka)	Fruit development	In endemic areas grow resistant banana variety - Sakkare bale. At the time of planting the rhizomes may treated with any one of the Fungicides /lit. water a)Propiconazole 25 EC.- 1.0 ml. b)Theiophenate methyl 70 Wdiv.- 1.0 g. c)Carbendazim 50 Wdiv.- 1.0 g. d)Metham Sodium (Vapom) - 1.0 g. In Mashy area provide drainage.
Field bean pod borer	Pod development	Dust 10 kg. Fenvalrate 0.4 D. OR Malathion 5 D. per acre during morning hours.

Block level weather forecast (From 22-03-2025 to 26-03-2025)**H.D. Kote**

Parameter	22.03.2025	23.03.2025	24.03.2025	25.03.2025	26.03.2025
Rainfall (mm)	0.4	2.2	4.2	0	1.2
Max. temp (°C)	34	33.2	31.9	33.8	34
Min.Temp (°C)	21.8	21.5	21.5	21.7	21.7
Sky condition (Octas)	2	3	2	1	2
Relative humidity (%) 0830 hours	86.1	81.6	80.8	79.6	77.1
Relative humidity (%) 1730 hours	32.3	38.9	37.8	33.1	31.5
Wind Speed (kmph)	1.5	2.8	2.3	1.6	3.6
Wind Direction	194	219.8	251.6	206.5	225

Hunsuru

Parameter	22.03.2025	23.03.2025	24.03.2025	25.03.2025	26.03.2025
Rainfall (mm)	0.4	2.7	3.6	0	1.2
Max. temp (°C)	33	32.1	31.7	33.4	33.6
Min.Temp (°C)	21.5	21.4	21.5	21.7	21.6
Sky condition (Octas)	4	2	2	1	4
Relative humidity (%) 0830 hours	86.1	80	78.1	76.1	74
Relative humidity (%) 1730 hours	31.9	39.3	36.2	31.7	30.5
Wind Speed (kmph)	2.3	2.5	1.8	2.3	3.6
Wind Direction	218.6	225	160	251.6	233.1

K.R. Nagara

Parameter	22.03.2025	23.03.2025	24.03.2025	25.03.2025	26.03.2025
Rainfall (mm)	0.2	2.9	2.9	0	1.9
Max. temp (°C)	33.1	32.4	31.8	33.5	33.5
Min.Temp (°C)	21.6	21.2	21.6	21.8	21.6
Sky condition (Octas)	3	2	2	1	4
Relative humidity (%) 0830 hours	85.9	80.5	78.8	77.4	74
Relative humidity (%) 1730 hours	32	38.9	35.8	31.1	31.2
Wind Speed (kmph)	2.1	2.6	2.2	1.8	3.6

Wind Direction	210.9	213.7	260.5	258.7	225
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Mysuru					
Parameter	22.03.2025	23.03.2025	24.03.2025	25.03.2025	26.03.2025
Rainfall (mm)	0.2	6.1	5.7	0	2.4
Max. temp (°C)	33.5	32.7	32.1	33.6	33.7
Min.Temp (°C)	22.2	22.1	22.2	22.5	22.6
Sky condition (Octas)	3	3	2	2	4
Relative humidity (%) 0830 hours	81.7	78.6	73.9	74.5	73.5
Relative humidity (%) 1730 hours	32.6	39.2	37.3	34.3	32.3
Wind Speed (kmph)	3.6	3.3	2.1	3.1	3.8
Wind Direction	185.7	192.5	210.9	200.5	221.2

Nanjanagudu					
Parameter	22.03.2025	23.03.2025	24.03.2025	25.03.2025	26.03.2025
Rainfall (mm)	0.1	4.7	3.8	0	0.4
Max. temp (°C)	33.9	33.4	32.4	33.9	34.2
Min.Temp (°C)	22.2	22.2	22.2	22.2	22.9
Sky condition (Octas)	3	3	3	2	3
Relative humidity (%) 0830 hours	77.5	78	72.6	69.8	70.9
Relative humidity (%) 1730 hours	32.4	35.7	35.2	32	30
Wind Speed (kmph)	4.5	4	3.9	4.3	3.9
Wind Direction	166	169.7	158.2	90	213.7

Piriapatna					
Parameter	22.03.2025	23.03.2025	24.03.2025	25.03.2025	26.03.2025
Rainfall (mm)	1.1	3.2	4.5	0	1.7
Max. temp (°C)	32.9	31.6	30.9	32.4	32.2
Min.Temp (°C)	20.6	20.5	20.4	20.5	20.2
Sky condition (Octas)	2	2	2	1	2
Relative humidity (%) 0830 hours	89.5	85.5	84.8	81.9	81.5
Relative humidity (%) 1730 hours	30.4	41.3	40.7	35	36.5
Wind Speed (kmph)	1.8	2.3	1.9	1.8	2.6

Wind Direction	258.7	251.6	291.8	281.3	254
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T. Narasipura					
Parameter	22.03.2025	23.03.2025	24.03.2025	25.03.2025	26.03.2025
Rainfall (mm)	0	3.3	4	0	3
Max. temp (°C)	34.1	33.2	32.7	34.1	34.4
Min.Temp (°C)	22.2	22.2	22.2	22.6	23.2
Sky condition (Octas)	2	3	2	2	3
Relative humidity (%) 0830 hours	76.3	76.4	74.8	70.7	70.7
Relative humidity (%) 1730 hours	33.8	37.5	34.3	30	28.7
Wind Speed (kmph)	4.7	4.7	3.3	4.7	4.2
Wind Direction	175.6	171.3	167.5	90	199.9

- 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

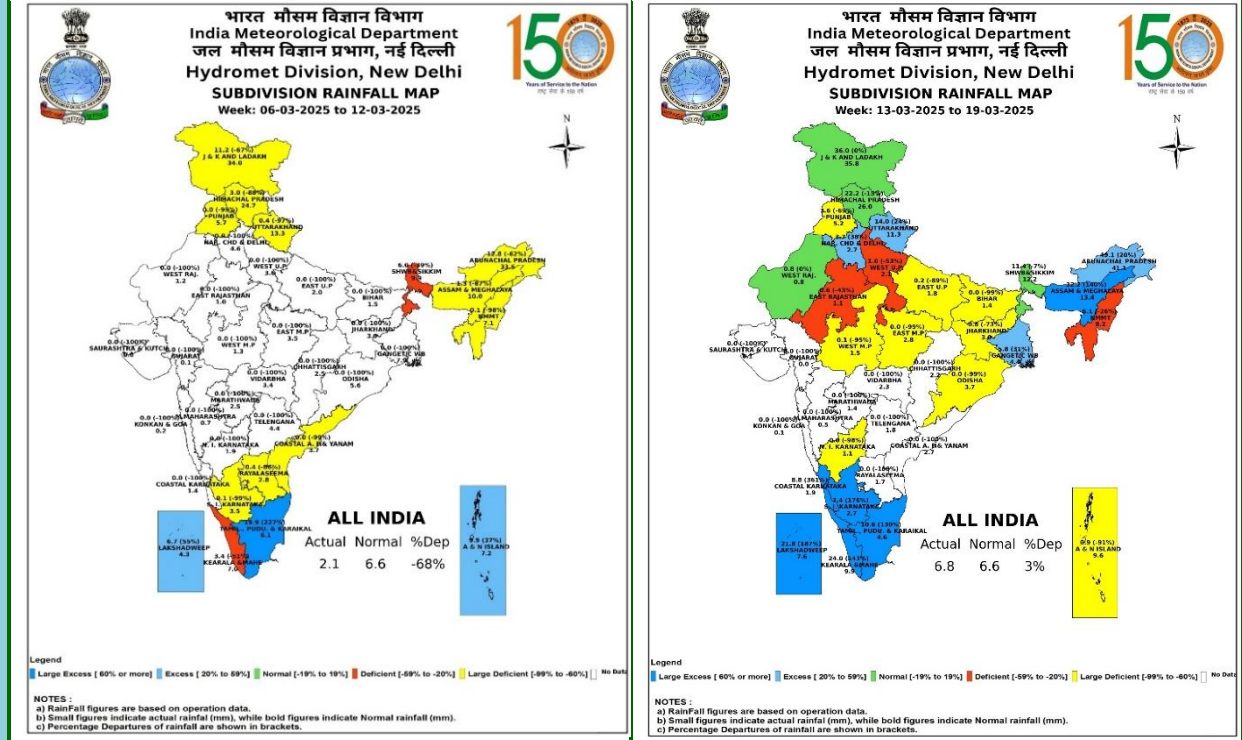
For any information farmers can contact **Dr.C.Ramachandra**, Senior Farm Superintendent/ **Dr. Sumanth Kumar.G.V**, Technical officer over phone No.0821-259126/ 9535345814.

**AMFU of IMD,
Naganahalli, Mysuru**

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

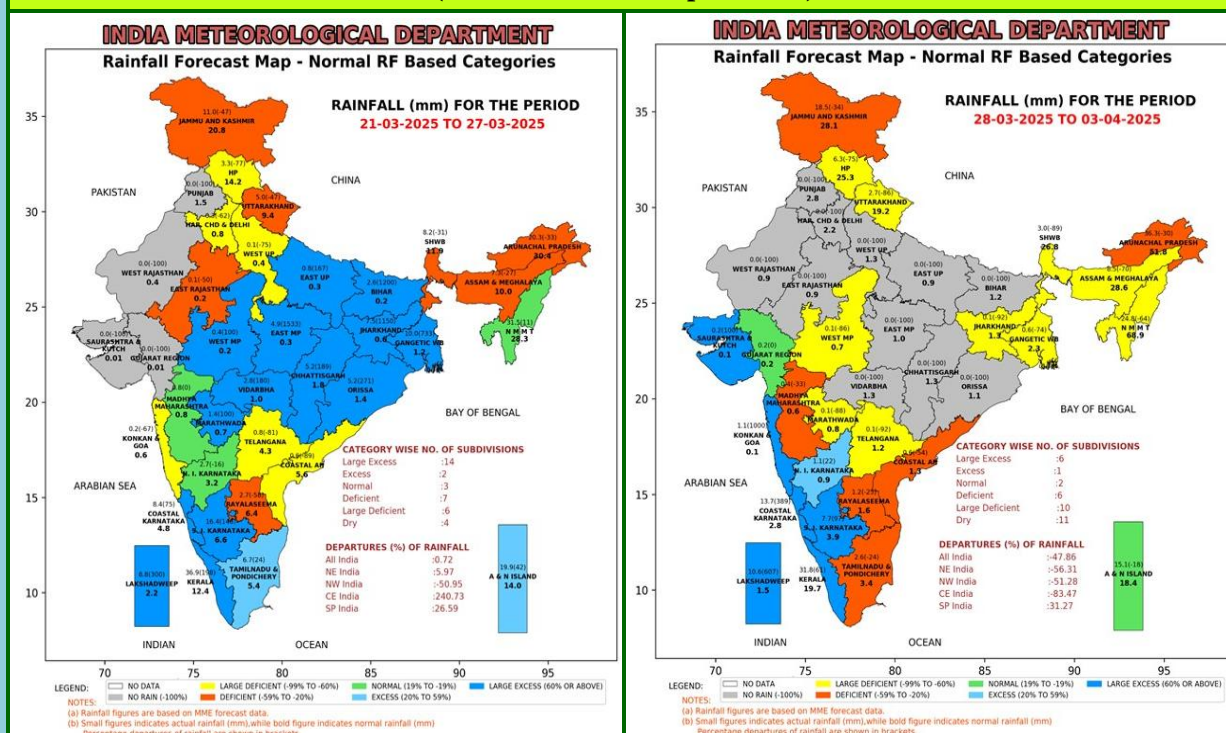
Realized Rainfall

(06th to 19th March, 2025)



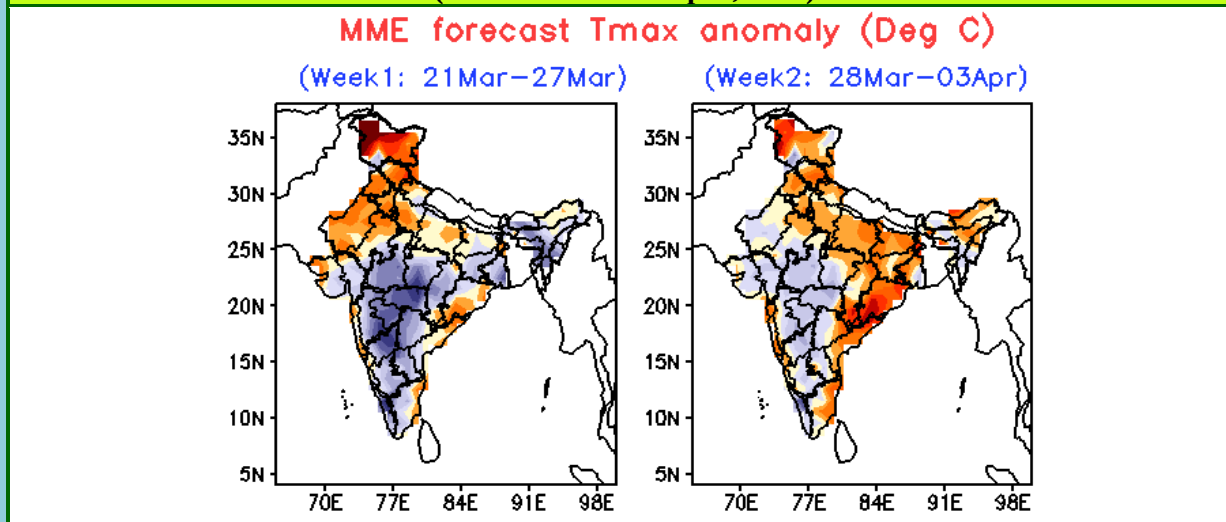
Extended Range Forecast System

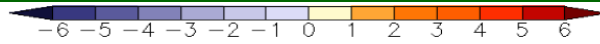
Rainfall forecast maps for the next 2 weeks (IC- 19th March, 2025) (21st March to 03rd April, 2025)



- Week 1 (21.03.2025 to 27.03.2025):** Rainfall is likely to be above normal over Kerala, Karnataka, Gangetic West Bengal and Jharkhand. Rainfall activity is also likely over many parts of East and North East India, Jammu & Kashmir, Himachal Pradesh, some parts of Tamil Nadu and Chhattisgarh.
- Week 2 (28.03.2025 to 03.04.2025):** Rainfall is likely to be above normal over Kerala and Karnataka. Rainfall activity is also likely over North East India, Jammu & Kashmir and Himachal Pradesh.

Maximum and Minimum temperature anomaly ($^{\circ}$ C) forecast for the next 2 weeks (IC- 19th March, 2025) (21st March to 03rd April, 2025)





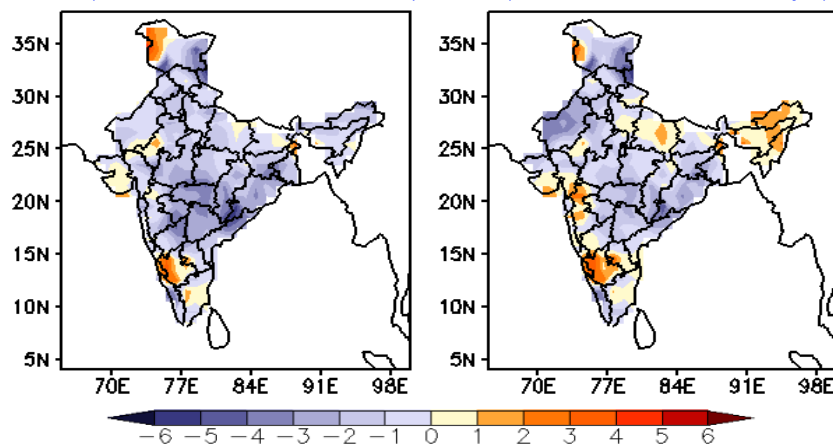
Maximum Temperature (Tmax)

- **Week 1 (21.03.2025 to 27.03.2025):** Maximum temperature is likely to be above normal over North West India, Konkan-Goa, Odisha, coastal regions of Coastal Andhra Pradesh and Tamil Nadu. However, it is likely to be below normal over Central India, many parts of West India and South India.
- **Week 2 (28.03.2025 to 03.04.2025):** Maximum temperature is likely to be above normal over North West India, East India, North East India, Konkan-Goa, Chhattisgarh, Coastal Andhra Pradesh and Tamil Nadu. However, it is likely to be below normal over many parts of Central India and parts of South India.

MME forecast Tmin anomaly (Deg C)

(Week1: 21Mar–27Mar)

(Week2: 28Mar–03Apr)



Minimum Temperature (Tmin)

- **Week 1 (21.03.2025 to 27.03.2025):** Minimum temperature is likely to be below normal over most parts of the country and below normal over parts of Karnataka.
- **Week 2 (28.03.2025 to 03.04.2025):** Minimum temperature is likely to be below normal over many parts of the country. However, it is likely to be above normal over North East India and parts of East Uttar Pradesh, Madhya Maharashtra, Karnataka and Gujarat.