

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



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



Date: 07-02-2025

AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

| Parameter | 04.02.2025 | 05.02.2025 | 06.02.2025 | 07.02.2025 |
|---|-------------------|-------------------|-------------------|-------------------|
| Rainfall (mm) | 0 | 0 | 0 | 0 |
| Max. Temp. (°C) | 34.1 | 34.8 | 34.4 | 34.3 |
| Min. Temp. (°C) | 12.6 | 12.6 | 12 | 11.7 |
| Sky condition (Octas) | - | - | - | - |
| Relative humidity (%) 0830 hours | 87 | 82 | 77 | 84 |
| Relative humidity (%) 1730 hours | - | 24 | 33 | 29 |
| Wind Speed (km/h) | - | - | - | - |
| Wind Direction | - | - | - | - |

Weather forecast for the next five days (From 08-02-2025 to 12-02-2025)

| Parameter | 08.02.2025 | 09.02.2025 | 10.02.2025 | 11.02.2025 | 12.02.2025 |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max. Temp. (°C) | 33 | 33 | 33 | 33 | 33 |
| Min. Temp. (°C) | 13 | 13 | 14 | 14 | 14 |
| Sky condition (Octas) | 1 | 2 | 1 | 2 | 1 |
| Relative humidity (%) 0830 hours | 69 | 60 | 65 | 65 | 62 |
| Relative humidity (%) 1730 hours | 43 | 41 | 45 | 46 | 42 |
| Wind Speed (kmph) | 6 | 6 | 6 | 5 | 5 |
| Wind Direction | 131 | 131 | 119 | 129 | 135 |

Forecast Summary

As forecast received from IMD, partially cloudy sky with **no rainfall** may be expected from 08.02.2025 to 12.02.2025 in Chamarajanagara district. The day temperature is expected to be 33 °C & night temperature is expected 13-14°C. The relative humidity in the morning hours is expected to be 62% to 69% & afternoon relative humidity is expected to be in the range of 41-46 %. Wind speed expected to be 5-6 km/ hr.

SMS Advisory

Protect crops from cold stress, ensure proper ventilation for livestock, and maintain moisture in soil for vegetables. Avoid excess irrigation.

Recommendations to the farmers:-

| Crop | Pest/Disease | Damage symptoms | Control measures |
|--|--------------|-----------------|------------------|
| General Advisory: | | | |
| <ul style="list-style-type: none"> • No rainfall for the next 5 days will increase soil moisture loss, so 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 | Harvest stage | No rainfall; harvest mature paddy crops, ensure proper drying to 12-14% moisture before storage. Protect harvested grains from stored pests. |
| Maize | Vegetative stage | No rainfall; irrigate flowering crops to avoid moisture stress. Harvest mature cobs and dry them properly to maintain quality. |
| Tomato | Vegetative stage | No rainfall; provide irrigation at regular intervals. Mulching can help retain soil moisture and reduce temperature stress. |
| Cabbage, Cauliflower | Head formation stage | No rainfall; maintain moisture in the root zone through irrigation. Protect against aphids and diamondback moths due to dry conditions. |
| Bean, Field Bean | Pod formation stage | No rainfall; provide supplemental irrigation to avoid pod shrinkage. Mulching is recommended to retain soil moisture. |
| Chilli | Vegetative stage | No rainfall; irrigate regularly, especially for fruit development. Monitor for thrips and mites which increase in dry conditions. |
| Banana | Fruit development stage | No rainfall; irrigate at least twice a week. Use organic mulches to maintain soil moisture. Provide mechanical support to prevent lodging due to dry winds. |
| Vegetable crops | Various stages | No rainfall; apply light irrigation based on crop needs. Regularly check for pest outbreaks due to dry weather conditions. Use organic mulches for moisture conservation. |

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., *Trichoderma*, *Pseudomonas*) 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.

Livestock specific advisory

| Category | Advisory |
|----------|----------|
|----------|----------|

| | |
|------------------|--|
| Livestock | Provide dry bedding, avoid exposure to morning cold, and ensure good ventilation in sheds. Offer slightly warm drinking water during mornings and evenings. Maintain cleanliness, use fly traps or repellents. Monitor for respiratory issues; increase energy-rich feed. |
| Poultry | Cover sheds at night, provide warm drinking water, and use brooders for chicks. Ensure good air circulation but block cold drafts. Add energy supplements (e.g., maize) to feed. Remove litter regularly and use approved fly traps or sprays. |

| Recommendation to farmers | | |
|---|---------------------|---|
| Crop specific advisory: | | |
| Crop | Stage | Advisory |
| Maize fall army worm | Vegetative 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 | Vegetative 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. |
| 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. |
| 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. 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.</p> |

| | | |
|------------------------------------|-------------------|---|
| | | 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. |
| 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 08-02-2025 to 12-02-2025)

Chamarajanagara

| Parameter | 08.02.2025 | 09.02.2025 | 10.02.2025 | 11.02.2025 | 12.02.2025 |
|---|------------|------------|------------|------------|------------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max. temp (°C) | 30.6 | 30.7 | 30.5 | 30.6 | 31.8 |
| Min.Temp (°C) | 15.4 | 15.7 | 16 | 15.5 | 15.4 |
| Sky condition (Octas) | 1 | 1 | 1 | 2 | 1 |
| Relative humidity (%) 0830 hours | 83.3 | 84.4 | 91.8 | 88.7 | 83.9 |
| Relative humidity (%) 1730 hours | 26.9 | 31.2 | 34.9 | 34.9 | 31.6 |
| Wind Speed (kmph) | 7.6 | 5.9 | 6.6 | 7.4 | 6.4 |
| Wind Direction | 135 | 127.6 | 130.6 | 133 | 128.2 |

Gundlupete

| Parameter | 08.02.2025 | 09.02.2025 | 10.02.2025 | 11.02.2025 | 12.02.2025 |
|---|------------|------------|------------|------------|------------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max. temp (°C) | 30.2 | 30.4 | 30.4 | 30.5 | 31.6 |
| Min.Temp (°C) | 15.7 | 15.9 | 16.4 | 15.6 | 15.1 |
| Sky condition (Octas) | 1 | 1 | 1 | 2 | 1 |
| Relative humidity (%) 0830 hours | 72.4 | 83.1 | 85.1 | 84.4 | 81.8 |
| Relative humidity (%) 1730 hours | 25.6 | 29.3 | 35.4 | 36.2 | 33.9 |
| Wind Speed (kmph) | 6.6 | 5.6 | 6.9 | 5.9 | 5.2 |
| Wind Direction | 139.4 | 129.8 | 128.7 | 137.5 | 146.3 |

Kollegala

| Parameter | 08.02.2025 | 09.02.2025 | 10.02.2025 | 11.02.2025 | 12.02.2025 |
|----------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max. temp (°C) | 31.9 | 31.6 | 31.5 | 31.8 | 32.7 |
| Min.Temp (°C) | 15.9 | 16.1 | 16.6 | 15.8 | 15.4 |
| Sky condition (Octas) | 1 | 1 | 1 | 2 | 1 |
| Relative humidity (%) 0830 hours | 68.1 | 78.7 | 82.3 | 83.7 | 77.7 |
| Relative humidity (%) 1730 hours | 22.9 | 27.2 | 29.4 | 30.4 | 26.1 |
| Wind Speed (kmph) | 4.1 | 3.6 | 4.1 | 4 | 3.9 |
| Wind Direction | 127.9 | 95.7 | 105.3 | 116.6 | 123.7 |

Yelandur

| Parameter | 08.02.2025 | 09.02.2025 | 10.02.2025 | 11.02.2025 | 12.02.2025 |
|----------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max. temp (°C) | 31.8 | 31.4 | 31.2 | 31.5 | 32.5 |
| Min.Temp (°C) | 15.7 | 16 | 16.4 | 15.7 | 15.2 |
| Sky condition (Octas) | 1 | 1 | 1 | 2 | 1 |
| Relative humidity (%) 0830 hours | 72.5 | 81.1 | 85 | 85.1 | 80.3 |
| Relative humidity (%) 1730 hours | 24.7 | 29.1 | 30.7 | 31.2 | 28.6 |
| Wind Speed (kmph) | 4.3 | 3.3 | 4 | 4.4 | 4.1 |
| Wind Direction | 131.7 | 102.5 | 116.6 | 125 | 127.9 |

Hanur

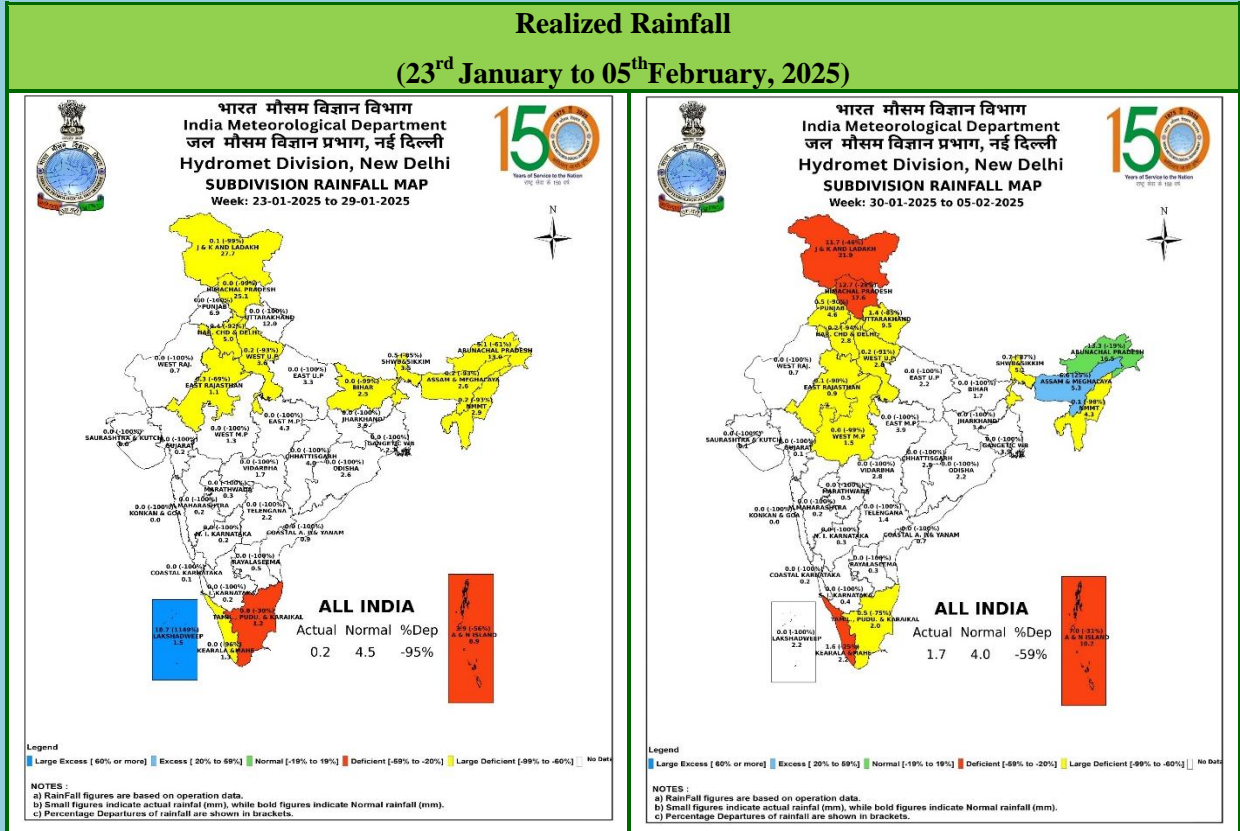
| Parameter | 08.02.2025 | 09.02.2025 | 10.02.2025 | 11.02.2025 | 12.02.2025 |
|----------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max. temp (°C) | 30.1 | 29.7 | 29.8 | 30 | 31 |
| Min.Temp (°C) | 15.6 | 16 | 16.2 | 15.4 | 15.2 |
| Sky condition (Octas) | 1 | 1 | 1 | 2 | 1 |
| Relative humidity (%) 0830 hours | 73.9 | 82.2 | 85.6 | 86.3 | 81.5 |
| Relative humidity (%) 1730 hours | 25.6 | 30.6 | 31.3 | 31.6 | 27.9 |
| Wind Speed (kmph) | 5.2 | 4.3 | 4.1 | 4.3 | 3.7 |
| Wind Direction | 146.3 | 131.7 | 127.9 | 138.4 | 151 |

- 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.

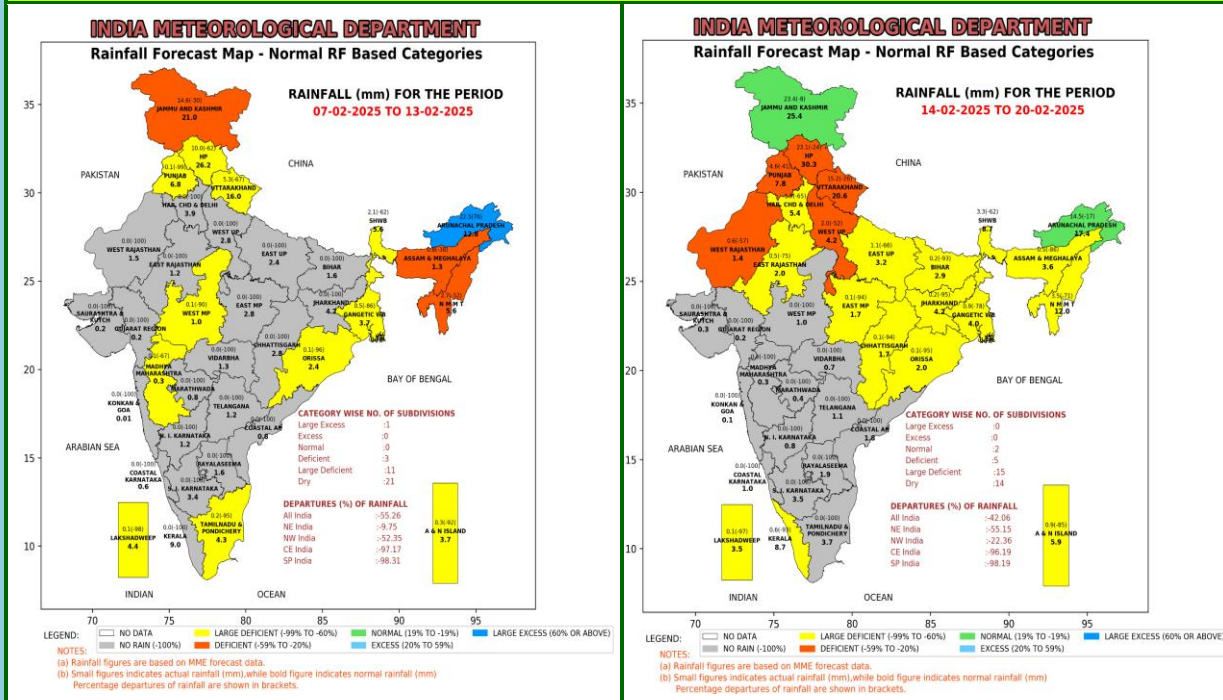
AMFU of IMD,
Naganahalli, Mysuru

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



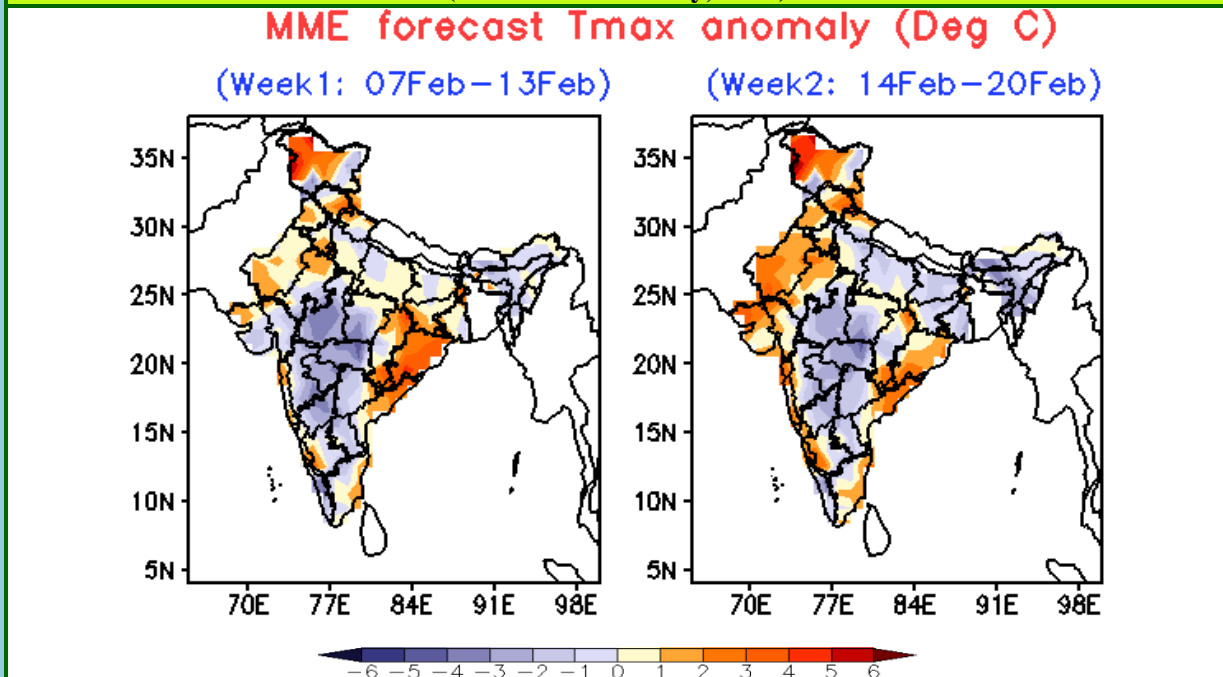
Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC- 05thFebruary,2025) (07thto 20thFebruary, 2025)



- **Week1(07.02.2025 to 13.02.2025):**Rainfall is likely to be above normal over Arunachal Pradesh.Rainfall activity is also likely over Jammu & Kashmir and Himachal Pradesh.
- **Week 2 (14.02.2025 to 20.02.2025):**Rainfall is likely to be normal overJammu & Kashmir and Arunachal Pradesh. Rainfall activity is also likely over Himachal Pradesh and Uttarakhand.

Maximum and Minimum temperature anomaly (°C) forecast for the next 2 weeks (IC- 05thFebruary,2025) (07thto 20th February, 2025)



Maximum Temperature (Tmax)

- **Week 1 (07.02.2025 to 13.02.2025):**Maximum temperature is likely to be below normal over many parts of Central, West & South India and some parts in Uttar Pradesh &

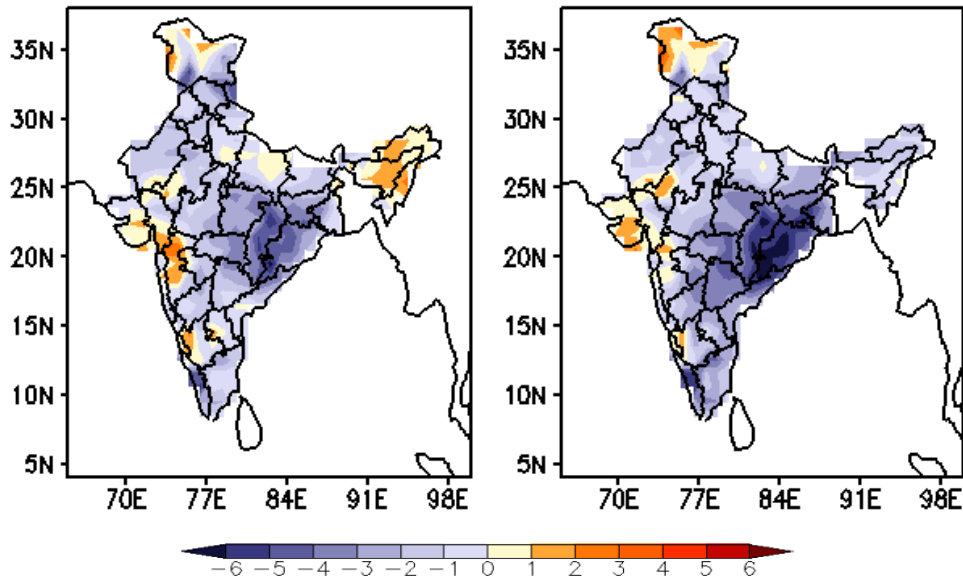
Northeast India. However, it is likely to be above normal over East India, many parts of Northwest India, Chhattisgarh and parts of South India.

- **Week 2 (14.02.2025 to 20.02.2025):**Maximum temperature is likely to be below normal over Central India, many parts of South India, some parts of Northeast India, Maharashtra, and Uttar Pradesh. However, it is likely to be above normal over many parts of Northwest India, South India, Gujarat, Odisha, Konkan & Goa and parts of Chhattisgarh.

MME forecast Tmin anomaly (Deg C)

(Week1: 07Feb-13Feb)

(Week2: 14Feb-20Feb)



Minimum Temperature (Tmin)

- **Week 1 (07.02.2025 to 13.02.2025):**Minimum temperature is likely to be below normal over most parts of the country. However, it is likely to be above normal over North East India and some parts of Gujarat, Maharashtra & Karnataka.
- **Week 2 (14.02.2025 to 20.02.2025):** Minimum temperature is likely to be below normal over most parts of the country except Gujarat, some parts of Jammu & Kashmir, Rajasthan, Madhya Pradesh, Maharashtra and Karnataka.