

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



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



Date:23-05-2025

AGRO-ADVISORY BULLETIN FOR MANDYA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

| Parameter | 20.05.2025 | 21.05.2025 | 22.05.2025 | 23.05.2025 |
|---|-------------------|-------------------|-------------------|-------------------|
| Rainfall (mm) | 24 | 17 | 0 | 0 |
| Max. Temp. (°C) | 31.6 | 31.6 | 28.2 | 30 |
| Min. Temp. (°C) | 23.2 | 22 | 21.3 | 20.6 |
| Sky condition (Octas) | 0 | 0 | 0 | 0 |
| Relative humidity (%) 0830 hours | 95 | 99 | 96 | 89 |
| Relative humidity (%) 1730 hours | 75 | 91 | 67 | 63 |
| Wind Speed (km/h) | 0 | 0 | 0 | 0 |
| Wind Direction | 0 | 0 | 0 | 0 |

Weather forecast for the next five days (From 24-05-2025 to 28-05-2025)

| Parameter | 24.05.2025 | 25.05.2025 | 26.05.2025 | 27.05.2025 | 28.05.2025 |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|
| Rainfall (mm) | 10 | 22 | 20 | 30 | 10 |
| Max. temp (°C) | 30 | 30 | 29 | 29 | 28 |
| Min.Temp (°C) | 21 | 21 | 21 | 20 | 20 |
| Sky condition (Octas) | 5 | 7 | 8 | 8 | 8 |
| Relative humidity (%) 0830 hours | 87 | 88 | 89 | 89 | 87 |
| Relative humidity (%) 1730 hours | 63 | 62 | 61 | 62 | 63 |
| Wind Speed (kmph) | 16 | 18 | 20 | 20 | 18 |
| Wind Direction | 241 | 243 | 243 | 250 | 253 |

Forecast Summary

As forecast received from IMD, cloudy sky with **Moderate to heavy rainfall** may be expected from **24.05.2025 to 28.05.2025** in Mandya district. The day temperature is expected to be 28-30°C & night temperature is expected to be 20-21°C. The relative humidity in the morning hours is expected to be 87-89% & afternoon relative humidity is expected to be in the range of 61-63 % Wind speed expected to be 16-20 km/ hr.

General Advisory:

- Ensure field drainage to avoid water stagnation due to expected rainfall.
- Spray fungicides to prevent fungal diseases favored by high humidity.
- Provide support to tall crops like banana and papaya against wind damage.
- Complete weeding/intercultivation during dry spells to retain soil moisture.
- Keep livestock shelters dry and ventilated; provide clean drinking water.

SMS Advisory:

Expect daily rain; delay irrigation, avoid pesticide spraying during rain, store fodder dry, and protect harvested produce.

Crops and Suitable Varieties for Sowing in May

| Crop Type | Crop Name | Recommended Varieties |
|------------------------------|--------------------------|---|
| Millets & Cereals | Ragi | Indaf-9, GPU-45, 23.2.0350-48 |
| | Maize (Shaktiman Maize) | CSV-4, CSH-5, CSH-9 |
| | Sweet Corn | Hema, Nityashree, MAH-14-5, MAH-14-138 |
| | Pop Corn | Amba |
| | Foxtail Millet (Navane) | SIA-326 |
| | Barnyard Millet (Haraka) | RBK-155, GPUK-3 |
| | Little Millet (Same) | CO-2, OLM-203 |
| | Proso Millet (Baragu) | GPUP-8, GPUP-21 |
| | Kodo Millet (Oodalu) | DHB M-93-3 |
| | Browntop Millet (Korale) | GPUBT-2 |
| Pulses | Red Gram | BRG-1, 2, 3, 4, 5, ICP-7035, TTB-7, Hyderabad-3C |
| | Green Gram | PS-16, Pusa Baisakhi, PDM-84-178, ..30-3 |
| | Black Gram | Karagaon-3, T-9, Rashmi (LBG-625), LBG-791 (Suraksha) |
| | Cowpea | TVX-944-02I, KBC-1, KBC-2, KM-9, KM-5, KC-8 (KBC-11), PGCP-6 |
| Oilseeds | Groundnut | GKVK-5, KCG-6 (Chintamani-6), GPBD-4, ICGV-91114, JL-24, TMV-2, GKVK-27 |
| | Soybean (Irrigated) | MAUS-2 (Pooja), Karune (vegetable type), KBS-23 |
| | Sesame | GT-1, Navile-1 (Tunga), TMV-3, T-7, GKVK S-1 |
| Horticultural | Fruits & Vegetables | Banana, Arecanut, Chilli, Turmeric, Potato, Ginger |
| Fodder Crops | Fodder Sorghum | JESET-3 |
| | Cowpea (Fodder) | MFC-09-01, MFC -08-14, MFC -09-03 |
| | Bajra-Napier Grass | PBN-342 |

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 |
| 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. |

| | | |
|---|---------------------|---|
| | | <ul style="list-style-type: none"> • 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. |
| Banana Leaf spot (sigatoka) | 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 24-05-2025 to 28-05-2025) | | | | | |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|
| Krishnarajpet | | | | | |
| Parameter | 24.05.2025 | 25.05.2025 | 26.05.2025 | 27.05.2025 | 28.05.2025 |
| Rainfall (mm) | 4.6 | 22.6 | 52.8 | 14.3 | 6.8 |
| Max. temp (°C) | 27.8 | 25.4 | 24.1 | 25.1 | 25.5 |
| Min.Temp (°C) | 21.8 | 22 | 21.8 | 21.5 | 21.4 |
| Sky condition (Octas) | 8 | 8 | 8 | 8 | 8 |
| Relative humidity (%) 0830 hours | 89.3 | 85.6 | 90 | 87.9 | 84.3 |
| Relative humidity (%) 1730 hours | 63.3 | 74.4 | 80.2 | 75.6 | 72.2 |
| Wind Speed (kmph) | 13.5 | 18.4 | 22.4 | 16.6 | 18.7 |
| Wind Direction | 226.1 | 231.3 | 233.5 | 252.3 | 247.4 |

Maddur

| Parameter | 24.05.2025 | 25.05.2025 | 26.05.2025 | 27.05.2025 | 28.05.2025 |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|
| Rainfall (mm) | 2.1 | 7.6 | 43.9 | 19.6 | 1.7 |
| Max. temp (°C) | 29.5 | 27.5 | 25.7 | 26.7 | 27.5 |
| Min.Temp (°C) | 22.5 | 23 | 22.8 | 22.6 | 22.4 |
| Sky condition (Octas) | 7 | 8 | 8 | 8 | 8 |
| Relative humidity (%) 0830 hours | 84.5 | 81.2 | 88.4 | 86.5 | 82 |
| Relative humidity (%) 1730 hours | 58.1 | 66.2 | 72.2 | 70.8 | 66.2 |
| Wind Speed (kmph) | 10 | 17.6 | 17.3 | 12.9 | 16.5 |
| Wind Direction | 229.4 | 235 | 228.3 | 243.4 | 249.6 |

Malvalli

| Parameter | 24.05.2025 | 25.05.2025 | 26.05.2025 | 27.05.2025 | 28.05.2025 |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|
| Rainfall (mm) | 0.5 | 3.7 | 79.8 | 21.7 | 1.5 |
| Max. temp (°C) | 30 | 28.5 | 25.8 | 26.2 | 26.6 |
| Min.Temp (°C) | 22.7 | 23.2 | 22.8 | 22.5 | 22.2 |
| Sky condition (Octas) | 7 | 8 | 8 | 8 | 8 |
| Relative humidity (%) 0830 hours | 81.7 | 79.7 | 88.3 | 87.6 | 83.6 |
| Relative humidity (%) 1730 hours | 55.8 | 61.3 | 70.7 | 73.6 | 70 |
| Wind Speed (kmph) | 11.3 | 18.2 | 19.9 | 16.1 | 19.3 |
| Wind Direction | 239.3 | 242.9 | 234.6 | 246.3 | 249.2 |

Mandya

| Parameter | 24.05.2025 | 25.05.2025 | 26.05.2025 | 27.05.2025 | 28.05.2025 |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|
| Rainfall (mm) | 0.8 | 9.9 | 57.2 | 16 | 3 |
| Max. temp (°C) | 28.7 | 26.6 | 24.8 | 26.4 | 26.2 |
| Min.Temp (°C) | 22.1 | 22.5 | 22.2 | 21.9 | 21.7 |
| Sky condition (Octas) | 7 | 8 | 8 | 8 | 8 |
| Relative humidity (%) 0830 hours | 86.8 | 83.2 | 90.1 | 88.2 | 83.7 |
| Relative humidity (%) 1730 hours | 60.9 | 69.3 | 76.7 | 71.8 | 69.7 |
| Wind Speed (kmph) | 12.8 | 18.8 | 19.9 | 13.2 | 18.3 |
| Wind Direction | 231.8 | 233.6 | 229.4 | 247.6 | 248 |

Nagamangala

| Parameter | 24.05.2025 | 25.05.2025 | 26.05.2025 | 27.05.2025 | 28.05.2025 |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|
| Rainfall (mm) | 2.8 | 16.4 | 25 | 11.3 | 4.5 |
| Max. temp (°C) | 28 | 25.7 | 24.2 | 25.7 | 25.9 |
| Min.Temp (°C) | 21.6 | 22.1 | 21.8 | 21.4 | 21.2 |
| Sky condition (Octas) | 8 | 8 | 8 | 8 | 8 |
| Relative humidity (%) 0830 hours | 88 | 84.7 | 88.4 | 87.8 | 83.7 |
| Relative humidity (%) 1730 hours | 62.2 | 72.4 | 76.6 | 71.9 | 69.9 |
| Wind Speed (kmph) | 15.8 | 21 | 21.8 | 15.9 | 21.1 |
| Wind Direction | 226.8 | 231.9 | 232.4 | 251.6 | 253.1 |

Pandavapura

| Parameter | 24.05.2025 | 25.05.2025 | 26.05.2025 | 27.05.2025 | 28.05.2025 |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|
| Rainfall (mm) | 1.4 | 10.6 | 102.2 | 15 | 5 |
| Max. temp (°C) | 28.5 | 26.7 | 24.8 | 26.2 | 26.1 |
| Min.Temp (°C) | 22.1 | 22.5 | 22.2 | 21.9 | 21.7 |
| Sky condition (Octas) | 7 | 8 | 8 | 8 | 8 |
| Relative humidity (%) 0830 hours | 86.8 | 83 | 90.1 | 87.6 | 84 |
| Relative humidity (%) 1730 hours | 61.2 | 67.7 | 76.2 | 72.4 | 70.6 |
| Wind Speed (kmph) | 13.3 | 19.1 | 21.2 | 15.1 | 19.1 |
| Wind Direction | 231.6 | 234.2 | 229.8 | 252 | 247.8 |

Shrirangapatna

| Parameter | 24.05.2025 | 25.05.2025 | 26.05.2025 | 27.05.2025 | 28.05.2025 |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|
| Rainfall (mm) | 1.4 | 10.6 | 102.2 | 14.9 | 5 |
| Max. temp (°C) | 28.9 | 26.9 | 25 | 25.9 | 25.4 |
| Min.Temp (°C) | 22.2 | 22.6 | 22.2 | 21.9 | 21.9 |
| Sky condition (Octas) | 7 | 8 | 8 | 8 | 8 |
| Relative humidity (%) 0830 hours | 85.9 | 82.6 | 89.9 | 88.2 | 85 |
| Relative humidity (%) 1730 hours | 61.3 | 67.4 | 76.1 | 73.8 | 73.5 |
| Wind Speed (kmph) | 14.2 | 19.9 | 21.4 | 17.7 | 20.3 |
| Wind Direction | 234.3 | 238.3 | 229.1 | 249.7 | 247.1 |

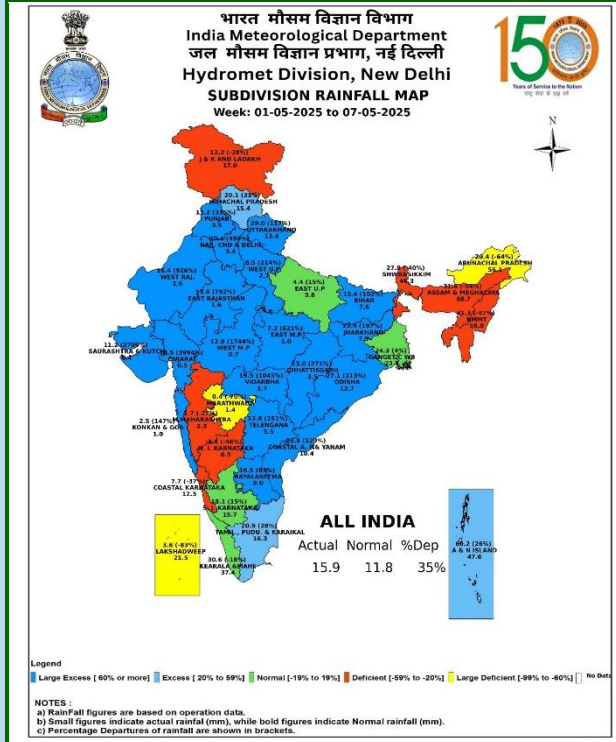
- Download “**DAMINI**” app to get early warning on lightening and take precautions based on the alert given by the application.
- Kindly download “**MAUSAM**” APP for location specific forecast & warning & “**MEGHDOOT**” APP for Agromet advisory
- This information is available in the website: mausam.imd.gov.in

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

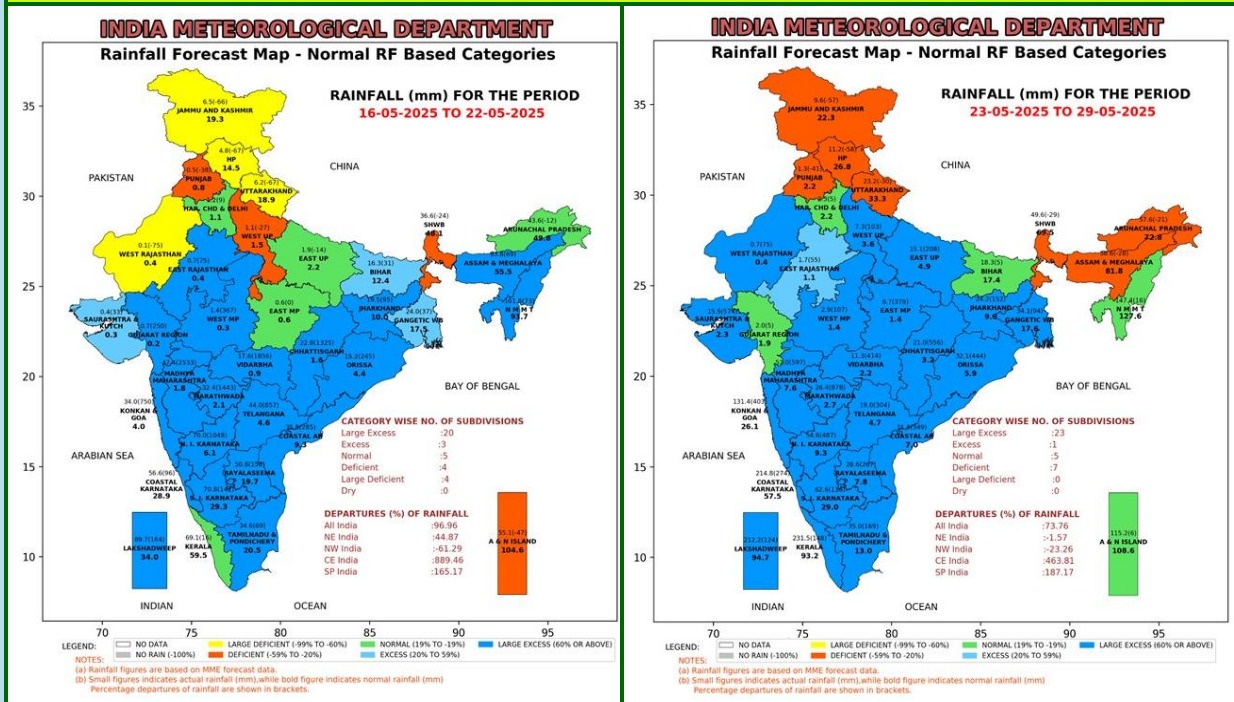
वास्तविक वर्षा तथा विस्तारित अवधि पूर्वानुमान
Realized Rainfall and Extended Range Forecast
 (वर्षा और तापमान)
 (Rainfall and Temperature)

Realized Rainfall
 (01st to 14th May, 2025)



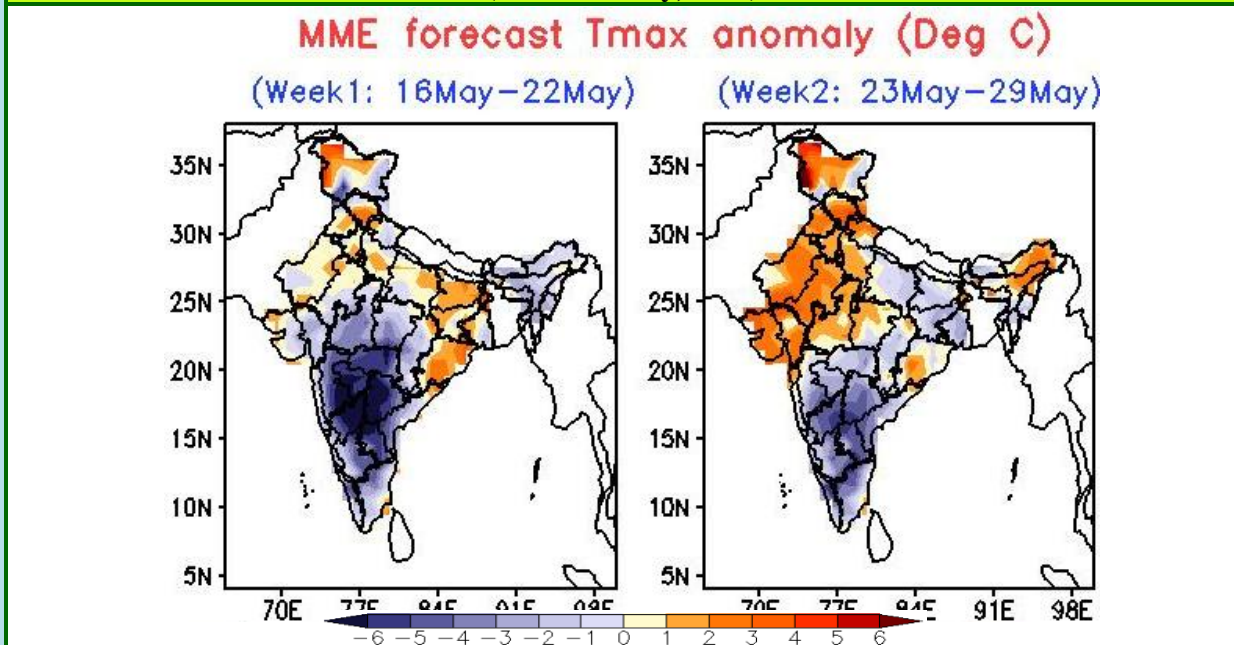
Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC- 14th May,2025) (16th to 29th May, 2025)



- **Week1(16.05.2025 to 22.05.2025):**Rainfall is likely to be above normal over South India, Maharashtra, Odisha and many parts of North East India.
- **Week 2 (23.05.2025 to 29.05.2025):**Rainfall is likely to be above normal over South India, Maharashtra, many parts of East India, Nagaland Manipur Mizoram & Tripura, Chhattisgarh and East Uttar Pradesh.

Maximum and Minimum temperature anomaly (°C) forecast for the next 2 weeks (IC- 14th May,2025) (16th to 29th May, 2025)



Maximum Temperature (Tmax)

- **Week 1 (16.05.2025 to 22.05.2025):** Maximum temperature is likely to be above normal over many parts of North West India and East India and below normal over remaining parts of

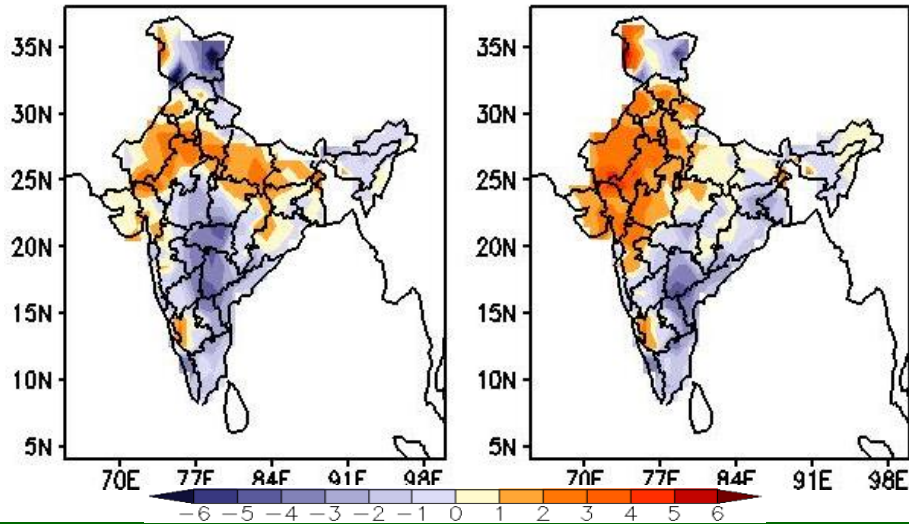
the country.

- **Week 2 (23.05.2025 to 29.05.2025):** Maximum temperature is likely to be above normal over North West India, Gujarat, Madhya Pradesh, some parts of Odisha, Assam and Arunachal Pradesh and below normal over remaining parts of the country.

MME forecast Tmin anomaly (Deg C)

(Week1: 16May–22May)

(Week2: 23May–29May)



Minimum Temperature (Tmin)

- **Week 1 (16.05.2025 to 22.05.2025):** Minimum temperature is likely to be above normal over many parts of North West India, East India and some parts of Karnataka and below normal over remaining parts of the country.
- **Week 2 (23.05.2025 to 29.05.2025):** Minimum temperature is likely to be above normal over many parts of North West India, Gujarat, Madhya Maharashtra and some parts of Karnataka and below normal over remaining parts of the country.