

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



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MYSURU - 570003**



Date: 17-01-2025

**AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

**Past Weather Data**

<b>Parameter</b>	<b>14.01.2025</b>	<b>15.01.2025</b>	<b>16.01.2025</b>	<b>17.01.2025</b>
<b>Rainfall (mm)</b>	0	0	0	0
<b>Max. Temp. (°C)</b>	29.9	28.3	29.6	30.1
<b>Min. Temp. (°C)</b>	18.8	18.7	15	13.5
<b>Sky condition (Octas)</b>	-	-	-	-
<b>Relative humidity (%) 0830 hours</b>	97	88	93	97
<b>Relative humidity (%) 1730 hours</b>	-	-	53	-
<b>Wind Speed (km/h)</b>	-	-	-	-
<b>Wind Direction</b>	-	-	-	-

**Weather forecast for the next five days (From 18-01-2025 to 22-01-2025)**

<b>Parameter</b>	<b>18.01.2025</b>	<b>19.01.2025</b>	<b>20.01.2025</b>	<b>21.01.2025</b>	<b>22.01.2025</b>
<b>Rainfall (mm)</b>	0	0	4	0	0
<b>Max. Temp. (°C)</b>	28.2	26.7	28.9	29.4	29.7
<b>Min. Temp. (°C)</b>	16.7	19.6	18.3	17	15.8
<b>Sky condition (Octas)</b>	4	8	6	6	2
<b>Relative humidity (%) 0830 hours</b>	91	89	92	76	78
<b>Relative humidity (%) 1730 hours</b>	38	58	34	25	21
<b>Wind Speed (kmph)</b>	10	9	8	8	7
<b>Wind Direction</b>	94	92	96	96	115

**Forecast Summary**

As forecast received from IMD, partially cloudy sky with **very light rainfall** may be expected from 18.01.2025 to 22.01.2025 in Chamarajanagara district. The day temperature is expected to be 26.7°C to 29.4°C & night temperature is expected 15.8°C to 19.6°C. The relative humidity in the morning hours is expected to be 76% to 92% & afternoon relative humidity is expected to be in the range of 21-58 %. Wind speed expected to be 7-10 km/ hr.

**SMS Advisory**

Farmers who have not yet harvested paddy are advised to proceed with harvesting as there is very light rainfall expected in the next 5 days.

Recommendations to the farmers:-			
Crop	Pest/Disease	Damage symptoms	Control measures
<b>General Advisory:</b>			
<ul style="list-style-type: none"> <li>• <b>Optimal Moisture Levels:</b> Ensure cereals are dried to <b>12%</b>, pulses to <b>9-10%</b>, and oilseeds to <b>7-8%</b> moisture content before storage.</li> <li>• <b>Storage Practices:</b> Use moisture-proof containers or jute bags lined with polythene. Keep storage spaces clean, ventilated, and elevated to prevent pest infestation and mold growth.</li> <li>• <b>Pest and Quality Management:</b> Regularly inspect stored produce for pests or mold. Use natural repellents like neem leaves or fumigants (with caution) for long-term protection.</li> </ul>			

Weather based advisory		
Crop	Stage	Advisory
<b>Paddy</b>	Harvest stage	Complete harvesting in dry conditions to avoid light rain damage. Dry harvested grains immediately to prevent fungal infections.
<b>Maize</b>	Flowering/Harvest	Apply light irrigation if needed during flowering; for mature crops, complete harvest early to avoid quality loss due to rains.
<b>Tomato</b>	Vegetative stage	Ensure timely nutrient application to boost growth. Monitor for leaf curl virus and aphids; spray neem oil or recommended insecticides if needed.
<b>Cabbage, Cauliflower</b>	Head formation stage	Protect heads from pests like diamondback moth and aphids using safe insecticides or neem-based sprays. Ensure light irrigation to maintain soil moisture.
<b>Bean, Field Bean</b>	Pod formation stage	Stake plants to prevent lodging from moderate winds. Spray bio-pesticides to control pod borer infestation.
<b>Chilli</b>	Vegetative/Fruit development	Apply micronutrient sprays for fruit development. Monitor for thrips and fruit rot; apply organic treatments as needed.
<b>Banana</b>	Fruit development stage	Provide staking for plants to prevent lodging. Apply potassium-based fertilizers to enhance fruit quality.
<b>Horticultural Crops</b>	Various stages	Regularly monitor for pest infestations like aphids, thrips, and fungal infections; ensure adequate nutrient supply.

Sugarcane trash management
<ul style="list-style-type: none"> <li>➤ <b>Composting:</b> Convert trash into organic manure.</li> <li>➤ <b>Mulching:</b> Use as mulch to conserve moisture and suppress weeds.</li> <li>➤ <b>Bio-decomposer:</b> Spray bio-decomposers (e.g., <i>Trichoderma</i>, <i>Pseudomonas</i>) on trash piles to accelerate decomposition.</li> <li>➤ <b>Soil Incorporation:</b> Shred and plow trash into the soil.</li> <li>➤ <b>Vermicomposting:</b> Use in vermiculture for nutrient-rich compost.</li> <li>➤ <b>Animal Bedding:</b> Use for livestock, later as manure.</li> <li>➤ <b>Avoid Burning:</b> Opt for sustainable disposal methods.</li> </ul>

Category	Advisory
<b>Livestock</b>	
Shelter	Ensure proper insulation in sheds to maintain warmth. Use dry bedding materials like straw.
Water Supply	Provide clean and lukewarm water to maintain hydration and prevent cold stress.
Feed	Increase feed with higher energy content (e.g., grains or concentrates) to help animals cope with cold.
Vaccination	Administer vaccines for <b>HS (Haemorrhagic Septicaemia)</b> and <b>FMD (Foot and</b>

	<b>Mouth Disease).</b>
Precautions	Regularly check for frostbite or cold stress symptoms (shivering, lethargy). Avoid sudden exposure to extreme cold.
<b>Poultry</b>	
Shelter	Maintain optimum temperatures in poultry sheds using heaters or bulbs. Ensure proper ventilation to avoid respiratory issues.
Water Supply	Provide warm drinking water and avoid freezing of water in cold conditions.
Feed	Provide high-energy feeds to help birds maintain body temperature. Supplement with vitamins (A, D, E).
Vaccination	Ensure vaccination against <b>Newcastle Disease</b> and <b>Infectious Bursal Disease (IBD)</b> .
Precautions	Avoid overcrowding to prevent stress and disease spread. Check for symptoms of respiratory infections.

### Recommendation to farmers

#### Crop specific advisory:

Crop	Stage	Advisory
<b>Cabbage diamond back moth</b>	Head stage	<ul style="list-style-type: none"> <li>• Spray DDVP 76 EC. @0.5 ml./lit water in nursery.</li> <li>• 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.</li> <li>• During head formation, spray 5 per cent NSKE .</li> <li>• Birdpurchases may be provided to attract predatory birds.</li> </ul>
<b>Tomato whiteflies</b>	Fruiting stage	Spray 1.0ml.Oxydemeton methyl 25 EC in a lit. water.
<b>Bean Pod borer</b>	Pod formation stage	Spray 2.0 ml. Malathion 50 EC./ lit. water .
<b>Tomato Early and late blight of tomato</b>	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. 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>
<b>Banana Leaf spot (Cigatoka)</b>	Fruit development	<p>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.</p>

<b>Field bean pod borer</b>	Pod development	Dust 10 kg. Fenvalrate 0.4 D. OR Malathion 5 D. per acre during morning hours.
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**Block level weather forecast (From 18-01-2025 to 22-01-2025)**

**Chamarajanagara**

<b>Parameter</b>	<b>18.01.2025</b>	<b>19.01.2025</b>	<b>20.01.2025</b>	<b>21.01.2025</b>	<b>22.01.2025</b>
<b>Rainfall (mm)</b>	0	0	2.7	0.2	0
<b>Max. temp (°C)</b>	27.2	27.6	25.4	27.6	29
<b>Min.Temp (°C)</b>	16.1	16.7	18.6	17.4	16
<b>Sky condition (Octas)</b>	2	5	6	6	2
<b>Relative humidity (%) 0830 hours</b>	94.6	93.4	95.6	89.8	70.6
<b>Relative humidity (%) 1730 hours</b>	40.1	41.4	61.4	43.4	24.6
<b>Wind Speed (kmph)</b>	7.4	6.5	5.7	4.7	5.8
<b>Wind Direction</b>	112.8	109.4	108.4	98.8	119.8

**Gundlupete**

<b>Parameter</b>	<b>18.01.2025</b>	<b>19.01.2025</b>	<b>20.01.2025</b>	<b>21.01.2025</b>	<b>22.01.2025</b>
<b>Rainfall (mm)</b>	0	0	1.3	0.1	0
<b>Max. temp (°C)</b>	27.6	28.2	26.1	28.5	29.2
<b>Min.Temp (°C)</b>	16	16.4	18.6	17.5	16.5
<b>Sky condition (Octas)</b>	2	6	6	4	2
<b>Relative humidity (%) 0830 hours</b>	89	90.3	92.3	86.8	65
<b>Relative humidity (%) 1730 hours</b>	37.6	38.4	56.4	43.8	23.6
<b>Wind Speed (kmph)</b>	11.2	9.1	9.8	5.8	5
<b>Wind Direction</b>	95.5	96.8	83.7	82.9	111

**Kollegala**

<b>Parameter</b>	<b>18.01.2025</b>	<b>19.01.2025</b>	<b>20.01.2025</b>	<b>21.01.2025</b>	<b>22.01.2025</b>
<b>Rainfall (mm)</b>	0	0	2.6	0.2	0
<b>Max. temp (°C)</b>	28.8	29.2	27.5	29.2	30.1
<b>Min.Temp (°C)</b>	16.8	17.7	19.5	18.5	16.5
<b>Sky condition (Octas)</b>	2	5	7	6	3
<b>Relative humidity (%) 0830 hours</b>	94.5	89.8	93.2	85.8	72.9
<b>Relative humidity (%) 1730 hours</b>	35.2	35.2	54	34.7	22.6
<b>Wind Speed (kmph)</b>	5.7	5.9	5.4	4	1.8
<b>Wind Direction</b>	71.6	79.4	53.1	63.4	101.3

## Yelandur

Parameter	18.01.2025	19.01.2025	20.01.2025	21.01.2025	22.01.2025
Rainfall (mm)	0	0.1	2.5	0	0
Max. temp (°C)	28.6	29.1	27.1	29	29.9
Min.Temp (°C)	16.7	17.6	19.4	18.4	16.2
Sky condition (Octas)	2	5	7	6	3
Relative humidity (%) 0830 hours	94.3	91.2	94.1	87	72.2
Relative humidity (%) 1730 hours	36	35.8	56.5	36	23.5
Wind Speed (kmph)	5.6	5.5	4.9	3.8	1.8
Wind Direction	75.1	78.7	54	73.3	101.3

## Hanur

Parameter	18.01.2025	19.01.2025	20.01.2025	21.01.2025	22.01.2025
Rainfall (mm)	0	0.2	4.3	0.4	0
Max. temp (°C)	26	26.6	24.7	26.2	27.7
Min.Temp (°C)	15.8	16.8	18.4	17.1	16
Sky condition (Octas)	3	6	7	6	1
Relative humidity (%) 0830 hours	96.2	93.1	96.8	87.4	77.6
Relative humidity (%) 1730 hours	42.7	41.2	62.8	41.2	26
Wind Speed (kmph)	6	5.4	5.9	3.3	3.1
Wind Direction	107.4	97.6	100.6	102.5	125.6

- 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](http://mausam.imd.gov.in)

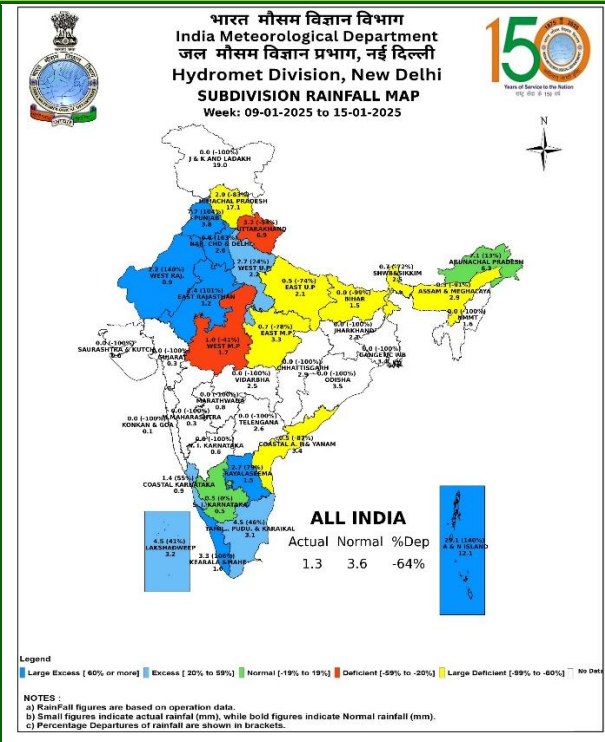
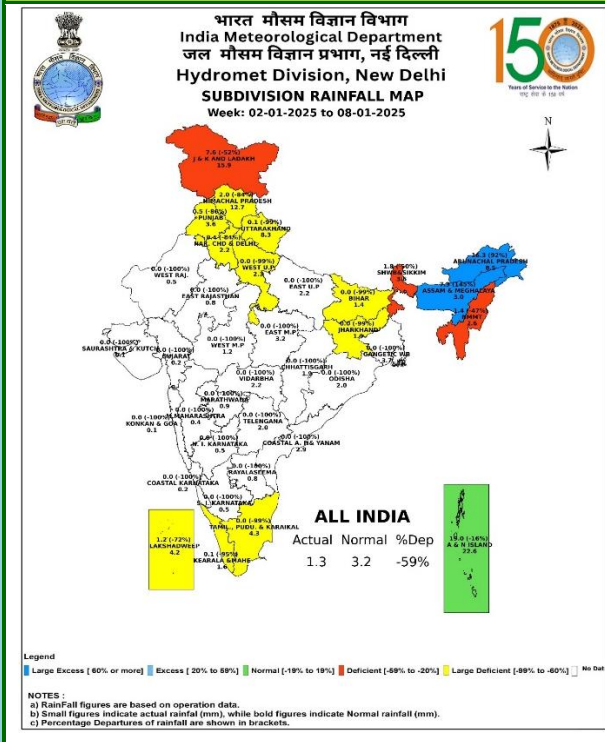
For any information farmers can contact **Dr. C. Ramachandra**, Senior Farm Superintendent/  
**Dr. Sumanth Kumar.G.V**, Technical officer over phone No. 0821-259126/ 9535345814.

**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**

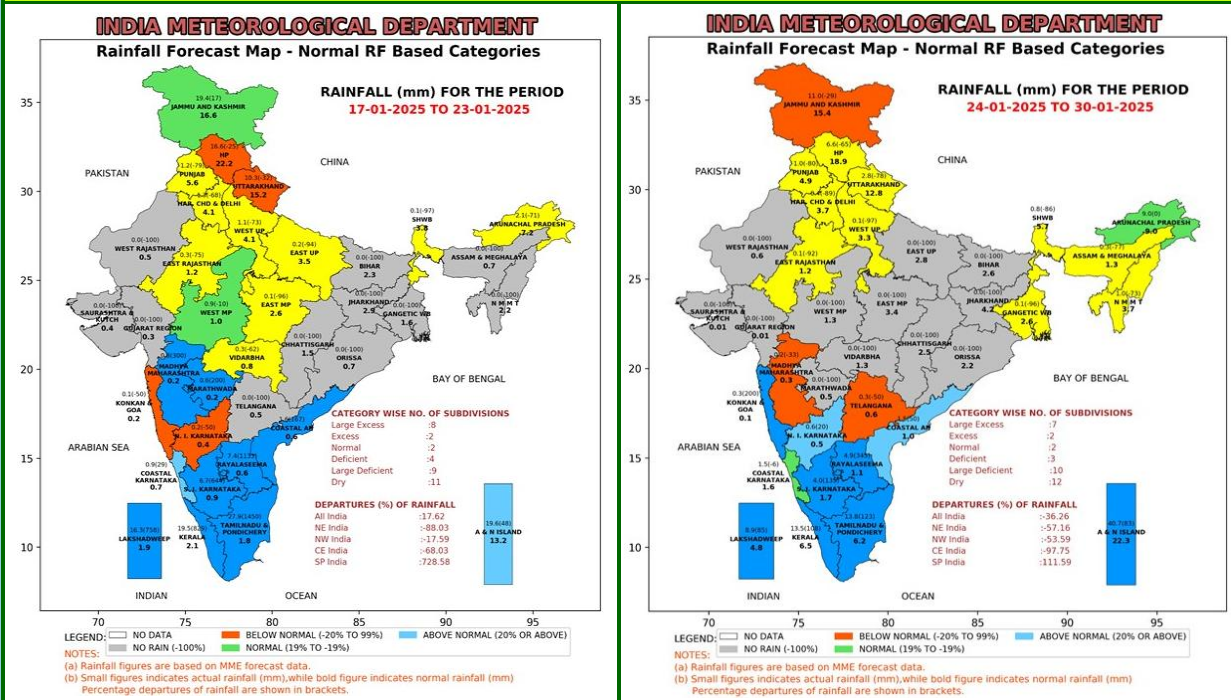
(02<sup>nd</sup> to 15<sup>th</sup> January, 2025)





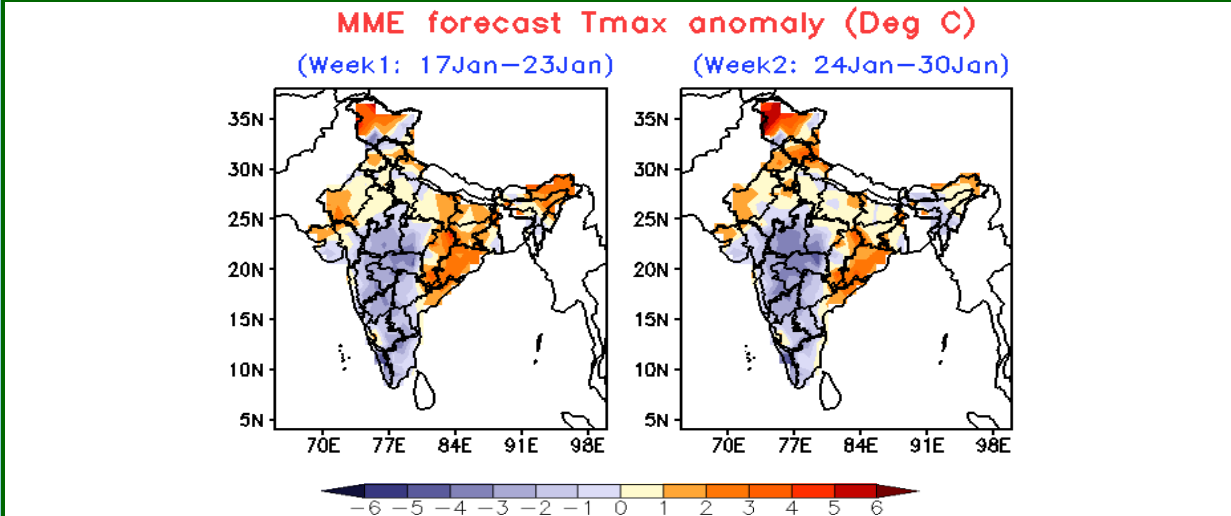
## Extended Range Forecast System

### Rainfall forecast maps for the next 2 weeks (IC- 15<sup>th</sup> January, 2025) (17<sup>th</sup> to 30<sup>th</sup> January, 2025)



- **Week1(17.01.2025 to 23.01.2025):**Rainfall is likely to be above normal over Tamil Nadu, Kerala and some parts of Rayalaseema. Rainfall activity associated with western disturbances is likely over Jammu & Kashmir, Himachal Pradesh and some parts of Uttarakhand.
- **Week 2 (24.01.2025 to 30.01.2025):**Rainfall is likely to be above normal over some parts of Tamil Nadu and south Kerala. Rainfall activity associated with western disturbances is likely over Jammu & Kashmir and Himachal Pradesh.

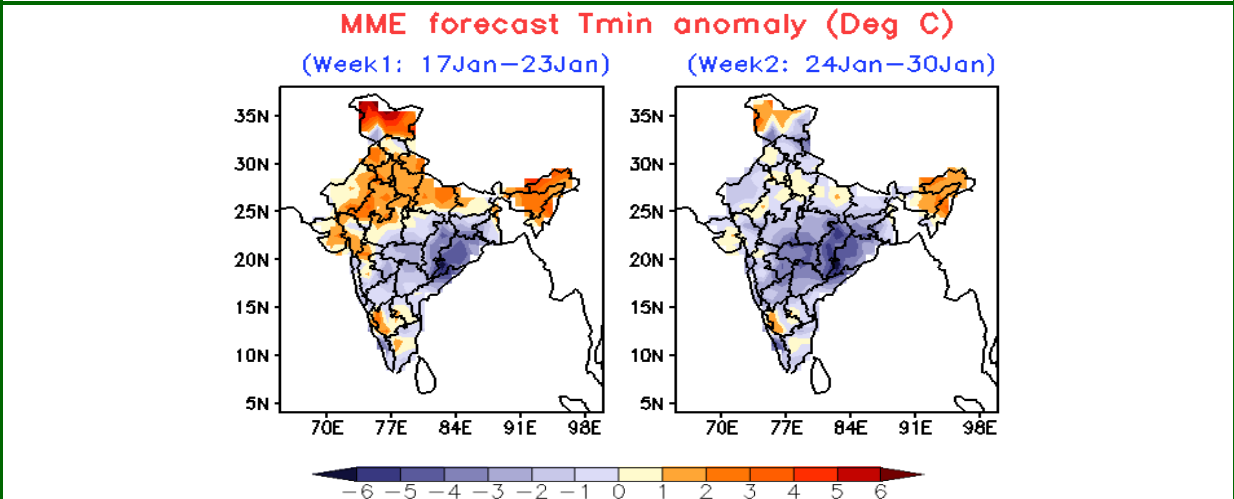
### Maximum and Minimum temperature anomaly ( °C) forecast for the next 2 weeks (IC- 15<sup>th</sup> January, 2025) (17<sup>th</sup> to 30<sup>th</sup> January, 2025)



#### Maximum Temperature (Tmax)

- **Week 1 (17.01.2025 to 23.01.2025):** Maximum temperature is likely to be below normal over Central India, many parts of West India and South India. However, it is likely to be above normal over East India, North West India, North East India and Chhattisgarh.

- **Week 2 (24.01.2025 to 30.01.2025):** Maximum temperature is likely to be below normal over Central India, many parts of West India and South India. However, it is likely to be above normal over East India, North West India, many parts of Chhattisgarh and Arunachal Pradesh.



**Minimum Temperature (Tmin)**

- **Week 1 (17.01.2025 to 23.01.2025):** Minimum temperature is likely to be below normal over many parts of Central India, East India, Coastal Andhra Pradesh and Kerala. However, it is likely to be above normal over North West India, North East India, Bihar, Gujarat, parts of South India and Madhya Maharashtra.
- **Week 2 (24.01.2025 to 30.01.2025):** Minimum temperature is likely to be below normal or close to normal over most parts of the country. It is likely to be above normal over North East India, some parts of Jammu & Kashmir and Karnataka.