

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



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MYSURU - 570003**



Date: 03-01-2025

**AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT**

**Issued jointly by, UAS, Bengaluru & Indian Meteorological Department**

**Past Weather Data**

<b>Parameter</b>	<b>31.12.2024</b>	<b>01.01.2025</b>	<b>02.01.2025</b>	<b>03.01.2025</b>
<b>Rainfall (mm)</b>	-	0	0	0
<b>Max. Temp. (°C)</b>	-	31	29.2	30.4
<b>Min. Temp. (°C)</b>	-	13.5	12.2	11.7
<b>Sky condition (Octas)</b>	-	-	-	-
<b>Relative humidity (%) 0830 hours</b>	-	97	97	97
<b>Relative humidity (%) 1730 hours</b>	-	-	-	-
<b>Wind Speed (km/h)</b>	-	-	-	-
<b>Wind Direction</b>	-	-	-	-

**Weather forecast for the next five days (From 04-01-2025 to 08-01-2025)**

<b>Parameter</b>	<b>04.01.2025</b>	<b>05.01.2025</b>	<b>06.01.2025</b>	<b>07.01.2025</b>	<b>08.01.2025</b>
<b>Rainfall (mm)</b>	0	0	0	0	0
<b>Max. Temp. (°C)</b>	26.6	26.7	26.9	26.1	27.2
<b>Min. Temp. (°C)</b>	14.4	13.9	14.2	14.7	15.7
<b>Sky condition (Octas)</b>	4	3	5	5	4
<b>Relative humidity (%) 0830 hours</b>	95	89	92	96	93
<b>Relative humidity (%) 1730 hours</b>	46	42	43	47	39
<b>Wind Speed (kmph)</b>	4	3.8	3.7	2.9	1.9
<b>Wind Direction</b>	85	107	119	120	112

**Forecast Summary**

As forecast received from IMD, partially cloudy sky with **no rainfall** may be expected from 04.01.2025 to 08.01.2025 in Chamarajanagara district. The day temperature is expected to be 26.1°C to 27.2°C & night temperature is expected 13.9°C to 15.7°C. The relative humidity in the morning hours is expected to be 89% to 96% & afternoon relative humidity is expected to be in the range of 39-47 %. Wind speed expected to be 1.9-4 km/ hr.

**SMS Advisory**

Farmers who have not yet harvested paddy are advised to proceed with harvesting as there is no 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>Birdpurches 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.</p>

		d)Metham Sodium (Vapom) - 1.0 g. In Mashy area provide drainage.
<b>Field bean pod borer</b>	Pod development	Dust 10 kg. Fenvalrate 0.4 D. OR Malathion 5 D. per acre during morning hours.

**Block level weather forecast (From 04-01-2025 to 08-01-2025)**

**Chamarajanagara**

<b>Parameter</b>	<b>04.01.2025</b>	<b>05.01.2025</b>	<b>06.01.2025</b>	<b>07.01.2025</b>	<b>08.01.2025</b>
<b>Rainfall (mm)</b>	0	0	0	0	0
<b>Max. temp (°C)</b>	27.5	27	26.8	26.6	26.6
<b>Min.Temp (°C)</b>	16.2	15.2	14.7	14.1	14.1
<b>Sky condition (Octas)</b>	3	5	3	4	3
<b>Relative humidity (%) 0830 hours</b>	97.4	98.4	97	96.9	90.1
<b>Relative humidity (%) 1730 hours</b>	49.9	47	45.7	48.4	43
<b>Wind Speed (kmph)</b>	3.6	4.4	5.5	5.2	6.6
<b>Wind Direction</b>	84.3	80.5	113.2	106	119.4

**Gundlupete**

<b>Parameter</b>	<b>04.01.2025</b>	<b>05.01.2025</b>	<b>06.01.2025</b>	<b>07.01.2025</b>	<b>08.01.2025</b>
<b>Rainfall (mm)</b>	0	0	0	0	0
<b>Max. temp (°C)</b>	27.5	27.2	26.9	26.9	27.1
<b>Min.Temp (°C)</b>	16.7	15.6	15.1	14.2	13.9
<b>Sky condition (Octas)</b>	3	4	3	4	2
<b>Relative humidity (%) 0830 hours</b>	96	94.6	88.7	90	86.5
<b>Relative humidity (%) 1730 hours</b>	49.9	45.9	43.5	41.5	38.6
<b>Wind Speed (kmph)</b>	5.6	6.8	7.5	5.9	6
<b>Wind Direction</b>	75.1	87	106.7	100.6	122.8

**Kollegala**

<b>Parameter</b>	<b>04.01.2025</b>	<b>05.01.2025</b>	<b>06.01.2025</b>	<b>07.01.2025</b>	<b>08.01.2025</b>
<b>Rainfall (mm)</b>	0	0	0	0	0
<b>Max. temp (°C)</b>	28.4	28.1	27.8	27.5	27.8
<b>Min.Temp (°C)</b>	16.7	15.8	15.5	14.6	13.9
<b>Sky condition (Octas)</b>	3	5	3	4	2
<b>Relative humidity (%) 0830 hours</b>	93.9	95	98.1	96.5	91.5
<b>Relative humidity (%) 1730 hours</b>	45.3	42.7	41.5	46.7	38.5
<b>Wind Speed (kmph)</b>	5	4.8	4.3	4.1	3.6
<b>Wind Direction</b>	59.7	63.4	85.2	74.7	95.7

### Yelandur

Parameter	04.01.2025	05.01.2025	06.01.2025	07.01.2025	08.01.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	28.2	27.8	27.6	27.2	27.7
Min.Temp (°C)	16.6	15.7	15.2	14.5	13.8
Sky condition (Octas)	3	5	3	4	2
Relative humidity (%) 0830 hours	96.4	96.8	97.7	96.8	90.3
Relative humidity (%) 1730 hours	47	44.1	42.9	47.2	39.3
Wind Speed (kmph)	4.5	4.3	4	4	4
Wind Direction	61.4	65.5	0	79.7	100.3

### Hanur

Parameter	04.01.2025	05.01.2025	06.01.2025	07.01.2025	08.01.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	26.6	26.1	25.8	25.5	25.7
Min.Temp (°C)	16.1	15.2	15.2	14.2	13.7
Sky condition (Octas)	4	6	4	4	3
Relative humidity (%) 0830 hours	97.5	96.5	99.3	97.7	92.3
Relative humidity (%) 1730 hours	50.6	47.3	47.6	51.9	44.6
Wind Speed (kmph)	3.3	4.3	4.2	3.4	4.2
Wind Direction	83.7	0	110	108.4	121

- 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)

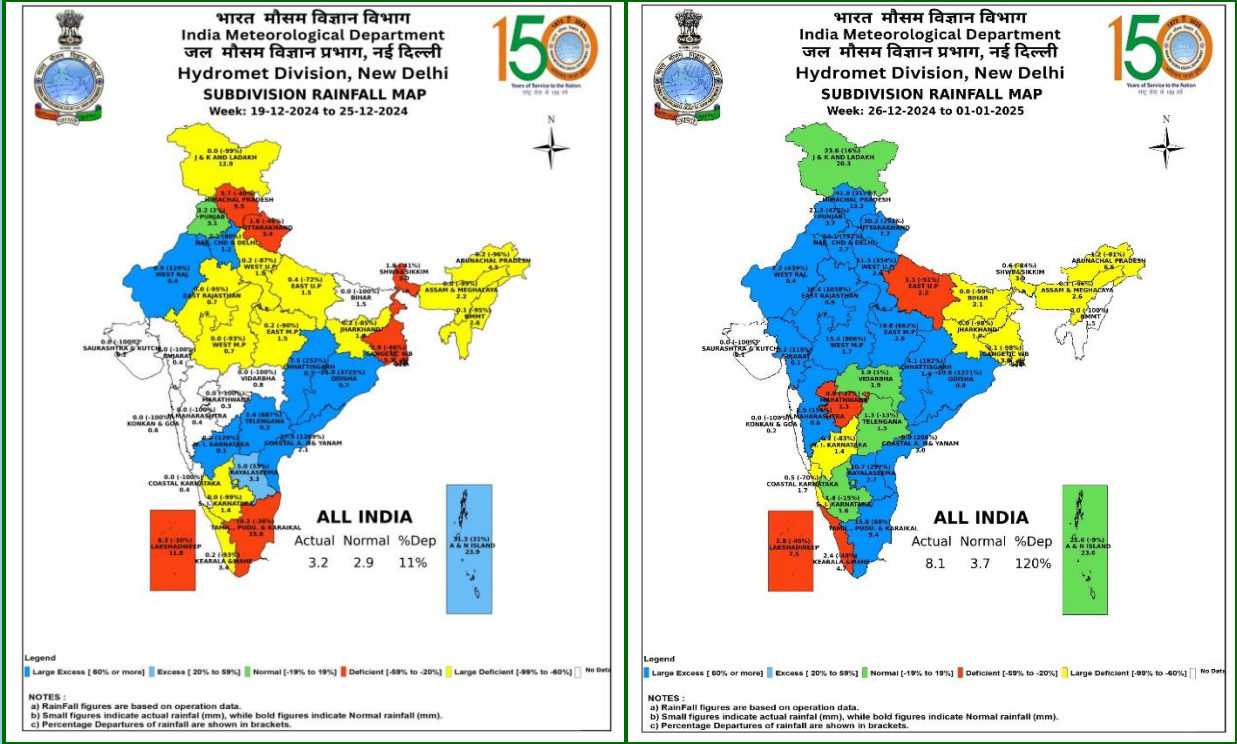
For any information farmers can contact **Dr. C. Ramachandra**, Senior Farm Superintendent/  
**Dr. Sumanth Kumar.G.V**, Technical officer over phone No. 0821-259126/ 9535345814.

**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**

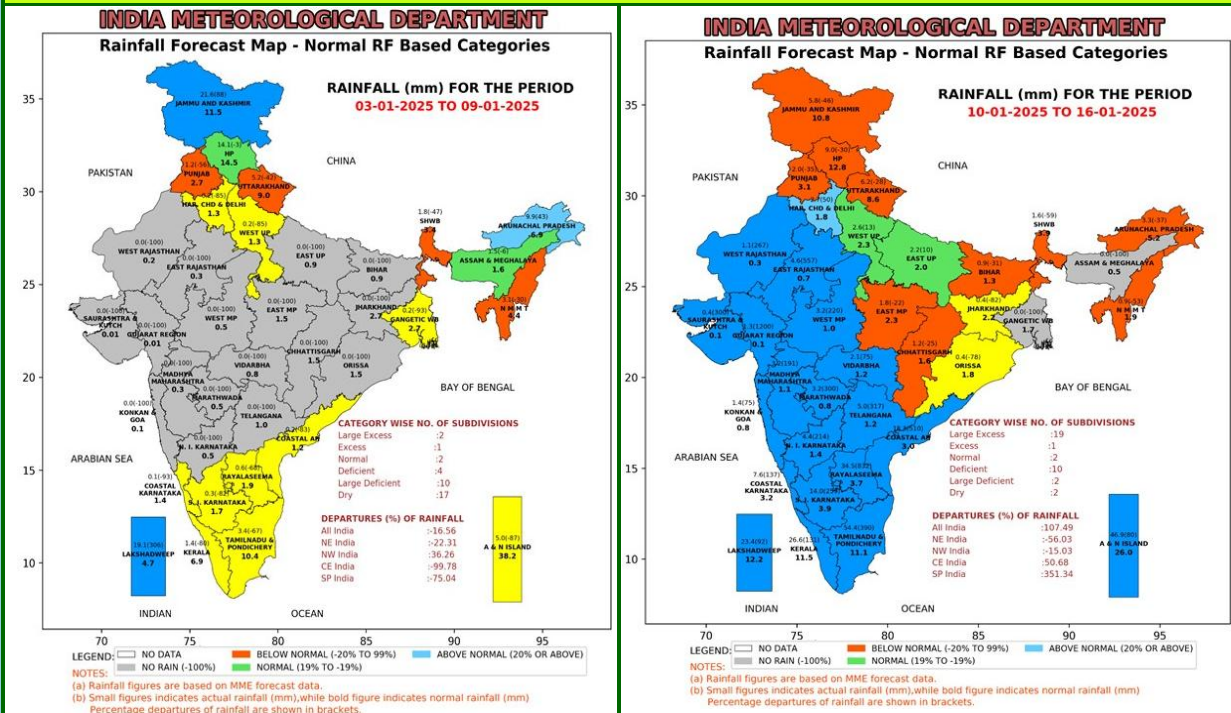
(19<sup>th</sup> December, 2024 to 01<sup>st</sup> January, 2025)





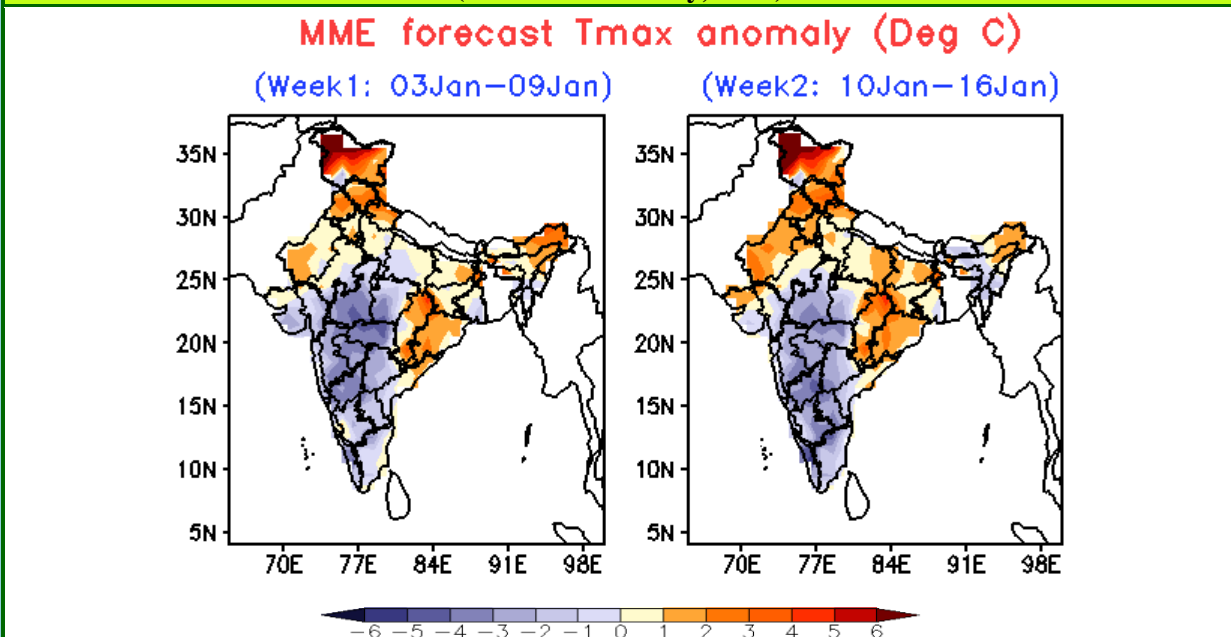
## Extended Range Forecast System

### Rainfall forecast maps for the next 2 weeks (IC- 01<sup>st</sup> January,2025) (03<sup>rd</sup> to 16<sup>th</sup> January, 2025)



- **Week1(03.01.2025 to 09.01.2025):**Rainfall is likely to be above normal over Jammu & Kashmir.
- **Week 2 (10.01.2025 to 16.01.2025):**Rainfall is likely to be above normal over Tamil Nadu, Kerala, Rayalaseema, some parts of Coastal Andhra Pradesh and South Interior Karnataka.

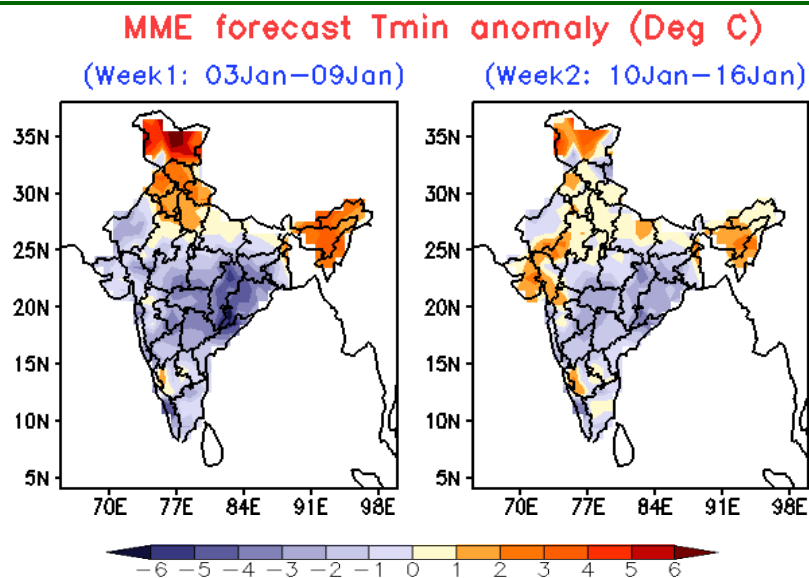
### Maximum and Minimum temperature anomaly ( °C) forecast for the next 2 weeks (IC- 01<sup>st</sup> January,2025) (03<sup>rd</sup> to 16<sup>th</sup> January, 2025)



### Maximum Temperature (Tmax)

- **Week 1 (03.01.2025 to 09.01.2025) and Week 2 (10.01.2025 to 16.01.2025):**Maximum temperature is likely to be below normal over Central and South India. However, it is

likely to be above normal over East India, many parts of Chhattisgarh, North West India and North East India.



#### Minimum Temperature (Tmin)

- **Week 1 (03.01.2025 to 09.01.2025):** 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 many parts of North West India.
- **Week 2 (10.01.2025 to 16.01.2025):** Minimum temperature is likely to be below normal over Central and East India. It is likely to be above normal over many parts of North West India & North East India and some parts of Karnataka and West India.