

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



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Date: 27-12-2024

**AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

**Past Weather Data**

<b>Parameter</b>	<b>24.12.2024</b>	<b>25.12.2024</b>	<b>26.12.2024</b>	<b>27.12.2024</b>
<b>Rainfall (mm)</b>	0	0	0	0
<b>Max. Temp. (°C)</b>	29.2	31.4	28.9	28.1
<b>Min. Temp. (°C)</b>	15.5	16.5	17.3	19.8
<b>Sky condition (Octas)</b>	-	-	-	-
<b>Relative humidity (%) 0830 hours</b>	97	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 28-12-2024 to 01-01-2025)**

<b>Parameter</b>	<b>28.12.2024</b>	<b>29.12.2024</b>	<b>30.12.2024</b>	<b>31.12.2024</b>	<b>01.01.2025</b>
<b>Rainfall (mm)</b>	2.7	0	0	0	0
<b>Max. Temp. (°C)</b>	26.5	27.2	27.2	26.9	26.5
<b>Min. Temp. (°C)</b>	18.5	17.4	16.9	16.8	17.4
<b>Sky condition (Octas)</b>	4	2	3	4	6
<b>Relative humidity (%) 0830 hours</b>	96	97	92	90	90
<b>Relative humidity (%) 1730 hours</b>	54	55	47	48	59
<b>Wind Speed (kmph)</b>	4.7	4.4	3.3	3.6	4.7
<b>Wind Direction</b>	99	100	84	53	58

**Forecast Summary**

As forecast received from IMD, partially cloudy sky with **very light rainfall** may be expected from 28.12.2024 to 01.01.2025 in Chamarajanagara district. The day temperature is expected to be 26.5°C to 27.2°C & night temperature is expected 16.8°C to 18.5°C. The relative humidity in the morning hours is expected to be 90% to 97% & afternoon relative humidity is expected to be in the range of 47-59 %. Wind speed expected to be 3.3-4.7 km/ hr.

**SMS Advisory**

- Complete harvesting of paddy and millets early and dry grains thoroughly to prevent spoilage.
- Avoid leaving harvested produce in the field; store under proper cover to prevent rain damage.

## Recommendations to the farmers:-

Crop	Pest/Disease	Damage symptoms	Control measures
<b>General Advisory:</b>			
<ul style="list-style-type: none"> <li>• <b>Fungal Diseases:</b> High humidity can increase fungal infections. Use bio-fungicides like Trichoderma or appropriate chemical sprays for crops at risk.</li> <li>• <b>Pest Monitoring:</b> Install yellow and pheromone traps for crops like red gram, beans, and tomato to monitor pest activity.</li> <li>• <b>Nutrient Management:</b> Apply foliar sprays of micronutrients where nutrient deficiency symptoms appear, especially in horticultural crops.</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>Millets</b>	Harvest stage	Harvest mature crops and store in a dry place. Thresh grains promptly to reduce losses from light rain and high humidity.
<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>Red Gram</b>	Pod development stage	Install pheromone traps to monitor pod borer. Lightly irrigate to maintain soil moisture if no rains occur.
<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.

## Livestock specific advisory

<b>Livestock</b>	-	Provide clean water and balanced feed. Supplement with mineral mixtures to maintain health. Vaccinate against common winter diseases like FMD, HS, and BQ. Keep shelters dry and insulated to prevent cold stress. Treat any illnesses promptly with veterinary assistance.
<b>Poultry</b>	-	Maintain warm, dry litter in sheds. Protect birds from cold with proper insulation and lighting. Provide clean water and balanced feed with vitamins to boost immunity during winter.

## 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</p> <p>OR</p> <p>2.0 g. Maneb</p> <p>OR</p> <p>2.0 g. Metalaxyl- MZ 72WP.</p> <p>OR</p> <p>2.0 g. Dimethomorph + polyram/lit. water.</p> <p>For control of late blight spray 2.0 g. Metalaxyl - MZ 72WP.</p> <p>OR</p> <p>2.0 g. Fosetyl al 80 WP</p> <p>OR</p> <p>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>Rice earhead bug</b>	Hard dough stage	<p>&gt; During milky stage of the crop; spray Malathion 50 EC. at 2.0 ml./lit. of water .</p> <p style="text-align: center;"><b>OR</b></p> <p>&gt; Dust 8 - 10 kg. Malathion 5 D./acre during morning hours.</p>
<b>Red gram Sterility mosaic</b>	Pod initiation stage	<p>Pull out the infested plants and destroy.</p> <p>20 - 25, 40 - 45 days after sowing spray 2.5 ml. Dicofol 18.5 EC./lit. water.</p> <p>ICP 7035 sterility mosaic resistant red gram variety.</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</p> <p>a)Propiconazole 25 EC.- 1.0 ml.</p> <p>b)Theiophenate methyl 70 Wdiv.- 1.0 g.</p> <p>c)Carbendazim 50 Wdiv.- 1.0 g.</p> <p>d)Metham Sodium (Vapom) - 1.0 g.</p> <p>In Mashy area provide drainage.</p>
<b>Field bean pod borer</b>	Pod development	<p>Dust 10 kg. Fenvalrate 0.4 D.</p> <p>OR</p> <p>Malathion 5 D. per acre during morning hours.</p>
<b>Ginger Rhizome rot</b>	Harvesting stage	2.0 g. Metalaxyl - MZ 72Wdiv. in a lit. water. Before store of seed material soak them in 3.0 g. Mancozeb 75 Wdiv. in a lit. water for 30 min then dry in shade and store.

**Block level weather forecast (From 28-12-2024 to 01-01-2025)****Chamarajanagara**

<b>Parameter</b>	<b>28.12.2024</b>	<b>29.12.2024</b>	<b>30.12.2024</b>	<b>31.12.2024</b>	<b>01.01.2025</b>
<b>Rainfall (mm)</b>	0.8	0	0	0	0
<b>Max. temp (°C)</b>	27.1	26.9	27.5	26.7	26.2
<b>Min.Temp (°C)</b>	18.7	17.2	16.2	17.2	17.8
<b>Sky condition (Octas)</b>	2	3	3	4	5
<b>Relative humidity (%) 0830 hours</b>	98.5	98.9	96.1	98	98.1
<b>Relative humidity (%) 1730 hours</b>	54.7	57.9	48.2	55.3	61.3
<b>Wind Speed (kmph)</b>	6.8	6.2	4	2.7	4.1
<b>Wind Direction</b>	115.2	110.6	100.3	66.8	74.7

**Gundlupete**

<b>Parameter</b>	<b>28.12.2024</b>	<b>29.12.2024</b>	<b>30.12.2024</b>	<b>31.12.2024</b>	<b>01.01.2025</b>
<b>Rainfall (mm)</b>	0.2	0	0	0	0
<b>Max. temp (°C)</b>	27.5	27.1	27.2	26.6	26.2
<b>Min.Temp (°C)</b>	18.6	17.2	16.1	17	17.8
<b>Sky condition (Octas)</b>	2	2	3	4	4
<b>Relative humidity (%) 0830 hours</b>	99.1	98.1	92.5	92.2	95
<b>Relative humidity (%) 1730 hours</b>	49.9	57.1	46.9	54.2	61.6
<b>Wind Speed (kmph)</b>	7.7	5.9	4.4	4.9	6.5
<b>Wind Direction</b>	100.8	104	99.5	72.9	70.6

**Kollegala**

<b>Parameter</b>	<b>28.12.2024</b>	<b>29.12.2024</b>	<b>30.12.2024</b>	<b>31.12.2024</b>	<b>01.01.2025</b>
<b>Rainfall (mm)</b>	2.3	0	0	0	0
<b>Max. temp (°C)</b>	27.8	28	28.2	27.8	27.7
<b>Min.Temp (°C)</b>	19.1	18.1	16.8	17.8	18.2
<b>Sky condition (Octas)</b>	3	2	3	4	4
<b>Relative humidity (%) 0830 hours</b>	95.7	97	95.6	91	90.4
<b>Relative humidity (%) 1730 hours</b>	53.9	56.6	45.4	51.4	55.1
<b>Wind Speed (kmph)</b>	6.3	4.9	3.9	4.6	5.1
<b>Wind Direction</b>	76.8	72.9	68.2	45	50.7

## Yelandur

Parameter	28.12.2024	29.12.2024	30.12.2024	31.12.2024	01.01.2025
Rainfall (mm)	2.4	0	0	0	0
Max. temp (°C)	27.7	27.8	28.1	27.5	27.2
Min.Temp (°C)	19	17.9	16.7	17.7	18.1
Sky condition (Octas)	3	2	3	4	4
Relative humidity (%) 0830 hours	96.5	97	95.9	93.5	93.5
Relative humidity (%) 1730 hours	55.5	56.2	45.8	53	57
Wind Speed (kmph)	5.5	4.4	3.8	4.1	4.6
Wind Direction	78.7	80.5	73.3	45	51.3

## Hanur

Parameter	28.12.2024	29.12.2024	30.12.2024	31.12.2024	01.01.2025
Rainfall (mm)	4.1	0	0	0	0
Max. temp (°C)	25.6	26	26.5	25.7	25.6
Min.Temp (°C)	18	16.9	16.5	17.2	17.2
Sky condition (Octas)	5	3	3	5	6
Relative humidity (%) 0830 hours	97.7	97.9	97.8	93.3	93.7
Relative humidity (%) 1730 hours	63.9	61	50.3	56.9	60.8
Wind Speed (kmph)	5.9	4.1	2.9	3.4	3.2
Wind Direction	104	105.3	97.1	71.6	0

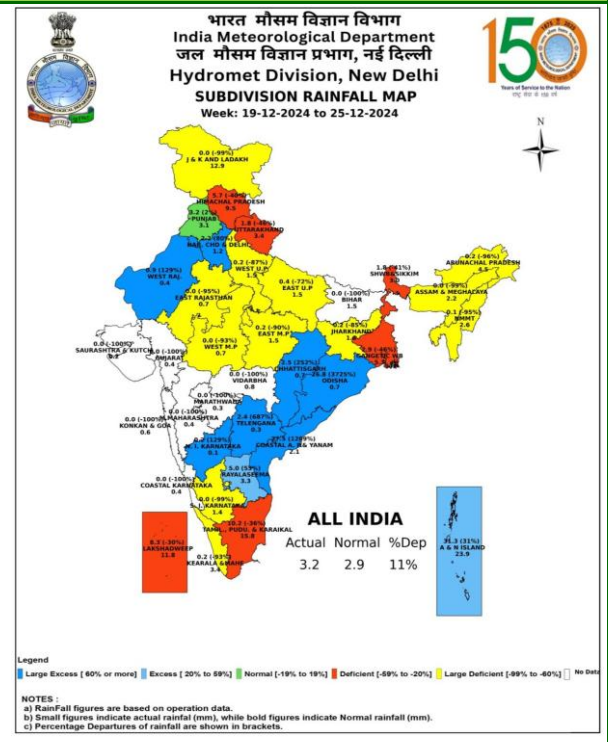
- Download “DAMINI” app to get early warning on lightening and take precautions based on the alert given by the application.
- Kindly download”MAUSAM” APP for location specific forecast & warning &“MEGHDOOT” APP for Agromet advisory
- This information is available in the website: [mausam.imd.gov.in](http://mausam.imd.gov.in)

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**

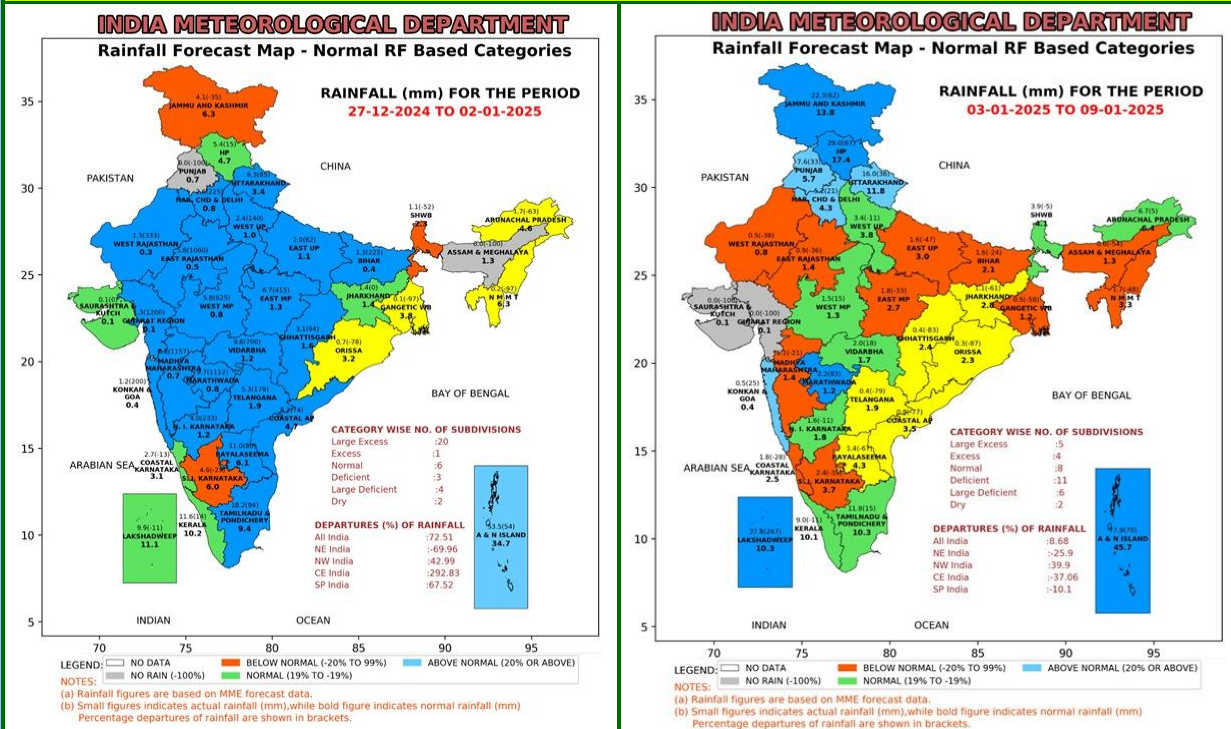
वास्तविक वर्षा तथा विस्तारित अवधि पूर्वानुमान  
**Realized Rainfall and Extended Range Forecast**  
 (वर्षा और तापमान)  
 (Rainfall and Temperature)

**Realized Rainfall**  
 (12<sup>th</sup> to 25<sup>th</sup> December, 2024)



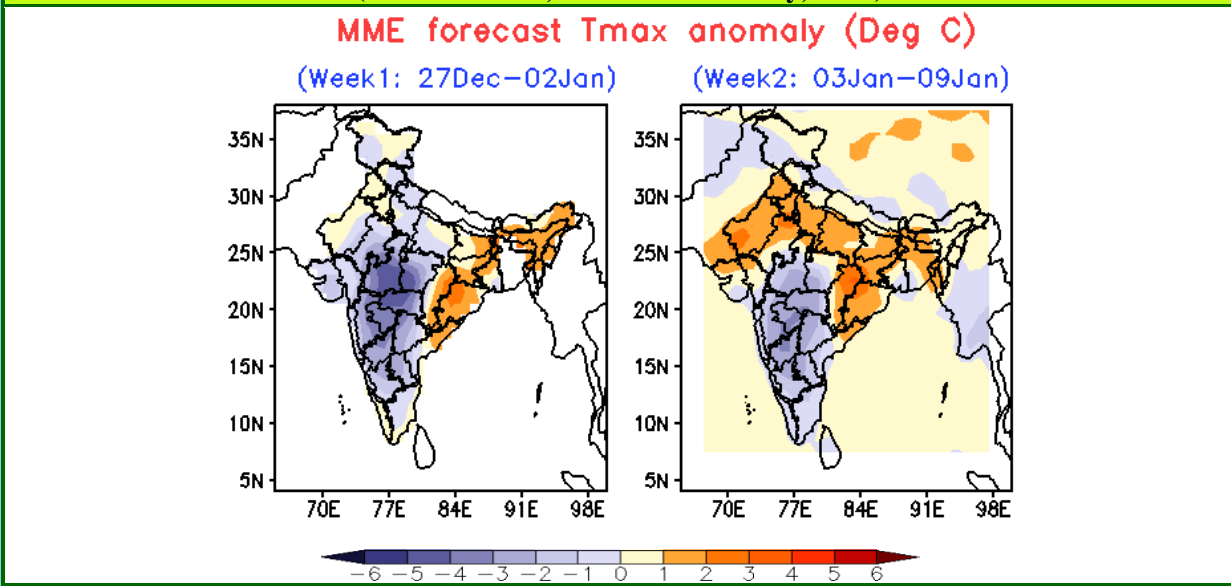
## Extended Range Forecast System

### Rainfall forecast maps for the next 2 weeks (IC- 25<sup>th</sup> December,2024) (27<sup>th</sup>December, 2024to 09<sup>th</sup>January, 2025)



- **Week1(27.12.2024 to 02.01.2025):**Rainfall is likely to be above normal over Maharashtra, some parts of Madhya Pradesh, isolated pockets of Rajasthan and coastal regions of Tamil Nadu and South Andhra Pradesh.
- **Week 2 (03.01.2025 to 09.01.2025):**Rainfall is likely to be above normal over Jammu & Kashmir and Himachal Pradesh.

### Maximum and Minimum temperature anomaly ( °C) for the next 2 weeks (IC- 25<sup>th</sup> December,2024) (27<sup>th</sup> December, 2024to 09<sup>th</sup>January, 2025)

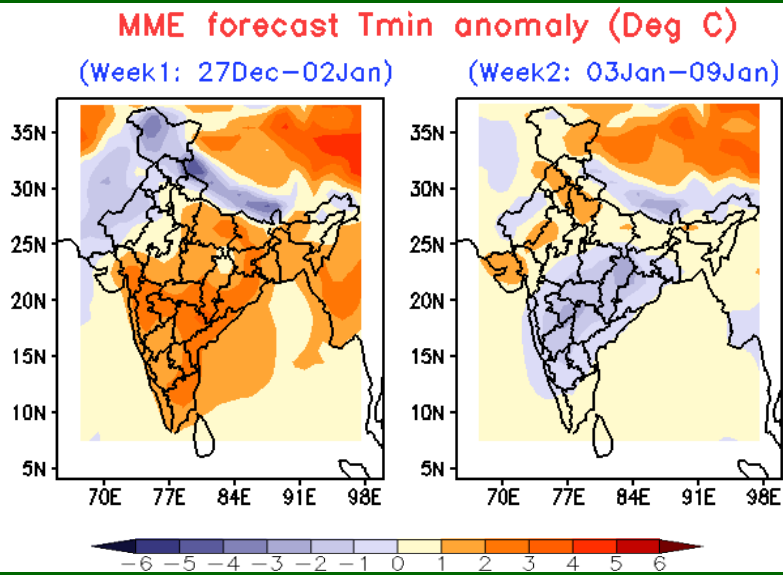


#### Maximum Temperature (Tmax)

- **Week 1 (27.12.2024 to 02.01.2025):**Maximum temperature is likely to be below normal over Central India, some parts of NorthWest India, West India and South India. However, it is likely to be above normal over East India, North East India, Punjab, Haryana, Jammu

& Kashmir.

- **Week 2 (03.01.2025 to 09.01.2025):** Maximum temperature is likely to be below normal over Central India and South India. However, it is likely to be above normal over North west India, East India, North East India and Chhattisgarh.



#### **Minimum Temperature (Tmin)**

- **Week 1 (27.12.2024 to 02.01.2025):** Minimum temperature is likely to be above normal over most parts of the country. It is likely to be below normal over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab and west Rajasthan.
- **Week 2 (03.01.2025 to 09.01.2025):** Minimum temperature is likely to be above normal over Bihar, Gujarat, Kerala, Tamil Nadu and most parts of North West & North East India. It is likely to be below normal over Central India, many parts of west India and some parts of East & South India.