

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



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



Date: 30-07-2024

**AGRO-ADVISORY BULLETIN FOR KODAGU DISTRICT**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

**Past Weather Data**

Parameter	26.07.2024	27.07.2024	28.07.2024	29.07.2024	30.07.2024
Rainfall (mm)	52	36	0.5	19	73
Max. Temp. (°C)	23.9	23.9	26.7	27.3	25.5
Min. Temp. (°C)	20.2	20.2	20.4	21	20.1
Sky condition (Octas)	-	-	-	-	-
Relative humidity (%) 0830 hours	98	92	74	100	100
Relative humidity (%) 1730 hours	99	95	69	82	100
Wind Speed (km/h)	-	-	-	-	-
Wind Direction	-	-	-	-	-

**Weather forecast for the next five days (From 31-07-2024 to 04-08-2024)**

Parameter	31.07.2024	01.08.2024	02.08.2024	03.08.2024	04.08.2024
Rainfall (mm)	137	216	204	41	27
Max. Temp. (°C)	27.3	27.4	25.6	27.3	27.5
Min. Temp. (°C)	18.3	17.9	17.4	17.1	16.5
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	97	97	98	96	97
Relative humidity (%) 1730 hours	91	93	93	86	84
Wind Speed (kmph)	9	7	7	9	8
Wind Direction	248	248	212	248	238

**Forecast Summary**

As forecast received from IMD, cloudy sky with moderate to extremely heavy rainfall may be expected from 31.07.2024 to 04.08.2024 in Kodagu district. The day temperature is expected to be 25.6-27.5°C & night temperature is expected 16.5-18.3°C. The relative humidity in the morning hours is expected to be 96-98% & afternoon relative humidity is expected to be in the range of 84-93%. Wind speed expected to be 7-9 km/ hr.

Crop/Activity	Advisory	
<b>General</b>	<ul style="list-style-type: none"> <li>✓ Monitor weather updates regularly.</li> <li>✓ Ensure proper drainage in fields to prevent waterlogging and soil erosion.</li> <li>✓ Delay harvesting of moisture-sensitive crops until heavy rainfall subsides.</li> <li>✓ Store harvested produce in a safe, dry place to prevent spoilage.</li> <li>✓ Strengthen embankments and bunds in fields to prevent soil erosion.</li> </ul>	
<b>Coffee</b>	Berry Development	<ul style="list-style-type: none"> <li>✓ Postpone pruning and shade management activities during heavy rainfall.</li> <li>✓ Apply fungicides to prevent fungal diseases like coffee leaf rust.</li> <li>✓ Ensure good drainage around coffee plants to prevent root rot.</li> <li>✓ Avoid any fertilizer application during this period to prevent nutrient leaching.</li> <li>✓ Inspect and repair any damage to coffee plant support structures.</li> </ul>
<b>Paddy</b>	Transplanting stage	<ul style="list-style-type: none"> <li>✓ Ensure fields are properly leveled and have adequate drainage if transplanting.</li> <li>✓ Plan for a top-dressing of nutrients once heavy rains subside to address nutrient leaching.</li> <li>✓ Monitor and control pest and disease outbreaks due to high humidity.</li> <li>✓ Strengthen field bunds to prevent breaches and waterlogging.</li> <li>✓ Keep irrigation channels clear to facilitate quick drainage of excess water.</li> </ul>
<b>Spices (Cardamom, Black Pepper)</b>	Vegetative stage	<ul style="list-style-type: none"> <li>✓ Apply fungicides to prevent fungal diseases like leaf spot and foot rot.</li> <li>✓ Ensure support structures for pepper vines are sturdy.</li> <li>✓ Maintain proper drainage around plants to prevent water stagnation.</li> <li>✓ Regularly inspect plants for signs of disease and apply control measures promptly.</li> <li>✓ Avoid water accumulation around the plant base to prevent root diseases.</li> </ul>
<b>Vegetables (Tomato, Chilli, Beans)</b>	All stages	<ul style="list-style-type: none"> <li>✓ Avoid planting new seedlings during this period.</li> <li>✓ Use appropriate fungicides to protect crops from fungal diseases.</li> <li>✓ Ensure stakes and other support structures for plants like tomatoes are secure.</li> <li>✓ Harvest any mature vegetables before the onset of heavy rains to prevent loss.</li> <li>✓ Protect young plants with temporary coverings to shield them from heavy rainfall.</li> </ul>
<b>Fruit Crops (Banana, Papaya)</b>	Fruit development stage	<ul style="list-style-type: none"> <li>✓ Provide support to young plants and banana pseudostems to prevent them from falling due to high winds.</li> <li>✓ Ensure good drainage around plants to prevent waterlogging.</li> <li>✓ Apply fungicides to prevent fungal diseases.</li> <li>✓ Harvest mature fruits to avoid damage from heavy rain and high winds.</li> <li>✓ Use windbreaks or barriers to protect plants from strong winds.</li> </ul>
<b>Livestock</b>	<ul style="list-style-type: none"> <li>✓ Ensure animals have access to dry and warm shelter during heavy rains.</li> <li>✓ Protect feed and water sources from contamination.</li> <li>✓ Monitor livestock for signs of illness or disease due to wet conditions and seek veterinary advice if needed.</li> </ul>	

	<ul style="list-style-type: none"> <li>✓ Keep livestock areas clean and dry to prevent the spread of diseases.</li> <li>✓ Ensure proper ventilation in animal shelters to reduce humidity and respiratory issues.</li> </ul>
<b>Fisheries</b>	<ul style="list-style-type: none"> <li>✓ Ensure pond embankments are strong and check for leakage or damage. Monitor water quality regularly as heavy rains can affect pH and oxygen levels.</li> <li>✓ Adjust feeding schedules based on water quality and fish activity levels. Prevent overflow of ponds by maintaining proper drainage.</li> <li>✓ Stockpile emergency supplies of feed and medicines for fish.</li> </ul>
<b>Soil and Water Conservation</b>	<ul style="list-style-type: none"> <li>✓ Implement soil erosion control measures like contour bunding and mulching.</li> <li>✓ Harvest rainwater for future use, ensuring proper storage facilities.</li> <li>✓ Construct temporary check dams to slow down runoff and prevent soil erosion.</li> <li>✓ Use cover crops to protect soil from erosion.</li> <li>✓ Maintain vegetation along field borders to reduce runoff velocity and capture sediments.</li> </ul>

### Block level weather forecast (From 31-07-2024 to 04-08-2024)

#### Madikeri

Parameter	31.07.2024	01.08.2024	02.08.2024	03.08.2024	04.08.2024
Rainfall (mm)	66.4	117	130	14.3	8.2
Max. temp (°C)	25.9	25.8	24.8	26.1	25.7
Min.Temp (°C)	20.5	20.2	19.8	19.6	19.6
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	99	99	99	98	98
Relative humidity (%) 1730 hours	97	97	98	94	93
Wind Speed (kmph)	8	6	6	8	7
Wind Direction	270	257	252	293	270

#### Somvarpet

Parameter	31.07.2024	01.08.2024	02.08.2024	03.08.2024	04.08.2024
Rainfall (mm)	11.8	33.3	59.3	4.8	3.9
Max. temp (°C)	25.1	24.6	23.2	25.5	24.8
Min.Temp (°C)	19	18.7	18.4	18.1	17.7
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	96	97	98	94	97
Relative humidity (%) 1730 hours	90	92	93	85	85
Wind Speed (kmph)	14	12	11	15	12
Wind Direction	252	248	270	291	257

## Virajpet

Parameter	31.07.2024	01.08.2024	02.08.2024	03.08.2024	04.08.2024
Rainfall (mm)	53.4	102.8	93.4	8.9	5.2
Max. temp (°C)	25.4	25.7	24.5	26	26.5
Min.Temp (°C)	21.1	20.7	20.3	20.4	20.2
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	98	99	99	98	98
Relative humidity (%) 1730 hours	97	97	98	92	88
Wind Speed (kmph)	7	6	6	7	6
Wind Direction	248	246	238	248	248

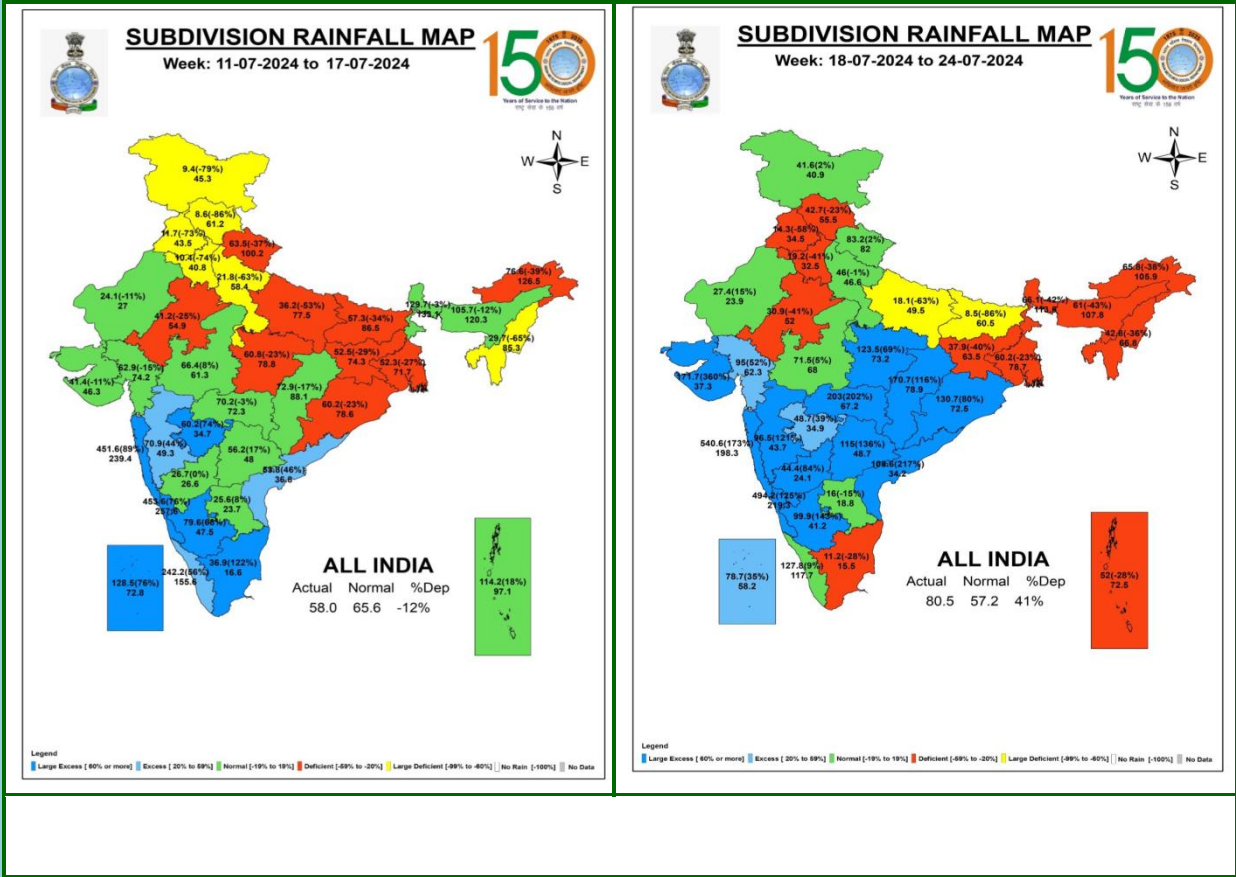
- Download “DAMINI” app to get early warning on lightening and take precautions based on the alert given by the application.
- Kindly download “MAUSAM” APP for location specific forecast & warning & “MEGHDOOT” APP for Agromet advisory
- This information is available in the website: [mausam.imd.gov.in](http://mausam.imd.gov.in)

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

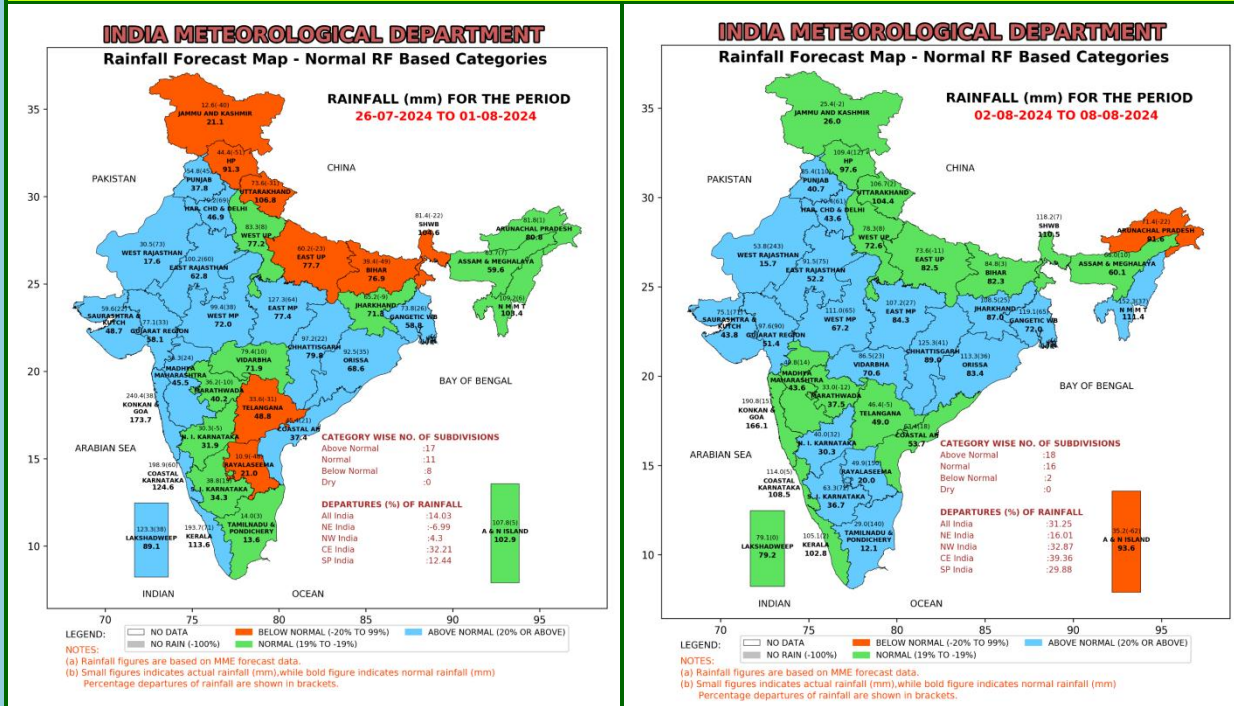
वास्तविकवर्षातथाविस्तारितअवधिपूर्वानुमान  
**Realized Rainfall and Extended Range Forecast**  
 (वर्षाऔरतापमान)  
 (Rainfall and Temperature)

**Realized Rainfall**  
 (11<sup>th</sup> to 24<sup>th</sup> July, 2024)



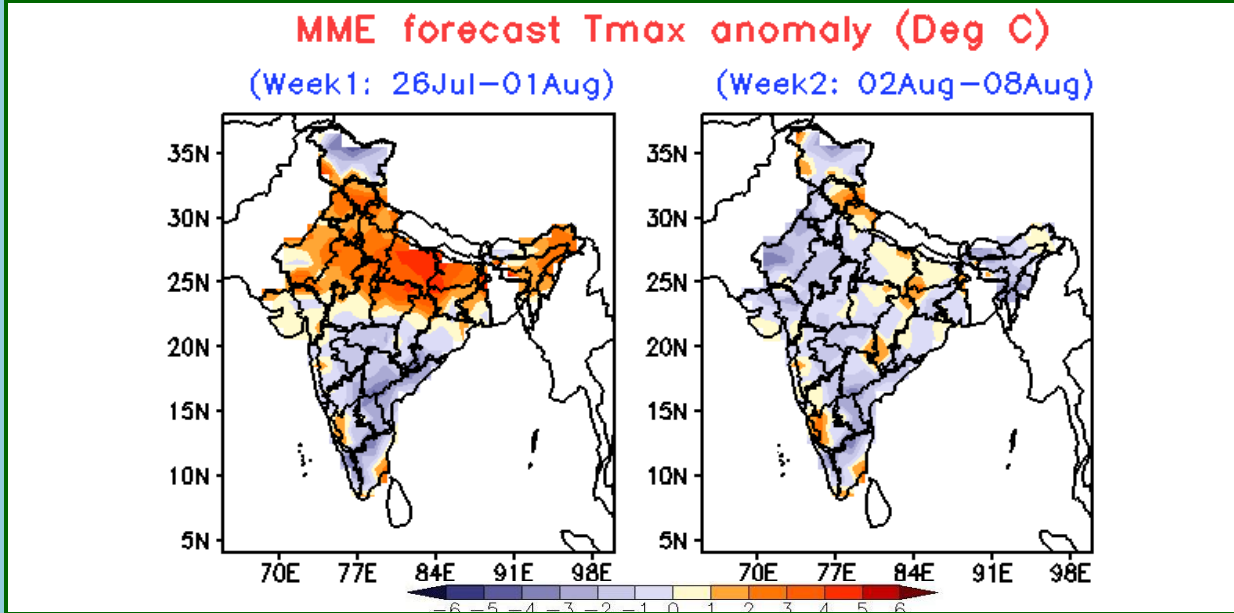
## Extended Range Forecast System

### Rainfall forecast maps for the next 2 weeks (IC- 24<sup>th</sup> July, 2024) (26<sup>th</sup> July to 08<sup>th</sup> August, 2024)



- **Week 1 (26.07.2024 to 01.08.2024):** Rainfall is likely to be above normal over regions along the West Coast; many parts of Central & Northwest India and some parts of East India. However, it is likely to be below normal over Tamil Nadu, Rayalaseema, Telangana, Jammu & Kashmir, Himachal Pradesh, Uttarakhand, East Uttar Pradesh and Bihar.
- **Week 2 (02.08.2024 to 08.08.2024):** Rainfall is likely to be above normal over most parts of Country except East Uttar Pradesh where it is likely to be below normal.

### Maximum and Minimum temperature anomaly (°C) forecast for the next 2 weeks (IC- 24<sup>th</sup> July, 2024) (26<sup>th</sup> July to 08<sup>th</sup> August, 2024)



**Maximum Temperature (Tmax)**

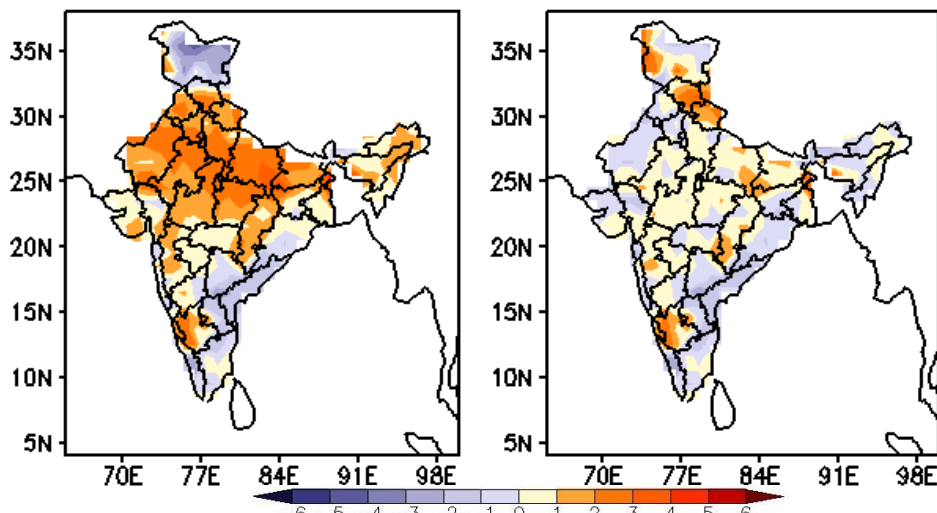


- **Week 1 (26.07.2024 to 01.08.2024):**Maximum temperature is likely to be above normal over Northwest India, East India and Northeast India.
- **Week 2 (02.08.2024 to 08.08.2024):** Maximum temperature is likely to be below normal over most parts of the country.

### MME forecast Tmin anomaly (Deg C)

(Week1: 26Jul-01Aug)

(Week2: 02Aug-08Aug)



### Minimum Temperature (Tmin)

- **Week 1 (26.07.2024 to 01.08.2024):** Minimum temperature likely to be above normal over most parts of the country except Kerala, Telangana, Rayalaseema and regions along East Coast.
- **Week 2 (02.08.2024 to 08.08.2024):** Minimum temperature likely to be slightly above normal over parts of Northwest India, Central India and Karnataka.