

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



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



Date:18-02-2025

AGRO-ADVISORY BULLETIN FOR KODAGU DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	15.02.2025	16.02.2025	17.02.2025	18.02.2025
Rainfall (mm)	0	0	0	0
Max. Temp. (°C)	33.6	32.9	32.6	33.2
Min. Temp. (°C)	17	14.8	14.1	15.5
Sky condition (Octas)	-	-	-	-
Relative humidity (%) 0830 hours	97	97	88	100
Relative humidity (%) 1730 hours	-	-	26	18
Wind Speed (km/h)	-	-	-	-
Wind Direction	-	-	-	-

Weather forecast for the next five days (From 19-02-2024 to 23-02-2025)

Parameter	19.02.2025	20.02.2025	21.02.2025	22.02.2025	23.02.2025
Rainfall (mm)	0	0	0	0	0
Max. Temp. (°C)	33.2	33.6	33.7	33.7	33.6
Min. Temp. (°C)	17.8	17.9	18.2	18.5	18.6
Sky condition (Octas)	93	96	97	92	90
Relative humidity (%) 0830 hours	23	24	34	29	31
Relative humidity (%) 1730 hours	3	1	1	2	2
Wind Speed (kmph)	2.5	2.5	2.2	2.9	2.2
Wind Direction	82	82	81	83	81

Forecast Summary

As forecast received from IMD, cloudy sky with **no rainfall** may be expected from **19.02.2025 to 23.02.2025** in Kodagu district. The day temperature is expected to be 33.2-33.7°C & night temperature is expected 17.9°C to 18.6°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 23% to 31%. Wind speed expected to be 1-3 km/ hr.

SMS Advisory

A forecasted temperature for the next five days is 34-35°C. Farmers should irrigate crops adequately and use mulching to conserve soil moisture. Provide shade and sufficient drinking water for livestock to prevent heat stress. Ventilation in polyhouses and shaded structures for horticultural crops will help minimize heat-related damage.

Recommendations to the farmers:-

Crop	Pest/Disease	Damage symptoms	Control measures
General Advisory:			
<ul style="list-style-type: none"> • No rainfall for the next 5 days increases soil moisture loss. Irrigation at proper intervals is essential to avoid water stress. • Mulching with organic materials (leaves, straw, dried grass) is advised to retain soil moisture and reduce evaporation. • Drip and sprinkler irrigation are recommended for efficient water management. • Pest and Disease Monitoring: The dry weather can increase thrips, mites, aphids, and borers; regular scouting and preventive control measures should be taken. <ul style="list-style-type: none"> • Shade Management in plantation crops like coffee and cardamom is necessary to protect plants from direct sunlight and water stress. 			

Crop	Stage	Weather-Based Advisory
Paddy	Nursery preparation/trans planting	No rainfall ; ensure adequate irrigation for nursery. Maintain proper moisture for seedling growth.
Maize	Vegetative stage	No rainfall ; irrigate to prevent water stress. Mulching is recommended to conserve soil moisture. Monitor for fall armyworm.
Ragi	Vegetative stage	No rainfall ; provide light irrigation as needed. Mulching with crop residues can reduce moisture loss.
Tomato	Fruit development	No rainfall ; irrigate at regular intervals. Install mulch to maintain soil moisture. Protect from fruit borers and powdery mildew.
Brinjal	Flowering/fruiting stage	No rainfall ; provide irrigation to avoid flower drop. Monitor for sucking pests like whiteflies and mites.
Beans	Vegetative/flowering stage	No rainfall ; apply irrigation to support flowering. Support vines to prevent lodging. Mulching is advised.
Chilli	Flowering stage	No rainfall ; irrigate regularly to avoid flower drop. Monitor for thrips and mites due to dry conditions.
Cabbage	Head formation	No rainfall ; light irrigation is needed. Regularly check for diamondback moth infestation.
Cauliflower	Head formation	No rainfall ; keep the soil moist for better head development. Monitor for aphids and caterpillars.
Coffee	Berry development (post-harvest maintenance)	No rainfall ; provide protective irrigation. Mulching and shade tree management are recommended. Avoid excessive pruning.
Arecanut	Fruiting/maturity	No rainfall ; irrigate at 10-15 day intervals to support nut filling. Protect from mites and spindle bug infestations.
Coconut	Nut development	No rainfall ; apply irrigation to prevent nut drop. Use organic mulches to retain soil moisture. Keep palms free from rugose whitefly.
Pepper	Fruiting	No rainfall ; maintain soil moisture through light irrigation. Provide shade and mulch. Check for pollu beetle infestations.
Cardamom	Maintenance/post-harvest phase	No rainfall ; irrigate if needed. Mulching helps in moisture retention. Maintain shade trees.
Banana	Bunch development	No rainfall ; irrigate regularly to avoid fruit shrinkage. Provide propping support to avoid lodging due to dry winds.
Citrus fruits	Harvesting	No rainfall ; complete harvesting early morning. Irrigation should be provided to trees to avoid moisture stress.

Sapota	Fruiting/harvest	No rainfall; irrigate to maintain fruit quality. Timely harvesting is advised to prevent fruit cracking.
Guava	Fruiting	No rainfall; irrigate adequately to maintain fruit size and quality. Mulching can be beneficial.
Ginger	Harvesting	No rainfall; harvesting should be completed in early hours. Ensure proper curing and drying of rhizomes.
Turmeric	Harvesting	No rainfall; complete harvesting and ensure proper drying under shade. Maintain storage conditions to prevent rhizome rot.

Livestock specific advisory

Category	Advisory
Livestock	Provide dry bedding, avoid exposure to morning cold, and ensure good ventilation in sheds. Offer slightly warm drinking water during mornings and evenings. Maintain cleanliness, use fly traps or repellents. Monitor for respiratory issues; increase energy-rich feed.
Poultry	Cover sheds at night, provide warm drinking water, and use brooders for chicks. Ensure good air circulation but block cold drafts. Add energy supplements (e.g., maize) to feed. Remove litter regularly and use approved fly traps or sprays.

Block level weather forecast (From 19-02-2025 to 23-02-2025)

Madikeri

Parameter	19.02.2025	20.02.2025	21.02.2025	22.02.2025	23.02.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	32.9	33.4	33.5	33.2	33.2
Min.Temp (°C)	17.1	17.1	17.8	17.7	18.1
Sky condition (Octas)	91.6	93.1	95.5	88.3	88.2
Relative humidity (%) 0830 hours	20.5	20.8	28.5	24.6	28.8
Relative humidity (%) 1730 hours	2	1	1	1	2
Wind Speed (kmph)	1.6	1.9	1.9	3	1.6
Wind Direction	63.4	68.2	68.2	76	116.6

Somvarpet

Parameter	19.02.2025	20.02.2025	21.02.2025	22.02.2025	23.02.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	32.8	33.2	33.2	33.2	32.7
Min.Temp (°C)	17.2	17.4	17.4	17.6	17.9
Sky condition (Octas)	91.3	93.7	93.9	86.6	84.8
Relative humidity (%) 0830 hours	19.7	20	28.6	23.2	27.9
Relative humidity (%) 1730 hours	3	1	1	1	2

Wind Speed (kmph)	3.1	2.6	3.2	4.2	3.1
Wind Direction	110.6	106	116.6	110	110.6

Virajpet

Parameter	19.02.2025	20.02.2025	21.02.2025	22.02.2025	23.02.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	33.9	34.5	34.6	34.1	34.4
Min.Temp (°C)	18.4	18.5	18.8	19.1	19
Sky condition (Octas)	94.7	97.5	97.4	93.2	91.3
Relative humidity (%) 0830 hours	26.6	28.6	38.2	37.5	32.8
Relative humidity (%) 1730 hours	2	1	0	3	2
Wind Speed (kmph)	3.6	3.6	3.1	3.4	2.3
Wind Direction	53.1	53.1	54.4	58	51.3

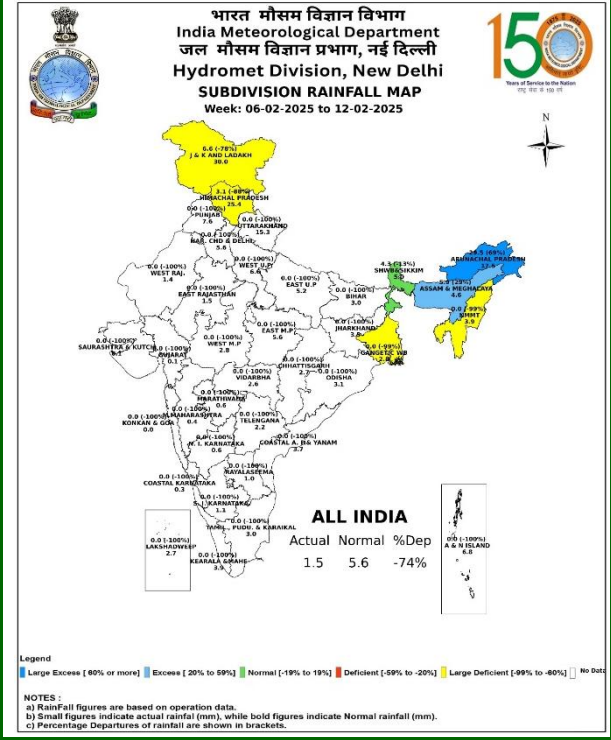
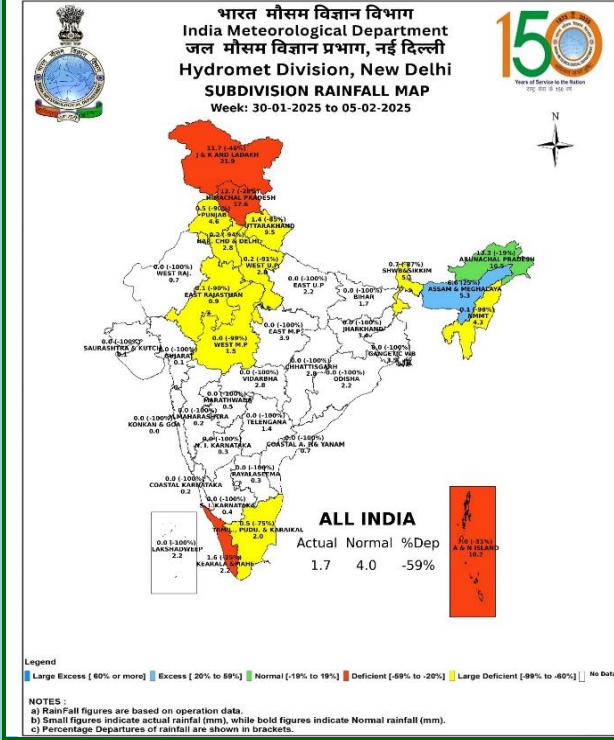
- Download “**DAMINI**” app to get early warning on lightening and take precautions based on the alert given by the application.
- Kindly download “**MAUSAM**” APP for location specific forecast & warning & “**MEGHDOOT**” APP for Agromet advisory
- This information is available in the website: mausam.imd.gov.in

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

AMFU of IMD,
Naganahalli, Mysuru

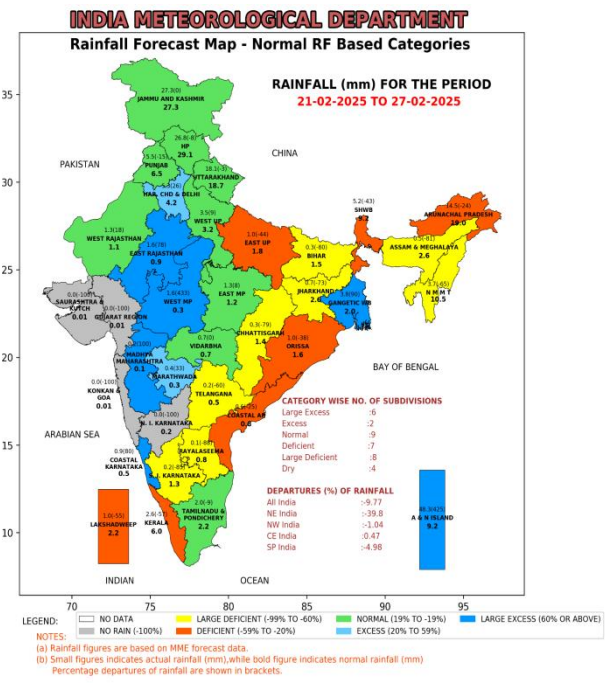
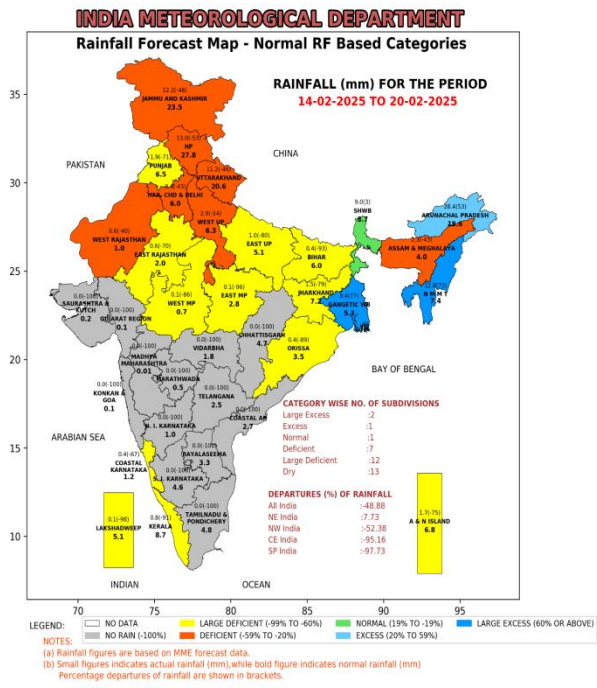
वास्तविक वर्षा तथा विस्तारित अवधि पूर्वानुमान
Realized Rainfall and Extended Range Forecast
 (वर्षा और तापमान)
 (Rainfall and Temperature)

Realized Rainfall
 (30th January to 12th February, 2025)



Extended Range Forecast System

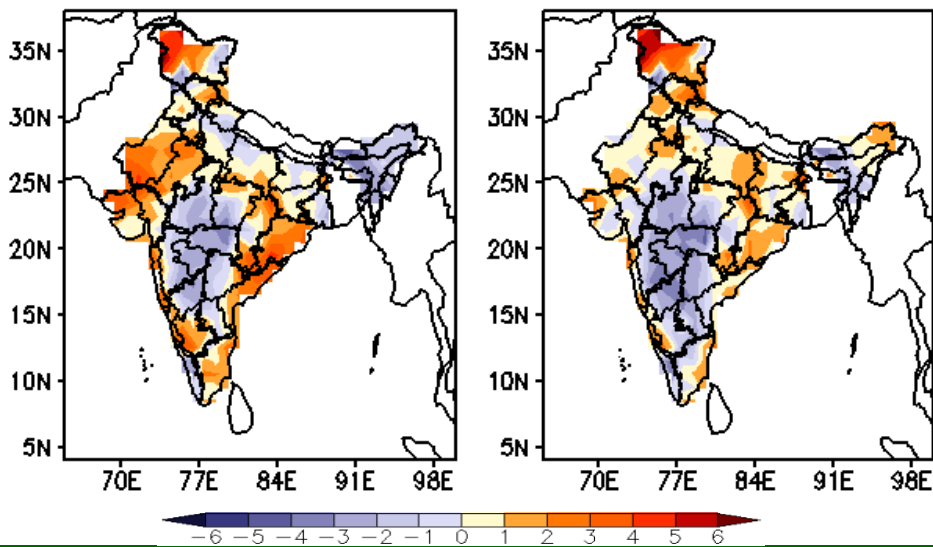
Rainfall forecast maps for the next 2 weeks (IC- 12thFebruary,2025) (14th to 27thFebruary, 2025)



- **Week1(14.02.2025 to 20.02.2025):**Rainfall is likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Arunachal Pradesh, Nagaland Manipur Mizoram & Tripura and Gangetic West Bengal.
- **Week 2 (21.02.2025 to 27.02.2025):**Rainfall is likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand and Arunachal Pradesh.

Maximum and Minimum temperature anomaly (°C) forecast for the next 2 weeks (IC- 12thFebruary,2025) (14th to 27th February, 2025)

MME forecast Tmax anomaly (Deg C) (Week 1: 14Feb–20Feb) (Week 2: 21Feb–27Feb)



- **Week 1 (14.02.2025 to 20.02.2025):** Maximum temperature is likely to be above normal

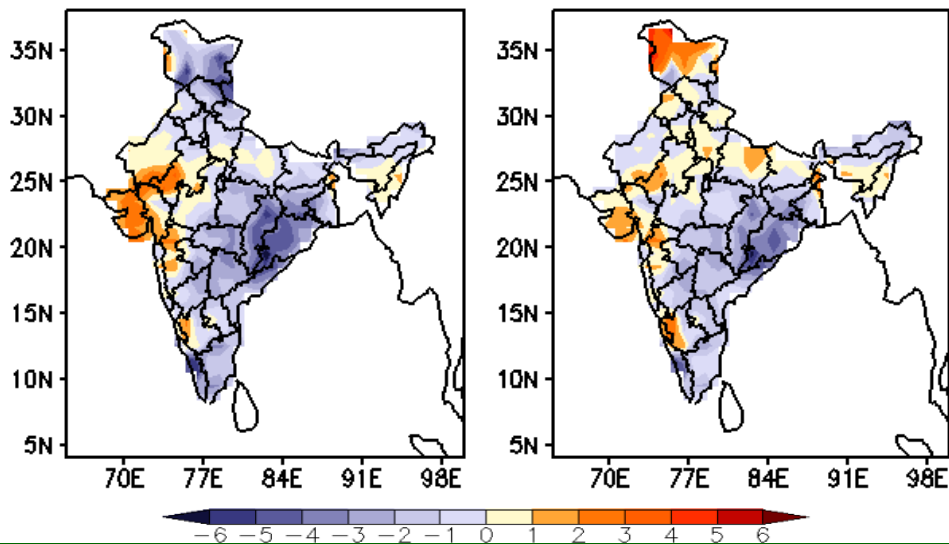
over Odisha, Gujarat, many parts of North West India, South India, Chhattisgarh and Konkan-Goa. However, it is likely to be below normal over North East India, many parts of Central India and parts of West India, South India and Uttar Pradesh.

- **Week 2 (21.02.2025 to 27.02.2025):** Maximum temperature is likely to be above normal over East India, North West India, many parts of North East India, some parts of South India, Gujarat, Konkan-Goa and Chhattisgarh. However, it is likely to be below normal over many parts of Central India & South India, some parts of West India and North East India.

MME forecast Tmin anomaly (Deg C)

(Week1: 14Feb–20Feb)

(Week2: 21Feb–27Feb)



Minimum Temperature (Tmin)

- **Week 1 (14.02.2025 to 20.02.2025):** Minimum temperature is likely to be below normal over most parts of the country. However, it is likely to be above normal over Gujarat, many parts of Rajasthan and some parts of Madhya Maharashtra and Karnataka.
- **Week 2 (21.02.2025 to 27.02.2025):** Minimum temperature is likely to be below normal over Central India, many parts of East India and South India. However, it is likely to be above normal over many parts of North West India, Gujarat, Madhya Maharashtra and some parts of Karnataka.