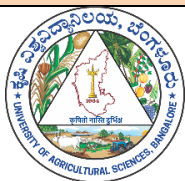


**UNIVERSITY OF AGRICULTURAL SCIENCES, BENGALURU &
INDIA METEOROLOGICAL DEPARTMENT**



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Bengaluru – 560 065**



Date:12-12-2025

AGRO-ADVISORY BULLETIN FOR CHIKKABALLAPURA DISTRICT

Issued jointly by UAS, Bangalore & Indian Meteorological Department

Past Weather Data (08-12-2025 to 12-12-2025)

Parameter	08.12.2025	09.12.2025	10.12.2025	11.12.2025	12.12.2025
Rainfall (mm)	0	0	0	0	0
Max. Temp. (°C)	26.8	26.8	27.8	28.2	27.2
Min. Temp. (°C)	11.8	12.4	17.2	10.6	10.4
Sky condition (Octas)	6	6	6	6	6
Relative humidity (%) 0830 hours	83	76	82	77	83
Relative humidity (%) 1730 hours	95	96	96	96	95
Wind Speed (km/h)	2	2	2	2	2
Wind Direction	50	50	50	50	50



Weather forecast for the next five days (From 13-12-2025 to 17-12-2025)

Parameter	13.12.2025	14.12.2025	15.12.2025	16.12.2025	17.12.2025
Rainfall (mm)	0	0	0	0	0
Max. Temp. (°C)	27	27	28	28	27
Min. Temp. (°C)	10	10	11	11	12
Sky condition (Octas)	1	2	0	0	1
Relative humidity (%) 0830 hours	82	81	80	82	81
Relative humidity (%) 1730 hours	32	28	35	49	53
Wind Speed (kmph)	4	6	4	6	4
Wind Direction	81	122	118	119	103

Forecast Summary

As forecast received from IMD, cloudy sky with **No rain** expected from **13.12.2025 to 17.12.2025** in Chikkaballapura District. The day temperature is expected to be **27.0-28.0°C** and night temperature is expected to be **10.0-11.0°C**. The relative humidity in the morning hours is expected to be 80-82 % and afternoon relative humidity is expected to be in the range of 32-53 %, Wind speed is expected to be 4-6 km/hr.

SMS Advisory

Cold wave condition prevails for next 2 days. Cloudy weather, cool nights may increase fungal disease risk—monitor crops closely and ensure fields have good drainage.



Recommendations to the farmers: -

Crop	Pest/Disease	Damage symptoms	Control measures	
General Advisory:				
Field Crops				
1. Right time for harvesting, drying, cleaning and storage of kharif crops. 2. Apply neem leaves/neem powder in grain bags as a natural repellent. 3. For long-term storage of pulses, store with tri-sodium phosphate (TSP) treated gunny sacks to reduce bruchid attack.				
Vegetables & Horticulture				
1. Stake/support tomato, chilli, and creepers against lodging due to winds. 2. Watch for fruit borer and shoot borer in fruit development stage. 3. Spray the chemicals early morning and late evening for better pest and disease control.				
Livestock & Poultry				
1. Give dry fodder and provide shelter to animals in evening higher humidity. 2. Maintain hygiene in sheds to prevent infections.				

Crop	Stage	Weather-Based Agromet Advisory	
Ragi	Harvesting stage	Harvest finger millet when ear heads turn brown and grains become hard, preferably during clear and dry weather to avoid shattering losses. Dry the harvested ear heads on clean tarpaulins until grain moisture reaches about 12%.	
Redgram	Pod development and maturity stage	Cloudy and humid weather may increase Pod borer and Sterility mosaic incidence. To control of fruit borer in redgram to spray Indoxacarb 14.5 SC @ 0.5 ml/litre of water or spray Chlorantraniliprole 8.5 SC @ 0.3 ml/litre of water	
Maize	Post harvest	Ensure quick drying of harvested crop. Store grains at 12% moisture or below. Store grains in air-tight, moisture-proof bags (HDPE, PICS, or gunny bags with polyliners).	
Sunflower	Post harvest	Ensure quick drying of harvested crop. Spread seeds thinly and sun-dry for 1–2 days until seed moisture reaches 8–10% .	
Tomato	Fruit development	Higher humidity increases late blight and fruit borer incidence. Spray Copper oxychloride @2 g/l of water or Metalaxyl + Mancozeb @2 g/l of water. Drench Trichoderma harzianum biopesticide 5 g/l of water. Install pheromone traps (10/acre). Avoid excessive nitrogen and sprinkler irrigation.	
Cowpea	Flowering and pod development stage	To control of Aphids to spray Dimethoate 30 EC @ 1.75 ml/liter of water	
Field bean	Flowering and pod development stage	To control of Aphids to spray Dimethoate 30 EC @ 1.75 ml/liter of water. Pod borer control spray Chlorantraniliprole 0.3 ml/litre of water.	

Chilli	Fruit development stage	Spray Carbendazim 1 g/l of water or Copper oxychloride 2.5 g/l of water for anthracnose. For thrips, use Fipronil 1 g/l of water or Neem oil 3 ml/l of water. Avoid water stagnation in crop field.
Rose	Flowering stage	Powdery mildew <i>Trichoderma spp./Bacillus subtilis</i> foliar spray @5 g/l of water Chemical control: Spray Wettable Sulphur @ 2 g/litre Spray Imidacloprid 17.8 SL @ 0.3 ml/litre for control of aphids Install the sticky yellow traps to reduce the pest population.
Guava	Fruit development	Fruit fly (<i>Bactrocera spp.</i>) spray entomopathogenic fungus (<i>Beauveria bassiana</i>) @ 10 g/litre water on infested fruits. Use Methyl eugenol traps (10/acre) for fruit fly. Spray Imidacloprid 0.3 ml/L for control of aphids and mealy bug infestation.
Mango		Apply Zinc sulphate (3 g/L) + Boric acid (1 g/L) once in November to improve flower bud formation. 1. Maintain stress conditions (no irrigation) for flowering induction.

Livestock, Poultry, and Sericulture Advisory (Very light Rainfall & High Temperature)	
Sector	Weather-Based Advisory
Livestock	1. Provide dry and clean shelter; avoid animals standing in wet areas. 2. Provide ample clean drinking water. 3. Monitor for tick and mite infestations; use approved acaricides if needed. 4. Provide balanced feed and mineral supplements. 5. Minimum temperatures cause cold stress in young calves/kids. Provide bedding (dry straw) and night shelter to reduce cold exposure.
Sericulture	Humid and rainy conditions increase grasserie, flacherie and fungal diseases 1. Maintain proper rearing house hygiene, clean and disinfect trays. 2. The recommendation of farmers closes the windows with tarpaulins sheet during night hours to maintain optimum room temperature. 3. Avoid wet or damp mulberry leaves, use air-dried or well-drained leaves.
Poultry	1. Cool early mornings need brooder temperature maintenance for chicks. 2. Maintain poultry shed dryness; use lime powder to reduce moisture. 3. Provide electrolytes + vitamins in water for immunity. 4. Cool, humid mornings favor: CRD (Chronic Respiratory Disease), Coccidiosis, Colibacillosis- Follow routine vaccinations strictly (Ranikhet, IBD). 5. Maintain optimum lighting schedule to support winter egg production.

Block level weather forecast (From 13-12-2025 to 17-12-2025)					
BAGEPALLI BLOCK					
Parameter	13.12.2025	14.12.2025	15.12.2025	16.12.2025	17.12.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	26	26	26	25	26

Min.Temp (°C)	13	13	13	14	17
Sky condition (Octas)	0	2	3	2	4
Relative humidity (%) 0830 hours	92	89	90	88	92
Relative humidity (%) 1730 hours	32	28	33	45	51
Wind Speed (kmph)	5	7	9	8	7
Wind Direction	90	122	125	111	101

CHIKKABALLAPURA BLOCK					
Parameter	13.12.2025	14.12.2025	15.12.2025	16.12.2025	17.12.2025
Rainfall (mm)	0	0	0	0	1
Max. temp (°C)	25	25	25	25	24
Min.Temp (°C)	11	11	11	11	16
Sky condition (Octas)	0	2	2	2	4
Relative humidity (%) 0830 hours	96	96	94	90	98
Relative humidity (%) 1730 hours	35	26	31	35	66
Wind Speed (kmph)	4	6	7	7	8
Wind Direction	42	79	84	72	80

CHINTAMANI BLOCK					
Parameter	13.12.2025	14.12.2025	15.12.2025	16.12.2025	17.12.2025
Rainfall (mm)	0	0	0	0	1
Max. temp (°C)	25	25	25	24	25
Min.Temp (°C)	12	12	12	13	16
Sky condition (Octas)	1	2	3	2	5
Relative humidity (%) 0830 hours	95	94	94	90	93
Relative humidity (%) 1730 hours	35	29	36	47	60
Wind Speed (kmph)	5	4	5	5	6
Wind Direction	27	56	86	58	60

GAURIBIDANUR BLOCK					
Parameter	13.12.2025	14.12.2025	15.12.2025	16.12.2025	17.12.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	27	27	27	26	27
Min.Temp (°C)	12	13	13	14	16
Sky condition (Octas)	1	2	2	2	4
Relative humidity (%) 0830 hours	92	89	89	87	92
Relative humidity (%) 1730 hours	27	24	28	40	49
Wind Speed (kmph)	4	5	6	6	5
Wind Direction	79	124	121	112	98

GUDIBANADA BLOCK					
Parameter	13.12.2025	14.12.2025	15.12.2025	16.12.2025	17.12.2025
Rainfall (mm)	0	0	0	0	1
Max. temp (°C)	26	26	26	26	26
Min.Temp (°C)	11	11	12	12	16
Sky condition (Octas)	0	2	2	2	4
Relative humidity (%) 0830 hours	93	93	92	87	97
Relative humidity (%) 1730 hours	34	26	31	36	58
Wind Speed (kmph)	4	7	9	8	8
Wind Direction	90	114	116	105	97

SIDLAGHATTA BLOCK					
Parameter	13.12.2025	14.12.2025	15.12.2025	16.12.2025	17.12.2025
Rainfall (mm)	0	0	0	0	1
Max. temp (°C)	26	25	26	25	25
Min.Temp (°C)	12	12	12	13	16
Sky condition (Octas)	1	2	3	2	5
Relative humidity (%) 0830 hours	94	93	92	90	92
Relative humidity (%) 1730 hours	31	26	33	44	59
Wind Speed (kmph)	7	6	7	7	8
Wind Direction	39	62	78	68	68

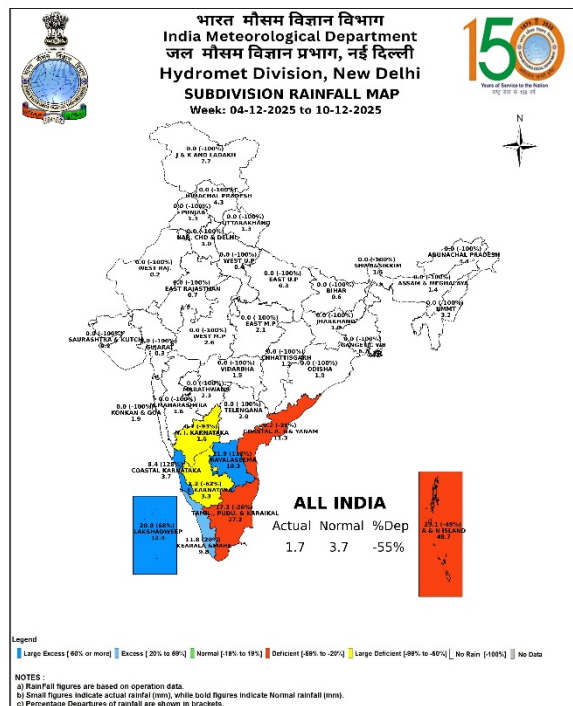
- Download “**DAMINI**” app to get early warning on lightening and take precautions based on the alert given by the application.
- Kindly download “**MAUSAM**” APP for location specific forecast & warning & “**MEGHDOOT**” APP for Agromet advisory
- This information is available in the website: mausam.imd.gov.in

For any information farmers can contact **Dr. M. N. Thimmegowda**, Professor & Head/
Mr. L. Nagesha, Technical officer over phone No. **9741109702/ 9008454142**

AMFU of IMD,
AICRP-AM, Bengaluru

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

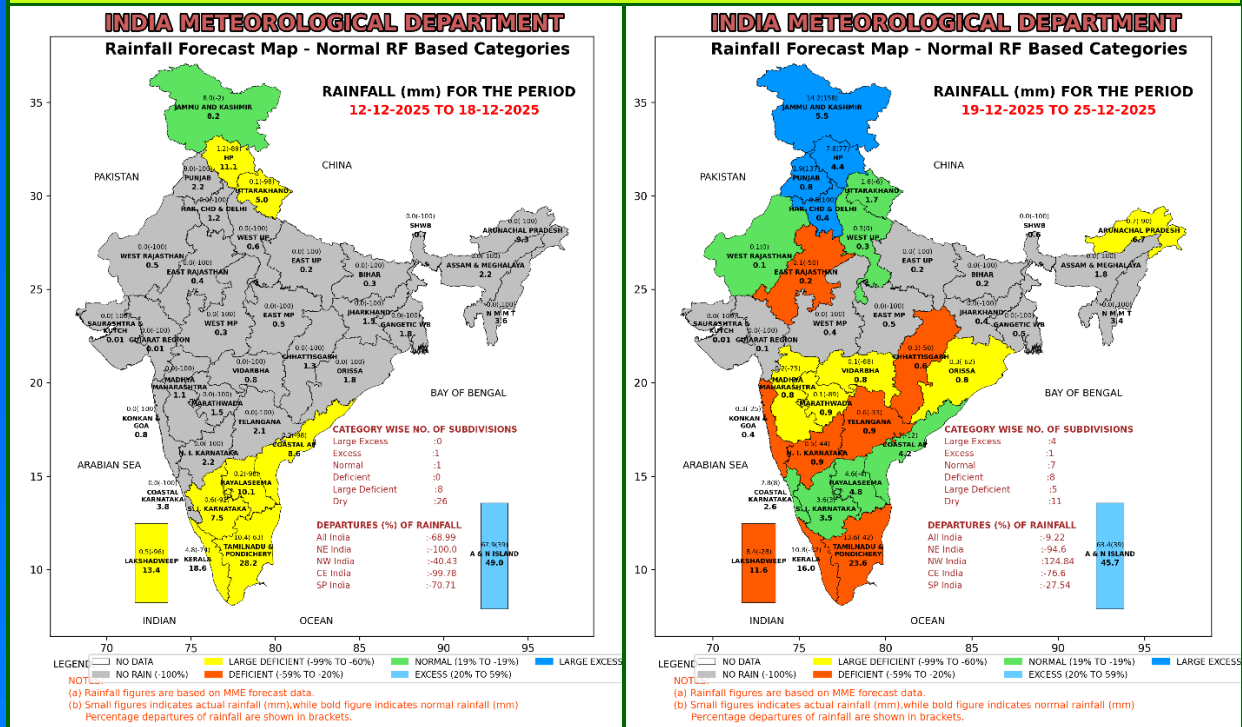
Realized Rainfall
(20th November to 03rd December, 2025)



- Normal or above normal rainfall occurred in both the weeks over Rayalaseema and Kerala & Mahe.
- Normal or above normal rainfall occurred in either of the two weeks over Coastal Andhra Pradesh, Tamil Nadu Karaikal & Puducherry, Coastal Karnataka and Lakshadweep.
- Below Normal rainfall / No rain occurred in both the weeks over rest of the States & UTs.

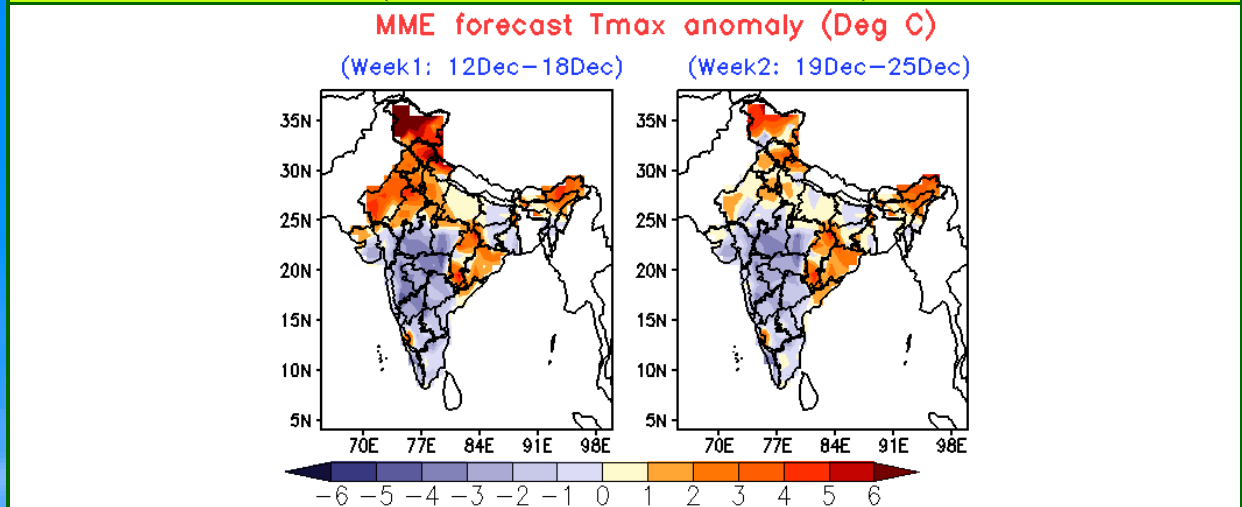
Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC- 10th December, 2025) (12th December to 25th December, 2025)



- **Week 1 (12.12.2025 to 18.12.2025):** Rainfall activity is likely over Jammu & Kashmir, Tamil Nadu and some parts of Kerala.
- **Week 2 (19.12.2025 to 25.12.2025):** Rainfall activity is likely over Jammu & Kashmir, Himachal Pradesh, Tamil Nadu, Kerala and some parts of Andhra Pradesh. Rainfall is likely to be above normal over Jammu & Kashmir.

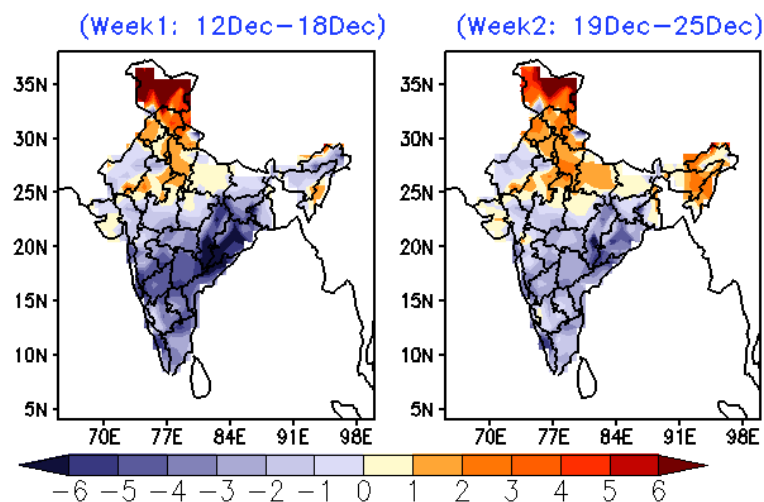
Maximum and Minimum temperature anomaly (°C) forecast for the next 2 weeks (IC- 10th December, 2025) (12th December to 25th December, 2025)



Maximum Temperature (Tmax)

- **Week 1 (12.12.2025 to 18.12.2025):** Maximum temperature is likely to be above normal over North West India, Chhattisgarh, Odisha, Arunachal Pradesh, Assam, North Coastal Andhra Pradesh and some parts of South Karnataka. However, it is likely to be below normal over many parts of Central India, West India, South India and East India.
- **Week 2 (19.12.2025 to 25.12.2025):** Maximum temperature is likely to be above normal over North West India, Chhattisgarh, Odisha, Arunachal Pradesh, Assam, North Coastal Andhra Pradesh and some parts of South Karnataka. However, it is likely to be below normal over many parts of Central India, West India, South India and Bihar.

MME forecast Tmin anomaly (Deg C)



Minimum Temperature (Tmin)

- **Week 1 (12.12.2025 to 18.12.2025):** Minimum temperature is likely to be above normal over many parts of North West India. However, it is likely to be below normal over rest of the country.
- **Week 2 (19.12.2025 to 25.12.2025):** Minimum temperature is likely to be above normal over many parts of North West India and North East India. However, it is likely to be below normal over West Rajasthan, Central India and many parts of East India, South India and West India.