

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



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AICRP- Agrometeorology, UAS,GKVK
Bengaluru – 560 065**



Date:30-12-2025

**AGRO-ADVISORY BULLETIN FOR BENGALURU RURAL DISTRICT
Issued jointly by UAS, Bangalore & Indian Meteorological Department**

Past Weather Data (26-12-2025 to 30-12-2025)

Parameter	26.12.2025	27.12.2025	28.12.2025	29.12.2025	30.12.2025
Rainfall (mm)	-	-	-	-	-
Max. Temp. (°C)	-	-	-	-	-
Min. Temp. (°C)	-	-	-	-	-
Sky condition (Octas)	-	-	-	-	-
Relative humidity (%) 0830 hours	-	-	-	-	-
Relative humidity (%) 1730 hours	-	-	-	-	-
Wind Speed (km/h)	-	-	-	-	-
Wind Direction	-	-	-	-	-



Weather forecast for the next five days (From 31-12-2025 to 04-01-2026)

Parameter	31.12.2025	01.01.2026	02.01.2026	03.01.2026	04.01.2026
Rainfall (mm)	0	1	1	0	0
Max. Temp. (°C)	28	27	28	28	28
Min. Temp. (°C)	17	16	17	16	17
Sky condition (Octas)	3	4	3	2	1
Relative humidity (%) 0830 hours	84	85	84	85	83
Relative humidity (%) 1730 hours	38	37	36	35	38
Wind Speed (kmph)	4	6	4	6	4
Wind Direction	70	127	148	111	106

Forecast Summary

As forecast received from IMD, cloudy sky with **No rain** expected from **31.12.2025 to 04.01.2026** in Bengaluru Rural District. The day temperature is expected to be **27.0-28.0°C** and night temperature is expected to be **16.0-17.0°C**. The relative humidity in the morning hours is expected to be **83-85 %** and afternoon relative humidity is expected to be in the range of **35-38 %**, Wind speed is expected to be **4-6 km/hr**.

SMS Advisory

Avoid pruning, fertilizer application and growth regulator sprays during cold wave conditions. 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
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General Advisory:

Field Crops

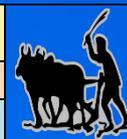
1. Right time for harvesting, drying, cleaning and storage of Rabi crops.
2. Apply **neem leaves/neem powder** in grain bags as a natural repellent.
3. For long-term storage of pulses, store with **tri-sodium phosphate (TSP) treated** gunny sacks to reduce bruchid attack.

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	Post harvest	Dry the harvested ear heads on clean tarpaulins until grain moisture reaches about 12%.
Redgram	Harvesting and Post harvest stage	Harvest the matured pod or whole dry plants and dry in 3-4 days and separate the seeds and store in cool places The grain moisture reaches about 14%.
Maize	Post harvest	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	Harvesting and Post harvest stage	Harvest the matured pod and dry in clean tarpaulins until grain moisture reaches about 15%.
Field bean	Harvesting and Post harvest stage	Harvest the matured pod and dry in clean tarpaulins until grain moisture reaches about 15%.
Chilli	Fruit development and maturity 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. Apply UV-stabilized weed mats around crop rows or tree basins to effectively block sunlight and suppress weed growth.

Livestock, Poultry, and Sericulture Advisory	
Sector	Weather-Based Advisory
Livestock	<ol style="list-style-type: none"> 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	<p>Humid and rainy conditions increase grasserie, flacherie and fungal diseases</p> <ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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 31-12-2025 to 01-01-2026)					
DEVANAHALLI BLOCK					
Parameter	31.12.2025	01.01.2026	02.01.2026	03.01.2026	04.01.2026
Rainfall (mm)	0	1	1	0	0
Max. Temp (°C)	28	28	28	28	28
Min.Temp (°C)	16	18	18	18	16
Sky condition (Octas)	4	3	3	2	2
Relative humidity (%) 0830 hours	92	89	91	89	89
Relative humidity (%) 1730 hours	36	42	43	40	33
Wind Speed (kmph)	6	8	5	12	10
Wind Direction	50	107	160	110	109

DODDABALLAPURA BLOCK

Parameter	31.12.2025	01.01.2026	02.01.2026	03.01.2026	04.01.2026
Rainfall (mm)	0	1	1	0	0
Max. Temp (°C)	28	28	28	28	28
Min.Temp (°C)	16	18	18	18	17
Sky condition (Octas)	4	3	3	3	2
Relative humidity (%) 0830 hours	90	87	88	86	85
Relative humidity (%) 1730 hours	37	41	42	40	33
Wind Speed (kmph)	5	8	7	14	9
Wind Direction	74	117	174	121	114

HOSKOTE BLOCK

Parameter	31.12.2025	01.01.2026	02.01.2026	03.01.2026	04.01.2026
Rainfall (mm)	0	1	1	0	0
Max. Temp (°C)	28	28	28	28	28
Min.Temp (°C)	16	18	18	17	16
Sky condition (Octas)	4	3	3	2	2
Relative humidity (%) 0830 hours	93	90	91	89	90
Relative humidity (%) 1730 hours	36	42	43	42	34
Wind Speed (kmph)	6	7	5	12	10
Wind Direction	50	111	160	112	112

NELAMANGALA BLOCK

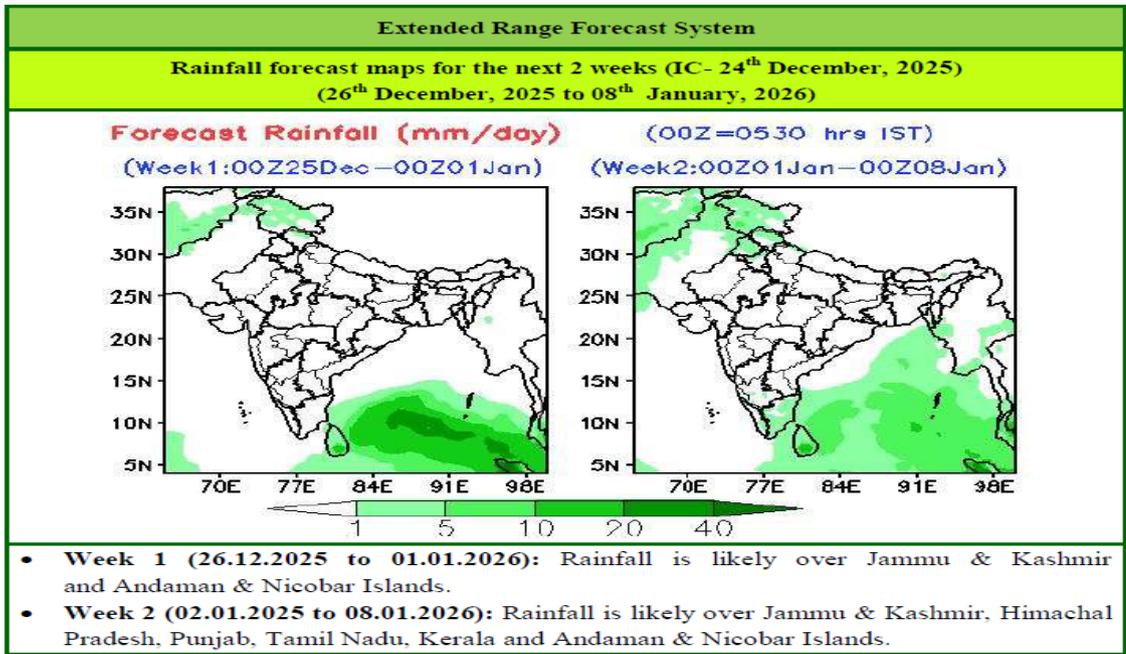
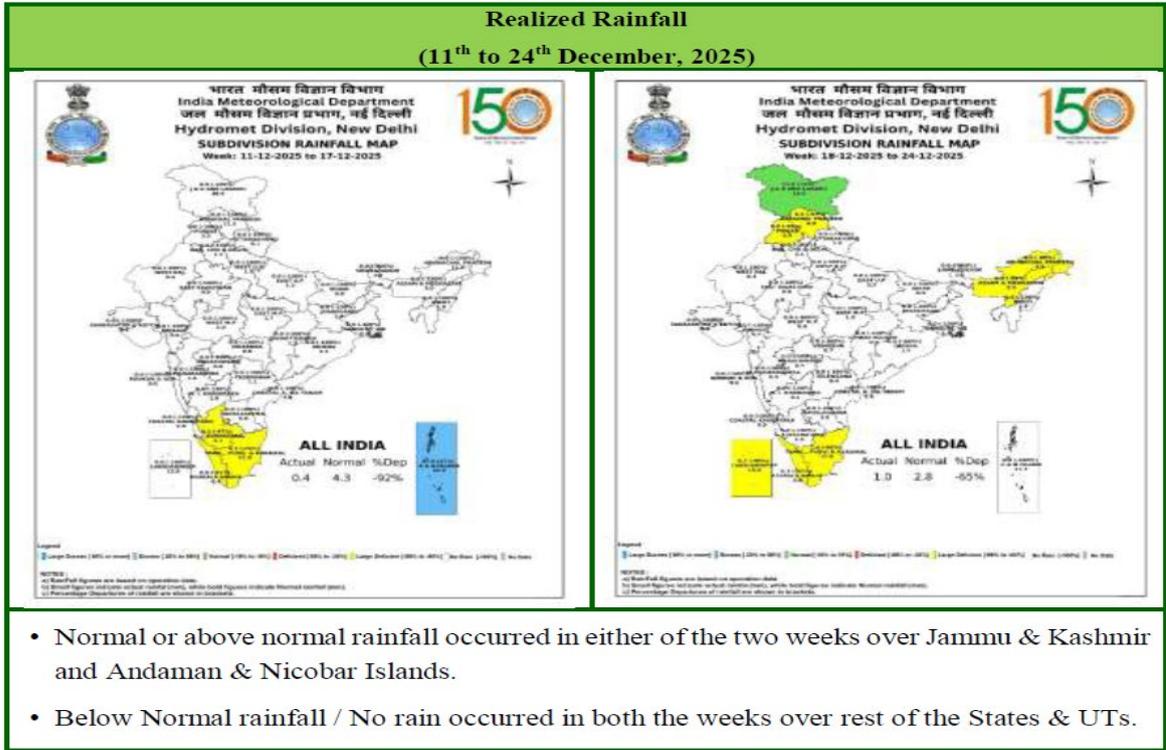
Parameter	31.12.2025	01.01.2026	02.01.2026	03.01.2026	04.01.2026
Rainfall (mm)	0	1	1	0	0
Max. Temp (°C)	28	28	28	28	28
Min.Temp (°C)	17	18	19	18	17
Sky condition (Octas)	3	3	2	2	2
Relative humidity (%) 0830 hours	90	90	91	84	81
Relative humidity (%) 1730 hours	39	43	43	39	31
Wind Speed (kmph)	6	8	9	12	12
Wind Direction	79	103	133	108	90

- 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](tel:9741109702)/ [9008454142](tel:9008454142)

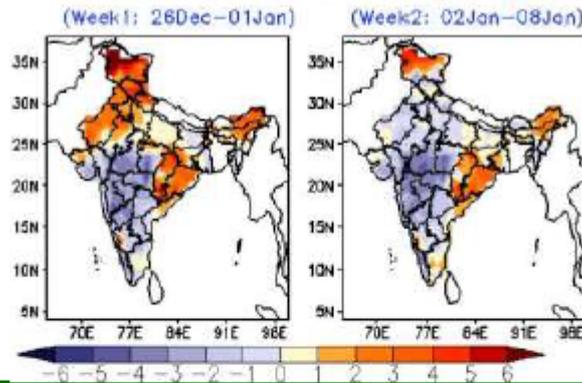
AMFU of IMD,
AICRP-AM, Bengaluru

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



**Maximum and Minimum temperature anomaly (°C) forecast
for the next 2 weeks (IC- 24th December, 2025)
(26th December, 2025 to 08th January, 2026)**

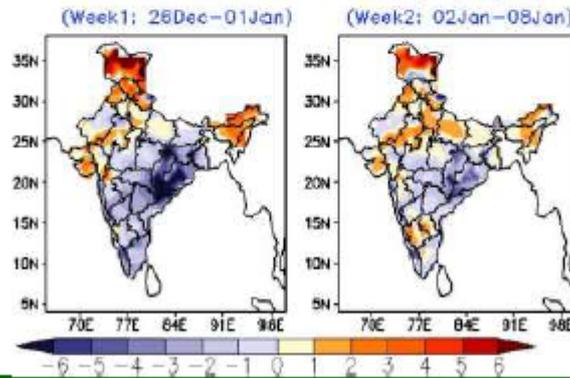
MME forecast Tmax anomaly (Deg C)



Maximum Temperature (Tmax)

- **Week 1 (26.12.2025 to 01.01.2026):** Maximum temperature is likely to be above normal over North West India, North East India, Chhattisgarh, Odisha and North Coastal Andhra Pradesh. However, it is likely to be below normal over many part of Central India, West India and South India.
- **Week 2 (02.01.2025 to 08.01.2026):** Maximum temperature is likely to be above normal over Jammu & Kashmir, Chhattisgarh, Odisha, Arunachal Pradesh, Assam, some parts of Gangetic West Bengal, Tamil Nadu and Coastal Andhra Pradesh. However, it is likely to be below normal over many parts of North West India, Central India, West India, Telangana, North Karnataka, Kerala and Andhra Pradesh.

MME forecast Tmin anomaly (Deg C)



Minimum Temperature (Tmin)

- **Week 1 (26.12.2025 to 01.01.2026):** Minimum temperature is likely to be below normal over East India, Central India, Maharashtra and South India and above normal over North West India, North East India, Gujarat and parts of Bihar.
- **Week 2 (02.01.2025 to 08.01.2026):** Minimum temperature is likely to be below normal over Odisha, Chhattisgarh, Telangana, Coastal Andhra Pradesh and many parts of Maharashtra. However, it is likely to be above normal over many parts of North West India, North East India, Gujarat, Bihar and Karnataka.