` UNIVERSITY OF AGRICULTURAL SCIENCES, BENGALURU &
INDIA METEOROLOGICAL DEPARTMENT

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Bengaluru – 560 065

Date: 17-07-2026

AGRO-ADVISORY BULLETIN FOR BENGALURU RURAL DISTRICT

Issued jointly by UAS, Bangalore & Indian Meteorological Department

Past Weather Data (13-07-2026 to 17-07-2026)

Parameter	13.07.2026	14.07.2026	15.07.2026	16.07.2026	17.07.2026
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 18-07-2026 to 22-07-2026)

Parameter	18.07.2026	19.07.2026	20.07.2026	21.07.2026	22.07.2026
Rainfall (mm)	2	2	1	0	0
Max. Temp. (°C)	30	31	30	31	30
Min. Temp. (°C)	21	22	21	22	21
Sky condition (Octas)	7	7	7	5	6
Relative humidity (%) 0830 hours	81	84	83	84	84
Relative humidity (%) 1730 hours	56	55	57	58	56
Wind Speed (kmph)	8	8	6	8	8
Wind Direction	263	267	269	360	273

Forecast Summary

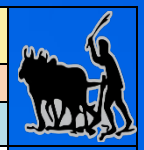
As forecast received from IMD, cloudy sky with Light rainfall forecasted from 18th to 20th July 2026 and No rainfall forecasted from 21st to 22nd July 2026 in Bengaluru Rural District. The day temperature is expected to be 30.0-31.0°C and night temperature is expected to be 21.0-22.0°C. The relative humidity in the morning hours is expected to be 81-84 % and afternoon relative humidity is expected to be in the range of 55-58 %, Wind speed is expected to be 6-8 km/hr.

SMS Advisory

Apply a 1% Potassium chloride spray on the foliage before the kharif crops begin to show early symptoms of wilting. This helps improve the plants' drought tolerance and effectively mitigates moisture stress.

Recommendations to the farmers: -

Crop	Pest/Disease	Damage symptoms	Control measures



General Advisory:

Field Crops

1. **Land preparation:** Perform ploughing and levelling the land for kharif crop sowing.
2. **Germination Testing:** It is recommended to conduct a germination test on all procured seeds before sowing them in the field.
3. **In-situ Moisture Conservation:** Repair and strengthen field bunds to prevent runoff and ensure every drop of early monsoon rain is retained in the soil.

Vegetables & Horticulture

1. One or two protective irrigations recommended to early sown crops
2. Spray the chemicals early morning and late evening for better pest and disease control.

Pushya rain star starts from July 20th and remains up to August 2nd. The normal rainfall of Pushya rain star is 56.4 mm.

				Quantity Kg/acre					Qty. gm/acre seed	
Sl. No	Crops	Varieties	Time of sowing	Seeds	Urea	DAP	Pottash	Gypsum	Rhizobium	PSB
1	Redgram	BRG-1,2,3,4 and 5 , TTB-7, ICP-7035 and HY 3C	May 15th - 15th July	Mono crop 5-6 kg Mixed crop 3 kg	10	20	10		200	200
2	Sunflower	KBSH-41,42,44,53 and 78	June - July	2 Kg	36	36	25	-	Azatobactor 150 gm	--

Crop	Stage	Pest and Diseases	Weather-Based Agromet Advisory
Kharif land preparation			Procure high-quality seeds and fertilizers for the Kharif sowing season. Ploughing across the slope will make insitu soil moisture conservation. Land preparation for sowing of kharif crops is advised to farmers
Redgram **Maize**			Postpone sowing operation until sufficient soil moisture available in crop field.

Groundnut **Sunflower**	Sowing, early vegetative		Intercultural operation is recommended. Thinning plant population Mulching is recommended for conserve the soil moisture. One or two protective irrigations is advisable.
Chrysanthemum	Flowering	Aphids	Avoid overhead sprinkler irrigation to protect the open flower blooms from rotting. Instead, apply light drip irrigation at the base, and lay down organic mulch (crop residues/dry straw) to prevent soil moisture evaporation. Spraying a **1% Potassium Nitrate solution** (10 g per liter of water) increases the flower size and enhances its post-harvest shelf life
Grapes	Vegetative stage	Thrips	Install Blue Sticky Traps (15/acre). Spray Spinosad @ 0.3ml/ l of water or Neem Oil @ 3ml/ l of water Apply recommended nitrogen and magnesium sulphate fertilizers in split doses for vigorous vegetative growth.
Tomato	Fruit development stage	Mites and fruit borer	Continue irrigation at regular intervals. Watch for mites and fruit borer incidence under dry conditions. Spray calcium nitrate (0.5%) to reduce blossom end rot incidence. Avoid excessive nitrogen during fruiting stage.
Rose	Flowering stage	Aphids	Maintain regular irrigation at 4-6 days intervals. Avoid moisture stress to ensure good bud size and quality. To control,of aphids in rose to spray Dimethoate 30 EC@ 1.7 ml/ litre of water.
Guava	Fruit development and maturity stage	Fruit fly	Apply recommended dose of potash to improve fruit size and quality. Foliar spray of micronutrients (Zn + Boron) if deficiency symptoms appear. Maintain uniform soil moisture by providing regular drip irrigation. Avoid sudden heavy watering after a dry spell, as fluctuating moisture levels cause fruit cracking. Use Methyl eugenol traps (10/acre) for fruit fly.

Livestock, Poultry, and Sericulture Advisory	
Sector	**Weather-Based Advisory**
Livestock	1. **Black Quarter Disease (Chappe Roga):** This infectious disease is caused by spore-forming bacteria (specifically *Clostridium chauvoei*). 2. It is highly recommended to vaccinate livestock against Black Quarter every year proactively during the months of July. 3. Provide dry and clean shelter; avoid animals standing in wet areas. 4. Monitor for tick and mite infestations; use approved acaricides if needed. 5. Provide balanced feed and mineral supplements. 6. Provide shade, proper ventilation, and sprinkle water on shed roof if needed during peak afternoon heat.

	7. Continue vaccination and deworming schedules. Observe for signs of heat stress (panting, reduced feed intake).
Sericulture	1. Chawki (early stage): Maintain temperature 26–28°C and RH 75–85%. Sprinkle water on floor to maintain humidity if required. 2. Late age larvae: Maintain temperature 24–26°C and RH 65–70%. Ensure good ventilation to prevent disease incidence. 3. Provide fresh, tender leaves in required quantity. Avoid wilted leaves. 4. Disinfect rearing house and appliances before batch rearing. Remove bed refuse regularly.
Poultry	1. Ensure proper airflow in poultry sheds. Use fans if necessary. 2. Provide cool water with electrolytes during hot hours. 3. Provide **electrolytes + vitamins** in water for immunity. 4. Keep litter dry to prevent ammonia accumulation. 5. Maintain biosecurity measures and regular health monitoring.

Block level weather forecast (From 18-07-2026 to 22-07-2026)

DEVANAHALLI BLOCK

Parameter	18.07.2026	19.07.2026	20.07.2026	21.07.2026	22.07.2026
Rainfall (mm)	3	2	1	0	0
Max. Temp (°C)	29	30	30	31	31
Min.Temp (°C)	21	22	22	22	22
Sky condition (Octas)	7	8	7	6	5
Relative humidity (%) 0830 hours	79	80	80	80	79
Relative humidity (%) 1730 hours	48	46	45	42	40
Wind Speed (kmph)	17	22	21	22	21
Wind Direction	265	270	271	267	269

DODDABALLAPURA BLOCK

Parameter	18.07.2026	19.07.2026	20.07.2026	21.07.2026	22.07.2026
Rainfall (mm)	3	2	2	0	0
Max. Temp (°C)	29	29	29	30	30
Min.Temp (°C)	21	21	21	21	21
Sky condition (Octas)	7	8	7	6	6
Relative humidity (%) 0830 hours	83	83	83	83	82
Relative humidity (%) 1730 hours	50	49	48	44	44
Wind Speed (kmph)	14	19	18	18	18
Wind Direction	263	267	270	264	262

HOSKOTE BLOCK					
Parameter	**18.07.2026**	**19.07.2026**	**20.07.2026**	**21.07.2026**	**22.07.2026**
Rainfall (mm)	3	2	1	0	0
Max. Temp (°C)	29	30	30	31	31
Min.Temp (°C)	21	22	22	22	22
Sky condition (Octas)	7	8	7	6	5
Relative humidity (%) 0830 hours	79	80	80	80	79
Relative humidity (%) 1730 hours	47	45	45	41	40
Wind Speed (kmph)	18	23	22	22	21
Wind Direction	267	271	273	269	270

NELAMANGALA BLOCK					
Parameter	**18.07.2026**	**19.07.2026**	**20.07.2026**	**21.07.2026**	**22.07.2026**
Rainfall (mm)	4	4	3	0	0
Max. Temp (°C)	30	28	29	30	31
Min.Temp (°C)	21	21	21	21	21
Sky condition (Octas)	7	7	7	6	5
Relative humidity (%) 0830 hours	88	88	89	89	90
Relative humidity (%) 1730 hours	50	55	54	48	45
Wind Speed (kmph)	12	20	18	18	18
Wind Direction	258	268	268	261	258

- 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)

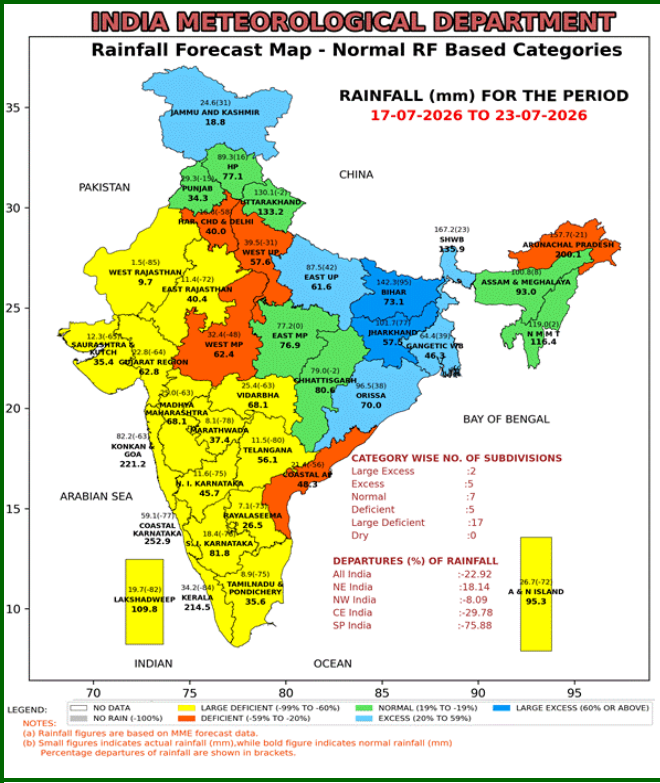
Realized Rainfall

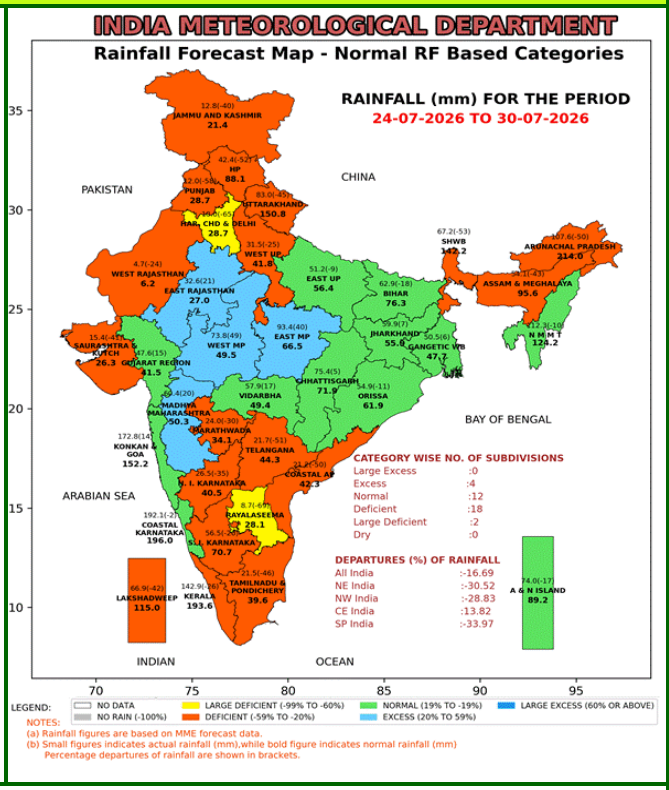
(02nd July to 15th July 2026)

- Normal or above normal rainfall occurred in both the weeks over Himachal Pradesh, Uttarakhand, Haryana-Chandigarh-Delhi, West Uttar Pradesh, Gangetic West Bengal and Nagaland-Manipur-Mizoram-Tripura (NMMT).
- Normal or above normal rainfall occurred in either of the two weeks over Jammu & Kashmir, Punjab, East Uttar Pradesh, Bihar, Sub-Himalayan West Bengal & Sikkim, Jharkhand, Odisha, Chhattisgarh, Madhya Pradesh, Rajasthan, Gujarat State, Maharashtra, Goa, Karnataka, Keralam & Mahe and Andaman & Nicobar Islands.
- Below Normal rainfall occurred in both the weeks over rest of the States & UTs.

Extended Range Forecast System

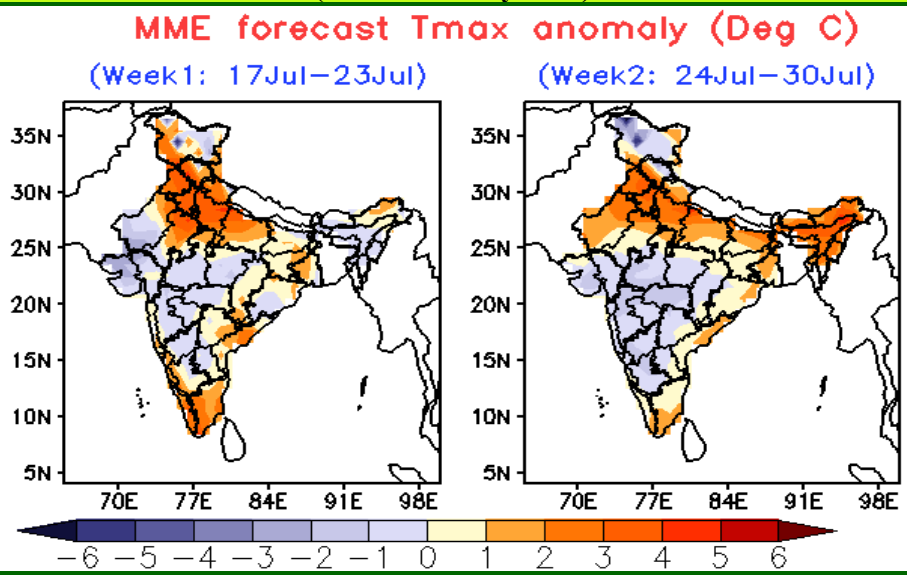
Rainfall forecast maps for the next 2 weeks (IC – 15th July, 2026)
(17th to 30th July 2026)





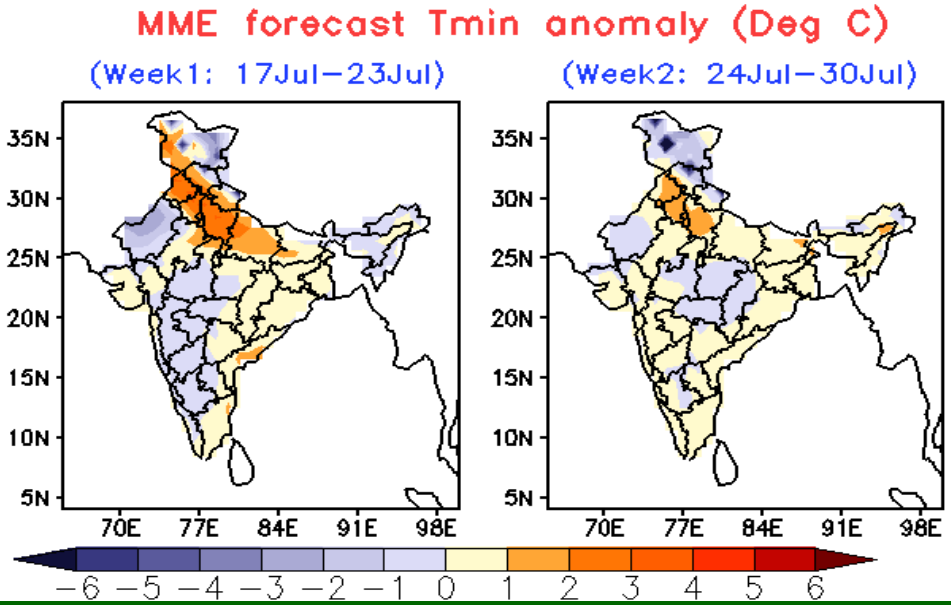
- **Week 1 (17.07.2026 to 23.07.2026):** Rainfall is likely to be above normal over many parts of East India and East Uttar Pradesh. However, it is likely to be below normal over many parts of West India, South India and some parts of Madhya Pradesh, East Rajasthan, Haryana, West Uttar Pradesh and Arunachal Pradesh.
- **Week 2 (24.07.2026 to 30.07.2026):** Rainfall is likely to be above normal over Central India and some parts of West India. However, it is likely to be below normal over Arunachal Pradesh, Sikkim, Uttarakhand, Himachal Pradesh, Keralam, Andhra Pradesh and Telangana.

Maximum and Minimum temperature anomaly (˚C) forecast
for the next 2 weeks (IC – 15th July, 2026)
(17th to 30th July 2026)



Maximum Temperature (Tmax)

- **Week 1 (17.07.2026 to 23.07.2026):** Maximum temperature is likely to be above normal over Keralam, Tamil Nadu and many parts of North West India, East India & Coastal Andhra Pradesh.
- **Week 2 (24.07.2026 to 30.07.2026):** Maximum temperature is likely to be above normal over many parts of North West India, East India, North East India, Tamil Nadu and Coastal Andhra Pradesh.



Minimum Temperature (Tmin)

- **Week 1 (17.07.2026 to 23.07.2026):** Minimum Temperature is likely to be above normal over many parts of North West India.
- **Week 2 (24.07.2026 to 30.07.2026):** Minimum temperature is likely to be above normal over Punjab, Haryana and West Uttar Pradesh.