

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



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Date: 25-10-2024

**AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

**Past Weather Data**

<b>Parameter</b>	<b>21.10.2024</b>	<b>22.10.2024</b>	<b>23.10.2024</b>	<b>24.10.2024</b>	<b>25.10.2024</b>
<b>Rainfall (mm)</b>	13.5	0	1	-	0.5
<b>Max. Temp. (°C)</b>	32.4	32.2	31.9	33.5	30.7
<b>Min. Temp. (°C)</b>	21.7	21.6	20.9		20.3
<b>Sky condition (Octas)</b>	-	-	-	-	-
<b>Relative humidity (%) 0830 hours</b>	98	100	100	-	100
<b>Relative humidity (%) 1730 hours</b>	-	71	86	72	92
<b>Wind Speed (km/h)</b>	-	-	-	-	-
<b>Wind Direction</b>	-	-	-	-	-

**Weather forecast for the next five days (From 26-10-2024 to 30-10-2024)**

<b>Parameter</b>	<b>26.10.2024</b>	<b>27.10.2024</b>	<b>28.10.2024</b>	<b>29.10.2024</b>	<b>30.10.2024</b>
<b>Rainfall (mm)</b>	3	2	0	2	0
<b>Max. Temp. (°C)</b>	26.7	26.7	27.4	27.6	27.6
<b>Min.Temp. (°C)</b>	19.9	19	18.5	18.1	18.2
<b>Sky condition (Octas)</b>	6	4	3	4	5
<b>Relative humidity (%) 0830 hours</b>	88.1	87.8	88.5	90.5	91.5
<b>Relative humidity (%) 1730 hours</b>	55.3	53	46.9	45.6	44.9
<b>Wind Speed (kmph)</b>	2.9	3.7	3.3	2.9	2.5
<b>Wind Direction</b>	277.1	258.7	263.7	262.9	278.1

**Forecast Summary**

As forecast received from IMD, partially cloudy sky with **light rainfall** may be expected from 26.10.2024 to 30.10.2024 in Chamarajanagara district. The day temperature is expected to be 26.7-27.6 °C & night temperature is expected 18.1-19.9 °C. The relative humidity in the morning hours is expected to be 87.8-91.5% & afternoon relative humidity is expected to be in the range of 44.9-55.3%. Wind speed expected to be 2.5-3.7 km/ hr.

Recommendations to the farmers:			
Crop	Pest/Disease	Damage symptoms	Control measures
<b>General Advisory</b>			
<ul style="list-style-type: none"> <li>• <b>Light Rainfall:</b> Beneficial for crop growth stages like cob, pod, and berry development, but drainage should be maintained to prevent waterlogging.</li> <li>• <b>Humidity:</b> High morning humidity may increase the risk of fungal infections, so preventive fungicide sprays should be applied where necessary.</li> <li>• <b>Temperature:</b> The temperature range is favorable for most crops, supporting vegetative and reproductive growth without stress.</li> </ul>			

Recommendations to the farmers:			
Crop	Pest/Disease	Damage symptoms	Control measures
<b>Crops and varieties that can be grown in the month of October</b>			
<p><b>Finger millet :</b> Indaf-7, Indaf-9, KMR-301, GPU-45</p> <p><b>Rabi Maize :</b> M-35-1, Nose (5-4-1), CSH-10</p> <p><b>Paddy :</b> MSN-99</p> <p><b>Maize :</b> Hema, Nityashree, MAH-14-5</p> <p><b>Popcorn :</b> Amber</p> <p><b>Sunflower:</b> KBSH-41, KBSH-42, KBSH-44, KBSH53, KBSH-78, KBSH-85</p> <p><b>Soybean:</b> MAUS-2 (Praja), Karune (Vegetable Soybean), KBS-23, KBSH-85</p> <p><b>Niger:</b> KBN-1, No-71</p> <p><b>Safflower:</b> Annigere-1, NARI-6, A-2</p> <p><b>Field bean:</b> HA-3, 4</p> <p><b>Chickpea:</b> Annigere-1, JG-11, Vishal, KAK-2</p> <p><b>Sugarcane:</b> Co-62175, Co-86032 (Nayana), CoVC-99463 (Vishal), Co-8371 (Bhima), VCF-0517 (Bahubali), CoVC-18061</p> <p><b>Amaranthus:</b> KBGA-15</p> <p><b>Horticulture Crops:</b> Grapes, Banana, Arecanut, Garlic, Garden pea, Carrot, Tomato, Potato, Brinjal, Chilli, Cauliflower, Radish, cabbage, Knol Khol</p> <p><b>Fodder crops:</b></p> <p><b>Maize :</b> African Tall</p> <p><b>Maize:</b> MP Chari, Pusachari, JS-3, GS-20, COFS-29</p> <p><b>Bajra:</b> Dhina Bandhu- 49A</p> <p><b>Cowpea:</b> KBC-2,</p> <p><b>Lucerne:</b> RL-88</p>			

Recommendation to farmers
<b>General advisory</b>
<ul style="list-style-type: none"> <li>• <b>Drainage Management:</b> Ensure proper drainage in fields to avoid waterlogging due to light to moderate rainfall, especially for crops like paddy, turmeric, and horticultural crops.</li> <li>• <b>Pest and Disease Monitoring:</b> High humidity and rainfall can lead to fungal diseases and pest outbreaks. Regularly monitor crops like black pepper, chilli, and red gram for issues like fungal infections and pod borers.</li> <li>• <b>Livestock Care:</b> Provide adequate shelter for livestock and ensure dry bedding to prevent health issues from damp conditions. Keep feeding areas clean and dry.</li> </ul>

**Crop specific advisory:**

<b>Crop</b>	<b>Stage</b>	<b>Advisory</b>
<b>Red gram wilt</b>	Flowering to pod initiation stage	5.0 g. Trichoderma viridae OR 3.0 g. Carbendazim + Mancozeb 75 WP.then sown. In wilt endemic areas before sowing enriched Trichoderma FYM incorporated to soil OR Sow wilt resistant red gram variety BRG 5 or Maruthi (ICP 8863).
<b>Red gram Sterility mosaic</b>	Flowering to pod initiation stage	Pull out the infested plants and destroy. 20 - 25, 40 - 45 days after sowing spray 2.5 ml. Dicofol 18.5 EC./lit. water. ICP 7035 sterility mosaic resistant red gram variety.
<b>Maize fall army worm</b>	Cob development stage	Apply insecticides such as Spinosad, Emamectin benzoate, or Chlorantraniliprole to control larvae.
<b>Banana Leaf spot (Cigatoka)</b>	Fruit development	In endemic areas grow resistant banana variety - Sakkare bale. At the time of planting the rhizomes may treated with any one of the Fungicides /lit. water a)Propiconazole 25 EC.- 1.0 ml. b)Theiophenate methyl 70 Wdiv.- 1.0 g. c)Carbendazim 50 Wdiv.- 1.0 g. d)Metham Sodium (Vapom) - 1.0 g. In Mushy area provide drainage.
<b>Field bean pod borer</b>	Pod development	Dust 10 kg. Fenvalrate 0.4 D. OR Malathion 5 D. per acre during morning hours.
<b>Field bean Cand cowpea Aphids</b>	Pod development	Spray Dimethoate 30 EC. @ 1.75 ml./lit. water.
<b>Paddy Leaf folder</b>	Panicle initiation stage	Apply any one of the following insecticides per lit. water a) Quinalphos 25 EC. - 2.0 ml. b) Indoxacarb 14.5 SC. - 0.5ml. c) Flubendiamide 48 SC. - 0.08ml. d) Flubendiamide 20 WG. - 0.2 g. Drain out the water and spray the insecticide. 250 - 300 lit. spray mixture requires per acre.
<b>Paddy leaf and neck blast</b>	Panicle initiation stage	> Seed treatment: Treat the seeds @ 4 g. Carbendazim 50 WP. or Tricyclazole 75 WP. @ 0.6 g./kg. seed. Nursery spray > When seedlings are 10 -12 days old spray any one of the following fungicides to a lit. water. a) Carbendazim 50 WP. - 1.0 g. b) Tricyclazole 75 WP. - 0.6 g. c) Edifenphos 50 EC. - 1.0 ml. d) Kitazin 48 EC. - 1.0 ml. 20 - 25 days after transplanting if disease incidence above 5 per cent sprays any one fungicide mention above. If necessary spray at flowering stage. 200 - 300 lits. spray solution/acre.
<b>Paddy Bacterial leaf blight</b>	Panicle initiation stage	25 and 50 DAT add 0.5 g. Streptocycline and 2.5 g. Copper oxychloride 50 WP for a lit. Water and spray. 200 to 250 lit. Spray mixture requires/acre/time.
<b>Coconut black headed caterpillar</b>	Various stages	<ul style="list-style-type: none"> <li>Remove and burn the severely affected fronds.</li> <li>On community basis feed the Monocrotophos 36 SL. to the palm through root.</li> </ul>

		<p>Method: A meter away from trunk, dig out and select brown coloured pencil thickness size root. Cut the root in a slanting position. To the polythene bag (size of 15 cm. length 4 cm. breadth) add 7.5 to 10 ml. Monocrotophos 36 SL. with equal quantity of water, introduce and immerse cut end of the root in insecticide mixture and tie the bag with thread.</p> <ul style="list-style-type: none"> <li>• The palm absorb the chemical within a period of 24 hours, if not after 48 hours select another root to feed the chemical.</li> <li>• A month after chemical treatment release larval parasites: gravid, Goniozus@ 10 - 12 /palm.</li> </ul> <p>Caution: Not to harvest tender coconuts/matured coconuts for 30 days from date of chemical treatment.</p>
<b>Ginger Rhizome rot</b>	Rhizome development stage	2.0 g. Metalaxyl - MZ 72Wdiv. in a lit. water. Before store of seed material soak them in 3.0 g. Mancozeb 75 Wdiv. in a lit. water for 30 min then dry in shade and store.
<b>Pepper Quick wilt and black rot disease</b>	Berry development stage	<p>Drench 10 lit. fungicide mixture/vine viz., 0.125 per cent Metalaxyl - MZ 72Wdiv.</p> <p>OR</p> <p>2 per cent Copper oxychloride 50 Wdiv.</p> <p>Spray any one of the following fungicide in the month of August - September.</p> <p>Fungicides</p> <p>a)1% Boardeaux mixture + 3 % Potassium phosphonate</p> <p>b)1% Pseudomonas fluorescense.</p> <p>Incorporate Trichogramma (50 g) enriched compost (5 kg.) to the base of the vine.</p>

<b>Weather based advisory</b>		
<b>Crop</b>	<b>Stage</b>	<b>Advisory</b>
<b>Red gram</b>	Flowering to pod initiation stage	Light to moderate rainfall is beneficial. Ensure adequate drainage to prevent waterlogging. Monitor for pests like pod borer and apply control measures if needed.
<b>Maize</b>	<b>Tasseling</b>	Light rainfall will help with moisture. Apply top-dress nitrogen fertilizers if necessary. Avoid irrigation. Monitor for stem borer or fall armyworm.
<b>Paddy</b>	<b>Stem elongation</b>	Maintain proper water levels in fields. Light to moderate rainfall will support growth, but ensure there's no waterlogging. Apply fertilizer as per the schedule.
<b>Chilli</b>	<b>Fruit development stage</b>	Ensure the field has proper drainage to avoid fruit rots due to moderate rainfall. Inspect for thrips or fruit borers. Provide staking to support plants.
<b>Ragi</b>	<b>Tillering stage</b>	Light rainfall is beneficial, but ensure fields are well-drained to prevent waterlogging. Top-dress fertilizers can be applied based on crop requirements.
<b>Field bean</b>	<b>Pod initiation</b>	Light to moderate rainfall is favorable. Monitor for pod borers and aphids. Avoid irrigation during rainy periods.
<b>Banana</b>	<b>Fruit development stage</b>	Moderate rainfall is favorable for fruit development. Ensure plants are supported with staking to prevent wind damage. Maintain adequate drainage.
<b>Turmeric, Ginger</b>	<b>Rhizome development stage</b>	Moderate rainfall will support rhizome growth, but ensure proper drainage to avoid rot. Apply appropriate fertilizers and monitor for leaf spot diseases.

<b>Black pepper</b>	<b>Berry development stage</b>	Maintain proper drainage. The humidity is high, so monitor for fungal diseases like Phytophthora. Use preventive fungicide sprays if necessary.
<b>Coffee</b>	<b>Berry development stage</b>	The forecasted rainfall and temperature are favorable. Monitor for berry borer and fungal infections. Shade regulation and adequate drainage are important.
<b>Horticultural crops</b>	<b>Various stages</b>	Ensure adequate drainage across all crops to prevent root damage. Moderate rainfall will support growth. Monitor for fungal infections and pests.
<b>Livestock</b>	Shelter and Feeding	Provide shelter to protect from rains and fluctuating temperatures. Ensure dry bedding for animals. Adjust feeding according to reduced pasture availability.
<b>Sericulture</b>	Rearing Stage	Maintain optimal temperature and humidity inside the rearing house. Keep mulberry leaves dry during feeding to avoid diseases like flacherie due to high moisture.

### Block level weather forecast (From 26-10-2024 to 30-10-2024)

#### Chamarajanagara

<b>Parameter</b>	<b>26.10.2024</b>	<b>27.10.2024</b>	<b>28.10.2024</b>	<b>29.10.2024</b>	<b>30.10.2024</b>
<b>Rainfall (mm)</b>	3.9	0.8	0.1	0.3	1.4
<b>Max. temp (°C)</b>	26.5	27	27.2	27.6	27.5
<b>Min.Temp (°C)</b>	19.4	18.5	18	17.8	18.1
<b>Sky condition (Octas)</b>	6	2	3	4	4
<b>Relative humidity (%) 0830 hours</b>	88.1	88.8	88.1	90.1	95.4
<b>Relative humidity (%) 1730 hours</b>	55.8	50.1	45.7	44.8	51.6
<b>Wind Speed (kmph)</b>	1.8	2.3	1.9	1.6	2.3
<b>Wind Direction</b>	306.9	288.4	248.2	296.6	321.4

#### Gundlupete

<b>Parameter</b>	<b>26.10.2024</b>	<b>27.10.2024</b>	<b>28.10.2024</b>	<b>29.10.2024</b>	<b>30.10.2024</b>
<b>Rainfall (mm)</b>	6.4	1	0.1	0.2	1.3
<b>Max. temp (°C)</b>	26.2	26.8	27.4	27.8	27.5
<b>Min.Temp (°C)</b>	19.2	18.2	17.5	17.2	17.9
<b>Sky condition (Octas)</b>	6	2	2	3	4
<b>Relative humidity (%) 0830 hours</b>	82.6	85.1	84.6	91.3	91.8
<b>Relative humidity (%) 1730 hours</b>	55.5	50	43.5	44	47.8
<b>Wind Speed (kmph)</b>	2.6	3.9	5.2	3.9	2.9
<b>Wind Direction</b>	254	248.2	236.3	236.3	240.2

### Kollegala

Parameter	26.10.2024	27.10.2024	28.10.2024	29.10.2024	30.10.2024
Rainfall (mm)	2.3	0.5	0.5	0.5	0.7
Max. temp (°C)	27.7	28	28.1	28.2	28.4
Min.Temp (°C)	20.1	19.4	19.1	18.8	18.9
Sky condition (Octas)	6	2	2	3	3
Relative humidity (%) 0830 hours	87.7	87.6	88.1	91.7	97.8
Relative humidity (%) 1730 hours	52.3	46.6	45.8	45	49.5
Wind Speed (kmph)	3.1	3.6	4.9	3.8	2.6
Wind Direction	225	233.1	216	228.8	254

### Yelandur

Parameter	26.10.2024	27.10.2024	28.10.2024	29.10.2024	30.10.2024
Rainfall (mm)	3.8	0.4	0.6	0.6	0.8
Max. temp (°C)	27.5	27.8	27.9	28.2	28.2
Min.Temp (°C)	19.9	19.2	18.9	18.6	18.8
Sky condition (Octas)	6	2	2	3	3
Relative humidity (%) 0830 hours	88.8	88.1	89.1	91.7	97.2
Relative humidity (%) 1730 hours	53.5	47.5	46.3	45.4	50.6
Wind Speed (kmph)	2.5	3.1	4.6	3.3	2.3
Wind Direction	225	234.4	218.6	229.4	251.6

### Hanur

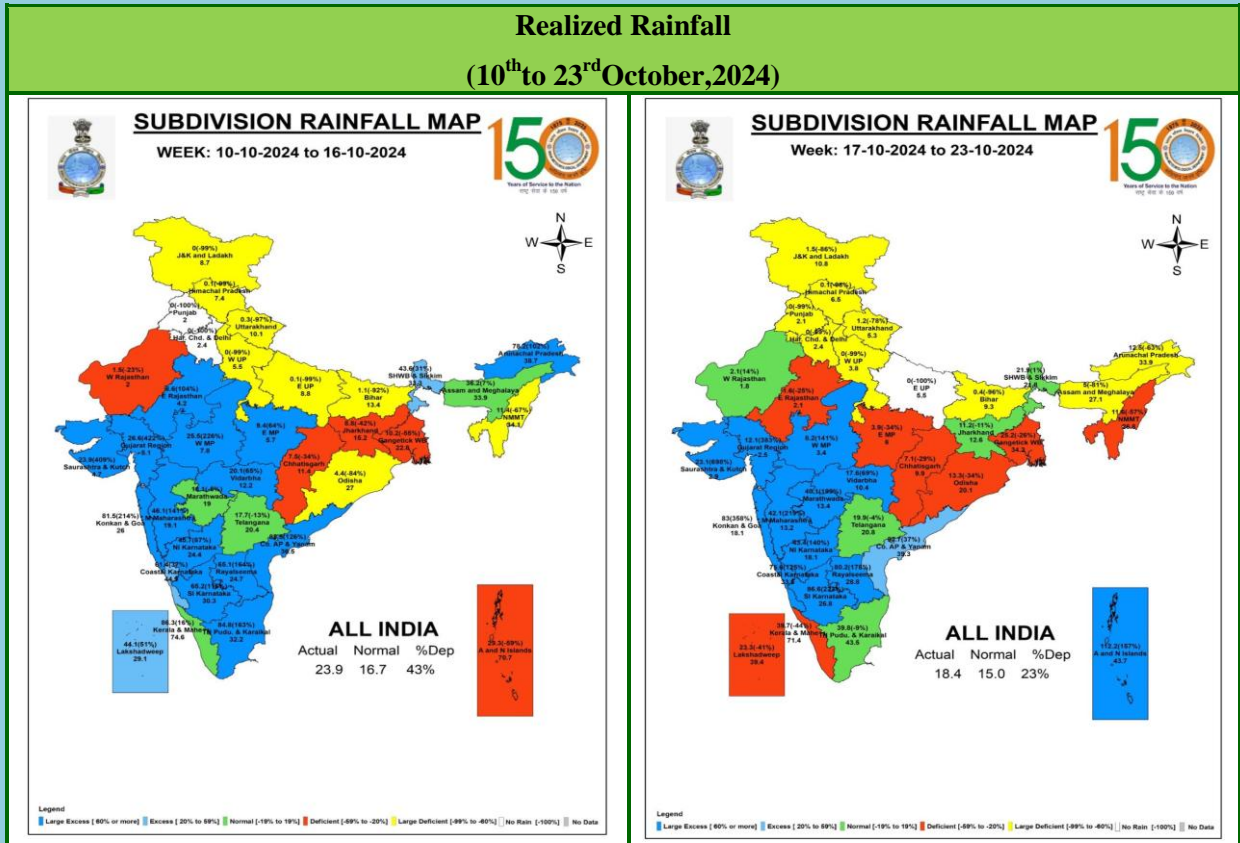
Parameter	26.10.2024	27.10.2024	28.10.2024	29.10.2024	30.10.2024
Rainfall (mm)	3.5	0.3	1	1.1	1.5
Max. temp (°C)	26.7	26.9	27.1	27.5	27.2
Min.Temp (°C)	19.1	18.4	17.9	17.8	18
Sky condition (Octas)	6	2	2	3	3
Relative humidity (%) 0830 hours	90.5	90.2	90.3	91	97.5
Relative humidity (%) 1730 hours	54.1	49.5	48.5	48.5	52.7
Wind Speed (kmph)	3.4	4.2	4.7	3.9	2.9
Wind Direction	251.6	250	247.4	248.2	277.1

- 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.

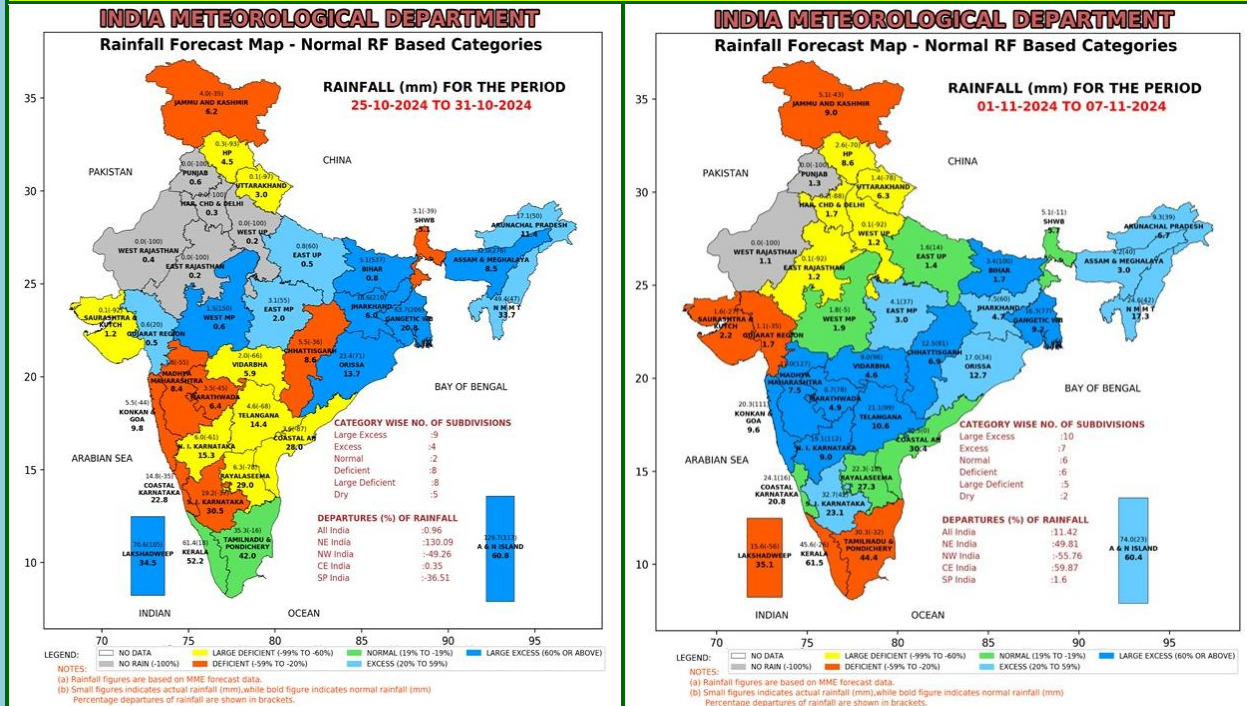
**AMFU of IMD,**  
**Naganahalli, Mysuru**

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



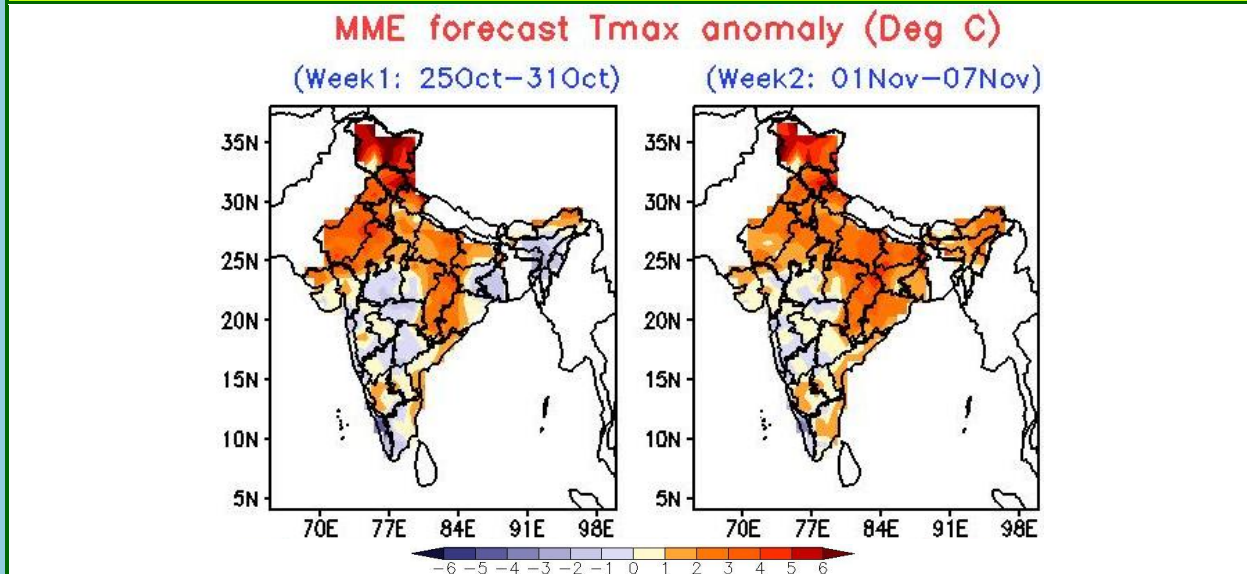
## Extended Range Forecast System

### Rainfall forecast maps for the next 2 weeks (IC- 23<sup>rd</sup>October, 2024) (25<sup>th</sup>October to 07<sup>th</sup> November, 2024)



- **Week1 (25.10.2024 to 31.10.2024):** Rainfall is likely to be above normal over Gangetic West Bengal, some parts of Northeast India and Kerala. It is likely to be below normal over Karnataka, Telangana, Rayalaseema and Coastal Andhra Pradesh.
- **Week 2 (01.11.2024 to 07.11.2024):** Rainfall is likely to be above normal over Karnataka, Madhya Maharashtra, Telangana and Gangetic West Bengal.

### Maximum and Minimum temperature anomaly ( °C) forecast for the next 2 weeks (IC- 23<sup>rd</sup>October, 2024) (25<sup>th</sup>October to 07<sup>th</sup> November, 2024)



#### Maximum Temperature (Tmax)

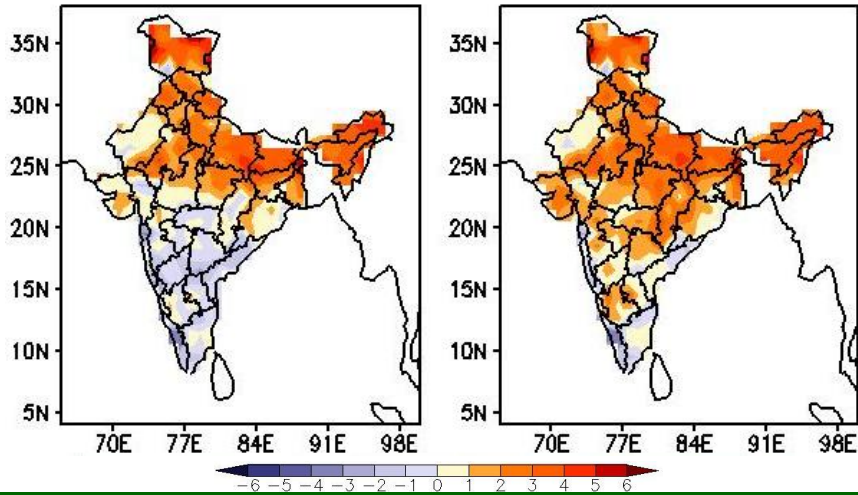
- **Week 1 (25.10.2024 to 31.10.2024):** Maximum temperature is likely to be above normal over Northwest India, Chhattisgarh and parts of Odisha.
- **Week 2 (01.11.2024 to 07.11.2024):** Maximum temperature is likely to be above normal over Northwest India, East India, Northeast India, Chhattisgarh and Odisha.



## MME forecast Tmin anomaly (Deg C)

(Week1: 25Oct–31Oct)

(Week2: 01Nov–07Nov)



### Minimum Temperature (Tmin)

- **Week 1 (25.10.2024 to 31.10.2024):** Minimum temperature is likely to be above normal over Northwest India, East India and Northeast India. It likely to be below normal over South India and many parts of Central India.
- **Week 2 (01.11.2024 to 07.11.2024):** Minimum temperature is likely to be above normal over most parts of the country.