

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



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



Date: 10-10-2024

**AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

**Past Weather Data**

<b>Parameter</b>	<b>08.10.2024</b>	<b>09.10.2024</b>	<b>10.10.2024</b>
Rainfall (mm)	15	2	0
Max. Temp. (°C)	29.9	29	32
Min. Temp. (°C)	21.3	21.6	21.7
Sky condition (Octas)	-	-	-
Relative humidity (%) 0830 hours	100	97	94
Relative humidity (%) 1730 hours	98	-	80
Wind Speed (km/h)	-	-	-
Wind Direction	-	-	-

**Weather forecast for the next five days (From 11-10-2024 to 15-10-2024)**

<b>Parameter</b>	<b>11.10.2024</b>	<b>12.10.2024</b>	<b>13.10.2024</b>	<b>14.10.2024</b>	<b>15.10.2024</b>
Rainfall (mm)	35	23	36	23	44
Max. Temp. (°C)	31.9	31	31.7	31.4	31
Min. Temp. (°C)	16.3	17.3	16.7	17	17.2
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	94	94	94	94	94
Relative humidity (%) 1730 hours	61	64	66	66	67
Wind Speed (kmph)	7	5	5	5	6
Wind Direction	225	236	202	292	285

**Forecast Summary**

As forecast received from IMD, partially cloudy sky with moderate rainfall may be expected from 11.10.2024 to 15.10.2024 in Chamarajanagara district. The day temperature is expected to be 31.4-31.9 °C & night temperature is expected 16.3-17.3 °C. The relative humidity in the morning hours is expected to be 94% & afternoon relative humidity is expected to be in the range of 61-67%. Wind speed expected to be 5-7 km/ hr.

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

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**Bajra:** Dhina Bandhu- 49A

**Cowpea:** KBC-2,

**Lucerne:** RL-88

### Weather based advisory

Crop	Stage	Advisory
Maize	Tasseling	<ul style="list-style-type: none"><li>- Due to forecasted rainfall, avoid irrigation.</li><li>- Maintain field drainage to prevent waterlogging.</li><li>- Monitor for fall armyworm attacks.</li></ul>
Paddy	Stem elongation	<ul style="list-style-type: none"><li>- Ensure proper drainage to avoid standing water.</li><li>- Apply nitrogen fertilizers if not already done.</li><li>- Watch for sheath blight and plan protection.</li></ul>
Chilli	Fruit development stage	<ul style="list-style-type: none"><li>- Ensure good drainage in the fields to avoid waterlogging.</li><li>- Monitor for fruit rot and viral diseases due to high humidity.</li><li>- Provide plant support.</li></ul>
Ragi	Tillering stage	<ul style="list-style-type: none"><li>- Provide drainage to avoid standing water.</li><li>- Light application of fertilizers can be done if there is no heavy rain.</li></ul>
Field bean	Pod initiation	<ul style="list-style-type: none"><li>- Maintain soil moisture through light irrigation if needed.</li><li>- Ensure proper drainage to avoid water stagnation.</li></ul>
Banana	Fruit development stage	<ul style="list-style-type: none"><li>- Ensure drainage to avoid water stagnation.</li><li>- Provide support to plants to prevent lodging.</li><li>- Apply potassium-based fertilizers for fruit quality.</li></ul>
Turmeric, Ginger	Rhizome development stage	<ul style="list-style-type: none"><li>- Avoid waterlogging by ensuring proper drainage.</li><li>- Apply organic mulching to conserve soil moisture.</li><li>- Monitor for rhizome rot and take action.</li></ul>
Black pepper	Berry development stage	<ul style="list-style-type: none"><li>- Ensure proper drainage to avoid root rot.</li><li>- Maintain humidity around the plants but avoid waterlogging.</li></ul>
Coffee	Berry development stage	<ul style="list-style-type: none"><li>- Avoid water stagnation in the plantation area.</li><li>- Mulching can be applied to conserve soil moisture.</li></ul>
Horticultural crops	Various stages	<ul style="list-style-type: none"><li>- Provide staking or other support systems to fruit trees and crops to avoid lodging.</li><li>- Avoid excess watering due to forecasted rainfall.</li></ul>
Livestock	Shelter and Feeding	<ul style="list-style-type: none"><li>- Keep animals in well-ventilated shelters, avoiding overcrowding.</li><li>- Ensure dry bedding for animals.</li><li>- Store fodder in dry places.</li></ul>
Sericulture	Rearing stage	<ul style="list-style-type: none"><li>- Maintain ideal temperature (24-28°C) and humidity levels (70-80%) in rearing rooms.</li><li>- Protect silkworms from excess moisture and strong winds.</li></ul>

### Recommendation to farmers

#### Crop specific advisory:

Crop	Stage	Advisory
Paddy Leaf folder	Vegetative stage	<p>Apply any one of the following insecticides per lit. water</p> <ol style="list-style-type: none"><li>Quinalphos 25 EC. - 2.0 ml.</li><li>Indoxacarb 14.5 SC. - 0.5ml.</li><li>Flubendiamide 48 SC. - 0.08ml.</li><li>Flubendiamide 20 WG. - 0.2 g.</li></ol> <p>Drain out the water and spray the insecticide. 250 - 300 lit. spray</p>

		mixture requires per acre.
<b>Paddy leaf and neck blast</b>	Vegetative stage	<p>&gt; Seed treatment: Treat the seeds @ 4 g. Carbendazim 50 WP. or Tricyclazole 75 WP. @ 0.6 g./kg. seed.</p> <p>Nursery spray</p> <p>&gt; When seedlings are 10 -12 days old spray any one of the following fungicides to a lit. water.</p> <p>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.</p> <p>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.</p>
<b>Paddy Bacterial leaf blight</b>	Vegetative 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  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>Maize</b>	<b>Tasseling</b>	<p>- Ensure proper drainage to prevent waterlogging.</p> <p>- Apply <b>Metalaxyl</b> for downy mildew control.</p> <p>- Apply urea after rain for proper growth.</p>
<b>Paddy</b>	<b>Stem elongation</b>	<p>- Improve drainage.</p> <p>- Apply <b>Tricyclazole</b> for blast control.</p> <p>- Manage bacterial leaf blight using <b>Copper oxychloride</b> or</p>

		<b>Streptomycin.</b>
<b>Chilli</b>	<b>Fruit development stage</b>	- Apply <b>Copper oxychloride</b> for fruit rot control. - Regularly monitor for pests and diseases. - Ensure proper drainage and remove diseased fruits.
<b>Ragi</b>	<b>Tillering stage</b>	- Apply <b>Carbendazim</b> or <b>Mancozeb</b> for fungal disease control. - Enhance drainage to prevent waterlogging. - Ensure regular weed control.
<b>Field bean</b>	<b>Pod initiation</b>	- Improve drainage. - Apply <b>Mancozeb</b> for root rot. - Monitor aphid infestations and spray neem oil or insecticides.
<b>Banana</b>	<b>Fruit development stage</b>	- Prune infected leaves and apply <b>Copper fungicides</b> . - Stake plants to prevent lodging. - Regular inspection for pest infestations.
<b>Turmeric, Ginger</b>	<b>Rhizome development stage</b>	- Ensure good drainage to prevent waterlogging. - Apply <b>Carbendazim</b> for rhizome rot. - Mulch plants to conserve moisture and control weeds.
<b>Black pepper</b>	<b>Berry development stage</b>	- Apply <b>Copper oxychloride</b> for anthracnose. - Ensure proper drainage. - Stake vines and provide adequate nutrients.
<b>Coffee</b>	<b>Berry development stage</b>	- Apply <b>Copper-based fungicides</b> for rust control. - Improve drainage to avoid waterlogging. - Regularly monitor for pests such as berry borers.
<b>Horticultural crops</b>	<b>Various stages</b>	- Improve drainage to avoid waterlogging. - Apply appropriate fungicides (like <b>Copper oxychloride</b> or <b>Mancozeb</b> ) for disease control. - Ensure staking and plant support.
<b>Livestock</b>	Shelter and Feeding	- Keep livestock in dry shelters. - Provide clean, dry bedding. - Ensure regular deworming and vaccination.
<b>Sericulture</b>	Rearing Stage	- Ensure proper ventilation in rearing houses. - Maintain optimal humidity levels. - Regularly clean and disinfect the rearing environment.

### Block level weather forecast (From 11-10-2024 to 15-10-2024)

#### Chamarajanagara

<b>Parameter</b>	<b>11.10.2024</b>	<b>12.10.2024</b>	<b>13.10.2024</b>	<b>14.10.2024</b>	<b>15.10.2024</b>
<b>Rainfall (mm)</b>	7.5	1.4	9.8	6.7	12
<b>Max. temp (°C)</b>	26.8	25.7	24.7	25.2	24.4
<b>Min.Temp (°C)</b>	17.1	17.9	17.2	17.3	17.5
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	92	93	93	93	93
<b>Relative humidity (%) 1730 hours</b>	53	57	62	63	62
<b>Wind Speed (kmph)</b>	5	4	4	6	7
<b>Wind Direction</b>	248	300	225	68	248

#### Gundlupete

<b>Parameter</b>	<b>11.10.2024</b>	<b>12.10.2024</b>	<b>13.10.2024</b>	<b>14.10.2024</b>	<b>15.10.2024</b>
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<b>Rainfall (mm)</b>	9.4	3.5	8.9	3.4	11.4
<b>Max. temp (°C)</b>	25.8	24.8	25	25.7	25.3
<b>Min.Temp (°C)</b>	17.1	18	17	17.5	17.5
<b>Sky condition (Octas)</b>	8	8	8	8	7
<b>Relative humidity (%) 0830 hours</b>	91	94	95	94	94
<b>Relative humidity (%) 1730 hours</b>	56	62	60	63	61
<b>Wind Speed (kmph)</b>	7	5	5	5	8
<b>Wind Direction</b>	242	255	251	248	252

### Kollegala

<b>Parameter</b>	<b>11.10.2024</b>	<b>12.10.2024</b>	<b>13.10.2024</b>	<b>14.10.2024</b>	<b>15.10.2024</b>
<b>Rainfall (mm)</b>	18.4	5.8	26.4	11.7	14.4
<b>Max. temp (°C)</b>	28.5	27.9	27.4	27.3	26.8
<b>Min.Temp (°C)</b>	18.6	19.4	19.6	19.2	19.6
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	95	95	93	94	93
<b>Relative humidity (%) 1730 hours</b>	59	62	69	67	67
<b>Wind Speed (kmph)</b>	5	4	4	5	6
<b>Wind Direction</b>	289	259	252	105	248

### Yelandur

<b>Parameter</b>	<b>11.10.2024</b>	<b>12.10.2024</b>	<b>13.10.2024</b>	<b>14.10.2024</b>	<b>15.10.2024</b>
<b>Rainfall (mm)</b>	14.8	6.1	20.7	10.9	15.1
<b>Max. temp (°C)</b>	27.7	26.5	25.8	25.7	25.1
<b>Min.Temp (°C)</b>	17.6	18.3	18.1	18	18.3
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	94	94	94	94	93
<b>Relative humidity (%) 1730 hours</b>	56	61	67	66	66
<b>Wind Speed (kmph)</b>	5	4	4	6	7
<b>Wind Direction</b>	293	290	252	248	248

### Hanur

<b>Parameter</b>	<b>11.10.2024</b>	<b>12.10.2024</b>	<b>13.10.2024</b>	<b>14.10.2024</b>	<b>15.10.2024</b>
<b>Rainfall (mm)</b>	27.1	16.5	31.8	17.8	20.1
<b>Max. temp (°C)</b>	28.6	28.2	27.1	27.6	26.5
<b>Min.Temp (°C)</b>	18.9	19.6	19.6	19.3	19.8
<b>Sky condition (Octas)</b>	8	8	8	8	8

<b>Relative humidity (%) 0830 hours</b>	97	97	96	96	96
<b>Relative humidity (%) 1730 hours</b>	68	70	76	73	75
<b>Wind Speed (kmph)</b>	4	3	3	5	5
<b>Wind Direction</b>	293	293	165	90	248

- 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)

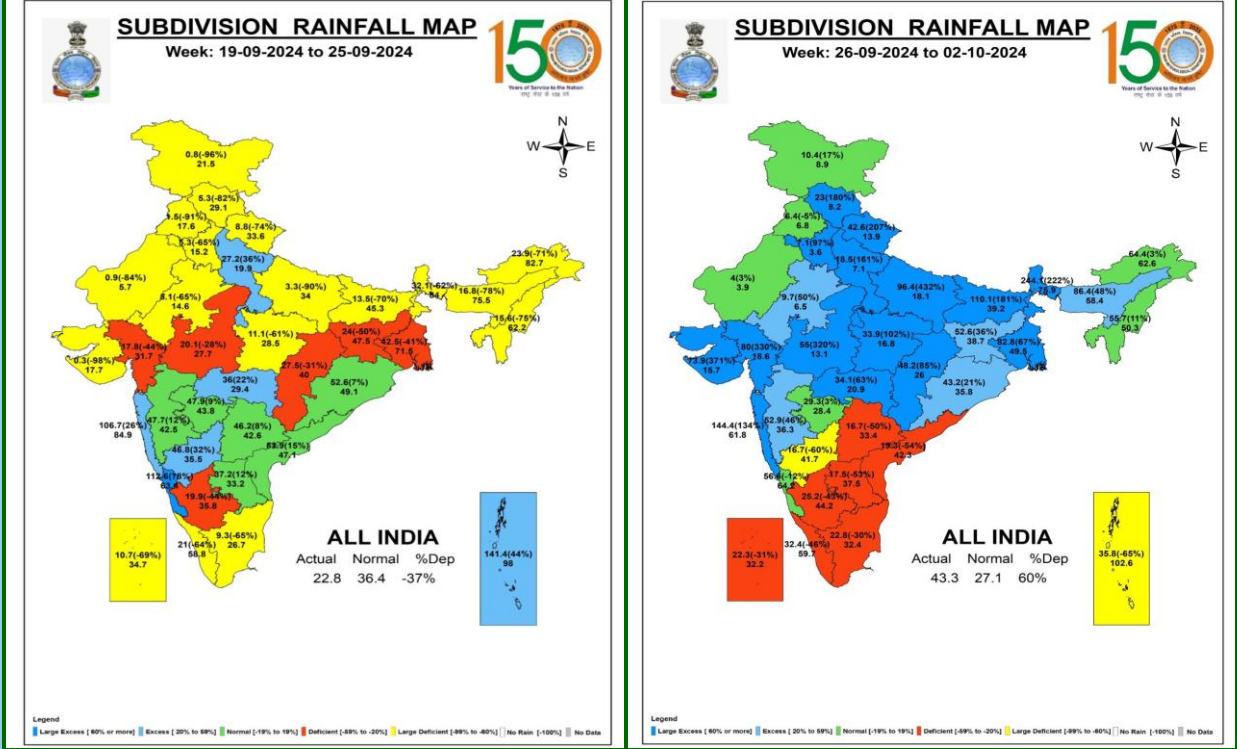
For any information farmers can contact **Dr. C. Ramachandra**, Senior Farm Superintendent/  
**Dr. Sumanth Kumar.G.V**, Technical officer over phone No. 0821-259126/ 9535345814.

**AMFU of IMD,  
Naganahalli, Mysuru**

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

**Realized Rainfall**

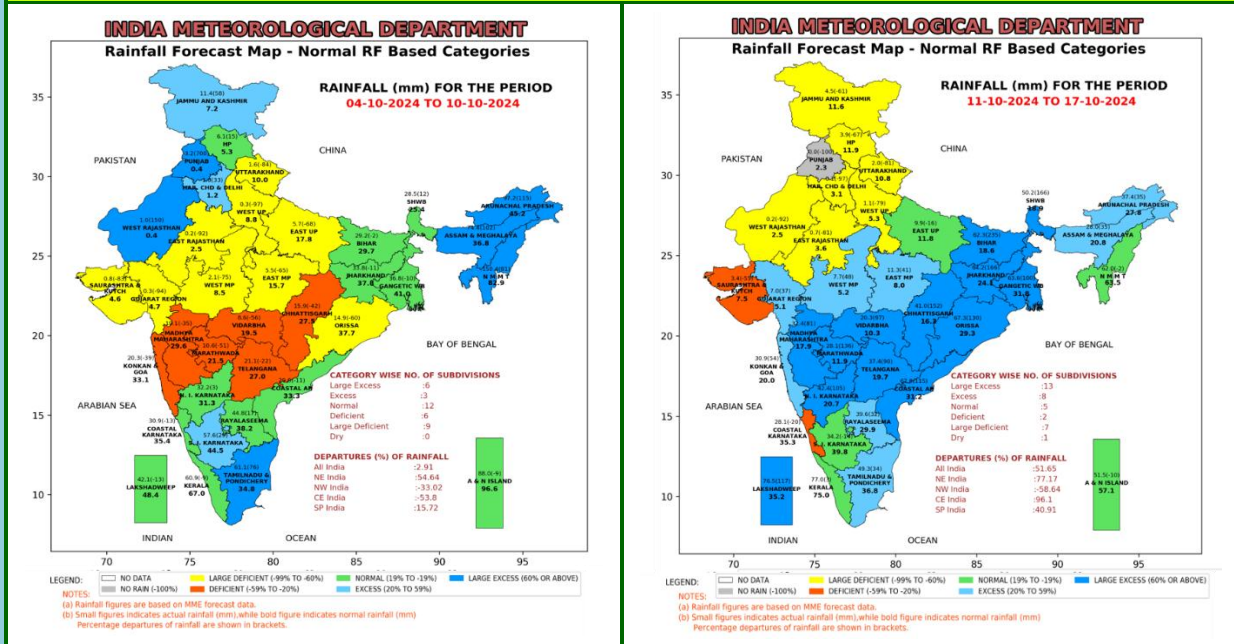
(19<sup>th</sup> September to 02<sup>nd</sup> October, 2024)





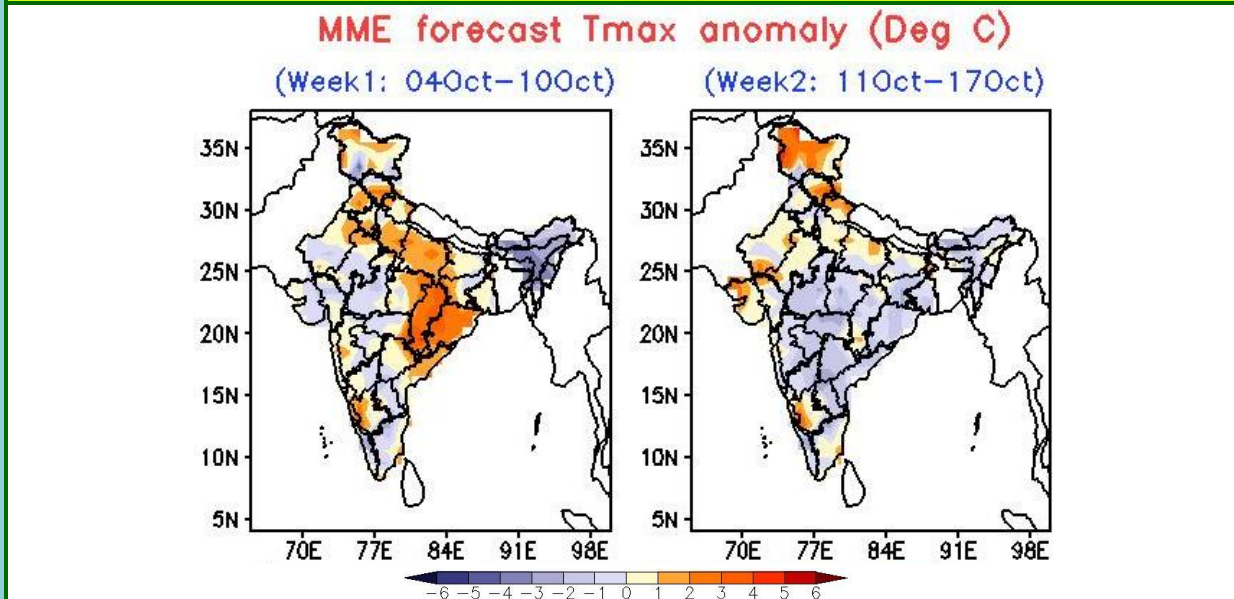
## Extended Range Forecast System

### Rainfall forecast maps for the next 2 weeks (IC- 02<sup>nd</sup> October, 2024) (04<sup>th</sup> to 17<sup>th</sup> October, 2024)



- **Week1 (04.10.2024 to 10.10.2024):** Rainfall is likely to be above normal over Northeast India and South India.
- **Week 2 (11.10.2024 to 17.10.2024):** Rainfall is likely to be above normal over East India, Chhattisgarh, Coastal Andhra Pradesh, Telangana, Madhya Maharashtra, Marathwada and North Interior Karnataka.

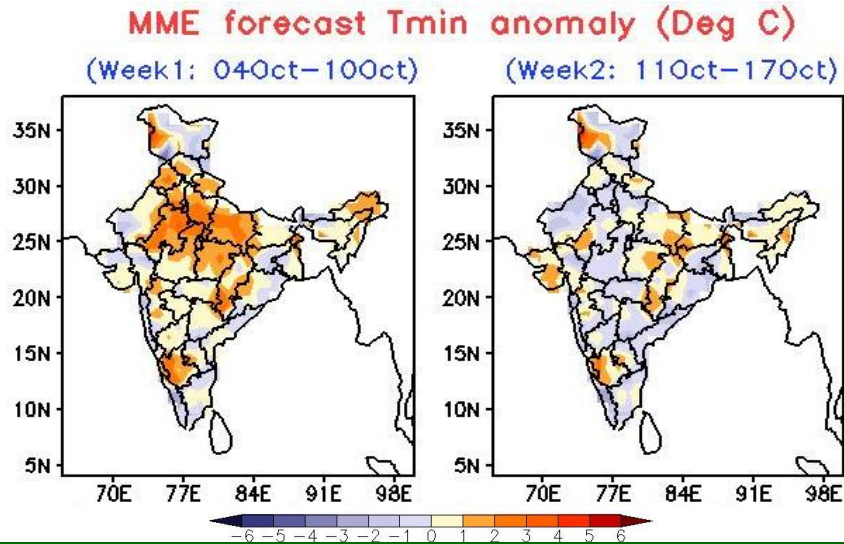
### Maximum and Minimum temperature anomaly ( °C) forecast for the next 2 weeks (IC- 02<sup>nd</sup> October, 2024) (04<sup>th</sup> to 17<sup>th</sup> October, 2024)



#### Maximum Temperature (Tmax)

- **Week 1 (04.10.2024 to 10.10.2024):** Maximum temperature is likely to be above normal over Odisha, Chhattisgarh, many parts of Northwest India, Karnataka and Coastal Andhra Pradesh.
- **Week 2 (11.10.2024 to 17.10.2024):** Maximum temperature is likely to be above normal over North India and parts of Rajasthan, Gujarat and Karnataka. It is likely to be below

normal over Central and East India.



**Minimum Temperature (Tmin)**

- **Week 1 (04.10.2024 to 10.10.2024):** Tmin is likely to be above normal over most parts of the Country.
- **Week 2 (11.10.2024 to 17.10.2024):** Tmin is likely to be above normal over Northeast India, Bihar, East Uttar Pradesh, Karnataka and Saurashtra & Kutch.