

**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 MANDYA 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>
<b>Rainfall (mm)</b>	2.4	0	0.4
<b>Max. Temp. (°C)</b>	30	29.6	31
<b>Min. Temp. (°C)</b>	-	22.8	22.3
<b>Sky condition (Octas)</b>	8	8	8
<b>Relative humidity (%) 0830 hours</b>	87	84	91
<b>Relative humidity (%) 1730 hours</b>	66	-	68
<b>Wind Speed (km/h)</b>	0	0	4
<b>Wind Direction</b>	0	0	360

**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>
<b>Rainfall (mm)</b>	33	23	38	17	31
<b>Max. temp (°C)</b>	30.9	30.5	29.9	29.8	30.4
<b>Min.Temp (°C)</b>	17.5	18.6	18.9	18.6	19.4
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	96	95	94	93	93
<b>Relative humidity (%) 1730 hours</b>	64	66	69	68	65
<b>Wind Speed (kmph)</b>	10	8	6	5	6
<b>Wind Direction</b>	214	245	202	117	158

**Forecast Summary**

As forecast received from IMD, cloudy sky with moderate rainfall may be expected from 11.10.2024 to 15.10.2024 in Mandya district. The day temperature is expected to be 29.8-30.9°C & night temperature is expected 17.5-19.4°C. The relative humidity in the morning hours is expected to be 93-96% & afternoon relative humidity is expected to be in the range of 64-69% per cent. Wind speed expected to be 5-10 km/ hr.

<b>Recommendations to the farmers:</b>			
<b>Crop</b>	<b>Pest/Disease</b>	<b>Damage symptoms</b>	<b>Control measures</b>
<b>General Advisory:</b>			
<ul style="list-style-type: none"> <li>• With consistent rainfall forecasted, ensure all fields have adequate drainage systems to prevent waterlogging, which can lead to crop diseases.</li> <li>• Regularly monitor crops for disease outbreaks due to high humidity and wet conditions, particularly in fruit and vegetable crops.</li> </ul>			
<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			

<b>Weather based advisory</b>		
<b>Crop</b>	<b>Stage</b>	<b>Advisory</b>
<b>Maize</b>	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>
<b>Paddy</b>	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>
<b>Chilli</b>	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>
<b>Ragi</b>	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>
<b>Field bean</b>	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>
<b>Banana</b>	Fruit development	<ul style="list-style-type: none"> <li>- Ensure drainage to avoid water stagnation.</li> </ul>

	stage	- Provide support to plants to prevent lodging. - Apply potassium-based fertilizers for fruit quality.
<b>Turmeric, Ginger</b>	Rhizome development stage	- Avoid waterlogging by ensuring proper drainage. - Apply organic mulching to conserve soil moisture. - Monitor for rhizome rot and take action.
<b>Black pepper</b>	Berry development stage	- Ensure proper drainage to avoid root rot. - Maintain humidity around the plants but avoid waterlogging.
<b>Coffee</b>	Berry development stage	- Avoid water stagnation in the plantation area. - Mulching can be applied to conserve soil moisture.
<b>Horticultural crops</b>	Various stages	- Provide staking or other support systems to fruit trees and crops to avoid lodging. - Avoid excess watering due to forecasted rainfall.
<b>Livestock</b>	Shelter and Feeding	- Keep animals in well-ventilated shelters, avoiding overcrowding. - Ensure dry bedding for animals. - Store fodder in dry places.
<b>Sericulture</b>	Rearing stage	- Maintain ideal temperature (24-28°C) and humidity levels (70-80%) in rearing rooms. - Protect silkworms from excess moisture and strong winds.

### Recommendation to farmers

#### Crop specific advisory:

<b>Crop</b>	<b>Stage</b>	<b>Advisory</b>
<b>Paddy Leaf folder</b>	Vegetative 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>	Vegetative 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>	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.</p>

		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. <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> Caution: Not to harvest tender coconuts/matured coconuts for 30 days from date of chemical treatment.
<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	Drench 10 lit. fungicide mixture/vine viz., 0.125 per cent Metalaxyl - MZ 72Wdiv. OR 2 per cent Copper oxychloride 50 Wdiv. Spray any one of the following fungicide in the month of August - September. Fungicides a)1% Boardeaux mixture + 3 % Potassium phosphonate b)1% Pseudomonas fluorescense. Incorporate Trichogramma (50 g) enriched compost (5 kg.) to the base of the vine.

<b>Block level weather forecast (From 11-10-2024 to 15-10-2024)</b>					
<b>Krishnarajpet</b>					
<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>	11.9	7.9	33.3	7.3	22.1
<b>Max. temp (°C)</b>	29.6	29.3	29.1	28.4	30.1
<b>Min.Temp (°C)</b>	18.9	20	20.2	19.9	20.5
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	96	95	93	92	93
<b>Relative humidity (%) 1730 hours</b>	64	65	66	68	63
<b>Wind Speed (kmph)</b>	11	9	6	5	6
<b>Wind Direction</b>	206	242	244	150	347

<b>Maddur</b>					
<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>	11.9	9.1	21.8	6.3	21.1
<b>Max. temp (°C)</b>	30.5	29.6	29.7	29.6	29.6
<b>Min.Temp (°C)</b>	20.5	21.5	21.7	21.1	21.7
<b>Sky condition (Octas)</b>	8	8	8	8	8

<b>Relative humidity (%) 0830 hours</b>	95	94	93	92	92
<b>Relative humidity (%) 1730 hours</b>	62	67	70	67	65
<b>Wind Speed (kmph)</b>	9	7	5	3	4
<b>Wind Direction</b>	234	180	165	124	15

<b>Malvalli</b>					
<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>	14.7	6.8	23.3	7.2	20.1
<b>Max. temp (°C)</b>	29.7	29	29.2	28.6	28.7
<b>Min.Temp (°C)</b>	19.8	20.8	21.1	20.5	21.1
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	95	95	94	93	92
<b>Relative humidity (%) 1730 hours</b>	60	64	69	67	65
<b>Wind Speed (kmph)</b>	8	6	5	4	4
<b>Wind Direction</b>	242	245	248	243	248

<b>Mandya</b>					
<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>	12.8	5.1	18.1	5.7	22.9
<b>Max. temp (°C)</b>	30.3	29.3	29.8	29.2	29.7
<b>Min.Temp (°C)</b>	19.9	21.1	21.4	20.8	21.3
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	95	95	94	93	93
<b>Relative humidity (%) 1730 hours</b>	61	66	67	67	64
<b>Wind Speed (kmph)</b>	10	8	6	4	5
<b>Wind Direction</b>	242	245	240	90	18

<b>Nagamangala</b>					
<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>	12.7	13.2	22.4	4.6	18.4
<b>Max. temp (°C)</b>	30.8	30.1	29.2	29.8	30.1
<b>Min.Temp (°C)</b>	19.9	20.8	20.8	20.3	20.7
<b>Sky condition (Octas)</b>	8	8	8	8	8

<b>Relative humidity (%) 0830 hours</b>	95	93	92	92	93
<b>Relative humidity (%) 1730 hours</b>	62	65	70	66	63
<b>Wind Speed (kmph)</b>	11	8	6	4	7
<b>Wind Direction</b>	214	240	203	124	21

<b>Pandavapura</b>					
<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>	13.4	3.6	28.4	6.5	26.1
<b>Max. temp (°C)</b>	29.6	29.1	29.3	28.5	29.9
<b>Min.Temp (°C)</b>	19.2	20.3	20.7	20.3	20.9
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	96	95	94	92	93
<b>Relative humidity (%) 1730 hours</b>	63	66	67	69	65
<b>Wind Speed (kmph)</b>	11	9	7	5	5
<b>Wind Direction</b>	242	245	240	288	315

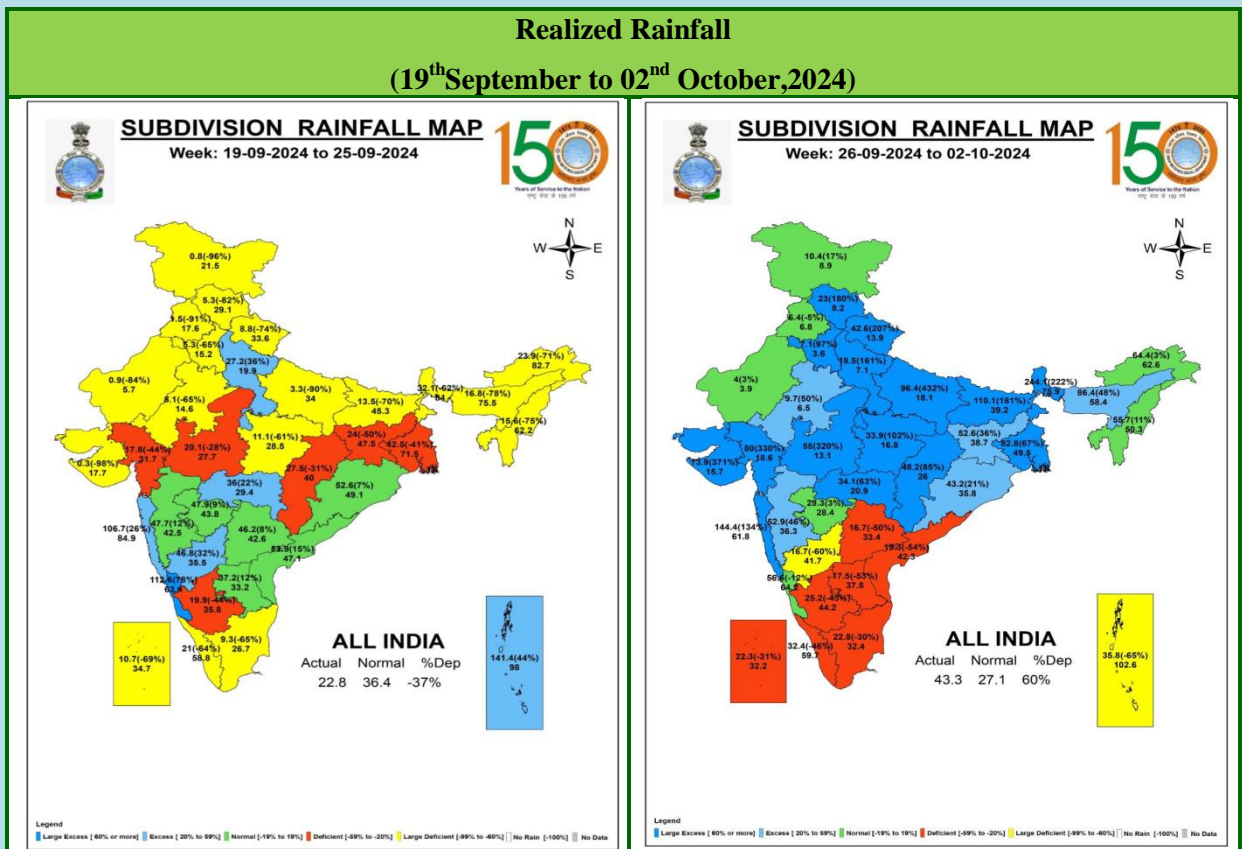
<b>Shrirangapattana</b>					
<b>Parameter</b>	<b>11.10.2024</b>	<b>12.10.2024</b>	<b>13.10.2024</b>	<b>14.10.2024</b>	<b>15.10.2024</b>
<b>Rainfall (mm)</b>	13.4	4.2	28.9	7.4	27.5
<b>Max. temp (°C)</b>	28.9	28.5	28.9	27.9	29.2
<b>Min.Temp (°C)</b>	18.7	19.9	20.2	19.9	20.5
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	95	95	94	93	93
<b>Relative humidity (%) 1730 hours</b>	64	66	67	69	65
<b>Wind Speed (kmph)</b>	11	9	7	5	5
<b>Wind Direction</b>	242	245	245	288	360

- 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.

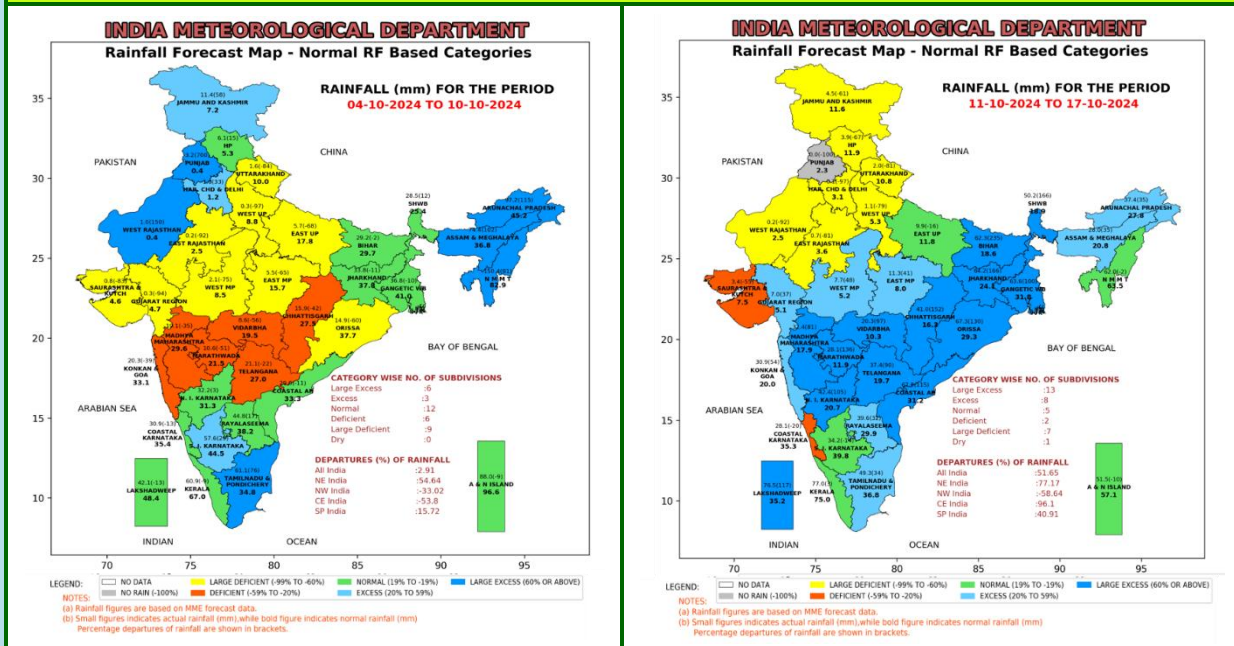
**AMFU of IMD,**  
**Naganahalli, Mysuru**

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



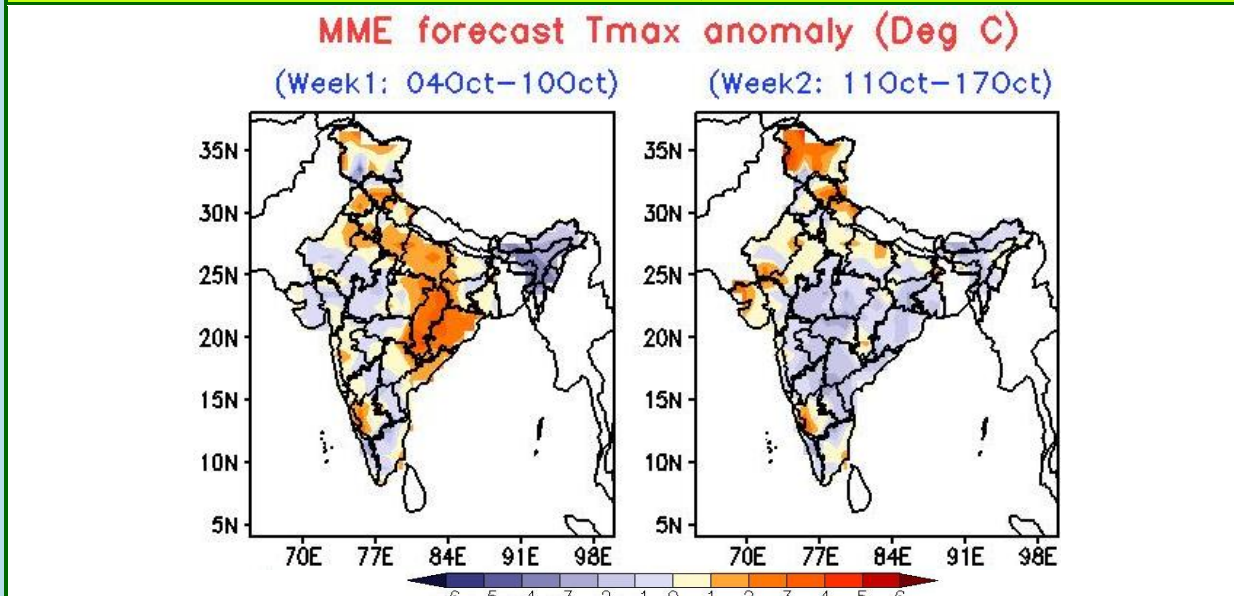
## Extended Range Forecast System

### Rainfall forecast maps for the next 2 weeks (IC- 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)

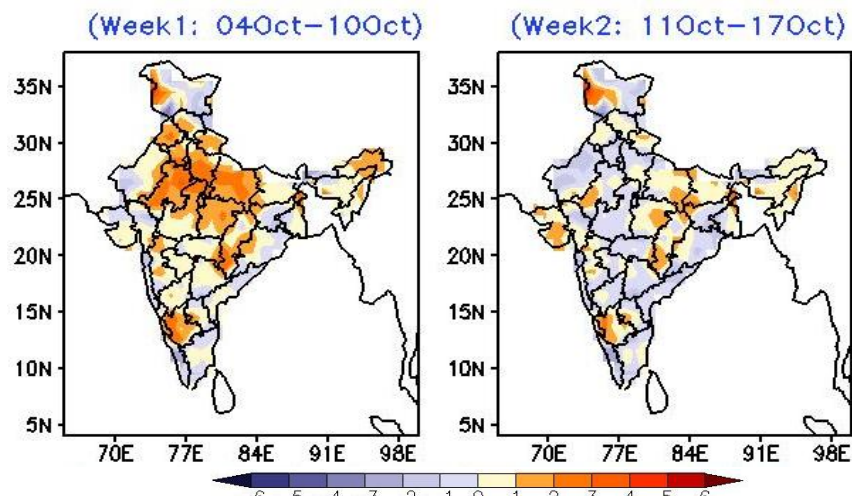


- Maximum Temperature (Tmax)**
- **Week 1 (04.10.2024 to 10.10.2024):** Maximum temperature is likely to be above normal over Odisha, Chhattisgarh, many parts of Northwest India, Karnataka and Coastal Andhra Pradesh.
  - **Week 2 (11.10.2024 to 17.10.2024):** Maximum temperature is likely to be above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



over North India and parts of Rajasthan, Gujarat and Karnataka. It is likely to be below normal over Central and East India.

### MME forecast Tmin anomaly (Deg C)



#### 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.