

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



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



**Date: 04-10-2024**

**AGRO-ADVISORY BULLETIN FOR MANDYA DISTRICT**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

**Past Weather Data**

<b>Parameter</b>	<b>02.10.2024</b>	<b>03.10.2024</b>	<b>04.10.2024</b>
<b>Rainfall (mm)</b>	0	2.3	0
<b>Max. Temp. (°C)</b>	32.6	33.2	33
<b>Min. Temp. (°C)</b>	22.4	21.3	22.9
<b>Sky condition (Octas)</b>	4	8	8
<b>Relative humidity (%) 0830 hours</b>	77	91	87
<b>Relative humidity (%) 1730 hours</b>	54	52	80
<b>Wind Speed (km/h)</b>	0	4	4
<b>Wind Direction</b>	0	180	230

**Weather forecast for the next five days (From 05-10-2024 to 09-10-2024)**

<b>Parameter</b>	<b>05.10.2024</b>	<b>06.10.2024</b>	<b>07.10.2024</b>	<b>08.10.2024</b>	<b>09.10.2024</b>
<b>Rainfall (mm)</b>	43	29	47	36	38
<b>Max. temp (°C)</b>	31.7	28.7	30.2	29.8	30.8
<b>Min.Temp (°C)</b>	19.4	18.9	18.2	18.3	18.6
<b>Sky condition (Octas)</b>	8	8	8	8	7
<b>Relative humidity (%) 0830 hours</b>	93	92	92	93	93
<b>Relative humidity (%) 1730 hours</b>	58	75	66	68	64
<b>Wind Speed (kmph)</b>	9	6	7	6	8
<b>Wind Direction</b>	283	270	249	202	238

**Forecast Summary**

As forecast received from IMD, cloudy sky with moderate rainfall may be expected from 05.10.2024 to 09.10.2024 in Mandya district. The day temperature is expected to be 30.2-32.7°C & night temperature is expected 19.1-19.6°C. The relative humidity in the morning hours is expected to be 91-94% & afternoon relative humidity is expected to be in the range of 50-59% per cent. Wind speed expected to be 5-11 km/ hr.

<b>Recommendation to farmers</b>		
<b>Crop specific advisory:</b>		
<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> 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. <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% <i>Pseudomonas fluorescens</i> . Incorporate <i>Trichogramma</i> (50 g) enriched compost (5 kg.) to the base of the vine.
<b>Weather based advisory</b>		
<b>Crop</b>	<b>Stage</b>	<b>Advisory</b>
<b>Maize</b>	<b>Vegetative stage</b>	- Ensure proper drainage to prevent waterlogging. - Apply <b>Metalaxyl</b> for downy mildew control. - Apply urea after rain for proper growth.
<b>Paddy</b>	<b>Vegetative</b>	- Improve drainage. - Apply <b>Tricyclazole</b> for blast control. - Manage bacterial leaf blight using <b>Copper oxychloride</b> or <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 05-10-2024 to 09-10-2024)****Krishnarajpet**

<b>Parameter</b>	<b>05.10.2024</b>	<b>06.10.2024</b>	<b>07.10.2024</b>	<b>08.10.2024</b>	<b>09.10.2024</b>
<b>Rainfall (mm)</b>	26.3	7.5	38.3	26.3	24.8
<b>Max. temp (°C)</b>	30.2	25.8	28	27.3	28.5
<b>Min.Temp (°C)</b>	20.9	20.2	21.2	20.4	21.2
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	91	89	90	92	92
<b>Relative humidity (%) 1730 hours</b>	57	75	62	69	65
<b>Wind Speed (kmph)</b>	10	7	8	5	8
<b>Wind Direction</b>	270	297	257	270	287

**Maddur**

<b>Parameter</b>	<b>05.10.2024</b>	<b>06.10.2024</b>	<b>07.10.2024</b>	<b>08.10.2024</b>	<b>09.10.2024</b>
<b>Rainfall (mm)</b>	28.3	18.7	36.7	14.3	16.7
<b>Max. temp (°C)</b>	31.1	27.7	28.8	29.2	30.4
<b>Min.Temp (°C)</b>	22.2	21.2	21	20.7	22.2
<b>Sky condition (Octas)</b>	8	8	7	7	6
<b>Relative humidity (%) 0830 hours</b>	93	92	93	94	94
<b>Relative humidity (%) 1730 hours</b>	56	73	67	66	60
<b>Wind Speed (kmph)</b>	9	6	7	5	8
<b>Wind Direction</b>	270	296	243	162	225

**Malvalli**

<b>Parameter</b>	<b>05.10.2024</b>	<b>06.10.2024</b>	<b>07.10.2024</b>	<b>08.10.2024</b>	<b>09.10.2024</b>
<b>Rainfall (mm)</b>	14.1	18.4	26.2	18.8	16.5
<b>Max. temp (°C)</b>	29.9	26.4	27.3	28.2	29.1
<b>Min.Temp (°C)</b>	21.5	20.7	19.9	20.1	21.1
<b>Sky condition (Octas)</b>	8	8	7	7	7
<b>Relative humidity (%) 0830 hours</b>	91	92	93	93	94
<b>Relative humidity (%) 1730 hours</b>	54	72	67	65	60
<b>Wind Speed (kmph)</b>	9	6	8	5	9
<b>Wind Direction</b>	257	285	246	203	238

**Mandya**

<b>Parameter</b>	<b>05.10.2024</b>	<b>06.10.2024</b>	<b>07.10.2024</b>	<b>08.10.2024</b>	<b>09.10.2024</b>
<b>Rainfall (mm)</b>	31	25.7	34.8	20.6	21.2
<b>Max. temp (°C)</b>	30.6	26.6	27.8	28.3	29.3
<b>Min.Temp (°C)</b>	21.8	21.1	20.6	20.4	21.6
<b>Sky condition (Octas)</b>	8	8	7	7	7
<b>Relative humidity (%) 0830 hours</b>	91	92	93	95	94
<b>Relative humidity (%) 1730 hours</b>	55	75	68	68	63
<b>Wind Speed (kmph)</b>	9	6	9	5	10
<b>Wind Direction</b>	281	293	243	203	243

**Nagamangala**

<b>Parameter</b>	<b>05.10.2024</b>	<b>06.10.2024</b>	<b>07.10.2024</b>	<b>08.10.2024</b>	<b>09.10.2024</b>
<b>Rainfall (mm)</b>	30.4	10.5	44.5	21.1	29.7
<b>Max. temp (°C)</b>	31.5	26.6	29.7	28.4	29.4
<b>Min.Temp (°C)</b>	21.4	20.7	21.2	20.3	22
<b>Sky condition (Octas)</b>	8	8	8	8	7
<b>Relative humidity (%) 0830 hours</b>	93	91	90	93	91
<b>Relative humidity (%) 1730 hours</b>	55	76	63	68	64
<b>Wind Speed (kmph)</b>	10	6	5	5	6
<b>Wind Direction</b>	304	297	296	155	293

**Pandavapura**

<b>Parameter</b>	<b>05.10.2024</b>	<b>06.10.2024</b>	<b>07.10.2024</b>	<b>08.10.2024</b>	<b>09.10.2024</b>
<b>Rainfall (mm)</b>	33.5	18	36.3	26	24.9
<b>Max. temp (°C)</b>	30.1	26	27.2	27.4	28.3
<b>Min.Temp (°C)</b>	21.3	20.7	20.7	20.2	21.1
<b>Sky condition (Octas)</b>	8	8	8	8	7
<b>Relative humidity (%) 0830 hours</b>	91	91	92	94	93
<b>Relative humidity (%) 1730 hours</b>	58	75	66	70	65
<b>Wind Speed (kmph)</b>	10	6	9	5	9
<b>Wind Direction</b>	283	281	252	248	246

**Shrirangapattana**

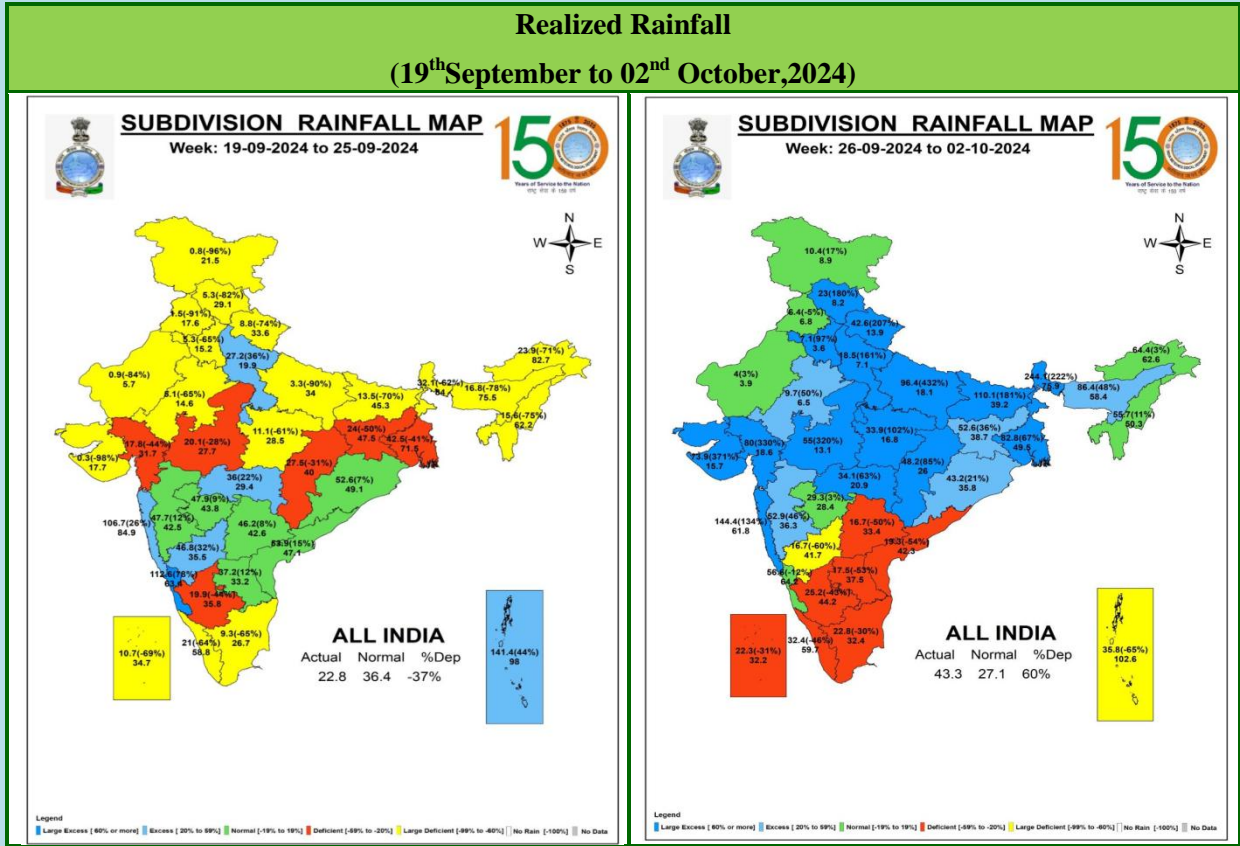
<b>Parameter</b>	<b>05.10.2024</b>	<b>06.10.2024</b>	<b>07.10.2024</b>	<b>08.10.2024</b>	<b>09.10.2024</b>
<b>Rainfall (mm)</b>	32.6	23.5	33.8	29	24.7
<b>Max. temp (°C)</b>	29.5	25.4	26.4	26.8	27.6
<b>Min.Temp (°C)</b>	20.8	20.2	19.9	19.7	20.3
<b>Sky condition (Octas)</b>	8	8	8	7	7
<b>Relative humidity (%) 0830 hours</b>	91	91	92	95	94
<b>Relative humidity (%) 1730 hours</b>	58	74	68	70	66
<b>Wind Speed (kmph)</b>	10	6	9	5	10
<b>Wind Direction</b>	283	261	248	248	246

- 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**

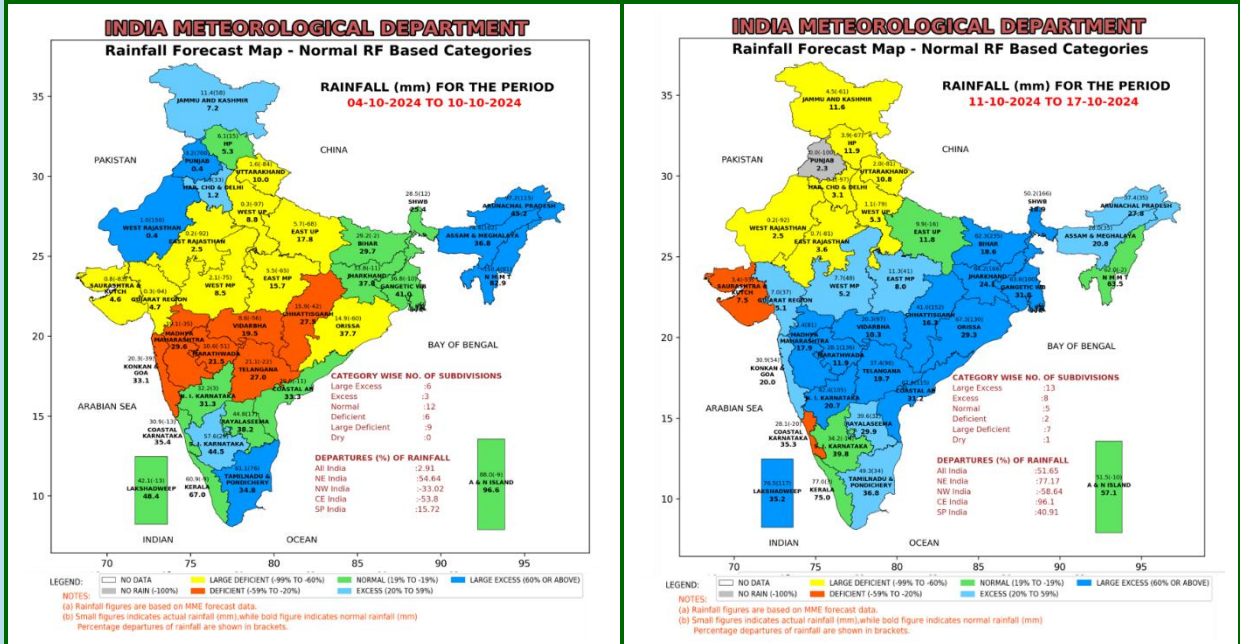
वास्तविक वर्षा तथा विस्तारित अवधि पूर्वानुमान  
**Realized Rainfall and Extended Range Forecast**  
 (वर्षा और तापमान)  
**(Rainfall and Temperature)**





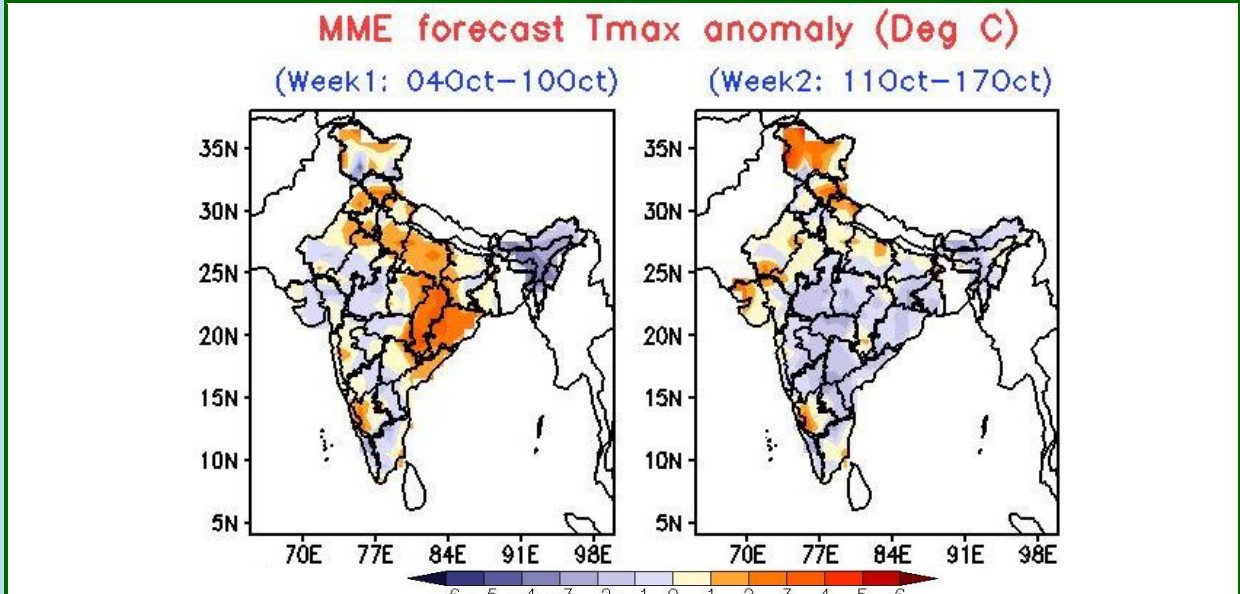
## Extended Range Forecast System

### 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)

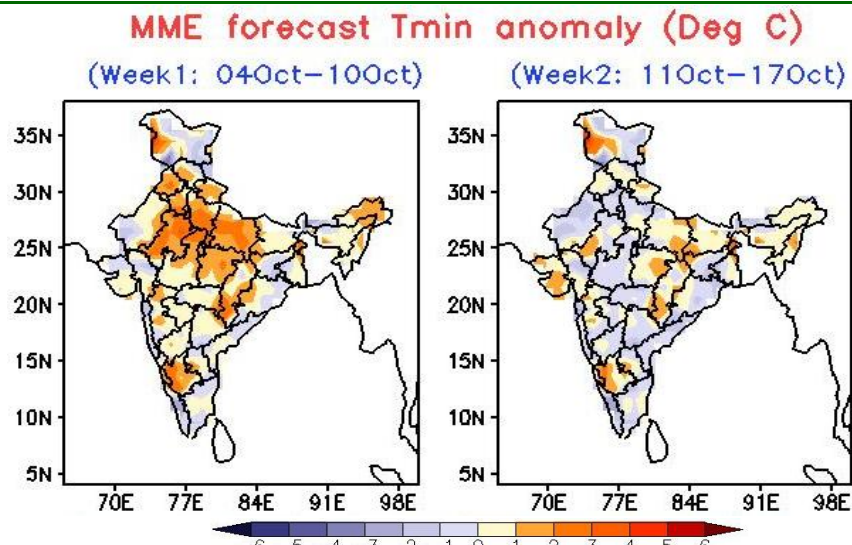


#### Maximum Temperature (Tmax)

- **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.



**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.