

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



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



**Date: 08-10-2024**

**AGRO-ADVISORY BULLETIN FOR MANDYA DISTRICT**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

**Past Weather Data**

<b>Parameter</b>	<b>06.10.2024</b>	<b>07.10.2024</b>	<b>08.10.2024</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 09-10-2024 to 13-10-2024)**

<b>Parameter</b>	<b>09.10.2024</b>	<b>10.10.2024</b>	<b>11.10.2024</b>	<b>12.10.2024</b>	<b>13.10.2024</b>
<b>Rainfall (mm)</b>	5	4	4	5	5
<b>Max. temp (°C)</b>	29.7	28	29.3	30.7	30.7
<b>Min.Temp (°C)</b>	18.7	18.1	18.4	18.9	19.4
<b>Sky condition (Octas)</b>	7	8	8	7	8
<b>Relative humidity (%) 0830 hours</b>	94	93	94	97	96
<b>Relative humidity (%) 1730 hours</b>	68	72	69	65	69
<b>Wind Speed (kmph)</b>	8	5	8	12	14
<b>Wind Direction</b>	236	180	101	90	90

**Forecast Summary**

As forecast received from IMD, cloudy sky with **light rainfall** may be expected from 09.10.2024 to 13.10.2024 in Mandya district. The day temperature is expected to be 28-30.7°C & night temperature is expected 18.1-19.4°C. The relative humidity in the morning hours is expected to be 93-97% & afternoon relative humidity is expected to be in the range of 65-72% per cent. Wind speed expected to be 5-14 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			

Recommendation to farmers		
Crop specific advisory:		
Crop	Stage	Advisory
<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. 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 fluroscence.</p> <p>Incorporate Trichogramma (50 g) enriched compost (5 kg.) to the base of the vine.</p>

### Block level weather forecast (From 09-10-2024 to 13-10-2024)

#### Krishnarajpet

Parameter	09.10.2024	10.10.2024	11.10.2024	12.10.2024	13.10.2024
<b>Rainfall (mm)</b>	18.1	4.2	6.4	21.1	3.8
<b>Max. temp (°C)</b>	31.1	29.5	28.5	30.1	29.1
<b>Min.Temp (°C)</b>	19.1	19.5	19.8	19.2	20.3
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	93	93	94	95	96
<b>Relative humidity (%) 1730 hours</b>	60	60	64	63	70
<b>Wind Speed (kmph)</b>	10	9	6	8	13
<b>Wind Direction</b>	240	234	167	115	103

**Maddur**

<b>Parameter</b>	<b>09.10.2024</b>	<b>10.10.2024</b>	<b>11.10.2024</b>	<b>12.10.2024</b>	<b>13.10.2024</b>
<b>Rainfall (mm)</b>	19.6	1.5	3	16.1	1.9
<b>Max. temp (°C)</b>	30	29	28.5	30.4	30.2
<b>Min.Temp (°C)</b>	20.4	20.5	20.5	20.1	20.7
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	94	93	95	96	96
<b>Relative humidity (%) 1730 hours</b>	63	63	68	62	67
<b>Wind Speed (kmph)</b>	8	8	4	8	11
<b>Wind Direction</b>	240	225	180	111	103

**Malvalli**

<b>Parameter</b>	<b>09.10.2024</b>	<b>10.10.2024</b>	<b>11.10.2024</b>	<b>12.10.2024</b>	<b>13.10.2024</b>
<b>Rainfall (mm)</b>	22.8	3.4	6	25.5	1.5
<b>Max. temp (°C)</b>	29	28	27.5	29.3	29.2
<b>Min.Temp (°C)</b>	19.8	19.9	20.1	19.7	20.3
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	95	94	95	95	96
<b>Relative humidity (%) 1730 hours</b>	63	62	67	63	66
<b>Wind Speed (kmph)</b>	8	6	4	6	10
<b>Wind Direction</b>	245	240	108	116	90

**Mandya**

<b>Parameter</b>	<b>09.10.2024</b>	<b>10.10.2024</b>	<b>11.10.2024</b>	<b>12.10.2024</b>	<b>13.10.2024</b>
<b>Rainfall (mm)</b>	21.2	1.3	9.4	14.5	2
<b>Max. temp (°C)</b>	29.7	29	28.3	29.8	29.2
<b>Min.Temp (°C)</b>	20.2	20.1	20.3	19.8	20.7
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	94	93	96	96	97
<b>Relative humidity (%) 1730 hours</b>	64	61	67	64	69
<b>Wind Speed (kmph)</b>	10	8	5	7	11
<b>Wind Direction</b>	245	234	243	113	72

**Nagamangala**

<b>Parameter</b>	<b>09.10.2024</b>	<b>10.10.2024</b>	<b>11.10.2024</b>	<b>12.10.2024</b>	<b>13.10.2024</b>
<b>Rainfall (mm)</b>	15.2	3.9	4	12.4	1
<b>Max. temp (°C)</b>	30.9	29.8	28.7	30.6	29.8
<b>Min.Temp (°C)</b>	19.8	20.1	19.9	19.1	20
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	93	92	94	97	96
<b>Relative humidity (%) 1730 hours</b>	62	61	66	62	67
<b>Wind Speed (kmph)</b>	10	9	6	11	13
<b>Wind Direction</b>	244	240	161	116	113

**Pandavapura**

<b>Parameter</b>	<b>09.10.2024</b>	<b>10.10.2024</b>	<b>11.10.2024</b>	<b>12.10.2024</b>	<b>13.10.2024</b>
<b>Rainfall (mm)</b>	15.8	4.1	11.3	16.8	4.2
<b>Max. temp (°C)</b>	29.8	29.4	28.1	29.5	28.7
<b>Min.Temp (°C)</b>	19.5	19.6	19.9	19.5	20.4
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	94	93	96	96	97
<b>Relative humidity (%) 1730 hours</b>	63	60	66	65	71
<b>Wind Speed (kmph)</b>	10	9	5	7	12
<b>Wind Direction</b>	245	225	210	113	72

**Shrirangapattana**

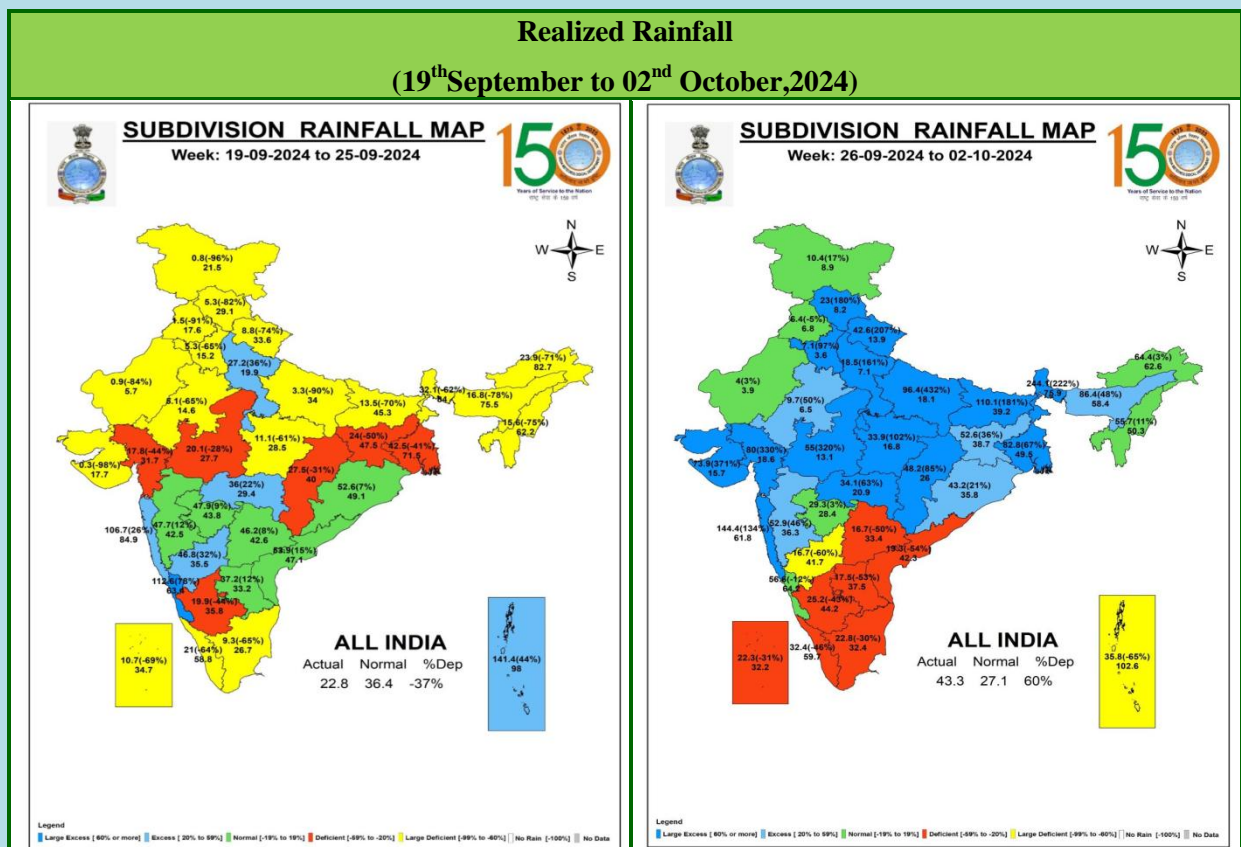
<b>Parameter</b>	<b>09.10.2024</b>	<b>10.10.2024</b>	<b>11.10.2024</b>	<b>12.10.2024</b>	<b>13.10.2024</b>
<b>Rainfall (mm)</b>	18.4	5.2	12.6	20.3	6.7
<b>Max. temp (°C)</b>	28.9	28.6	27.6	28.9	28
<b>Min.Temp (°C)</b>	19.1	19.2	19.5	19.2	20
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	94	93	96	95	97
<b>Relative humidity (%) 1730 hours</b>	64	60	65	66	71
<b>Wind Speed (kmph)</b>	10	9	5	7	12
<b>Wind Direction</b>	248	225	210	115	72

- 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.

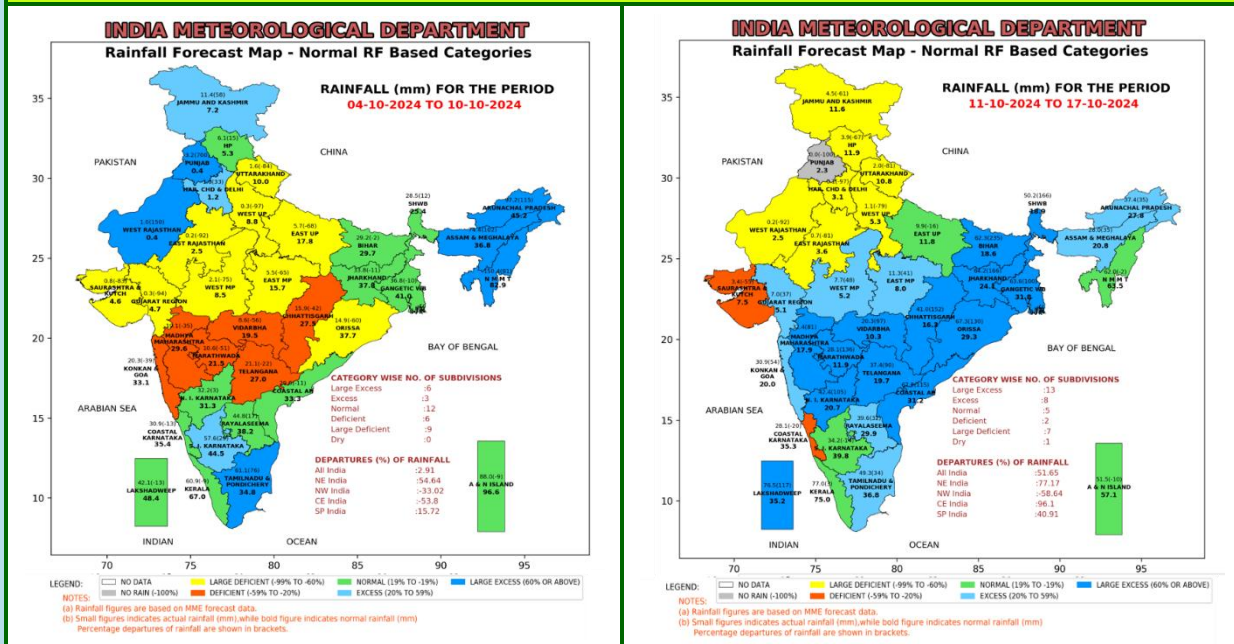
AMFU of IMD,  
Naganahalli, Mysuru

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



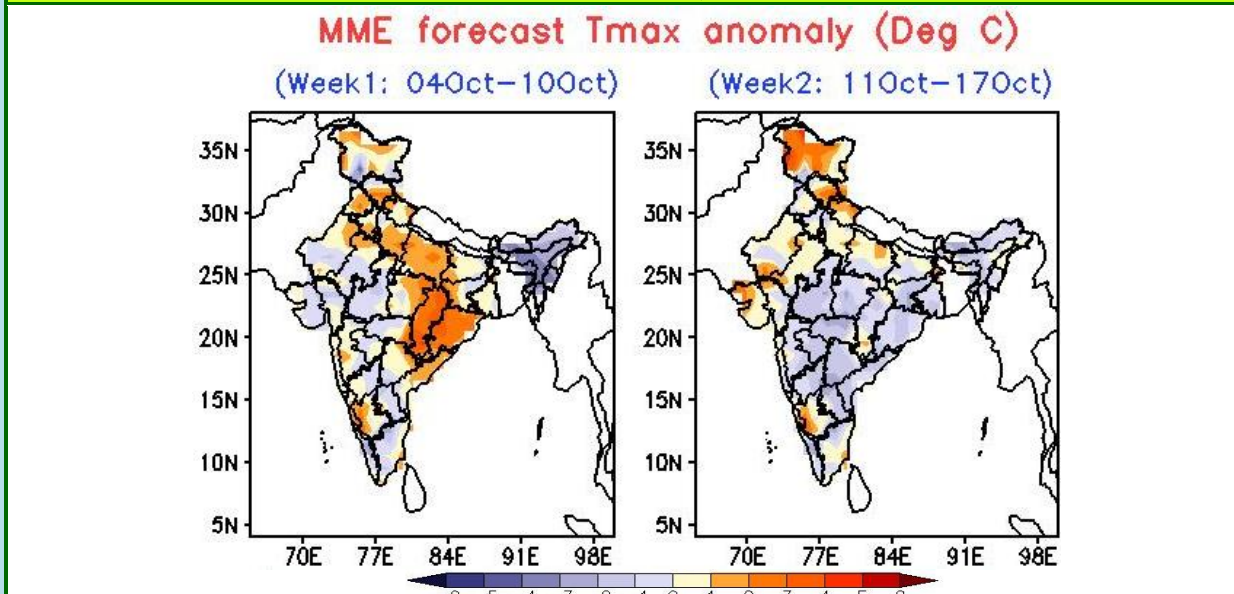
## Extended Range Forecast System

### 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.

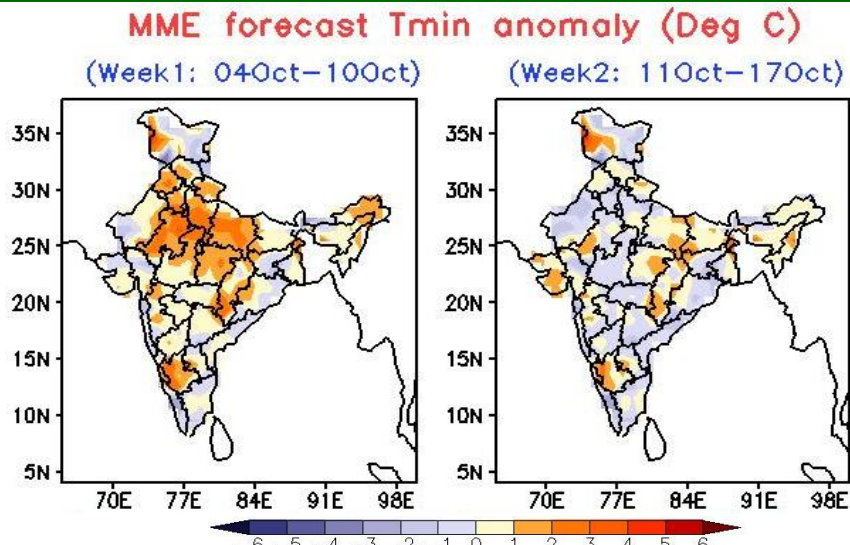
### Maximum and Minimum temperature anomaly ( °C) forecast for the next 2 weeks (IC- 02<sup>nd</sup> October, 2024) (04<sup>th</sup> to 17<sup>th</sup> October, 2024)



#### 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.



**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.