

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



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



Date: 05-11-2024

AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	01.11.2024	02.11.2024	03.11.2024	04.11.2024	05.11.2024
Rainfall (mm)	0	0.5	0	9.5	0
Max. Temp. (°C)	31.9	31.7	30.9	33.1	31.5
Min. Temp. (°C)	22.2	21.6	19.6	20.1	18.7
Sky condition (Octas)	-	-	-	-	-
Relative humidity (%) 0830 hours	95	98	-	100	99
Relative humidity (%) 1730 hours	66	-	-	83	69
Wind Speed (km/h)	-	-	-	-	-
Wind Direction	-	-	-	-	-

Weather forecast for the next five days (From 06-11-2024 to 10-11-2024)

Parameter	06.11.2024	07.11.2024	08.11.2024	09.11.2024	10.11.2024
Rainfall (mm)	4	0	0	5	5
Max. Temp. (°C)	27.4	27.5	27.7	26.8	26.9
Min.Temp. (°C)	18.1	18.1	18.1	18.9	18.9
Sky condition (Octas)	2	3	4	5	6
Relative humidity (%) 0830 hours	88	84	85	91	89
Relative humidity (%) 1730 hours	48	48	44	53	52
Wind Speed (kmph)	2.1	0.4	1.4	1.8	3.1
Wind Direction	121	90	90	53.1	35.5

Forecast Summary

As forecast received from IMD, partially cloudy sky with **light rainfall** may be expected from 06.11.2024 to 10.11.2024 in Chamarajanagara district. The day temperature is expected to be 26.8-27.5 °C & night temperature is expected 18.1-18.9 °C. The relative humidity in the morning hours is expected to be 84-91% & afternoon relative humidity is expected to be in the range of 44-53%. Wind speed expected to be 0.4-3.1 km/ hr.

Recommendations to the farmers:

Crop	Pest/Disease	Damage symptoms	Control measures
General Advisory:			
<ul style="list-style-type: none"> Adjust irrigation schedules; reduce watering as light rain helps maintain soil moisture. Regularly check soil moisture to determine if additional irrigation is necessary. Implement timely weeding, as light rain can stimulate weed growth. Use mulch to suppress weeds and retain soil moisture. Ensure good airflow around plants to reduce humidity and discourage fungal diseases. Apply preventive fungicides for susceptible crops to prevent diseases like blight and rust. Apply top dressing or fertilizers, as light rain helps absorb nutrients without risk of runoff. Use organic amendments like compost, which integrate well with light moisture. Check drainage to prevent waterlogging, even if rain is light. Use mulch to retain the moisture from light rain, keeping the soil hydrated longer. 			

Weather based advisory

Crop	Stage	Advisory
Tomato	Fruit development stage	With light rainfall, ensure the soil remains well-drained. Check for fungal diseases like early blight due to high humidity; apply preventive fungicides as needed.
Red gram	Flowering to pod initiation stage	Light rainfall is beneficial for flowering. High humidity may increase pod borer activity; use pheromone traps or neem-based sprays as a preventive measure.
Paddy	Panicle initiation stage	Light rain will help maintain soil moisture. Monitor for blast due to humidity, especially in dense planting areas. Apply fungicides if symptoms appear.
Chilli	Fruit development stage	Light rain is manageable, but ensure the soil drains well. Monitor for fruit rot and anthracnose in humid conditions; prune affected leaves and apply fungicides.
Field bean	Pod development	Light rainfall will aid pod growth. Check for aphid infestations due to humidity; use neem oil sprays if necessary.
Banana	Fruit development stage	Ensure no standing water around roots, as light rain can accumulate. Check for leaf spots due to humidity and remove infected leaves if needed.
Turmeric, Ginger	Harvesting stage	Harvesting can continue with minimal interruption. Dry harvested produce in a well-ventilated space to prevent moisture-related decay.
Black pepper	Berry development stage	Maintain drainage, especially in humid conditions. Inspect for signs of fungal issues and manage with appropriate fungicides if symptoms appear.
Coffee	Berry development stage	Ensure proper soil drainage and monitor for coffee rust in high humidity. Maintain airflow around plants to reduce fungal risks.
Horticultural crops	Various stages	Light rainfall supports growth; monitor closely for fungal diseases due to high morning humidity. Maintain mulching for consistent soil moisture.
Livestock	Shelter and Feeding	Light rain requires minimal adjustments. Keep feed areas dry to prevent spoilage, and ensure ventilation in shelters to reduce humidity.
Sericulture	Rearing stage	Maintain ventilation and ideal temperatures in rearing rooms. Avoid excessive humidity by using fans if needed, and keep feed leaves fresh for larvae.

Recommendation to farmers

Crop specific advisory:

Crop	Stage	Advisory
Tomato Early and late blight of tomato	Fruiting stage	<p>For late blight of tomato 15 days prior to transplanting Trichoderma and Pseudomonas enriched compost may be incorporated to the soil. For early blight control spray 2.0 g. Mancozeb 75 WP OR 2.0 g. Maneb OR 2.0 g. Metalaxyl- MZ 72WP. OR 2.0 g. Dimethomorph + polyram/lit. water. For control of late blight spray 2.0 g. Metalaxyl - MZ 72WP. OR 2.0 g. Fosetyl al 80 WP OR 2.0 g. Dimethomorph + polyram in a lit. water, 5 weeks after transplanting. Repeat the spray 7th, 9th and 11th weeks after transplanting. 200- 250 lit. spray solution required/acre/spray.</p>
Rice earhead bug	Panicle emergence stage	<p>> During milky stage of the crop; spray Malathion 50 EC. at 2.0 ml./lit. of water . OR > Dust 8 - 10 kg. Malathion 5 D./acre during morning hours.</p>
Rice Brown plant hoppers	Panicle emergence stage	<p>Spray any one of the following insecticides per lit. water 1) Imidacloprid 17.8 SL.- 0.5 ml. 2) Thiamethoxam 25 WG.- 0.7 g. 3) Monocrotophos 36 SL.- 1.5ml 4) Chlorpyrifos 20 EC.- 2.0 ml. 5) Buprofezin 25 EC.- 1.4ml. > Spray solution should reach the base of the plant. > Around 400 to 450 lit. spray solution required/acre. Granular insecticide kg./ac 1) Carbofuran 3 G- 8.0 2) Phorate 10 G- 5.0 3) Quinalphos 5 G - 12.0 N.B: Drain out the water and apply granules. Two days after application light irrigation may be provided.</p>
Red gram wilt	Flowering to pod initiation stage	<p>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).</p>
Red gram Sterility mosaic	Flowering to pod initiation stage	<p>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.</p>
Banana Leaf spot (Cigatoka)	Fruit development	<p>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.</p>

		d)Metham Sodium (Vapom) - 1.0 g. In Mashy area provide drainage.
Field bean pod borer	Pod development	Dust 10 kg. Fenvalrate 0.4 D. OR Malathion 5 D. per acre during morning hours.
Paddy Leaf folder	Panicle emergence 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.
Paddy Bacterial leaf blight	Panicle emergence 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.
Ginger Rhizome rot	Harvesting 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.
Pepper Quick wilt and black rot disease	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.

Block level weather forecast (From 06-11-2024 to 10-11-2024)

Chamarajanagara

Parameter	06.11.2024	07.11.2024	08.11.2024	09.11.2024	10.11.2024
Rainfall (mm)	2.1	0	0	6.9	9.5
Max. temp (°C)	27	27.1	27.1	27	26.8
Min.Temp (°C)	18.2	18	18.4	18.7	18.5
Sky condition (Octas)	3	2	5	5	5
Relative humidity (%) 0830 hours	89	85	86.7	89.6	90.4
Relative humidity (%) 1730 hours	52.6	48.5	48.7	53.8	53.2
Wind Speed (kmph)	3.7	1.6	0.4	1.8	2.8
Wind Direction	119.1	153.5	90	53.1	50.2

Gundlupete

Parameter	06.11.2024	07.11.2024	08.11.2024	09.11.2024	10.11.2024
Rainfall (mm)	1.1	0	0	9.5	8.1
Max. temp (°C)	26.9	27.2	27.1	26.9	26.8

Min.Temp (°C)	18.2	18	18.2	18.8	18.6
Sky condition (Octas)	2	2	5	5	4
Relative humidity (%) 0830 hours	86.3	83.5	87.1	88.7	89.5
Relative humidity (%) 1730 hours	51.1	47	49	53	52.9
Wind Speed (kmph)	3.4	2.9	1.4	1.9	3.7
Wind Direction	122	90	90	111.8	60.9

Kollegala

Parameter	06.11.2024	07.11.2024	08.11.2024	09.11.2024	10.11.2024
Rainfall (mm)	0.4	0	0	3.7	4.5
Max. temp (°C)	28	28.1	28.4	28.2	27.6
Min.Temp (°C)	18.9	18.6	19.1	19.5	19.2
Sky condition (Octas)	2	2	5	5	5
Relative humidity (%) 0830 hours	83.6	82.6	89.4	91.8	90.2
Relative humidity (%) 1730 hours	49	45.5	45.7	49.7	50.4
Wind Speed (kmph)	2.3	0.5	0.8	2.3	3.9
Wind Direction	108.4	135	26.5	51.3	56.3

Yelandur

Parameter	06.11.2024	07.11.2024	08.11.2024	09.11.2024	10.11.2024
Rainfall (mm)	0.6	0	0	4.4	7.7
Max. temp (°C)	27.7	27.9	28.1	28	27.4
Min.Temp (°C)	18.7	18.5	19	19.4	19.1
Sky condition (Octas)	3	2	5	5	5
Relative humidity (%) 0830 hours	85.2	83.9	89	91.3	91
Relative humidity (%) 1730 hours	50.5	46.8	46.9	51.2	52.1
Wind Speed (kmph)	2.9	0.8	0.5	2.5	3.4
Wind Direction	119.8	153.5	45	45	58

Hanur

Parameter	06.11.2024	07.11.2024	08.11.2024	09.11.2024	10.11.2024
Rainfall (mm)	1	0	0	6.4	6.9
Max. temp (°C)	26.6	27	27.1	26.7	26.2
Min.Temp (°C)	17.9	18.4	18.6	18.6	18.7
Sky condition (Octas)	3	2	6	6	6
Relative humidity (%) 0830 hours	88.2	86.5	89.6	91.3	90.7
Relative humidity (%) 1730 hours	53	48.4	48.3	54.4	55

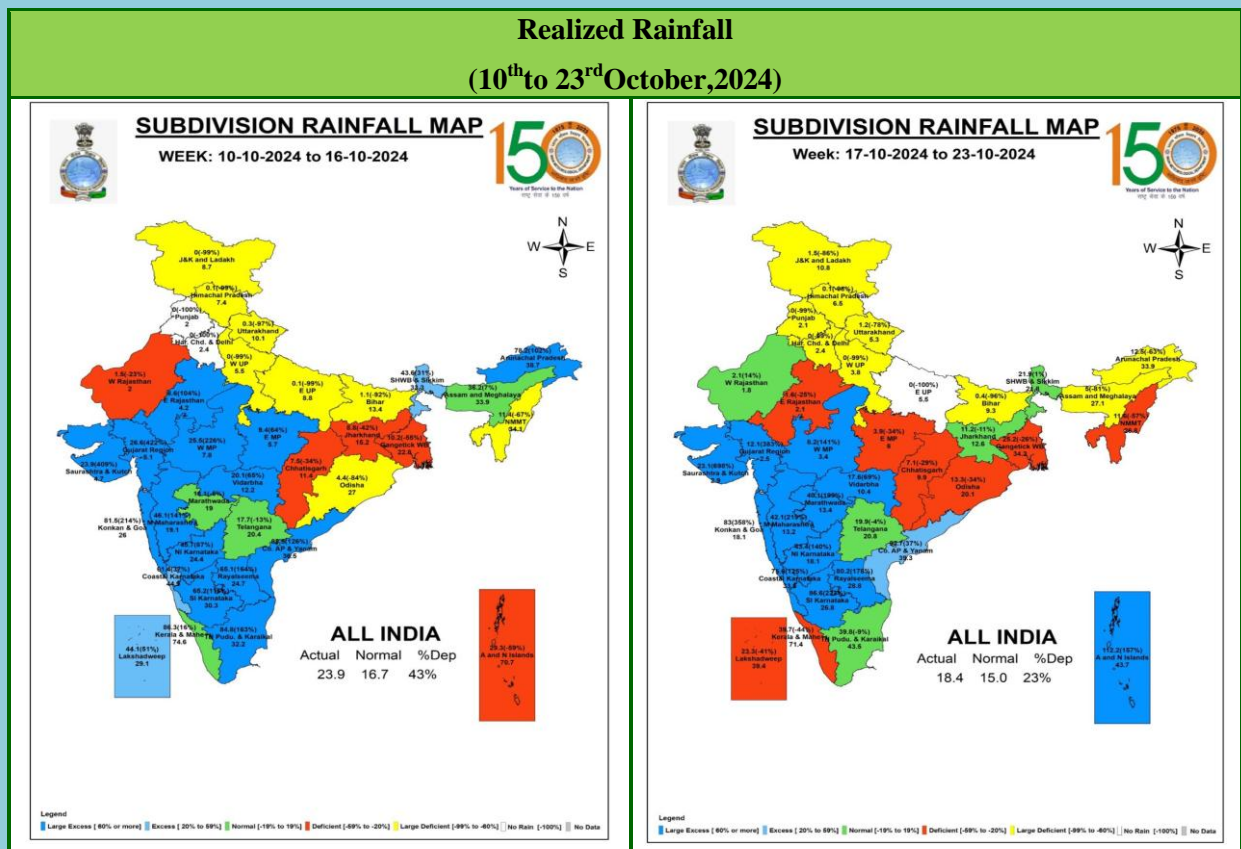
Wind Speed (kmph)	2.5	1.5	0	1.3	2.7
Wind Direction	135	135	0	56.3	66.8

- 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

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.

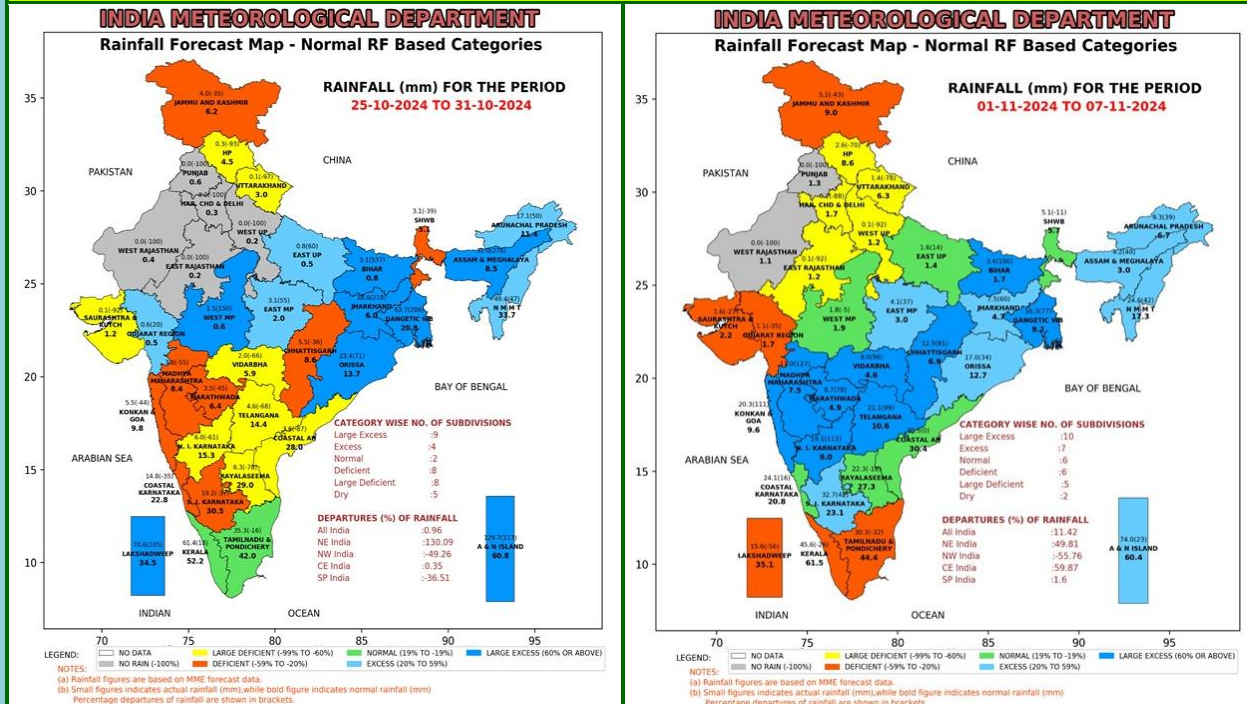
**AMFU of IMD,
Naganahalli, Mysuru**

वास्तविकवर्षातथाविस्तारितअवधिपूर्वानुमान
Realized Rainfall and Extended Range Forecast
(वर्षाऔरतापमान)
(Rainfall and Temperature)



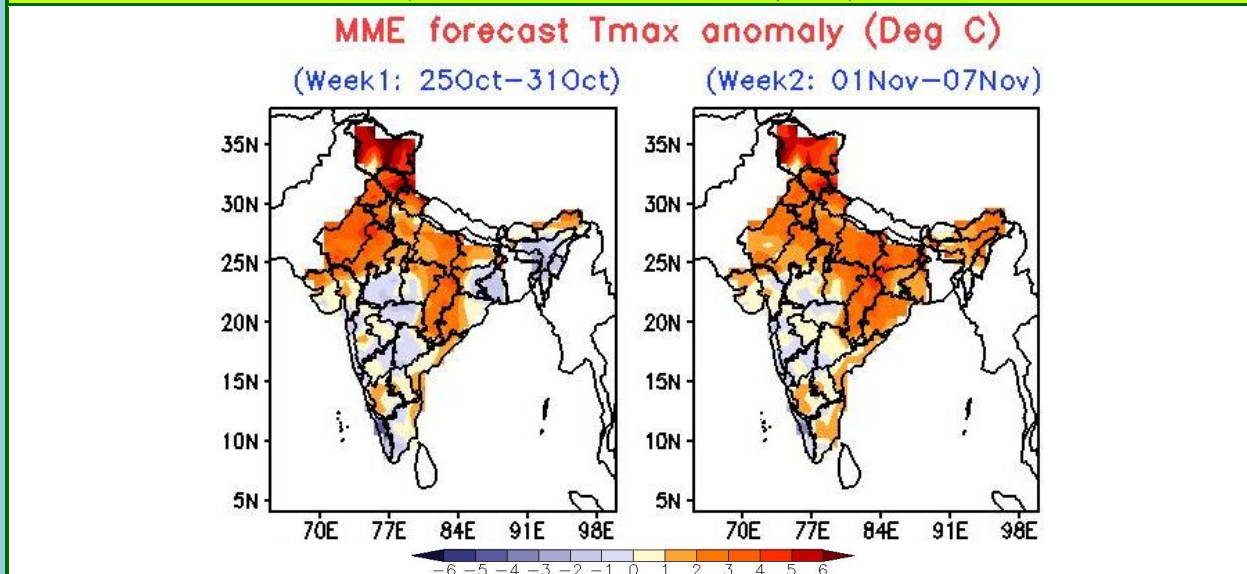
Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC- 23rdOctober, 2024) (25thOctober to 07th 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- 23rdOctober, 2024) (25thOctober to 07th November, 2024)



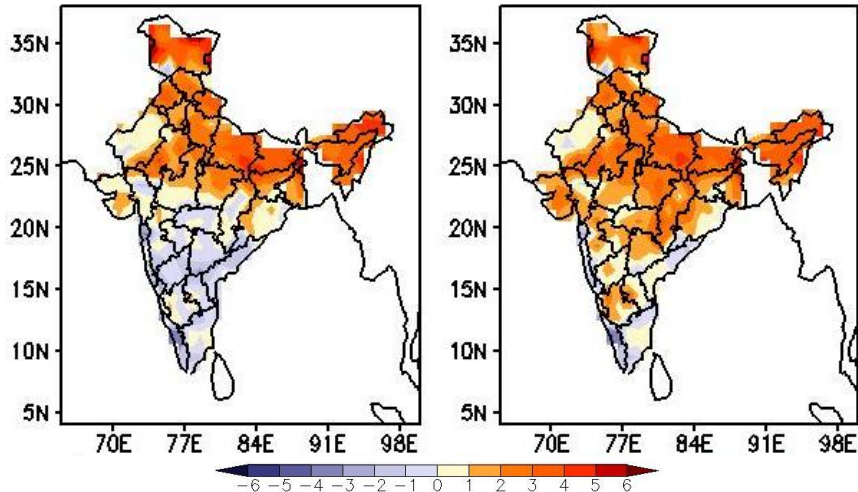
Maximum Temperature (Tmax)

- **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.