

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



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



Date: 02-08-2024

AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	30.07.2024	31.07.2024	01.08.2024	02.08.2024
Rainfall (mm)	3	0.5	10	8
Max. Temp. (°C)	27.9	28.8	27.8	29.1
Min. Temp. (°C)	21	21.1	20.4	21.1
Sky condition (Octas)	-	-	-	-
Relative humidity (%) 0830 hours	100	93	100	92
Relative humidity (%) 1730 hours	81	82	86	100
Wind Speed (km/h)	-	-	-	-
Wind Direction	-	-	-	-

Weather forecast for the next five days (From 03-08-2024 to 07-08-2024)

Parameter	03.08.2024	04.08.2024	05.08.2024	06.08.2024	07.08.2024
Rainfall (mm)	16	18	36	14	37
Max. Temp. (°C)	34.7	35.1	30.8	32.1	33
Min.Temp. (°C)	16.8	16.5	15.9	16.1	16.5
Sky condition (Octas)	8	8	8	8	7
Relative humidity (%) 0830 hours	83	85	88	85	88
Relative humidity (%) 1730 hours	57	57	64	58	50
Wind Speed (kmph)	17	14	11	11	10
Wind Direction	257	291	249	252	283

Forecast Summary

As forecast received from IMD, Cloudy sky with moderate rainfall may be expected from 03.08.2024 to 07.08.2024 in Chamarajanagara district. The day temperature is expected to be 30.8-35.1°C & night temperature is expected 15.9-16.8°C. The relative humidity in the morning hours is expected to be 83-88% & afternoon relative humidity is expected to be in the range of 50-64%. Wind speed expected to be 11-17 km/ hr.

Recommendations to the farmers:

Crop	Pest/Disease	Damage symptoms	Control measures
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General Advisory

- **Weather Monitoring:** Keep an eye on weather forecasts to anticipate heavy rains and prepare accordingly.
- **Field Inspection:** Regularly inspect fields for signs of waterlogging and take timely actions.
Pest and Disease Vigilance: Waterlogged conditions can lead to an increase in pests and diseases. Monitor crops closely and use appropriate control measures.
- **Avoid Spraying:** Due to high wind speeds.
- **Avoid Spraying:** Due to high wind speeds.
- **Monitor Soil Moisture:** Regularly check fields for signs of waterlogging and take appropriate measures to ensure proper drainage.
- **Support Plants:** Use stakes or other supports to prevent lodging in crops susceptible to toppling due to heavy rain and wind.
- **Delay Fertilizer Application:** Postpone any planned fertilizer applications until the weather conditions improve to avoid nutrient leaching and runoff.
- **Harvesting:** Delay harvesting of crops, especially those sensitive to moisture, until the heavy rainfall subsides.
- **Storage:** Store harvested produce in a safe, dry place to prevent spoilage due to high humidity and rain.
- **Tomato Fruit Problems:** Remove affected fruits promptly to prevent the spread of disease and consider using protective coverings to shield plants from excess rain.
- **Tobacco Harvesting:** Delay harvesting if possible. If immediate harvesting is necessary, ensure proper drying conditions by using artificial dryers or well-ventilated areas to prevent low-grade quality due to wet conditions.

Crop	Stage	Advisory
Tomato	Fruit development	Ensure proper drainage, remove affected fruits to prevent spread of disease, avoid irrigation, and delay fertilizer application until rainfall subsides. Use protective covering if possible.
Ginger, Turmeric & Cabbage	Rhizome development	Ensure proper drainage, avoid water stagnation, and delay fertilizer application.
Pulses (Green gram, Black gram, Cowpea, Avare, Groundnut)	Vegetative	Ensure proper drainage, avoid waterlogging, support plants if necessary, and delay fertilizer application.
Banana	Bunch development	Support plants to prevent toppling, ensure proper drainage, avoid waterlogging, and delay fertilizer application.
Paddy and Ragi	Transplanting	Ensure proper drainage, avoid waterlogging, and delay fertilizer application until rainfall reduces.
Tobacco	Harvesting	Avoid harvesting during high wind speeds and heavy rainfall, ensure proper drying conditions.
Coffee	Berry development	Ensure proper drainage, avoid waterlogging, delay fertilizer application, and support plants if necessary.
Maize, Brinjal, Sunflower, Chilli and Cotton	Vegetative	Ensure proper drainage, avoid waterlogging, support plants and delay fertilizer application.
Beans	Flowering	Ensure proper drainage, avoid waterlogging, support plants if necessary, and delay fertilizer application.

Coconut & Arecanut	Basin formation	Create basins around trees to retain moisture, ensure proper drainage, and delay further manure application until the weather stabilizes.
Maize Fall army worm	Vegetative stage	5% damage- Application of 5% neem seed kernel extract (NSKE) or azadirachtin 1500ppm @ 5ml/litre (1 litre/acre)of water. 10% damage- Whorl application of any one of the recommended insecticides for FAW, viz.,Chlorantraniliprole 18.5 SC (80 ml/acre) @ 0.4 ml/litre or Spinetoram 11.7 %SC (100ml/acre) @ 0.5 ml/litre or Emamectin benzoate 5% SG (80g/acre) @ 0.4g/litre.
Tomato Fruit borer	Fruiting	<ul style="list-style-type: none"> • Caterpillar bore the flower buds and fruits. Infested flower buds with hole and drops off, fruit with a hole, water enter through the hole leads to rotting. • Trap crop: For every 25 rows of tomato grow one row of marigold cultivar African tall. The marigold seedlings about 35-40 days old. If borer problems exceeds10 per cent spray 4 per cent. NSKE or 100 LE, Ha. NPV. If infestation in severe form spray 1.0 g. Methomil 40 SP. in a lit. water
Coconut black headed caterpillar		<ul style="list-style-type: none"> • Remove and burn the severely affected fronds. • On community basis feed the Manocrotophos 36 SL. to the palm through root. <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"> • The palm absorb the chemical within a period of 24 hours, if not after 48 hours select another root to feed the chemical. • A month after chemical treatment release larval parasites: gravid, Goniozus@ 10 - 12 /palm. <p>Caution: Not to harvest tender coconuts/matured coconuts for 30 days from date of chemical treatment.</p>
Coconut	Rhinoceros beetle	Remove the beetle from infected part and fill 2 % Quinolphos or 5 % Melathion in sand @ 1:1 ratio.
Sericulture		Ensure proper drainage in mulberry fields to prevent waterlogging. Maintain optimal humidity and ventilation in rearing houses. Check for pests and diseases due to high moisture levels.
Poultry		Ensure proper ventilation in poultry houses to avoid heat stress. Keep poultry housing dry and clean to prevent disease outbreaks. Secure structures to withstand high winds.

Livestock	Provide shelter to protect animals from heavy rain and high winds. Ensure proper drainage in animal housing areas. Maintain dry bedding to prevent hoof problems. Monitor for signs of respiratory issues and provide balanced nutrition to support immune function.
Rainwater Harvesting	Clean and maintain rainwater harvesting structures to prevent clogging. Ensure storage tanks are covered to prevent contamination. Utilize excess rainwater for irrigation during dry periods.

Block level weather forecast (From 03-08-2024 to 07-08-2024)					
Chamarajanagara					
Parameter	03.08.2024	04.08.2024	05.08.2024	06.08.2024	07.08.2024
Rainfall (mm)	0	1.1	4.5	2.5	0.8
Max. temp (°C)	24.6	25.9	22.9	24.3	24.7
Min.Temp (°C)	17.4	17.2	16.8	17	17.1
Sky condition (Octas)	8	8	8	8	7
Relative humidity (%) 0830 hours	80	81	82	81	87
Relative humidity (%) 1730 hours	55	56	59	50	46
Wind Speed (kmph)	23	19	14	15	14
Wind Direction	248	252	249	249	291

Gundlupete					
Parameter	03.08.2024	04.08.2024	05.08.2024	06.08.2024	07.08.2024
Rainfall (mm)	0.1	2.2	4.9	1.6	0.3
Max. temp (°C)	24.3	26.1	23.1	24.4	24.9
Min.Temp (°C)	17.4	17.3	16.7	17	17.2
Sky condition (Octas)	8	8	8	8	6
Relative humidity (%) 0830 hours	84	86	87	85	89
Relative humidity (%) 1730 hours	65	59	65	56	50
Wind Speed (kmph)	21	18	15	15	14
Wind Direction	248	249	248	248	248

Kollegala					
Parameter	03.08.2024	04.08.2024	05.08.2024	06.08.2024	07.08.2024
Rainfall (mm)	0	3.4	7.4	9.1	8.9
Max. temp (°C)	27.2	27.8	24.7	26.9	26.8
Min.Temp (°C)	19	18.4	18.1	18.4	18.6
Sky condition (Octas)	8	8	8	7	7

Relative humidity (%) 0830 hours	81	84	84	83	89
Relative humidity (%) 1730 hours	54	55	61	52	50
Wind Speed (kmph)	23	18	15	16	13
Wind Direction	248	252	249	248	257

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Parameter	03.08.2024	04.08.2024	05.08.2024	06.08.2024	07.08.2024
Rainfall (mm)	0.1	2.2	7.4	4.4	4.6
Max. temp (°C)	25.6	26.5	23.6	25.2	25.3
Min.Temp (°C)	17.9	17.5	17.1	17.3	17.5
Sky condition (Octas)	8	8	8	8	7
Relative humidity (%) 0830 hours	81	82	83	82	88
Relative humidity (%) 1730 hours	55	56	61	52	49
Wind Speed (kmph)	23	19	15	16	14
Wind Direction	248	252	249	248	257

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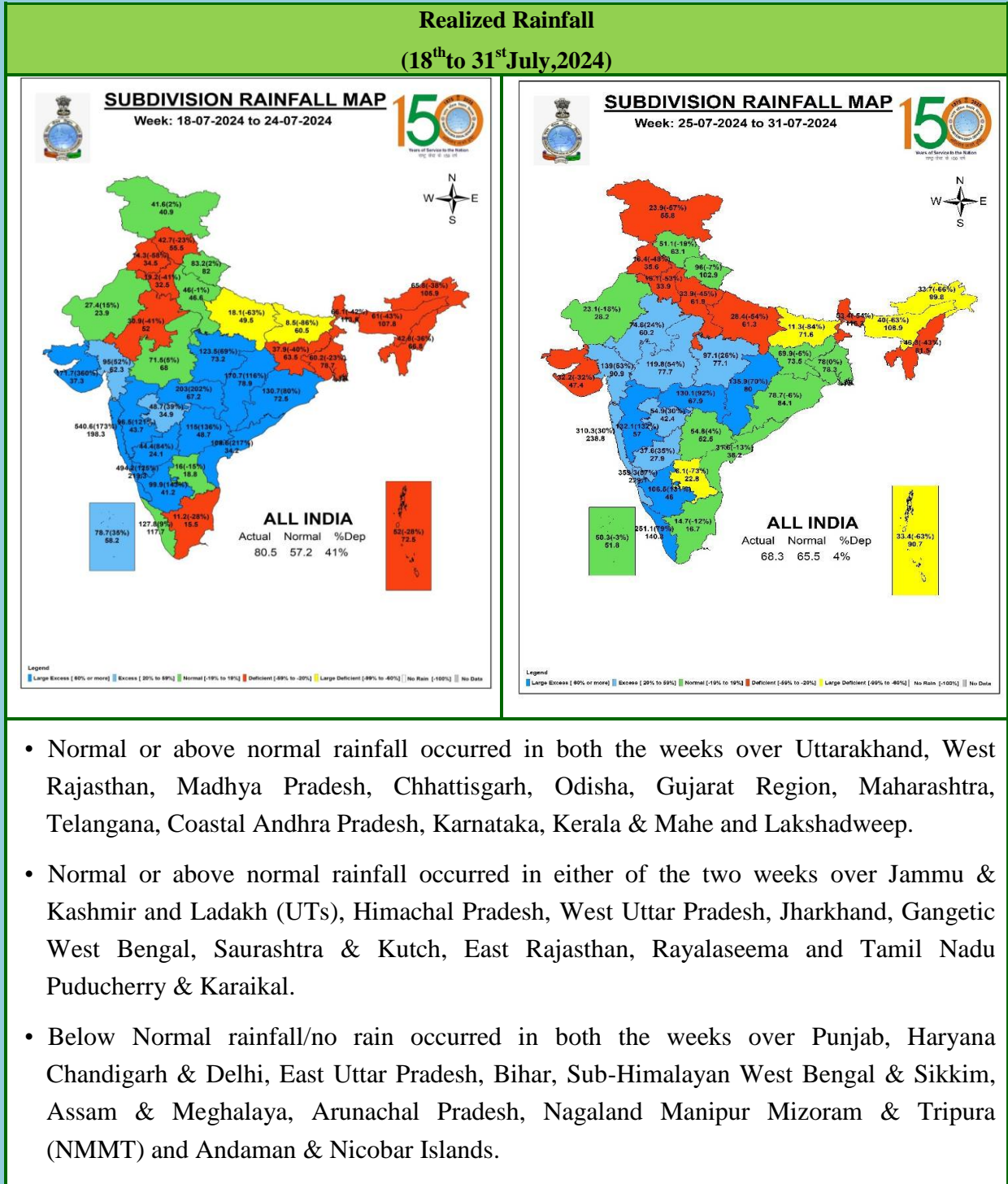
Parameter	03.08.2024	04.08.2024	05.08.2024	06.08.2024	07.08.2024
Rainfall (mm)	0.6	7.5	17.7	10.1	15.3
Max. temp (°C)	28	28.3	25.1	26.5	27.2
Min.Temp (°C)	19.1	18.6	18.3	18.6	18.8
Sky condition (Octas)	8	8	8	8	7
Relative humidity (%) 0830 hours	85	87	88	87	93
Relative humidity (%) 1730 hours	58	60	67	59	56
Wind Speed (kmph)	20	15	12	12	11
Wind Direction	248	252	249	248	288

- 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.

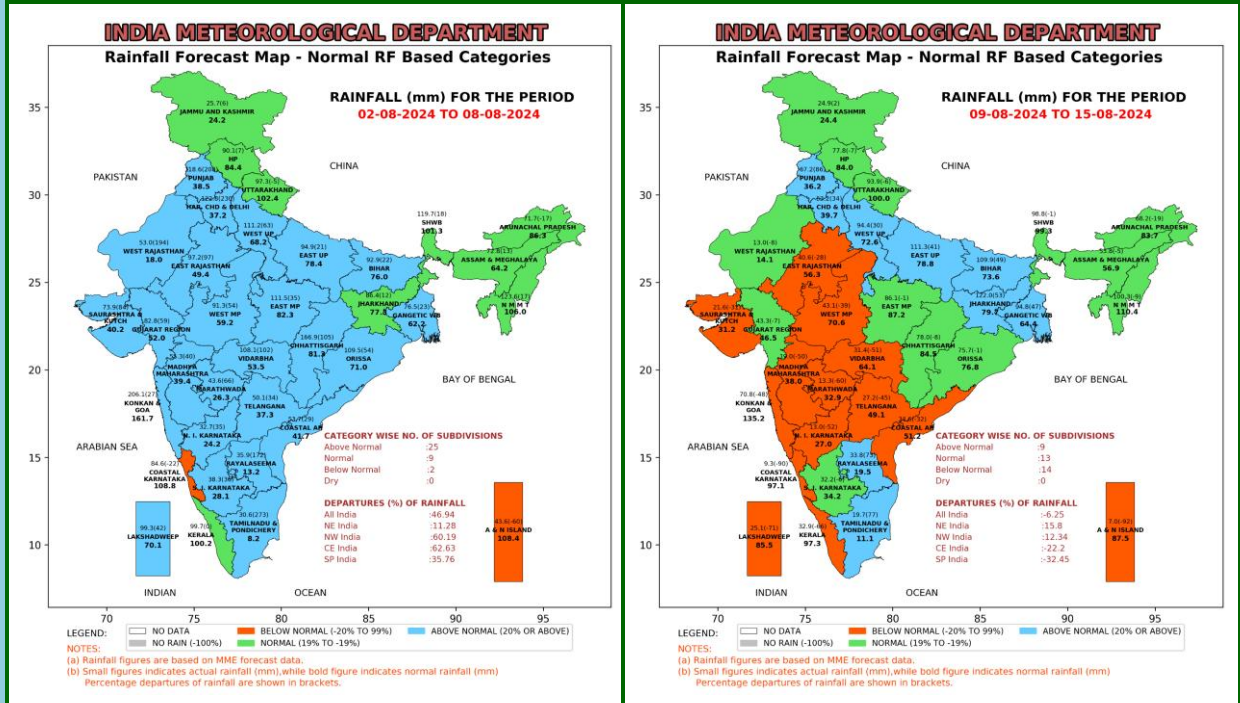
**AMFU of IMD,
Naganahalli, Mysuru**

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



Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC- 31st July, 2024) (02nd to 15th August, 2024)



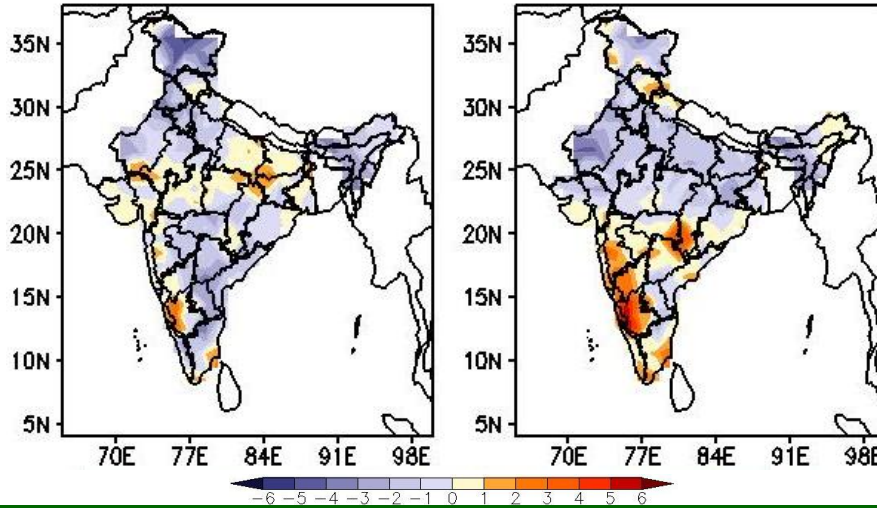
- **Week 1 (02.08.2024 to 08.08.2024):** Rainfall is likely to be above normal over most parts of the country.
- **Week 2 (09.08.2024 to 15.08.2024):** Rainfall is likely to be above normal over Northwest India and Indo Gangetic Plains. However, it is likely to be below normal over Central India, Northeast India and along West coast.

**Maximum and Minimum temperature anomaly (°C) forecast
for the next 2 weeks (IC- 31stJuly, 2024)
(02ndto 15thAugust, 2024)**

MME forecast Tmax anomaly (Deg C)

(Week1: 02Aug–08Aug)

(Week2: 09Aug–15Aug)



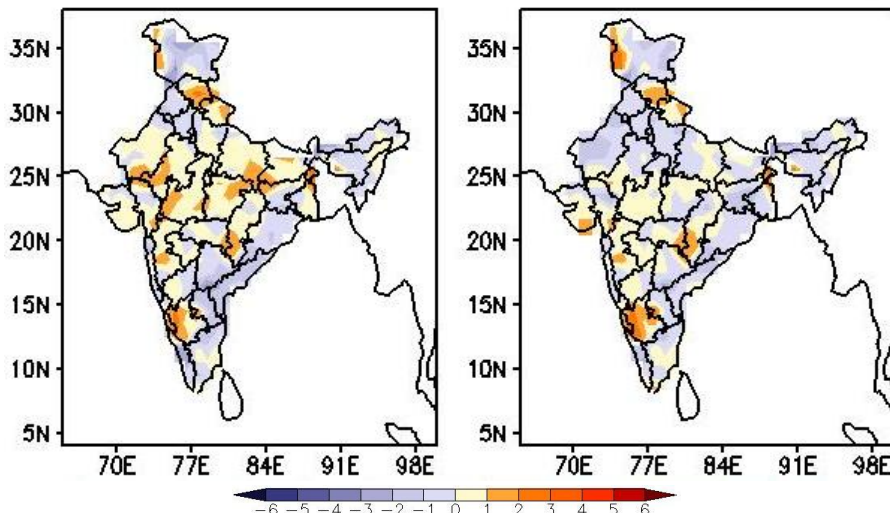
Maximum Temperature (Tmax)

- **Week 1 (02.08.2024 to 08.08.2024):**Maximum temperature is likely to be normal to below normal over most parts of the country.
- **Week 2 (09.08.2024 to 15.08.2024):** Maximum temperature is likely to above normal over South India and some parts of Central India. It is likely to be below normal over Northwest India, East India and Northeast India.

MME forecast Tmin anomaly (Deg C)

(Week1: 02Aug–08Aug)

(Week2: 09Aug–15Aug)



Minimum Temperature (Tmin)

- **Week 1 (02.08.2024 to 08.08.2024):** Minimum temperature likely to be slightly above normal over parts of Northwest India, Central India, East India and Karnataka.
- **Week 2 (09.08.2024 to 15.08.2024):** Minimum temperature likely to be slightly above normal over parts of Maharashtra, Madhya Pradesh, Chhattisgarh, Gujarat, Himachal Pradesh and Uttarakhand. It is likely to be above normal over parts of Karnataka.