

**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 MYSURU 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>	12	0	1.4
<b>Max. Temp. (°C)</b>	29	29.4	31
<b>Min. Temp. (°C)</b>	-	-	-
<b>Sky condition (Octas)</b>	6	7	8
<b>Relative humidity (%) 0830 hours</b>	92	81	85
<b>Relative humidity (%) 1730 hours</b>	100	78	66
<b>Wind Speed (km/h)</b>	0	2	2
<b>Wind Direction</b>	0	320	50

**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	6	5
<b>Max. temp (°C)</b>	29.2	27.5	28.8	31	31.7
<b>Min.Temp (°C)</b>	17.8	16.9	17.2	17.6	17.8
<b>Sky condition (Octas)</b>	8	8	8	7	8
<b>Relative humidity (%) 0830 hours</b>	94	94	94	96	96
<b>Relative humidity (%) 1730 hours</b>	69	75	70	64	70
<b>Wind Speed (kmph)</b>	6	5	7	10	11
<b>Wind Direction</b>	225	169	112	90	77

**Forecast Summary**

As forecast received from IMD, partially cloudy sky with **light rainfall** may be expected from 09.10.2024 to 13.10.2024 in Mysuru district. The day temperature is expected to be 27.5-31.7°C & night temperature is expected 16.9-17.8°C. The relative humidity in the morning hours is expected to be 94-96% & afternoon relative humidity is expected to be in the range of 64-75%. Wind speed expected to be 5-11 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.

		<p>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.</p>
<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.  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.</p>

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

<b>H.D. Kote</b>					
<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>	13	11	2.9	13.4	5.5
<b>Max. temp (°C)</b>	27.7	26.9	27.3	28.3	27.9
<b>Min.Temp (°C)</b>	18.8	19.2	19.4	19.8	20

<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	96	96	98	95	96
<b>Relative humidity (%) 1730 hours</b>	62	65	66	64	67
<b>Wind Speed (kmph)</b>	10	9	7	7	11
<b>Wind Direction</b>	242	243	244	244	69

### Hunsuru

<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>	13.2	8.1	0.2	14.7	10.3
<b>Max. temp (°C)</b>	28.7	28	27.8	28.8	28.2
<b>Min.Temp (°C)</b>	18.7	19.2	19.3	19.7	20.2
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	96	95	96	93	98
<b>Relative humidity (%) 1730 hours</b>	64	66	64	66	70
<b>Wind Speed (kmph)</b>	10	9	7	8	12
<b>Wind Direction</b>	240	238	236	248	69

### K.R. Nagara

<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>	13	5.4	1.5	15.1	9.2
<b>Max. temp (°C)</b>	29.5	28.5	27.9	29	28.1
<b>Min.Temp (°C)</b>	18.4	18.9	19.2	19.2	20
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	94	93	95	93	97
<b>Relative humidity (%) 1730 hours</b>	61	61	63	63	70
<b>Wind Speed (kmph)</b>	10	9	6	7	12
<b>Wind Direction</b>	240	225	180	113	72

### Mysuru

<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>	19.9	9	7.4	30.3	14.9
<b>Max. temp (°C)</b>	27.2	27.2	26.5	27.3	26.5
<b>Min.Temp (°C)</b>	17.9	18	18.3	18.5	19

<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	95	94	97	93	97
<b>Relative humidity (%) 1730 hours</b>	65	61	64	66	71
<b>Wind Speed (kmph)</b>	10	9	5	7	12
<b>Wind Direction</b>	248	243	243	113	72

### Nanjanagudu

<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>	17.7	8.8	0.2	22.2	5.2
<b>Max. temp (°C)</b>	25.8	25.6	25.1	26.3	25.4
<b>Min.Temp (°C)</b>	17.2	17.5	17.6	18	18.1
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	94	93	95	90	95
<b>Relative humidity (%) 1730 hours</b>	63	61	62	61	66
<b>Wind Speed (kmph)</b>	10	8	5	8	12
<b>Wind Direction</b>	248	246	244	113	72

### Piriapatna

<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>	17.2	9.4	0	11.3	5.9
<b>Max. temp (°C)</b>	29	27.6	28.1	29.4	28.8
<b>Min.Temp (°C)</b>	19	19.4	19.6	19.9	20.3
<b>Sky condition (Octas)</b>	7	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	96	96	95	92	98
<b>Relative humidity (%) 1730 hours</b>	63	67	65	67	71
<b>Wind Speed (kmph)</b>	9	8	6	7	11
<b>Wind Direction</b>	216	242	244	288	69

### T. Narasipura

<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>	24.8	6.2	6.2	24.9	1.4
<b>Max. temp (°C)</b>	26.4	25.9	25.4	26.9	26.3
<b>Min.Temp (°C)</b>	18.2	18.2	18.4	18.4	18.8

<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	94	93	95	92	95
<b>Relative humidity (%) 1730 hours</b>	64	60	65	63	67
<b>Wind Speed (kmph)</b>	9	6	5	7	10
<b>Wind Direction</b>	248	250	72	115	90

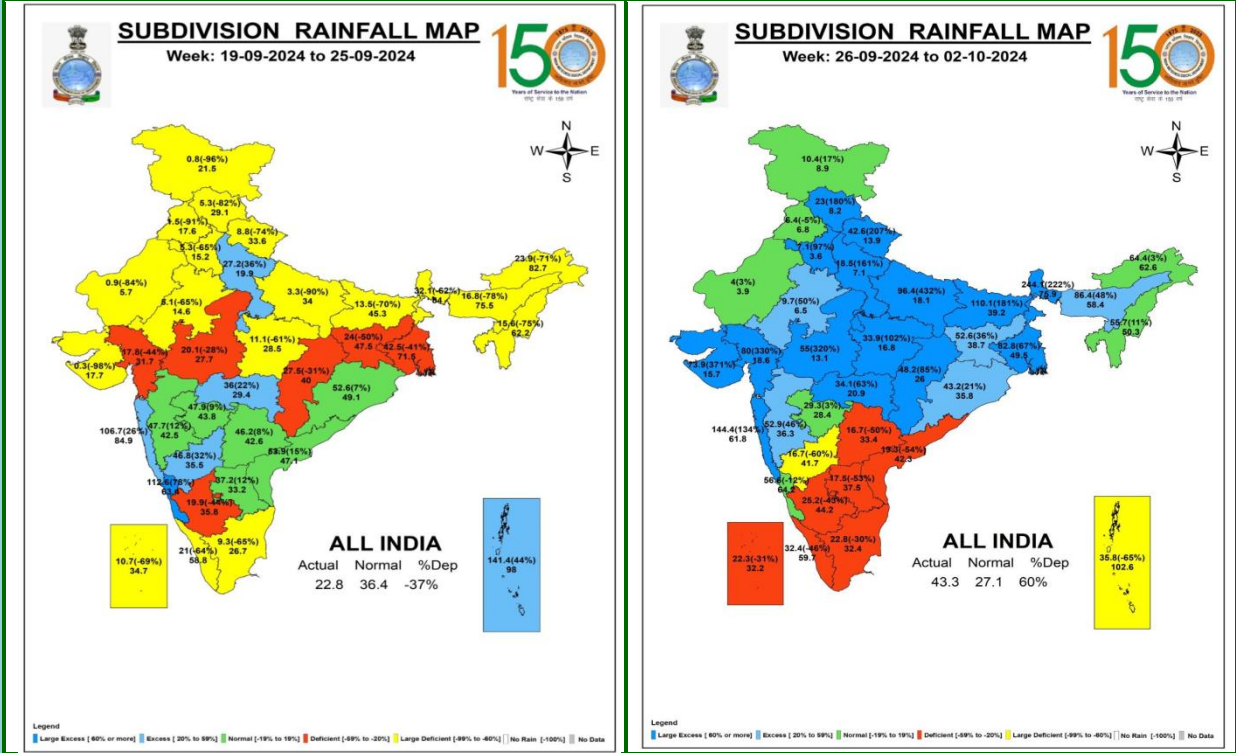
- Download “**DAMINI**” app to get early warning on lightening and take precautions based on the alert given by the application.
- Kindly download “**MAUSAM**” APP for location specific forecast & warning & “**MEGHDOOT**” APP for Agromet advisory
- This information is available in the website: [mausam.imd.gov.in](http://mausam.imd.gov.in)

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)

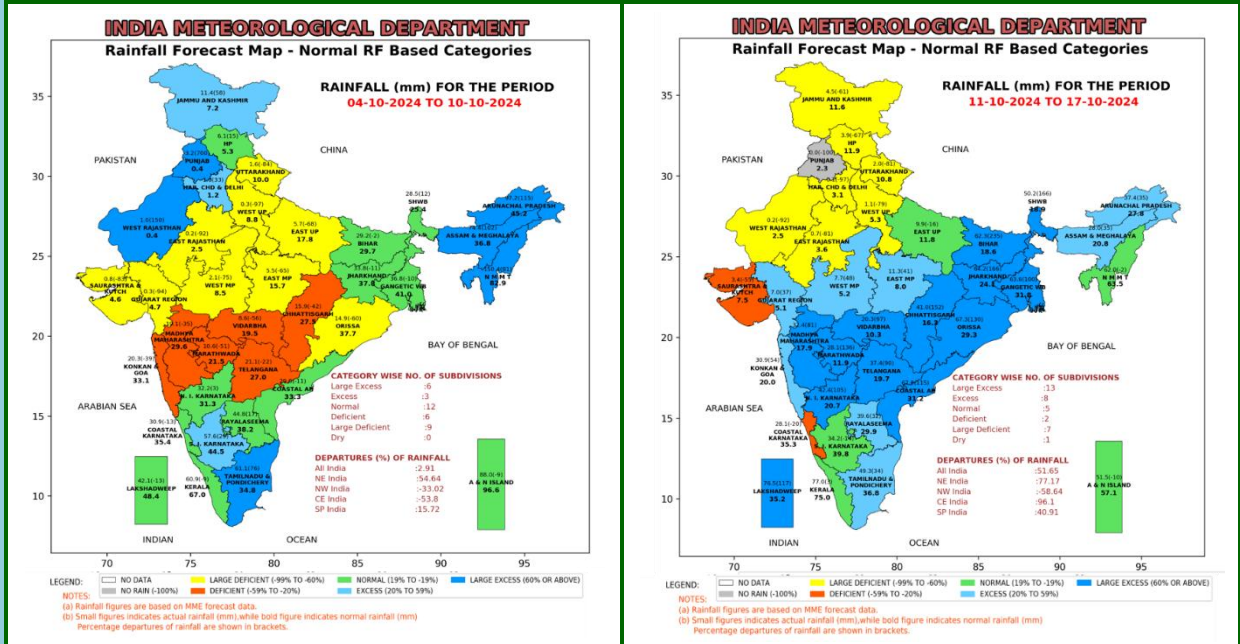
**Realized Rainfall**  
 (19<sup>th</sup> September to 02<sup>nd</sup> October, 2024)





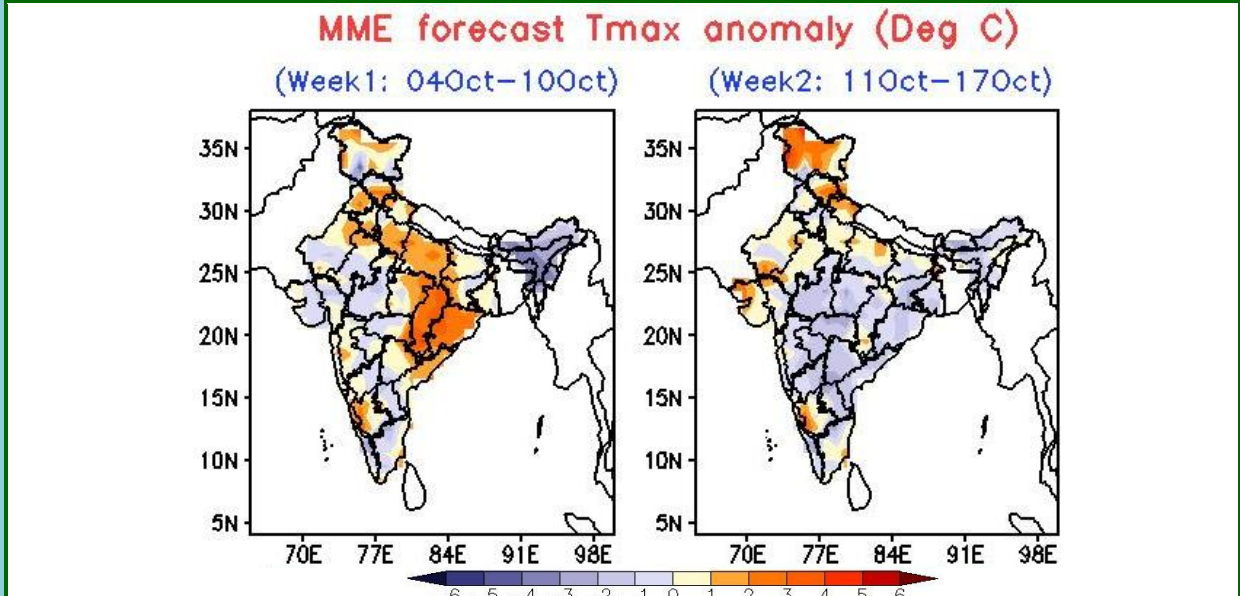
## Extended Range Forecast System

### 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)



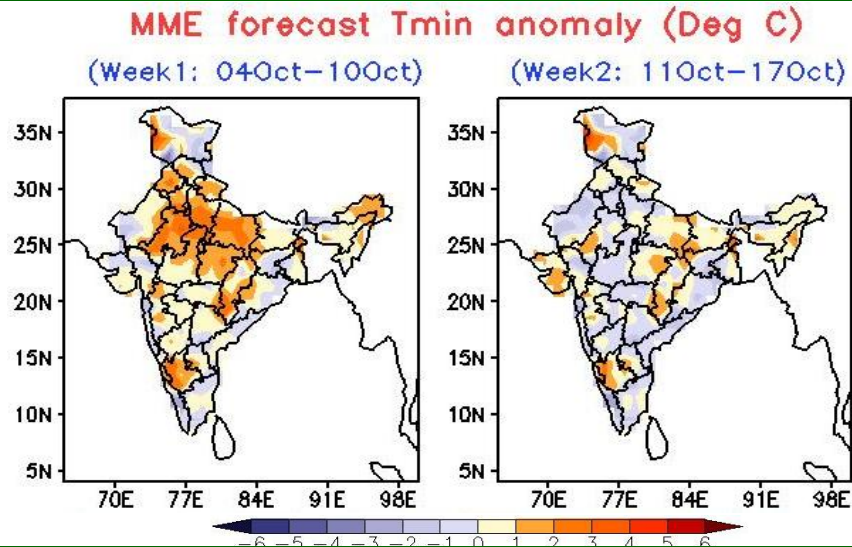
#### Maximum Temperature (Tmax)

- **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.