



**Weekly Weather Review  
20-05-2021 to 26-05-2021  
&  
Two Weeks Forecast**

**From  
M.C Lucknow  
भारत मौसम विज्ञान विभाग  
INDIA METEOROLOGICAL DEPARTMENT**

# Synoptic Features:-

- ◆ The Western Disturbance seen as a trough in mid-tropospheric westerlies with its axis at 5.8 km above mean sea level runs roughly along longitude 73°E to the north of latitude 27°N on 20th May; runs roughly along longitude 75°E to the north of latitude on 21st May and has become less marked on 22nd May.
- ◆ A Western disturbance as a cyclonic circulation lies over north Pakistan & adjoining Jammu & Kashmir at 5.8 km above mean sea level with a trough aloft at 7.6 km above mean sea level roughly along longitude 68°E to the north of latitude 20°N on 21st May; runs roughly along longitude 72°E to the north of latitude 27°N on 22nd May and moved away northeastwards on 23rd May.
- ◆ A Western Disturbance seen as a cyclonic circulation over North Pakistan and adjoining Jammu & Kashmir between 3.1km & 3.6 km above mean sea level with a trough aloft in mid & upper tropospheric westerlies with its axis at 5.8 km above mean sea level roughly along longitude 68°E to the north of latitude 25°N on 23rd May and has become less marked on 24th May.
- ◆ A Western Disturbance as a cyclonic circulation over eastern parts of Jammu & Kashmir and neighbourhood between 3.1 km & 5.8 km above mean sea level persists on 25th May; persisted at 5.8 km above mean sea level on 26th May.



# Synoptic Features:-

- ◆ The Low pressure area over northwest Madhya Pradesh & neighbourhood now lies over southwest Uttar Pradesh & neighbourhood. The associated cyclonic circulation extends upto 3.1 km above mean sea level on 20th May; lies over East Uttar Pradesh & neighbourhood extending upto 3.1 km above mean sea level on 21st May; has become less marked on 22nd May.
- ◆ A trough runs from the cyclonic circulation associated with the above system to eastcentral Arabian Sea across West Madhya Pradesh, north Madhya Maharashtra and south Konkan at 3.1 km above mean sea level on 20th May; runs from cyclonic circulation over East Uttar Pradesh & neighbourhood to Coastal Karnataka across East Madhya Pradesh, Madhya Maharashtra and North Interior Karnataka between 1.5 & 3.1 km above mean sea level on 21st May; has become less marked on 22nd May.
- ◆ A cyclonic circulation lies over northwest Rajasthan & neighbourhood and extends upto 2.1 km above mean sea level on 21st May; lies over north Rajasthan & neighbourhood and extends upto 2.1 km above mean sea level on 22nd May and has become less marked on 23rd May.
- ◆ A cyclonic circulation lies over Northern parts of Central Madhya Pradesh at 0.9 km above mean sea level on 23rd May and has become less marked on 24th May.
- ◆ A cyclonic circulation lies over south Bihar & neighbourhood and extends upto 3.1 km above mean sea level on 24th May and has become less marked on 25th May.



# Synoptic Features:-

- ◆ A cyclonic circulation lies over central Pakistan & adjoining West Rajasthan at 0.9 km above mean sea level on 25th May; persisted over same place upto 1.5 km above mean sea level on 26th May.
- ◆ The Well Marked Low Pressure Area over Eastcentral Bay of Bengal persists and the associated cyclonic circulation extending upto mid tropospheric levels also persists on 23rd May; The Cyclonic Storm 'Yaas' (pronounced as 'Yass') over Eastcentral Bay of Bengal moved northwestwards with a speed of 02 kmph during past 06 hours , and lay centred at 0830 hrs IST of 24th May, 2021 over Eastcentral Bay of Bengal near latitude 16.4°N and longitude 89.6°E, about 620 km north-northwest of Port Blair (Andaman Islands), 530 km south-southeast of Paradip (Odisha), 630 km south-southeast of Balasore (Odisha) and 620 km south-southeast of Digha (West Bengal) on 24th May; lies over Eastcentral & adjoining Westcentral Bay of Bengal moved northwestwards with a speed of about 17 kmph during past 06 hours, and lay centred at 0830 hrs IST of today, the 25th May, 2021 over Westcentral & adjoining Eastcentral & North Bay of Bengal near latitude 18.3°N and longitude 88.3°E, about 280 km south-southeast of Paradip (Odisha), 380 km south-southeast of Balasore (Odisha) and 370 kmsouth-southeast of Digha (West Bengal) and 370 km south-southwest of Sagar Islands (West Bengal) on 25th May; lies over northwest Bay of Bengal moved north-northwestwards with a speed of about 17 kmph during past 6 hours, and lay centred at 0830 hrs IST of 26th May, 2021 over northwest Bay of Bengal close to north Odisha coast near latitude 21.2°N and longitude 87.3°E , about 45 km north-northeast of Dhamra, 40 km southsoutheast of Balasore (Odisha) and 50 km southwest of Digha (West Bengal) on 26th May.



# Weather Forecast and Warning:

DATE	WEST U.P.		EAST U.P.	
	FORECAST	WARNING	FORECAST	WARNING
20-05-2021	Rain/Thunderstorm very likely at a few places.	<ol style="list-style-type: none"> <li>1. Thunderstorm accompanied with lightning &amp; gusty winds(30-40 KMPH) is very likely at isolated places.</li> <li>2. Heavy rainfall is very likely at isolated places</li> </ol>	Rain/Thunderstorm very likely at many places.	<ol style="list-style-type: none"> <li>1. Thunderstorm accompanied with lightning &amp; gusty winds(30-40 KMPH) is very likely at isolated places.</li> <li>2. Heavy rainfall is very likely at isolated places</li> </ol>
21-05-2021	Rain/Thunderstorm very likely at a few places.	Nil	Rain/Thunderstorm very likely at isolated places.	Nil
22-05-2021	Weather is most likely dry	NIL	Weather is most likely dry	NIL



# Weather Forecast and Warning:

DATE	WEST U.P.		EAST U.P.	
	FORECAST	WARNING	FORECAST	WARNING
23-05-2021	Weather is most likely dry	NIL	Weather is most likely dry	NIL
24-05-2021	Weather is most likely dry	Strong surface winds likely at isolated places.	Weather is most likely dry	NIL
25-05-2021	Weather is most likely dry	NIL	Rain/Thunderstorm very likely at isolated places.	Thunderstorm accompanied with lightning & gusty winds(30-40 KMPH) is very likely at isolated places.
26-05-2021	Weather is most likely dry	NIL	Rain/Thunderstorm very likely at a few places.	Thunderstorm accompanied with lightning & gusty winds(30-40 KMPH) is very likely at isolated places.



# Weather Observed and Chief Amount of Rainfall:

DATE	WEST U.P.		EAST U.P.	
	OBSERVED	Chief Amount of Rainfall (cm)	OBSERVED	Chief Amount of Rainfall (cm)
21-05-2021	Light to moderate rainfall occurred at many places with heavy rain occurred at isolated places. Thunderstorm accompanied with lightning occurred at isolated places.	Najibabad (t) (dist Bijnor)- 10; Thakurdwara (dist Moradabad)- 8; Pawayan (dist Shahjahanpur), Suar (dist Rampur), Baheri (dist Bareilly)-7 each;	Light to moderate rainfall occurred at many places with heavy rain occurred at isolated places. Thunderstorm accompanied with lightning occurred at isolated places.	Dhaurahara (dist Kheri), Nichloul (dist Maharajganj)- 10 each; Katarniaghat (dist Bahraich), Kunda (dist Pratapgarh)- 9 each; Bhinga (dist Shrawasti), Kakerdarighat (dist Shrawasti), Kakrahi (dist Siddharth Nagar)-7 each
22-05-2021	Light to moderate rain/thundershower accompanied with thunderstorm & lightning occurred at isolated places.	Sasni (dist Mahamaya Nagar)-3; Bulandshahr (dist Bulandshahr), Sadabad (dist Mahamaya Nagar), Dadri (dist Gautam Buddha Nagar)-2 each;	Light to moderate rain/thundershower occurred at isolated places.	Tulsipur (dist Balrampur)-2; Gorakhpur (dist Gorakhpur), Kakerdarighat (dist Shrawasti), Birdghat (dist Gorakhpur) 1 each.
23-05-2021	<b>Weather was dry</b>	-----	<b>Weather was dry</b>	-----
24-05-2021	Very Light Rain/Thundershowers accompanied with thunderstorm & lightening occurred at	Jhansi-0.1	<b>Weather was dry</b>	-----

# Weather Observed and Chief Amount of Rainfall:

DATE	WEST U.P.		EAST U.P.	
	OBSERVED	Chief Amount of Rainfall (cm)	OBSERVED	Chief Amount of Rainfall (cm)
25-05-2021	Weather was dry	-----	Weather was dry	-----
26-05-2021	Weather was dry	-----	Very Light to light rain/thundershowers occurred at isolated places	Churk(Sonbhadra)-Trace
27-05-2021	Weather was dry	-----	Very Light to light rainfall occurred at isolated places	Gaighat(Ballia FM)-3; Sakaldiah(Chandauli)-, Nautanwa, Pharenda (Maharajganj)- each;

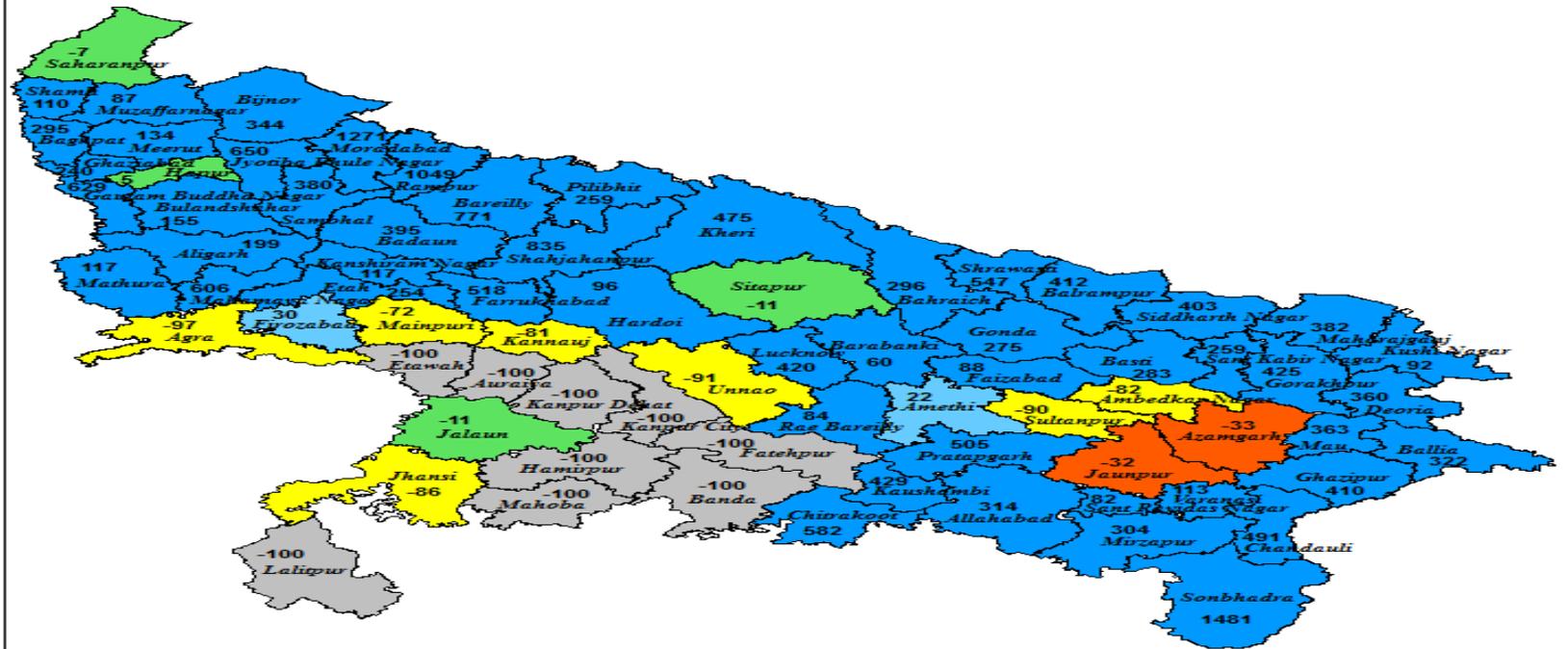


# WEEK (21<sup>st</sup> May-27<sup>th</sup> May) RAINFALL

## INDIA METEOROLOGICAL DEPARTMENT MC LUCKNOW

**Rainfall % Departures from the Long Period Averages  
for Districts in UTTAR PRADESH**

**PERIOD : 21.05.2021 - 27.05.2021**



**LEGEND:** ■ L. EXCESS (+60% OR MORE) ■ EXCESS (+20% TO +59%) ■ NORMAL (+19% TO -19%)  
 ■ DEFICIENT (-20% TO -59%) ■ L. DEFICIENT (-60% TO -99%) ■ NO RAIN [-100%] ■ NO DATA

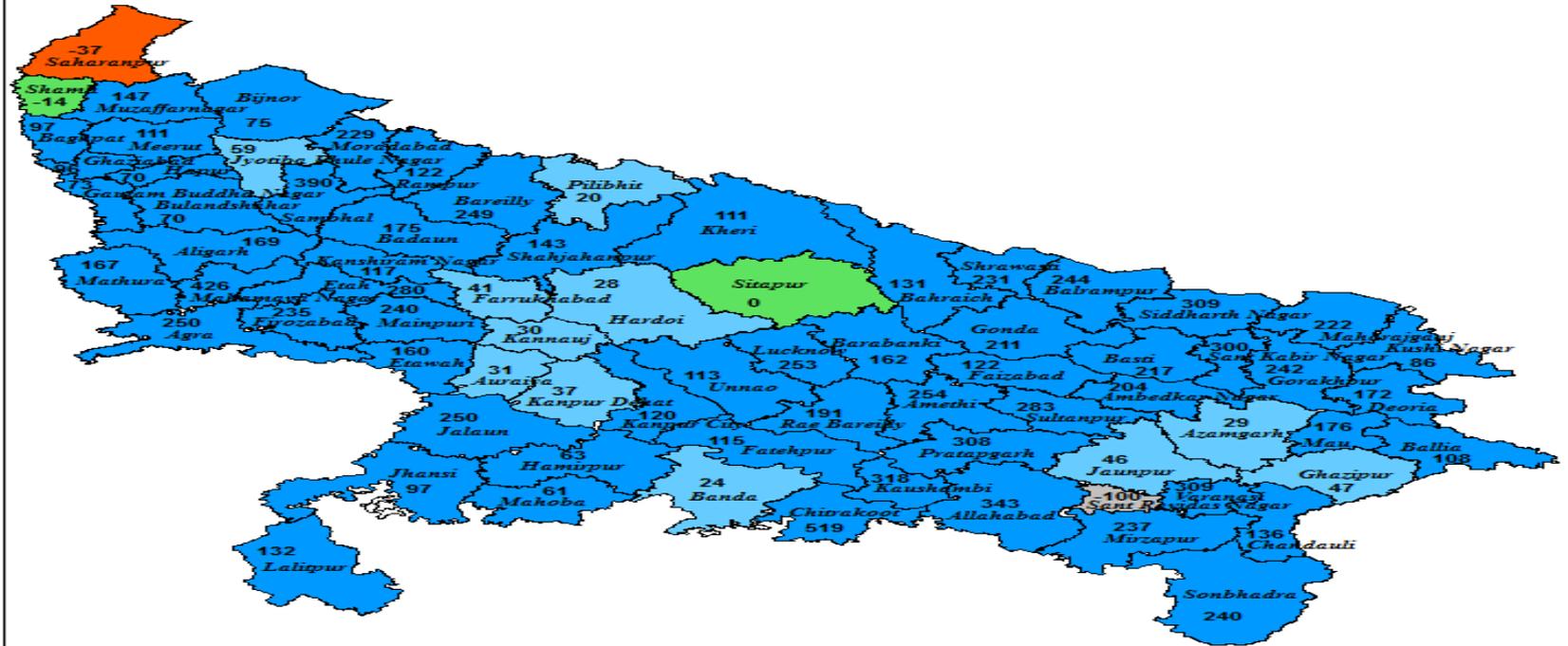


# PRE-MONSOON SEASON RAINFALL-2021

## INDIA METEOROLOGICAL DEPARTMENT MC LUCKNOW

### Rainfall % Departures from the Long Period Averages for Districts in UTTAR PRADESH

PERIOD : 01.03.2021 - 27.05.2021



**LEGEND:** ■ L. EXCESS (+60% OR MORE) ■ EXCESS (+20% TO +59%) ■ NORMAL (+19% TO -19%)  
 ■ DEFICIENT (-20% TO -59%) ■ L. DEFICIENT (-60% TO -99%) ■ NO RAIN (-100%) ■ NO DATA



# Rainfall forecast for Next 2 Weeks

- (i) Rainfall forecast for Week 1: (28<sup>th</sup> May 2021– 03<sup>rd</sup> June 2021): -
- Due to cyclonic storm 'Yaas' (pronounced as 'Yass') , East Uttar Pradesh Rainfall is likely light to moderate with isolated Heavy to Very Heavy Rainfall for Day1 and Day2. Rest days of the week are isolated light rainfall.
  - Overall cumulative rainfall is likely to be normal to above normal over East Uttar Pradesh and normal over West Uttar Pradesh.
- (ii) Rainfall forecast for week 2: (04<sup>th</sup> June 2021– 10<sup>th</sup> June 2021): -
- West-UP is likely to remain dry & East-UP is likely to receive above normal rainfall.



# Temperature forecast for Next 2 Weeks

## Week-1:

- Presently maximum temperatures are markedly below normal over most of the areas. It is expected that maximum temperatures will No large change during 48hours and thereafter increase by 2-4 degree Celsius.
- Minimum temperatures are likely to be normal.

## Week-2:

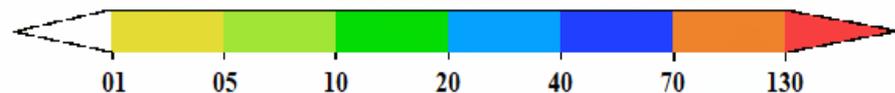
- Maximum temperatures are likely to be normal at most places.
- Minimum temperatures are likely to be normal at most places.



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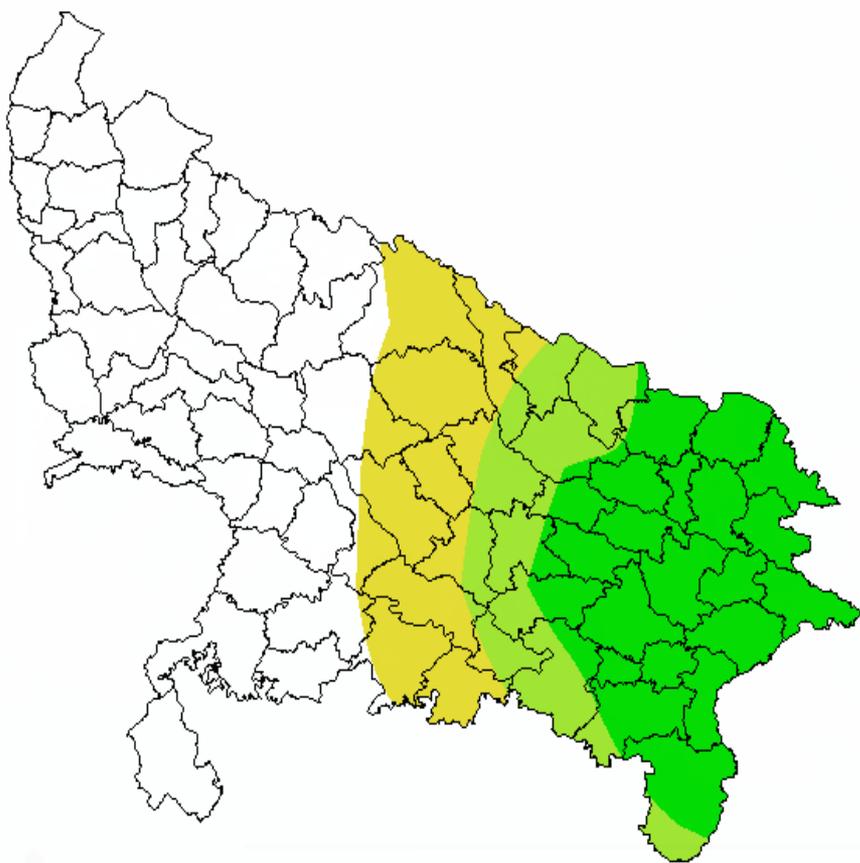
STATE: UTTAR PRADESH

RAINFALL (mm/day)



01 05 10 20 40 70 130

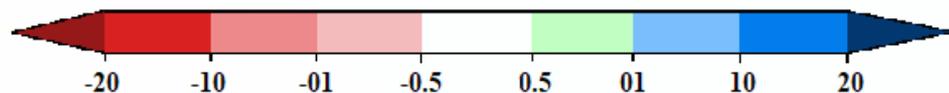
PERIOD: WEEK-1 (28-05-2021 TO 03-06-2021)



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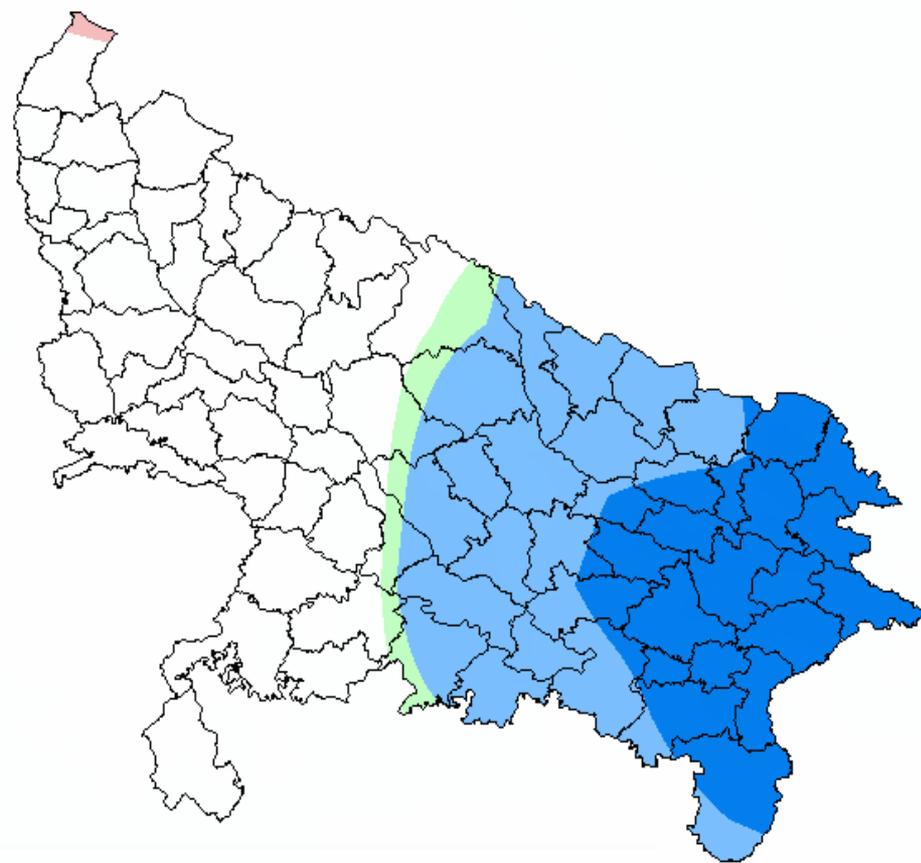
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RAINFALL ANOMALY (mm/day)



-20 -10 -01 -0.5 0.5 01 10 20

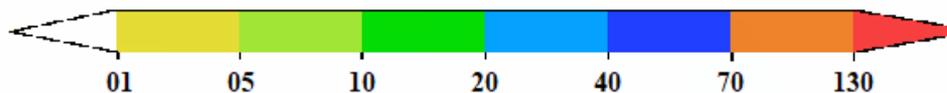
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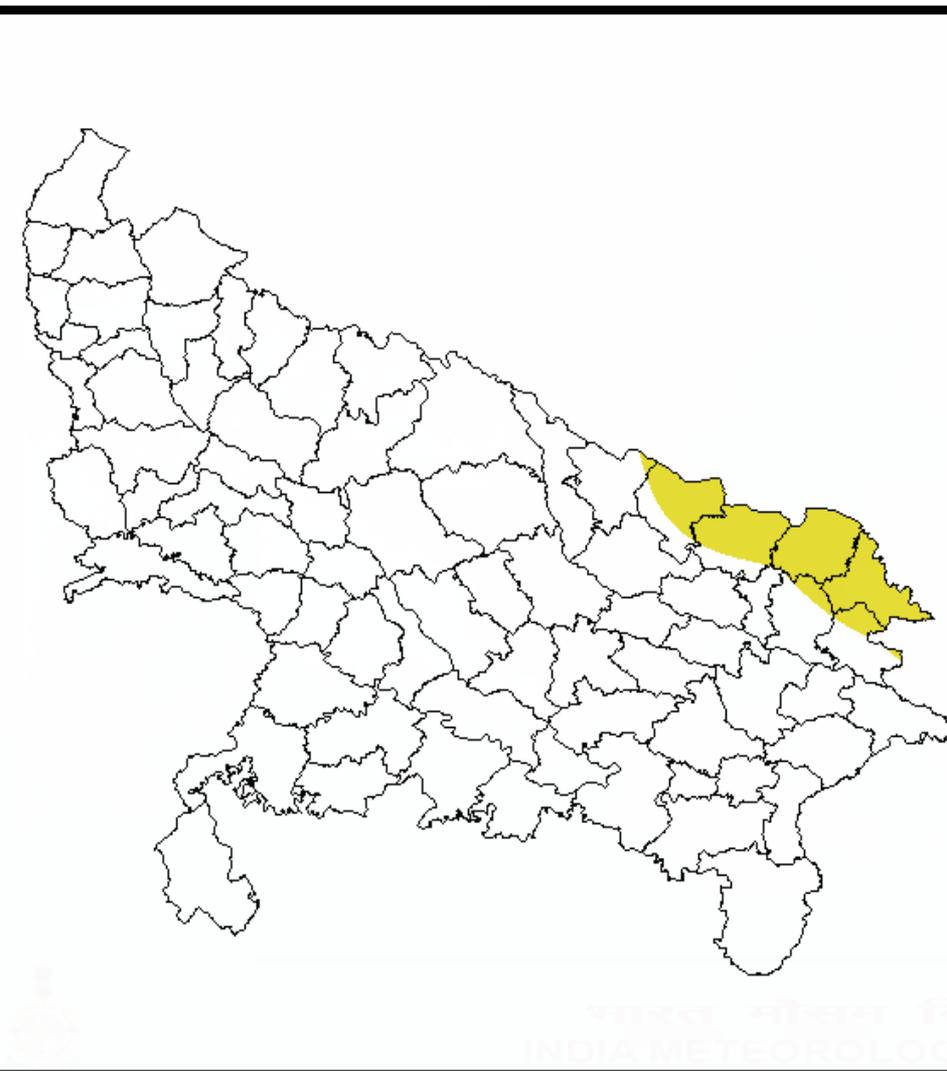
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RAINFALL (mm/day)



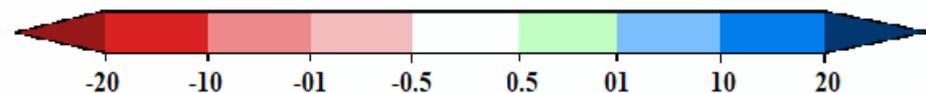
PERIOD: WEEK-2 (04-06-2021 TO 10-06-2021)



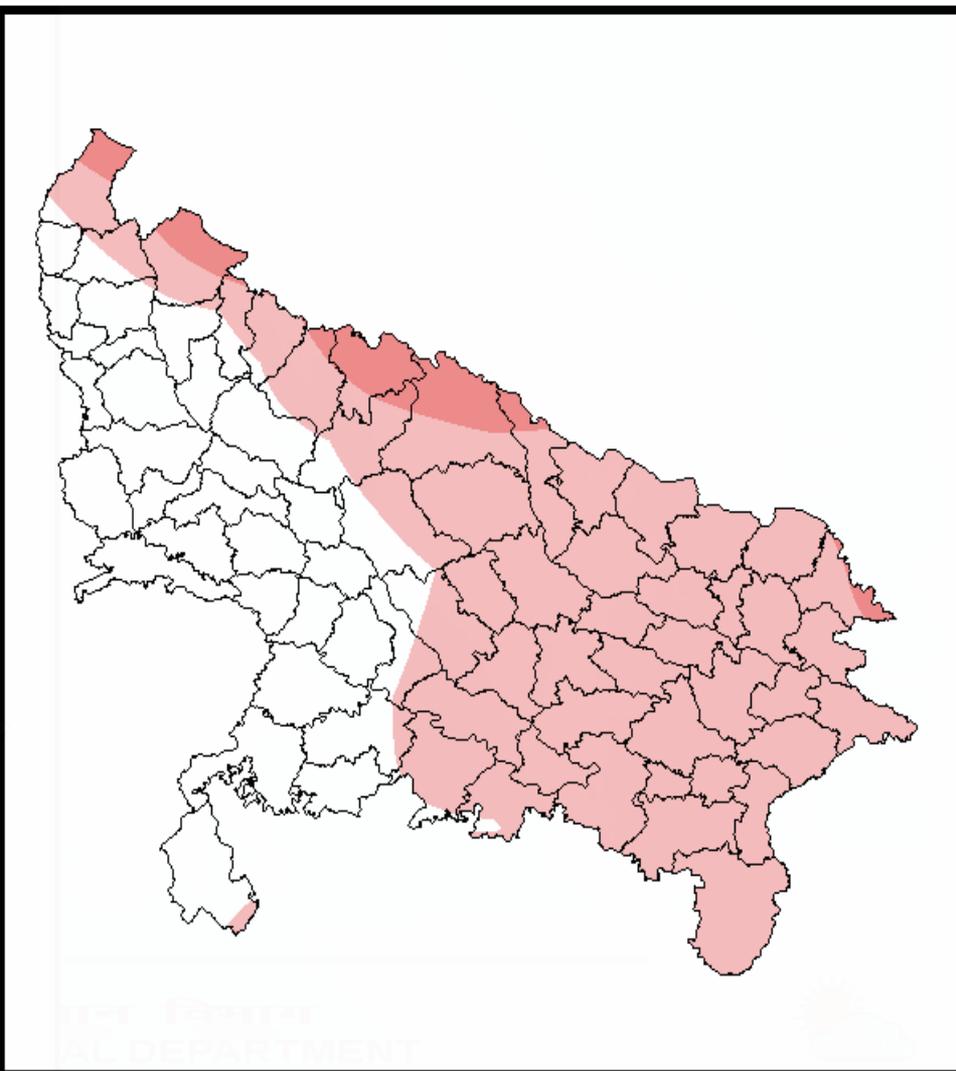
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RAINFALL ANOMALY (mm/day)



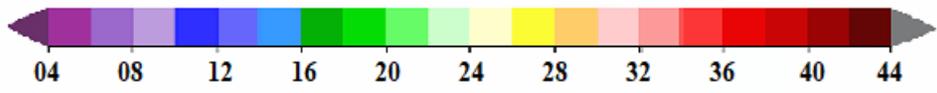
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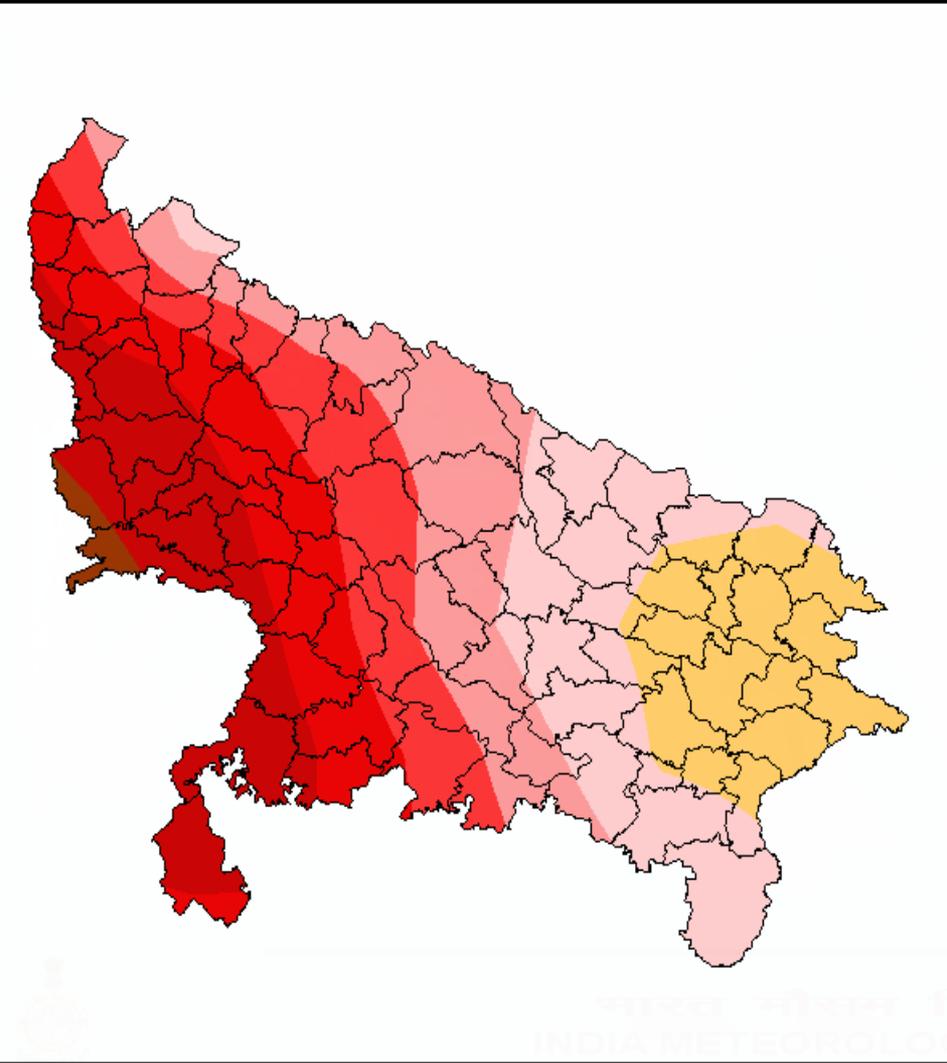
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MAXIMUM TEMPERATURE (C)



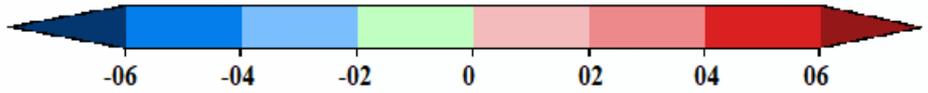
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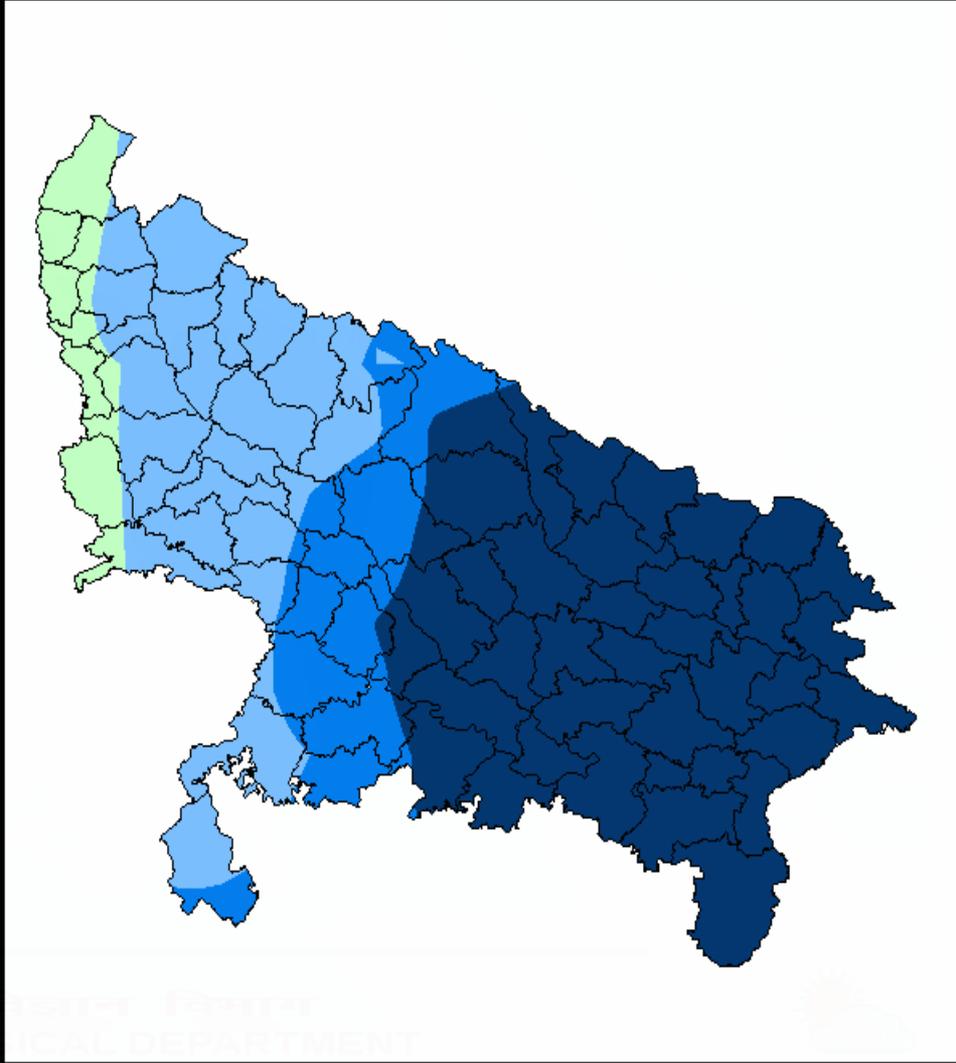
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TEMPERATURE ANOMALY (C)



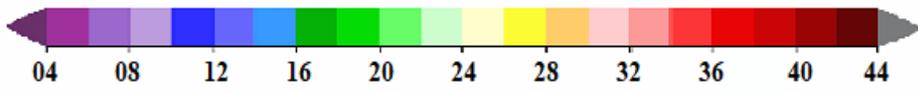
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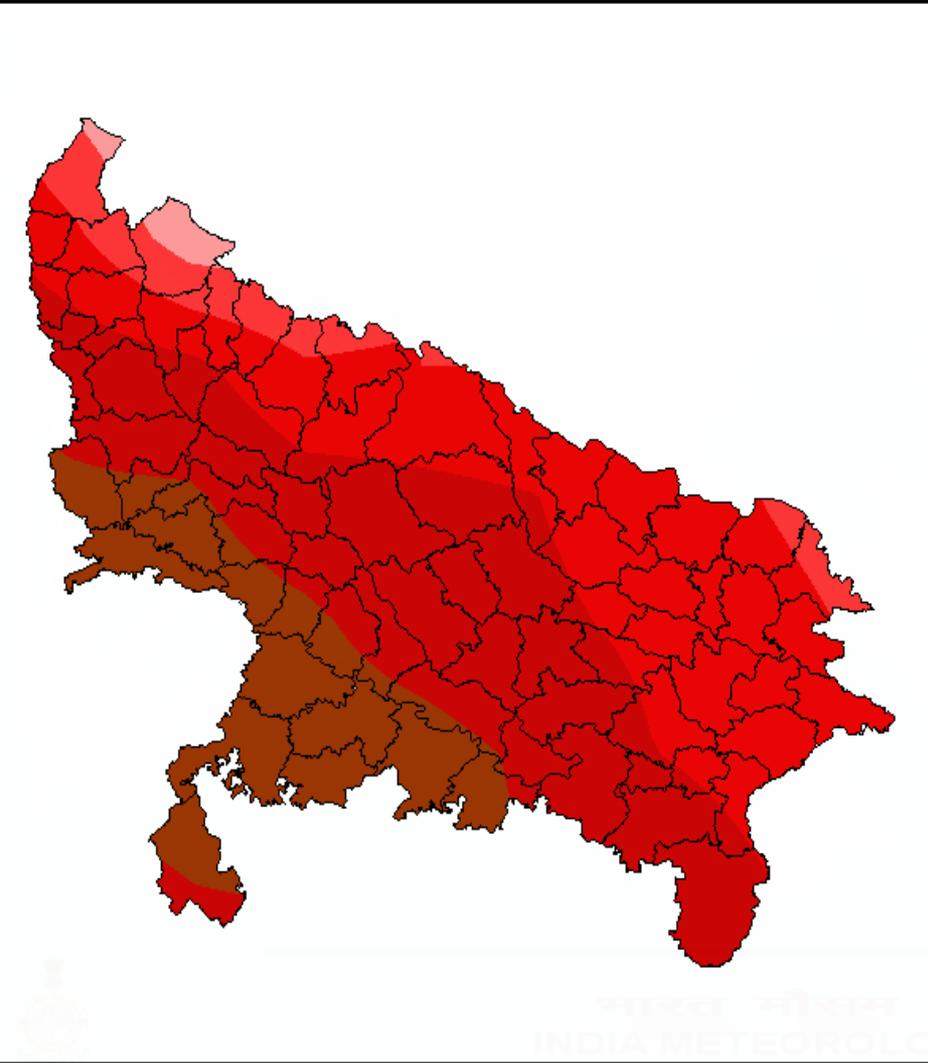
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MAXIMUM TEMPERATURE (C)



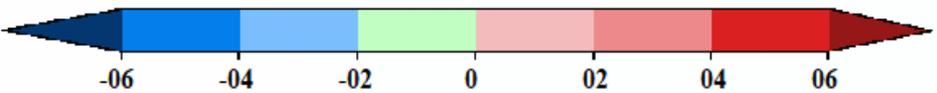
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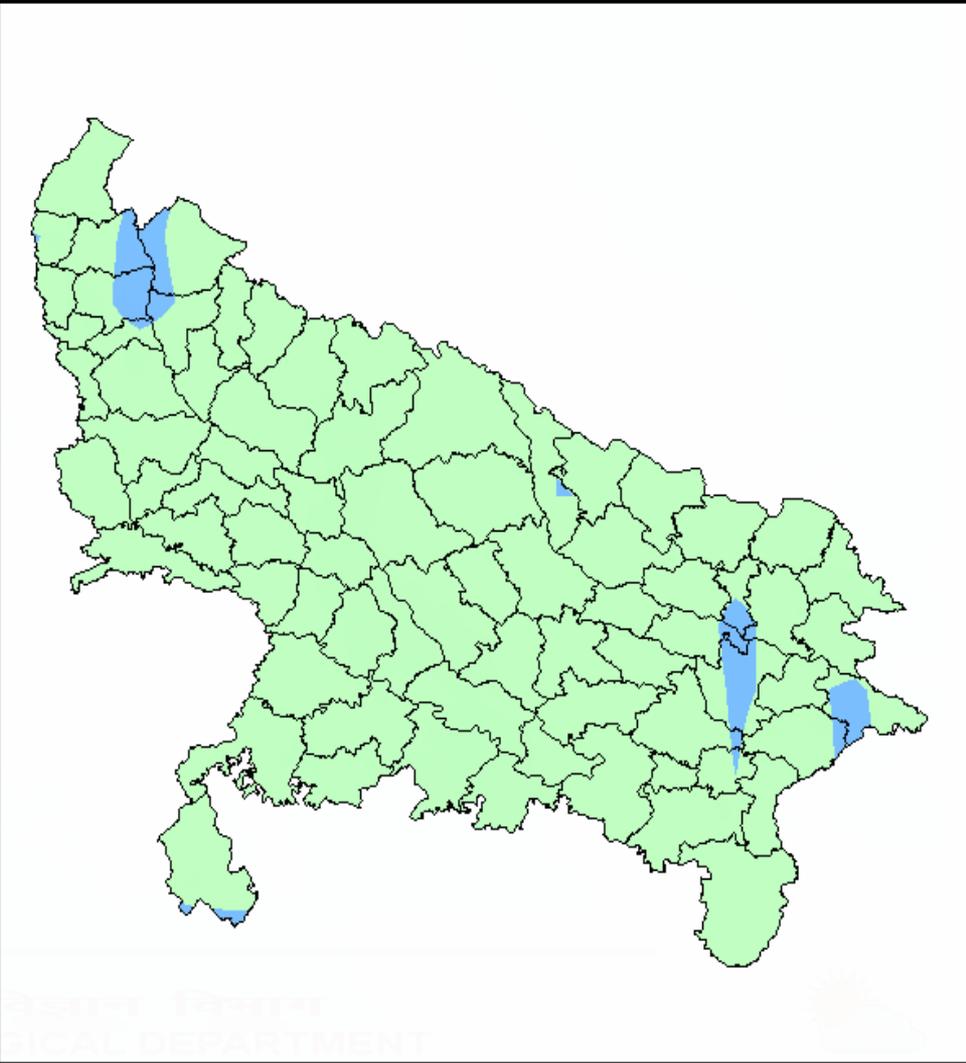
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TEMPERATURE ANOMALY (C)



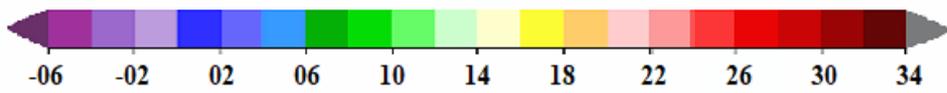
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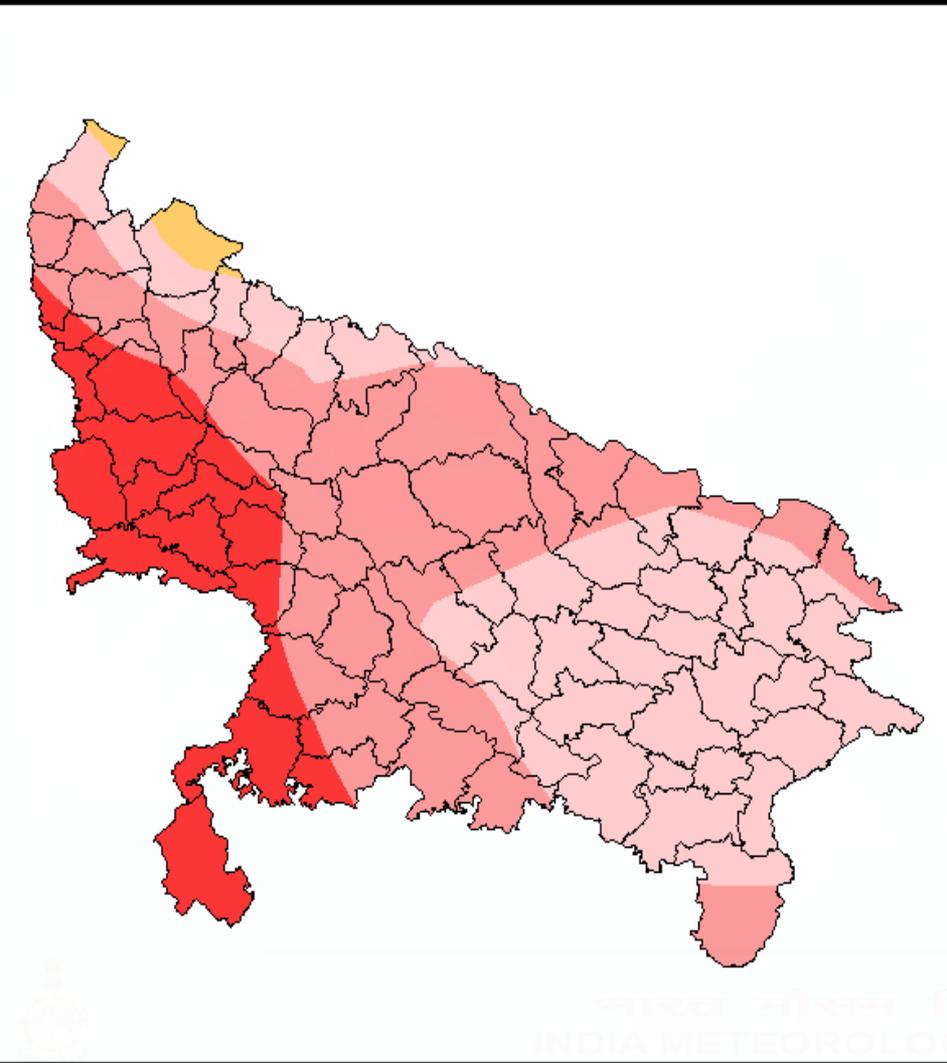
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MINIMUM TEMPERATURE (C)



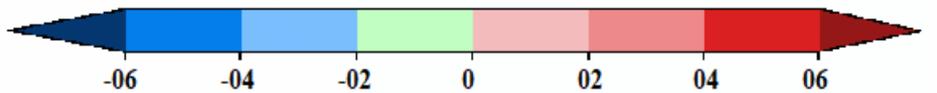
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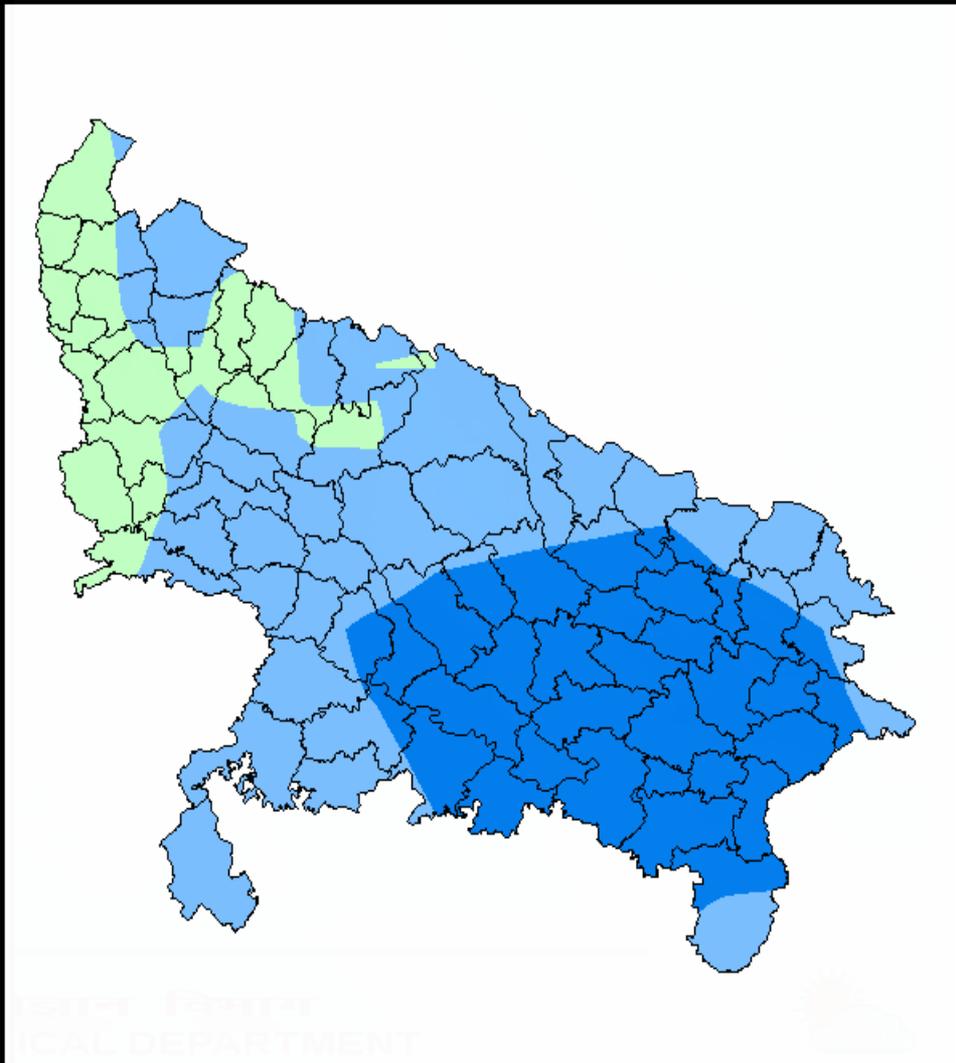
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TEMPERATURE ANOMALY (C)



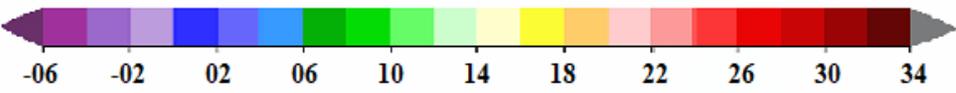
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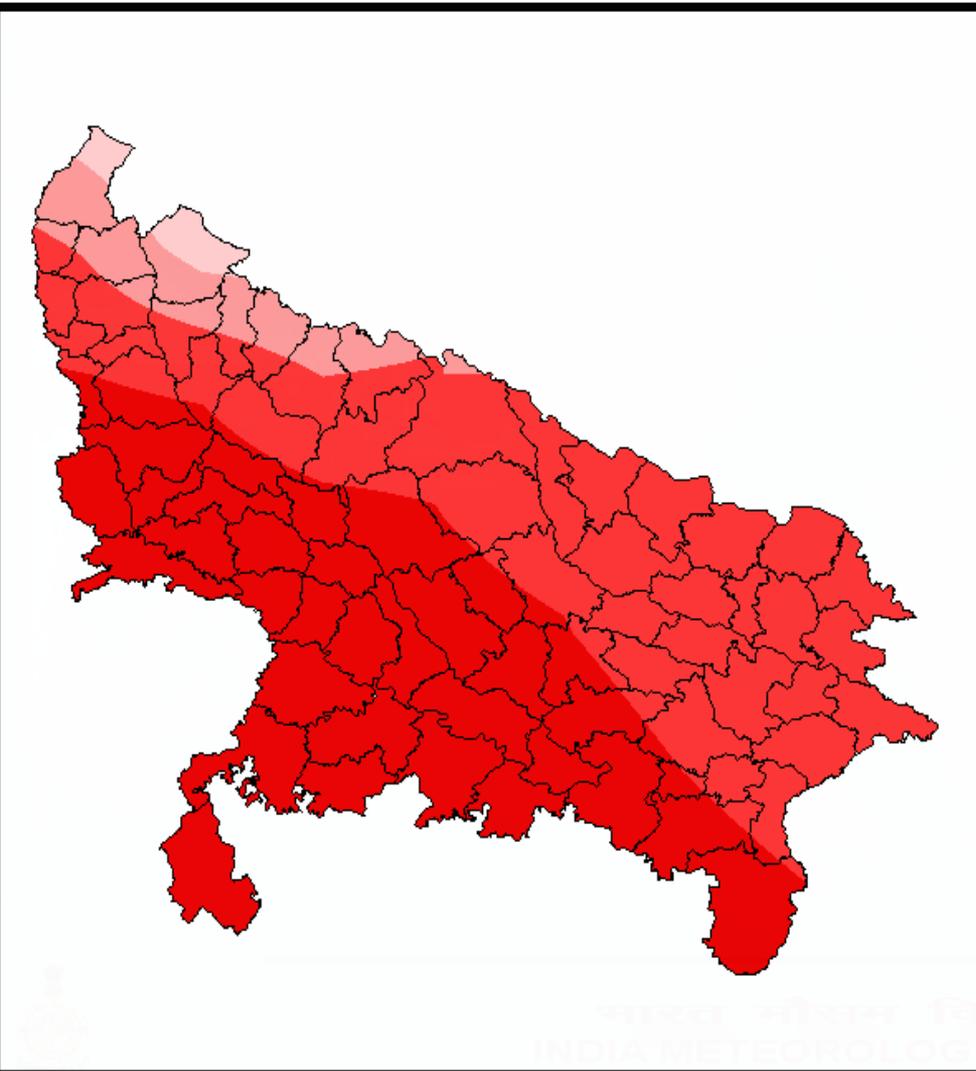
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MINIMUM TEMPERATURE (C)



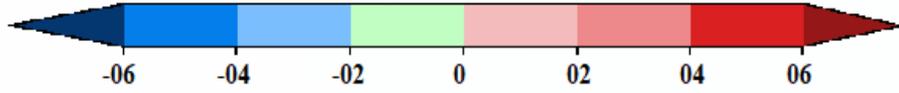
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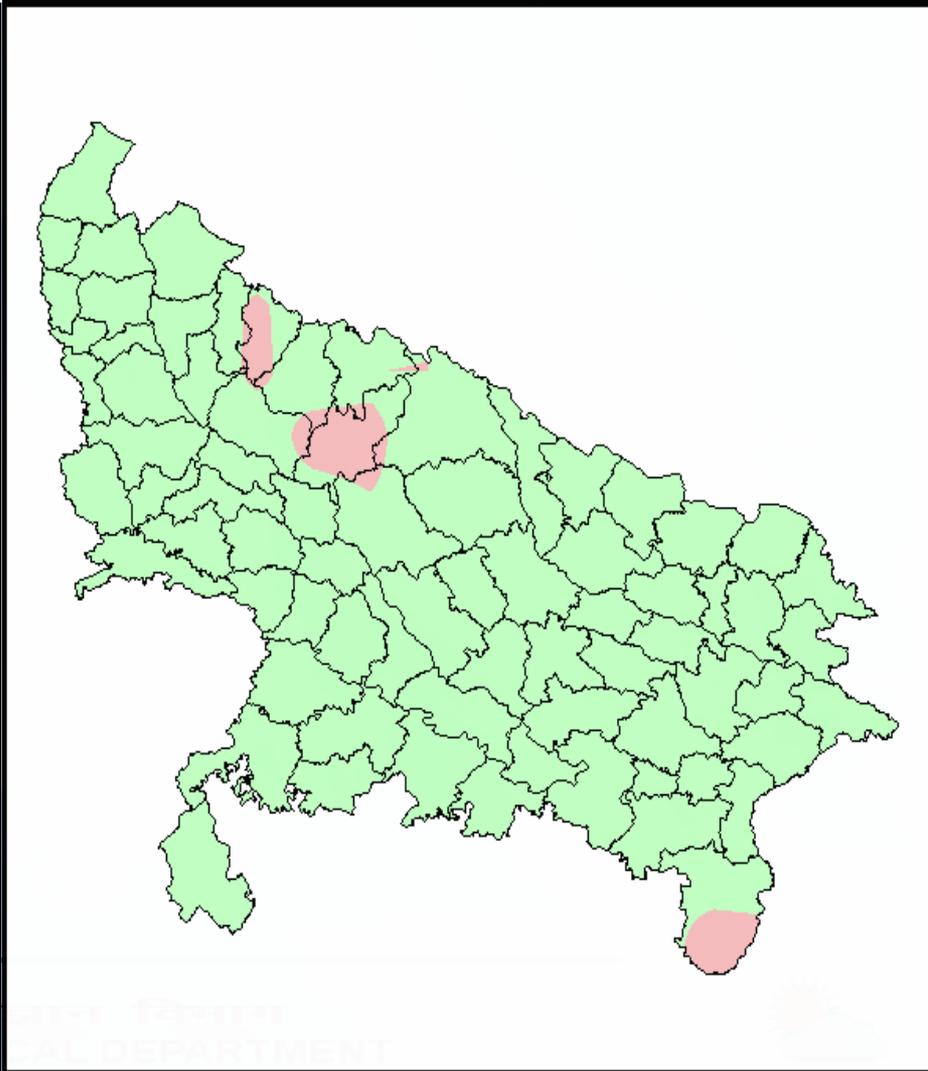
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TEMPERATURE ANOMALY (C)



PERIOD: WEEK-2 (04-06-2021 TO 10-06-2021)



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