



प्रेस विज्ञप्ति

Press Release

दिनांक : 05 जुलाई 2021

Dated: 05th July 2021

जारी करने का समय : 1700 भा.माँ.स.

Time of Issue: 1700 IST

विषय: 5 जुलाई 2021 को मानसून की स्थिति और अगले 5 दिनों के लिए मौसम पूर्वानुमान।

Subject: Status of Monsoon as on 5th July 2021 and weather forecast for next 5 days.

मानसून की स्थिति:

Monsoon status:

- The moist easterly winds in lower level from Bay of Bengal likely to establish gradually over parts of eastern India from 08th July onwards. It is likely to spread into northwest India covering Punjab and north Haryana by 10th July.
- Accordingly, southwest monsoon likely to advance over remaining parts of West Uttar Pradesh, some more parts of Punjab, Haryana and Rajasthan and Delhi around 10th July.

Weather forecast for next five days (5th July to 9th July 2021)

No significant rainfall is likely over Punjab, Haryana & Chandigarh during next 2-3 days with only possibility of isolated light Rain/Thunderstorm. Maximum temperature likely to rise by about 2°C from prevailing temperatures during this period, leading to development of heat wave conditions in isolated pockets over both states. Rainfall activity is likely to again start from 8th July and light to moderate rain at few to many places is likely during 8th to 10th July 2021.

5 Day Rainfall Forecast

Region	05-July	06-July	07-July	08-July	09-July
Haryana	Light rain likely at isolated places.	Light rain likely at isolated places.	Light rain likely at isolated places.	Light to moderate rain likely at few places.	Light to moderate rain likely at Many places.
Punjab	Light rain likely at isolated places.	Light rain likely at isolated places.	Light rain likely at isolated places.	Light to moderate rain likely at few places.	Light to moderate rain likely at few places.

5 Day Weather Warning

Region	05-July	06-July	07-July	08-July	09-July
Haryana	Heatwave likely at isolated places.	Heatwave likely at isolated places.	Heatwave likely at isolated places. Thunderstorm/ Lightning likely at isolated places.	Thunderstorm/ Lightning with Gusty winds(30-40 kmph) likely at isolated places.	Thunderstorm/ Lightning with Gusty winds(30-40 kmph) likely at isolated places.
Punjab	Heatwave likely at isolated places.	Heatwave likely at isolated places.	Heatwave likely at isolated places. Thunderstorm/ Lightning likely at isolated places.	Thunderstorm/ Lightning with Gusty winds(30-40 kmph) likely at isolated places.	Thunderstorm/ Lightning with Gusty winds(30-40 kmph) likely at isolated places.

For latest District wise warnings kindly use following links

https://rmcnewdelhi.imd.gov.in/MET_CENTRES/MCCHANDIGARH/uploads/weather_warning_punjab.pdf

https://rmcnewdelhi.imd.gov.in/MET_CENTRES/MCCHANDIGARH/uploads/weather_warning_haryana.pdf

https://mausam.imd.gov.in/imd_latest/contents/districtwise-warning.php

Meteorological Centre Chandigarh,

India Meteorological Department

Note: Forecast/Warning for any day is valid from 0830 hours IST of that day till 0830 hours IST of next day

WARNING	PROBABILISTIC FORECAST		SPATIAL		RAINFALL INTENSITY	
WARNING(TAKE ACTION)	Terms	Probability of Occurrence	DRY	No Rainfall	Light	2.5-15.5 mm
ALERT (BE PREPARED)	Unlikely	<25%	ISOLATED	1-25%	Moderate	15.6-64.4 mm
WATCH (BE UPDATED)	Likely	25-50%	FEW	26-50%	Heavy	64.5-115.5 mm
NO WARNING (NO ACTION)	Very Likely	50-75%	MANY	51-75%	Very Heavy	115.6-204.4 mm
	Most Likely	>75%	MOST	76-100%	Extremely Heavy	≥204.5 mm

LEGENDS

WARNING

WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)

Probabilistic Forecast

Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75



Heavy: 64.5 to 115.5 mm/cm *
 Very Heavy: 115.6 to 204.4 mm/cm *
 Extremely Heavy: > 204.4 mm/cm *

Rain/ Snow *

When maximum temperature of a station reaches $\geq 40^{\circ}\text{C}$ for plains and $\geq 30^{\circ}\text{C}$ for hilly regions
 (a) Based on Departure from normal

Heat Wave: Maximum Temperature Departure from normal 4.5°C to 6.4°C .
 Severe Heat Wave: Maximum Temperature Departure from normal $\geq 6.5^{\circ}\text{C}$



Heat Wave

(b). Based on Actual maximum temperature

Heat Wave: When actual maximum temperature $\geq 45^{\circ}\text{C}$.
 Severe Heat Wave: When actual maximum temperature $\geq 47^{\circ}\text{C}$

(c). Criteria for heat wave for coastal stations

When maximum temperature departure is $>4.5^{\circ}\text{C}$ from normal. Heat Wave may be described provided maximum temperature $\geq 37^{\circ}\text{C}$



Warm Night

When maximum temperature remains 40°C

Warm Night: When minimum temperature departure 4.5°C to 6.4°C .
 Severe Warm Night: When minimum temperature departure $>6.4^{\circ}\text{C}$.



Cold Wave

When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions.
 (a). Based on departure

Cold Wave: Minimum Temperature Departure from normal -4.5°C to -6.4°C .
 Severe Cold Wave: Minimum Temperature Departure from normal $\geq -6.5^{\circ}\text{C}$

(b) Based on actual Minimum Temperature (for Plains only)

Cold Wave : When Minimum Temperature is $\leq 4.0^{\circ}\text{C}$
 Severe Cold Wave: When Minimum Temperature is $\leq 2.0^{\circ}\text{C}$

(c) For Coastal Stations

When Minimum Temperature departure is $\leq -4.5^{\circ}\text{C}$ or actual Minimum Temperature is $\leq 15^{\circ}\text{C}$



Cold Day

When minimum temperature of a station $\leq 10^{\circ}\text{C}$ for plains and $\leq 0^{\circ}\text{C}$ for hilly regions
 Based on departure

Cold Day: Maximum Temperature Departure from normal -4.5°C to -6.4°C .
 Severe Cold Day: Maximum Temperature Departure from normal $\leq -6.5^{\circ}\text{C}$



Fog

Phenomenon of small droplets suspended in air and the horizontal visibility $< 1\text{km}$

Moderate Fog: When the visibility between 500-200 metres
 Dense Fog: when the visibility between 50- 200 metres
 Very Dense Fog: when the visibility < 50 metres



Thunderstorm

Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)



Dust/Sand Storm

An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.



Frost

Ice deposits on ground

Air temperature $\leq 4^{\circ}\text{C}$ (over Plains)



Squall

A strong wind that rises suddenly, lasts for atleast 1 minute.

Moderate: Wind speed 52-61 kmph
 Severe: Wind speed 62-87 kmph
 Very Severe: Wind speed >87 kmph



Sea State

Effect of various waves in the sea over specific area

Rough to very rough: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre
 High to very high: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre
 Phenomenal: Wind speed >117 kmph (>63 knots) & Wave height >14 metre



Cyclone

Cyclonic Storm: Wind speed 62-87 kmph (34-47 knots)
 Severe Cyclonic Storm: Wind speed 88-117 kmph (48-63 knots)
 Very Severe Cyclonic Storm: Wind speed 118-165 kmph (64 - 89 knots)
 Extremely Severe Cyclonic Storm: Wind speed 166-220 kmph (90 -119 knots)
 Super Cyclone Storm: Wind speed >220 kmph (>119 knots)