



Special Press Release

Date: 06-07-2024

Sub: Active to vigorous monsoon conditions over Uttarakhand on 06th & 07th July 2024.

✚ Current Meteorological analysis :

The current meteorological analysis and Numerical Weather Prediction models indicate existence of Monsoon trough at mean sea level passes through Bikaner, Jaipur, Gwalior, Satna, Daltonganj, Asansol, Bagati and thence southeastwards to northeast Bay of Bengal. The cyclonic circulation over southwest Uttar Pradesh & neighbourhood between 0.9 & 7.6 km above mean sea level tilting southwestwards with height persists. **Under the influence of above systems, the peak activity of rainfall likely to occur from evening/night of 06th to night of 07th July 2024.**

✚ Rainfall forecast:

Light to moderate rain/ thundershowers are very likely to occur at most places from 06th to 07th July and at many places in Uttarakhand from 08th to 10th July 2024.

✚ Weather Warning for Uttarakhand:

06 th July 2024	<ul style="list-style-type: none">• <u>Warning:</u> Heavy to very heavy rainfall at a few places with extremely heavy rainfall at isolated places likely to occur in districts of Kumaun region and Chamoli, Pauri & Rudraprayag districts of Garhwal region of Uttarakhand• Thunderstorm accompanied with lightning and very intense to extremely intense spells very likely to occur at isolated places in districts of Kumaun region and Chamoli, Pauri & Rudraprayag district of Garhwal region of Uttarakhand. <ul style="list-style-type: none">• <u>Alert:</u> Heavy to very heavy rainfall very likely to occur at isolated places in Dehradun, Tehri, Haridwar & Uttarkashi districts of Uttarakhand.• Thunderstorm accompanied with lightning and intense to very intense spells very likely to occur at isolated places in Dehradun, Tehri, Haridwar and Uttarkashi districts of Uttarakhand.
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07 th July 2024	<ul style="list-style-type: none"> • Warning: Heavy to very heavy rainfall at many places with extremely heavy rainfall at isolated places likely to occur in districts of Kumaun region of Uttarakhand. • Heavy to very heavy rainfall at few places with extremely heavy rainfall at isolated places likely to occur in Chamoli, Rudraprayag and Pauri districts of Uttarakhand • Thunderstorm accompanied with lightning and very intense to extremely intense spells very likely to occur at isolated places in districts of Kumaun region and Chamoli, Rudraprayag & Pauri district of Garhwal region of Uttarakhand. <ul style="list-style-type: none"> • Alert: Heavy to very heavy rainfall very likely to occur at isolated places in Dehradun, Tehri, Haridwar and Uttarkashi districts of Uttarakhand. • Thunderstorm accompanied with lightning and intense to very intense spells very likely to occur at isolated places in Dehradun, Tehri, Haridwar and Uttarkashi districts of Uttarakhand.
08 th & 09 th July 2024	<ul style="list-style-type: none"> • Watch: Thunderstorm accompanied with lightning and intense to very intense spells very likely to occur at isolated places in hills of Uttarakhand. • Thunderstorm accompanied with lightning very likely to occur at isolated places in Plains of Uttarakhand.
10 th July 2024	<ul style="list-style-type: none"> • Watch: Heavy rainfall very likely to occur at isolated places in Tehri, Pauri, Bageshwar, Almora, Nainital & Champawat districts of Uttarakhand. • Thunderstorm accompanied with lightning and intense to very intense spells very likely to occur at isolated places in hills of Uttarakhand. • Thunderstorm accompanied with lightning very likely to occur at isolated places in Plains of Uttarakhand.

 **Impact/Advisory:**

- Due to heavy to very heavy rainfall at a few places with extremely heavy rainfall at isolated places the minor to medium landslide, rock fall and mudslides very likely to occur at a few places in hills of Kumaun region and Pauri, Rudraprayag & Chamoli districts of Garhwal region of Uttarakhand causing blocking/washout of roads/highways/bridges in these districts.
- Sudden increase in water flow in rivulets and rainwater streams may result in bank erosion/overflow/flash floods at a few places in these districts. Flooding & inundation also likely in low lying areas in these districts especially in Udham Singh Nagar district.
- Settlements/People residing in vulnerable areas prone to landslides are advised to move to safer places and remain vigilant during night time also. Pilgrims/tourists/commuters travelling in these districts to remain alert and are advised to avoid travelling. Settlements/People residing near major rivers and their tributaries; rivulets/streams and

low lying areas and flood plains are to remain alert & vigilant during night time also and ready to move to safer places (Higher places).

- State government authorities are advised to take all necessary precautionary measures and facilitate the safe movement of people. The movement of people may be restricted on 06th & prohibited on 07th July 2024 in above districts.

Note: *Kindly login to Meteorological Centre, Dehradun's Website (<https://mausam.imd.gov.in/dehradun/>) for regular & detailed updates of forecasts, warnings and impacts.

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(बिक्रम सिंह)

हेड/वैज्ञानिक-‘एफ’

मौसम विज्ञान केंद्र, देहरादून

LEGENDS:

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

INTENSITY (INSTY)		DISTRIBUTION (DISTR)		PROBABILITY OF OCCURRENCE	
VERY LIGHT/बहुत हल्की	TRACE - 2.4 mm	ISOLATED /कहीं-कहीं	ISOLATED (UPTO 25% AREA)	UNLIKELY	Up to 25%
LIGHT/हल्की	2.5- 15.5 mm	FEW /कुछ स्थान	SCATTERED (BETWEEN 25-50% AREA)	LIKELY	26 to 50%
MODERATE /मध्यम	15.6 – 64.4 mm	MANY /अनेक स्थान	FAIRLY WIDE SPREAD (BETWEEN 50-75% AREA)	VERY LIKELY	51 to 75%
HEAVY /भारी	64.5- 115.5 mm	MOST /अधिकांश स्थान	WIDE SPREAD (MORE THAN 75% AREA)	MOST LIKELY	Above 75%
VERY HEAVY /बहुत भारी	115.6- 204.4 mm				
EXTREMELY HEAVY /अत्यंत भारी	> 204.4 mm				

Intense rainfall spell	20-30 mm/hour
Very intense rainfall spell	30-50 mm/hour
Extremely intense rainfall spell	50-100 mm/hour
Cloud Burst	>100 mm/hour