



## Special Press Release

Date: 26-06-2024

### Sub: Enhanced rain/thundershower activity over Uttarakhand from 27<sup>th</sup> June to 03<sup>rd</sup> July 2024.

#### **✚ Current Meteorological analysis :**

Numerical Weather Prediction models indicate existence of an east-west trough in lower levels from north Punjab to head Bay of Bengal across north Haryana & Uttar Pradesh from 27<sup>th</sup> June to 03<sup>rd</sup> July on most of the days. The shear zone between 700hPa and 500hPa levels runs along 21°N till 29<sup>th</sup> June.

#### **✚ Monsoon watch :**

- The Northern Limit of Monsoon pass through 3°N/60°E, 23°N/65°E, Mundra, Mehsana, Udaipur, Shivpuri, Lalitpur, Siddhi, Chaibasa, Haldia, Pakur, Sahibganj and Raxaul. (Map attached).
- Conditions likely to become favorable for advance of Southwest Monsoon into some parts of Uttarakhand during next 2-3 days.

#### **✚ Rainfall forecast:**

Light to moderate rain/ thundershower very likely to occur at most places in Uttarakhand on 27<sup>th</sup>, 28<sup>th</sup>, 29<sup>th</sup> June and 02<sup>nd</sup> & 03<sup>rd</sup> July and at many places on 30<sup>th</sup> June & 01<sup>st</sup> July 2024.

#### **✚ Weather Warning for Uttarakhand:**

<b>27<sup>th</sup> to 29<sup>th</sup> June and 02<sup>nd</sup> &amp; 03<sup>rd</sup> July, 2024</b>	<ul style="list-style-type: none"><li>• <b>Alert:</b> Heavy to very heavy rainfall very likely to occur at isolated places in some districts of Uttarakhand.</li><li>• <b>Thunderstorm accompanied with lightning, very intense to extremely intense spells and gusty winds (30 to 40 KMPH) very likely to occur at isolated places in Uttarakhand.</b></li></ul>
<b>30<sup>th</sup> June and 01<sup>st</sup> July 2024</b>	<ul style="list-style-type: none"><li>• <b>Watch:</b> Heavy rainfall very likely to occur at isolated places in some districts of Uttarakhand.</li><li>• <b>Thunderstorm accompanied with lightning, intense to very intense spells and gusty winds (30 to 40 KMPH) very likely to occur at isolated places in hills of Uttarakhand.</b></li></ul>

 **Impact/Advisory:**

Date	Districts/ Region	Weather warning	Impact	Suggested Actions
<p>27<sup>th</sup> to 29<sup>th</sup> June and 02<sup>nd</sup> &amp; 03<sup>rd</sup> July, 2024</p>	<p>Isolated places in some districts</p>	<ul style="list-style-type: none"> <li>• Heavy to very heavy rainfall</li> <li>• Thunderstorm accompanied with lightning, very intense /extremely intense spells and gusty winds (30 to 40 KMPH)</li> </ul>	<ul style="list-style-type: none"> <li>• Medium landslides &amp; rock fall at isolated places likely in vulnerable areas resulting in blocking/ washout of highways/ link roads.</li> <li>• Increase/ sudden increase of water level in rivulets and streams at a few places in hills of Uttarakhand.</li> <li>• Inundation of low lying areas at isolated places in plains of Uttarakhand.</li> <li>• Damages to property/ human/ livestock at isolated places due to struck of lightning</li> <li>• Minor damages to kuccha houses and loose/unsecured structures.</li> </ul>	<ul style="list-style-type: none"> <li>• Settlements/ People residing near the rivulets/streams are to remain alert.</li> <li>• Settlements/ People residing near landslide prone area are to remain alert during intense rainfall activity.</li> <li>• People are advised to be alert while travelling.</li> <li>• Farmers are advised to harvest the ripe crop/vegetables and store them in safer places.</li> <li>• Farmers are advised to make arrangement for drainage of excess water.</li> <li>• During thunderstorm/lightning activity, people are advised to take shelter at safe places.</li> <li>• Do not tie the animals in outdoor during thunderstorm / lightning / gusty wind/squall.</li> <li>• State government authorities are advice to take necessary precautionary measure especially along Chardham routes.</li> </ul>
<p>30<sup>th</sup> June and 01<sup>st</sup> July 2024</p>	<p>Isolated places in some districts</p>	<ul style="list-style-type: none"> <li>• Heavy rainfall</li> <li>• Thunderstorm accompanied with lightning, intense to very intense spells and gusty winds (30 to 40 KMPH)</li> </ul>	<ul style="list-style-type: none"> <li>• Minor Landslides and rock falls at isolated places likely in vulnerable areas resulting in blocking/ washout of highways/ link roads.</li> <li>• Increase/ sudden increase of water level in rivulets and streams at a isolated places in hills of Uttarakhand.</li> <li>• Damages to property/ human/ livestock at isolated places due to lightning</li> <li>• Minor damages to kuccha houses and loose/unsecured structures.</li> </ul>	<ul style="list-style-type: none"> <li>• Settlements/ People residing near the rivulets/streams are to remain cautious.</li> <li>• Settlements/ People residing near landslide prone area are to remain cautious during intense rainfall activity.</li> <li>• People are advised to be cautious while travelling.</li> <li>• Farmers are advised to harvest the ripe crop/vegetables and store them in safer places.</li> <li>• During thunderstorm/lightning activity, people are advised to take shelter at safe places.</li> <li>• Do not tie the animals in outdoor during thunderstorm / lightning / gusty wind/squall.</li> <li>• State government authorities are advice to take necessary precautionary measures.</li> </ul>

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

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(बिक्रम सिंह)

हेड/वैज्ञानिक-‘एफ’

मौसम वज्ञान केंद्र, देहरादून

**LEGENDS:**

<b>WARNING (TAKE ACTION)</b>	<b>WATCH (BE UPDATED)</b>
<b>ALERT (BE PREPARED)</b>	<b>NO WARNING (NO ACTION)</b>

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

# Advance of Southwest Monsoon 2024

