



## Special Press Release

Date: 21-06-2024

### Sub: Enhanced rain/thundershower activity over Uttarakhand from 24<sup>th</sup> to 30<sup>th</sup> June 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 24<sup>th</sup> to 30<sup>th</sup> June 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 continues to pass through 20.5°N/60°E, 20.5°N/63°E, 20.5°N/70°E, Navsari, Jalgaon, Mandla, Pendra Road, Jharsuguda, Balasore, Haldia, Pakur, Sahibganj and Raxaul. (Map attached).
- Conditions are favourable for further advance of Southwest Monsoon into some more parts of North Arabian Sea, Gujarat State, remaining parts of Maharashtra, some more parts of Madhya Pradesh, Chhattisgarh, Odisha, Gangetic West Bengal, Jharkhand, Bihar and some parts of East Uttar Pradesh during next 3-4 days.

#### **✚ Rainfall forecast:**

Light to moderate rain/ thundershower very likely to occur at many places on 24<sup>th</sup> June and at most places thereafter over Uttarakhand.

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

24 <sup>th</sup> to 26 <sup>th</sup> June and 29 <sup>th</sup> June 2024	<ul style="list-style-type: none"><li>• <b>Alert:</b> Heavy rainfall very likely to occur at isolated places in Nainital, Champawat, Pithoragarh &amp; Bageshwar districts of Uttarakhand.</li><li>• Thunderstorm accompanied with lightning, intense to very intense spells and gusty winds (40 to 50 KMPH) very likely to occur at isolated places in hills of Uttarakhand.</li></ul>
27 <sup>th</sup> , 28 <sup>th</sup> & 30 <sup>th</sup> June 2024	<ul style="list-style-type: none"><li>• <b>Alert:</b> Heavy to very heavy rainfall very likely to occur at isolated places in districts of Uttarakhand.</li><li>• Thunderstorm accompanied with lightning, very intense to extremely intense</li></ul>

spells and gusty winds (40 to 50 KMPH) very likely to occur at isolated places in Uttarakhand.

 **Impact/Advisory:**

Date	Districts/ Region	Weather warning	Impact	Suggested Actions
24 <sup>th</sup> to 26 <sup>th</sup> June and 29 <sup>th</sup> June 2024	Isolated places in above mentioned districts	<ul style="list-style-type: none"> <li>• Heavy rainfall</li> <li>• Thunderstorm accompanied with lightning, intense to very intense spells and gusty winds (40 to 50 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 due to gusty wind.</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>
27 <sup>th</sup> , 28 <sup>th</sup> & 30 <sup>th</sup> June 2024	Isolated places in above mentioned districts	<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 (40 to 50 KMPH)</li> </ul>	<ul style="list-style-type: none"> <li>• Minor Landslides and rock falls at a few places with 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 due to gusty wind.</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 cautious while travelling and avoid if possible.</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</li> </ul>

				advice to take necessary precautionary measure for smooth movement of pilgrims and tourists especially along Chardham routes.
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**Note:** \*Kindly login to Meteorological Centre, Dehradun's Website (<https://mausam.imd.gov.in/dehradun/>) for regular & detailed updates of forecasts and warnings.

\*The next update will be issued on 25<sup>th</sup> June 2024.

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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

