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**NATIONAL CENTRE FOR HYDROLOGY AND METEOROLOGY**  
**THIMPHU: BHUTAN**



“Centre of excellence in Hydrology, Meteorology and Cryosphere Science and Services”

**Weather Analysis and Report**

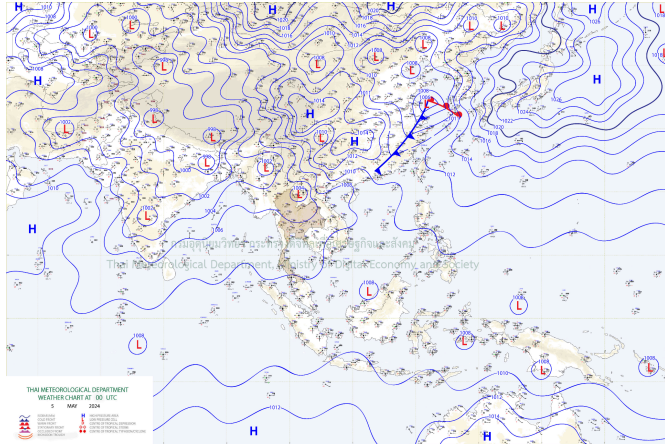
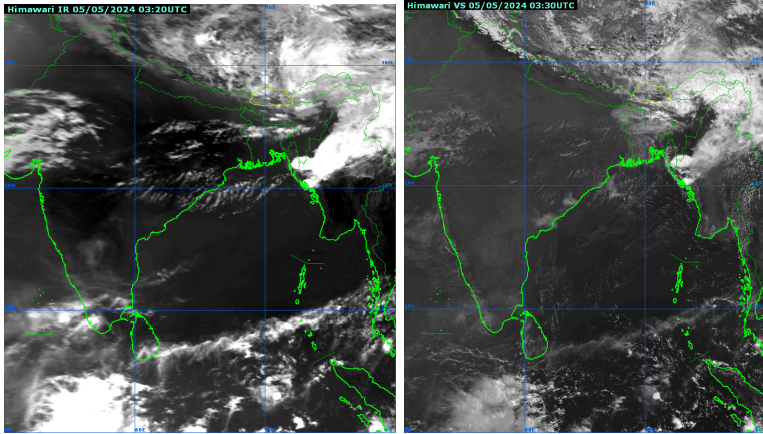
**Date and time of issue: 05 May 2024, 10:00 AM**

**The forecast is valid for 72 hours from the time of issue**

Region	Forecast Point	06 May	07 May	08 May
		Monday	Tuesday	Wednesday
Northern	Gasa	Partly cloudy with light rain	Mostly cloudy with light rain	Mostly cloudy with light rain
North-Eastern	Lhuentse, Tashi Yangtse	Mostly cloudy with light rain	Mostly cloudy with light rain	Mostly cloudy with light rain
Central	Trongsa, Bumthang	Mostly cloudy with light rain	Mostly cloudy with light rain	Mostly cloudy with light rain
Western	Haa	Mostly cloudy with light rain	Mostly cloudy with light rain	Mostly cloudy with light rain
	Paro, Thimphu	Partly cloudy with light rain	Partly cloudy with light rain	Mostly cloudy with light rain
	Punakha, Wangdue Phodrang	Mostly cloudy with light rain	Mostly cloudy with light rain	Mostly cloudy with light rain
South-Western	Phuentsholing	Mostly cloudy with light rain	Mostly cloudy with light rain	Mostly cloudy with light rain
	Samtse	Mostly cloudy with light rain	Mostly cloudy with light rain	Mostly cloudy with light rain
	Sarpang	Cloudy with moderate rain	Mostly cloudy with light rain	Mostly cloudy with light rain
	Dagana, Tsirang	Cloudy with light rain	Mostly cloudy with light rain	Mostly cloudy with light rain
South-Eastern	Zhemgang	Mostly cloudy with light rain	Mostly cloudy with light rain	Mostly cloudy with light rain
	Mongar	Cloudy with light rain	Cloudy with light rain	Mostly cloudy with light rain
	Tashigang	Mostly cloudy with light rain	Mostly cloudy with light rain	Mostly cloudy with light rain
	Pema Gatshel	Cloudy with light rain	Cloudy with light rain	Mostly cloudy with light rain
	Samdrup Jongkhar	Cloudy with moderate rain	Cloudy with light rain	Mostly cloudy with light rain



**Weather Observation and Analysis**

<p><b>1. Meteorological Observing Stations</b></p>	<p>Yesterday, stations across the country observed partly to mostly cloudy weather with light rain. The highest rainfall recorded during the past 24 hours was 5.8mm at Sibso meteorological station under Samtse Dzongkhag.</p>
<p><b>2 Surface Charts</b></p>	<p>Surface Chart below shows a trough line over western parts of the country and low pressure system over southern part of India.</p>  <p style="text-align: center;"><i>Figure: Surface Chart Analysis updated on 00 UTC of 05 May 2024</i></p>
<p><b>2. Satellite Images</b></p>	<p>The satellite image below shows scattered low cloud cover over the country.</p>  <p style="text-align: center;"><i>Figure: Infrared Channel (IR) left and Visible channel (VS) right updated on 05 May 2024</i></p>
<p><b>3. Indian Meteorological Department (IMD)</b></p>	<p><b>05th May - 06th May 2024:-Thunderstorms accompanied with lightning &amp; gusty winds</b> are very likely over Sub-Himalayan West Bengal &amp; Sikkim, Arunachal Pradesh, Assam &amp; Meghalaya &amp; <b>Heavy to very heavy rainfall</b> very likely at isolated places over Assam &amp; Meghalaya, Nagaland, Sikkim &amp; Arunachal Pradesh.  <b>07th May 2024:-Heavy to very heavy rainfall</b> very likely at isolated places over Assam &amp; Meghalaya, Nagaland.  <b>08th - 09th May 2024:-</b> No severe weather.</p>



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**Weather Research and Forecasting Model (WRF)**

**Precipitation:** Light rainfall is likely over the country during the next 72 hours.

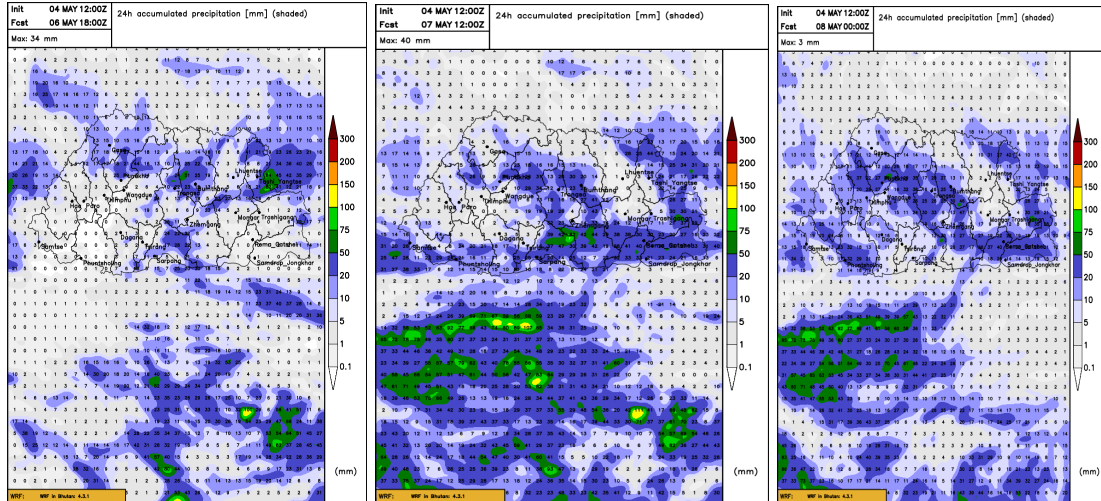


Figure: 24-hour total precipitation dated at 12 UTC, 04 May 2024

**Wind:** Gusty winds are very likely over most parts of the country during the next 72 hours.

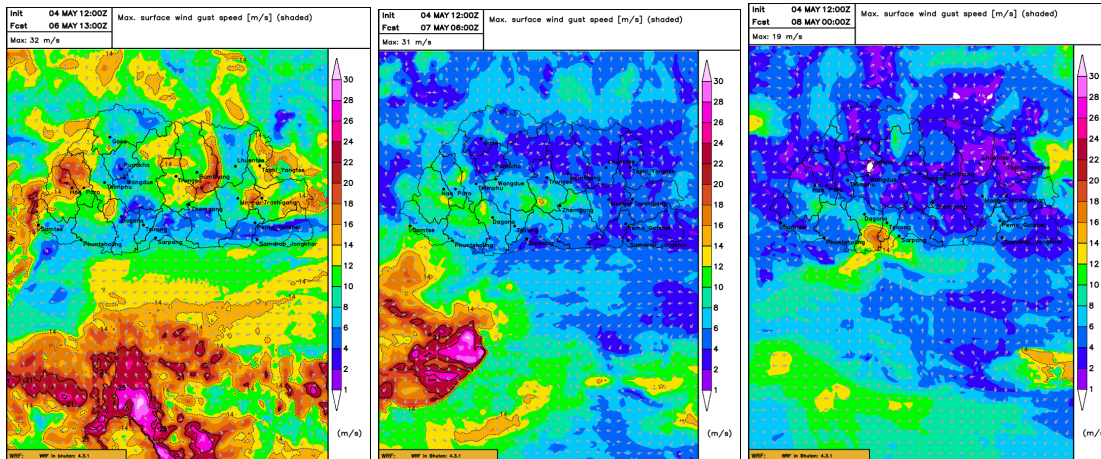


Figure: Wind Gust updated at 12 UTC, 04 May 2024

**Thunderstorms:** Thunderstorms are very likely over Southern parts of the country on 6th and 7th may 2024.

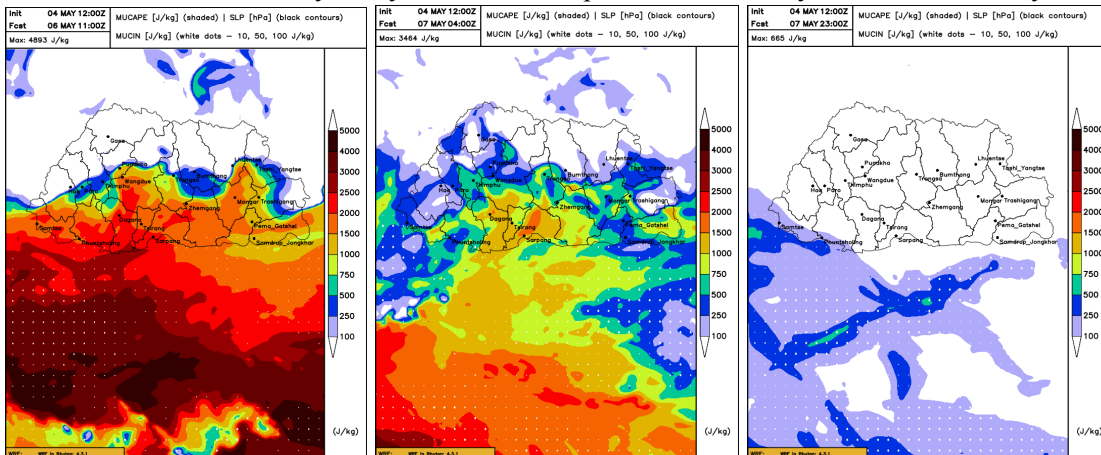


Figure: Mucape updated at 12 UTC, 04 May 2024



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