भारत सरकार / Government of India
पृथ्वी विज्ञान मंत्रालय / Ministry of Earth Sciences
भारत मौसम विज्ञान विभाग / India Meteorological Department
मौसम विज्ञान केन्द्र गंगटोक / Meteorological Centre Gangtok
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Special Weather Bulletin No.4

Gangtok, Dated 24th March 2024

Subject: **Enhanced Rainfall/Thunderstorm/Snowfall (at higher altitude) activities over the districts of Sikkim during 24th March to 26th March 2024.**

Realized weather for Past 24-hours: **Light to moderate rainfall occurred at most places over the state of Sikkim.**

Chief rainfall amount (in mm) recorded at 0830 hrs IST on 24th March 2024:

Khanitar: 2, Majitar: 1, Yuksom: 1, Pakyong: 1, Namthang: 1, Ravangla: 1, Shipgyer: 1, Ranipool: 1, Rongli: 1, Soreng: 1

Significant Synoptic Situation:

- **The cyclonic circulation over northeast Assam & neighbourhood persists and now seen at 1.5 km above mean sea level.**
- **A trough runs from northwest Bihar to southeast Assam across north Bangladesh at 0.9 km above mean sea level.**
- **Strong moisture incursion from Bay of Bengal.**

Weather Forecast:

24th March 2024:

(i) Light to moderate rainfall/ Thundershower/ snowfall (at higher altitudes) very likely to occur at most places over the districts of Gangtok, Geyzing, Namchi, Mangan, Soreng and Pakyong of Sikkim.

25th March 2024:

(i) Light to moderate rainfall/ Thundershower/ snowfall (at higher altitudes) very likely to occur at most places over the districts of Gangtok, Geyzing, Namchi, Mangan, Soreng and Pakyong of Sikkim.

26th March 2024:

(i) Light to moderate rainfall/ Thundershower/ snowfall (at higher altitudes) very likely to occur at most places over the districts of Gangtok, Geyzing, Namchi, Mangan, Soreng and Pakyong of Sikkim.

Warning for Sikkim:

24th March 2024: (i) Thunderstorm with lightning very likely to occur at one or two places over the districts of Gangtok, Namchi and Mangan.

25th March 2024: (i) Heavy rain very likely to occur at one or two places over the districts of Gangtok, , Pakyong, Namchi, Soreng and Geyzing.

(ii) Thunderstorm with lightning very likely to occur at one or two places over the district of Mangan.

26th March 2024: (i) Thunderstorm with lightning very likely to occur at one or two places over the districts of Gangtok, Pakyong and Namchi.

Possible Impacts:

- ***Possibilities of blockage in road due to Snowfall / intense Rainfall.***
- ***Reduction in visibility due to valley fog/ intense rainfall/snowfall.***
- ***Possibilities of damage to vulnerable structures.***
- ***Possibilities of disruption in Aviation Services due to reduction in visibility.***

Action suggested at the time of thunderstorm & lightning:

- ***Take shelter in safe place and don't move in outside open area at the time of thunderstorm/lightning.***
- ***Avoid taking shelter under tree/electric pole at the time of thunderstorm/lightning.***

(M.B Roy Chowdhury, SO-I)
For the Head, Meteorological Centre, Gangtok

This is the last special weather bulletin for this event.

N.B:

1. For detail information please visit our website https://mausam.imd.gov.in/gangtok/ and Facebook page https://www.facebook.com/gangtok.met.

2. District wise nowcast for thunderstorm with lightning and wind will be issued one or two hours in advance through whatsapp/facebook/twitter and email as and when required.

3. Kindly use "Mausam App" for location specific forecast and warning, "Meghdoot App" for Agromet advisory and "Damini App" for Lightning warning.

LEGENDS:

Probabilistic Forecast			
Terms	*Probability of Occurrence (%)*	*Terms*	*Probability of Occurrence (%)*
Most Likely	*>75*	***Very Likely***	*51-75*
Likely	*25-50*	***Unlikely***	*<25*
Dry: *No station reported rainfall*			

Intensity of Rainfall	
Very Light Rainfall: *Trace-002.4 mm*	***Light Rain:*** *002.5-015.5 mm*
Moderate Rainfall: *015.6-064.4 mm*	***Heavy Rainfall:*** *064.5-115.5 mm*
Very Heavy Rainfall: *115.6-204.4 mm*	***Extremely Heavy Rainfall:*** *≥204.5 mm*

Spatial distribution of Rainfall			
% of stations reporting	*Category*	*% of stations reporting*	*Category*
76-100	***Most places (Widespread)***	*51-75*	***Many places (Fairly widespread)***
26-50	***Few places (Scattered)***	*01-25*	***Isolated places***
Dry: *No station reported rainfall*			

Warning	
No WARNING (NO ACTION)	**WATCH (Be updated)**
ALERT (Keep vigil)	**WARNING (Take action)**