

Synoptic study associated with cyclonic storm following heavy avalanches of November 1995 in Khumbu Region

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ABSTRACT

The autumn (October-November) in Nepal is generally a fine weather season with plenty of sunshine but little rain. In spite of that, heavy rain or precipitation along with avalanches observed in the Nepalese Himalayas on the second week of November 1995. Thus, an investigation has been made on the atmospheric mechanism behind its unusual trajectory of the storm originated from the Bay of Bengal towards the land of Nepal, which was found to be the prime cause of violent weather over the entire country. The presence of the Himalayas in the north facilitated the strong southerly moist wind field in association with the cyclonic storm in the lower troposphere for orographic lifting, which ultimately generated heavy precipitation along with avalanches over east Nepal.

Keywords: Himalayas, avalanches, Khumbu, cyclonic storm, Bay of Bengal
