

Pensilungpa Glacier

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In news- A recent study conducted by the **Wadia Institute of Himalayan Geology (WIHG), Dehradun, an autonomous institute under the Department of Science & Technology** has attributed the retreat of Pensilungpa Glacier in Ladakh to an increase in the temperature and decrease in precipitation during winters.

Key findings of the study-

- It is based on field **observations for glacier mass balance collected via stake networking (stake made of bamboo, is installed (insert) on the glacier surface using the steam drill for mass balance measurement) over the glacier surface since 2016-2019.**
- It has found that recessional trends of the Pensilungpa Glacier lead to an increase in the temperature and decrease in precipitation during winters.
- The mass balance data for the last 3 years (2016–2019) showed a negative trend with a small accumulation area ratio.
- The study also suggests that due to continuous rise in the air temperature in line with the global trend, the melting would increase.
- As per the study, it is possible that the precipitation of summer periods at higher altitudes will change from snow to rain, and that may influence the summer and winter pattern.

About Pensilungpa Glacier-

- It is located at the **north western corner of Zaskar valley , Ladakh.**
- Major part of the ablation zone of the glacier is debris covered.
- From the snout of this glacier **river Suru** originated.
- The glacier falls in the monsoon-arid transition zone.

List of glaciers of India

Jammu and Kashmir	Himachal Pradesh	Sikkim	Uttarakhand
Siachen Glacier	Bara Shigri	Zemu Glacier	Gangotri Glacier
Nubra Glacier	Chandra Glacier	Rathong Glacier	Kalabaland Glacier
Chong Kumdan Glacier	Chandra Nahai Glacier	Lonak Glacier	Meola Glacier
Drang Drung Glacier	Bhadai Glacier		Milam Glacier
Kimo Glacier	Bhaga Glacier		Namik Glacier
	The Lady of Keylong		Panchhull Glacier
	Mukilla Glacier		Pindari Glacier
	Sonapani		Ralam Glacier
	Gora Glacier		Sona Glacier
	Perad Glacier		Kafri Glacier
	Parbati and Dudhni		Sunderbanga
	Beas Kund		Jaundha
	Miyar Glacier		