

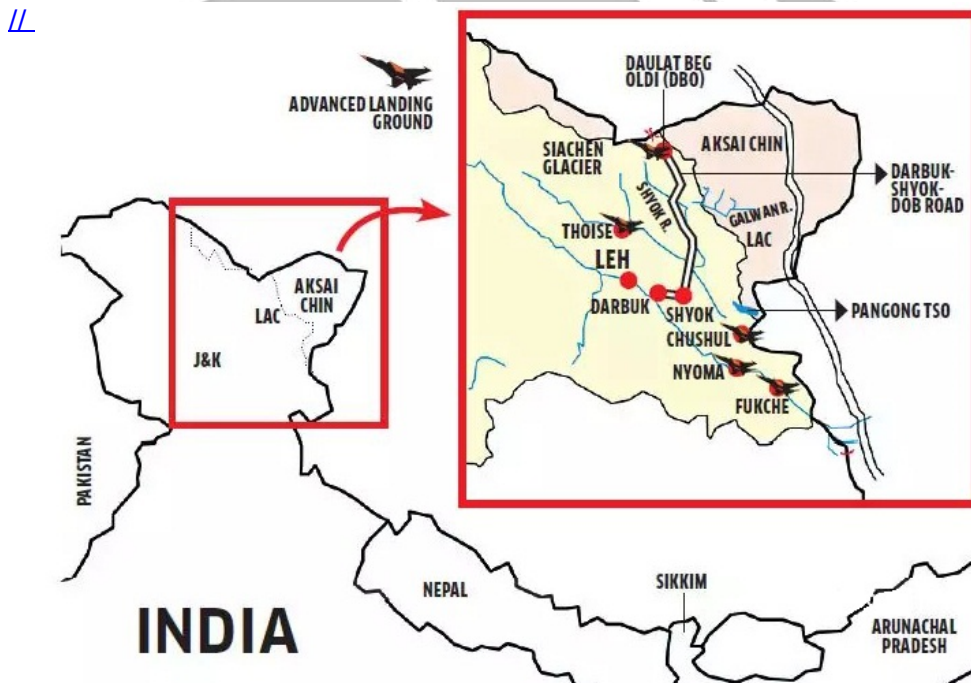


## Optical Fibre in Siachen

Source: HT

For the very **first time**, the Indian Army has successfully installed **Optical fibre connectivity** at [Siachen](#) and [Daulat Beg Oldie \(DBO\)](#) to ensure **high-speed broadband connectivity**.

- **Fiber optic cables** use fast-traveling pulses of light to transfer digital information. It relies on [total internal reflection](#) for their operation.
- Siachen is the **world's highest and coldest** battlefield. It is strategically located between **Pakistan on the left and China on the right**.
  - It is situated to the **North of Nubra Valley** through which **Nubra river** flows.
    - The **Nubra River** originates from the Siachen Glacier and is a tributary of the [Shyok River](#), which is part of the [Indus River system](#).
  - Additionally, Siachen glacier provides a view of the **Nubra valley in the Karakoram ranges**.
  - **Siachen** has been under Indian control since 1984, when the Indian Army launched [Operation Meghdoot](#) and occupied the glacier on the **Saltoro ridge** before it fell into Pakistani hands.
- **DBO** is an **Indian military base**, located at the **Northernmost tip** of India in the **Karakoram mountains**.



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