

Total length of Nepal fiber optic cable line



Summary of Content

As of mid-2021, Nepal has installed approximately 1,600 kilometers of fiber optic cables under its Optical Fiber Backbone Network Expansion Project.

Overview of Fiber Optic Deployment

Nepal's fiber optic network expansion is managed by the Nepal Telecommunications Authority (NTA) and executed primarily by Nepal Telecom (NT). The project aims to connect multiple provinces and districts to enable high-speed data transfer, voice, and video communication. The expansion project began in 2012 with an initial goal of completing the network within two years, but progress has been slower than planned, with only 46.16% of the work completed by mid-2021.

Installed Length and Coverage

- Total installed length: Approximately 1,600 km of optical fiber has been laid across the country.
- First phase coverage: Provinces 1, 2, and Bagmati have been largely completed by Nepal Telecom, covering over 1,000 km.
- Pending sections: Installation in Gandaki and Lumbini provinces (Province 4 and 5) has been delayed due to legal and contractual issues, leaving 2,160 km of planned fiber yet to be installed.

Project Challenges

The expansion project has faced several hurdles:

Article Content

Nepal Telecom Surveys 1,958 km Across 55 Routes for Backbone

Nepal Telecom has completed surveys on 55 different routes under its "Backbone Transmission Project" in the current fiscal year,

Nepal gets first fiber link to China, ends dependence on India

China and Nepal have been connected by an optical fiber link, ending the country's sole reliance on India for all of its

14 Fiber Optics Statistics, Facts and History in 2026

If you're curious about where the fiber optics industry stands in 2023, take a look at our list

Top 5 Benefits of Using Optical Fiber Internet in Nepal

Benefits of optical fiber internet over broadband & cable internet Internet connectivity over fiber-optics is unmatched in every aspect

Directives for laying and maintaining Optical Fibre Network

All the Licensees must submit the detail information of their existing optical fibre network in the format as stated in Form A and Form

Nepal Telecom Expands NT Fiber FTTH Capacity To 2.237 Million Lines

According to the Wireline and Customer Service Directorate of the telecom, a plan is being implemented to distribute a total of more

China links Nepal with optical fibre to end "India dependence"

China has extended its optical fibre network to Nepal via Geelong (Keyrong)-Rasuwgadhi border point, "which has

With new Chinese link, Nepal ends India's internet monopoly

Nepal has joined hands with China to offer internet services to its citizens, officials said on Friday, ending India's

Nepal Telecom Fiber Internet | NT Fiber Net | Price, Speed & Offers

Ntc fiber internet offers high-speed services up to 200 Mbps, combining internet, telephone, and TV features for

NEA Expanded 6500 Circuit Kilometers Of Transmissio Line In Eight

Out of the total transmission lines, the maximum 132 kV is 4,136 circuit kilometers and the minimum 66 kV is 514

OpenFiberMap — Global Fiber Optic Network Map

Free, open-source, interactive 3D map of the world's terrestrial fiber optic networks. Browse routes, IXPs, data centers, and landing

Optical fiber backbone project: fibers laid around 1,600 Kilometers

Samundra Ghimire / Kathmandu, Aug 3: Optical Fiber has been installed along 1,600 kilometres length so far under the

Fiber Optic Cable Distance: A Comprehensive Guide

However, fiber optic cable performance over distance varies depending on factors such as cable type, installation

NT | Tariffs | FTTH Tariff

Explore Nepal Telecom's FTTH tariffs and Internet packages for various needs.

Nepal Telecom Fiber Internet | NT Fiber Net | Price,

Find all the information about Nepal Telecom fiber net (NT Fiber) offers, price & combo packs

The Future of Fiber Optic Internet in Nepal: Opportunities & Challenges

Nepal's broadband future depends heavily on fiber optic expansion. With urban demand rising and rural connectivity catching up,

Nepal-China optical fibre link operationalised

Kathmandu, January 12 The much-hyped Nepal-China Optical Fibre Link Project has begun commercial operation from today. The

Nepal Completes 1,600 Kilometers Of Optical Fiber ...

The Nepal Telecommunications Authority (NTA) revealed that under the optical backbone network expansion project,

Fibre-optic Link Around the Globe

At each cable landing point, a FLAG cable station is located. The total route length exceeds 27,000 kilometres (16,777 miles; 14,579

Nepal Fiber Optics Market (2025-2031) | Revenue & Value

The Nepal Fiber Optics Market is likely to experience consistent growth rate gains over the period 2025 to 2029. From 7.58% in

Fiber Optic Coverage and Internet Usage Statistics in Nepal (2026)

These projections for Nepal are derived from cross-referencing publicly available government data, industry reports from

Fiber Optic Cable in Nepal – 6 Core & 12 Core | D-TECH TRADING

D-TECH supplies reliable and durable Fiber Optic Cables suitable for outdoor and aerial fiber networking projects.

Directives for laying and maintaining Optical Fibre Network

Optical ground wire (OPGW) and all-dielectric self-supporting (ADSS) are also being leased from Nepal Electricity Authority for

Nepal Telecom Launches Optical Fiber-Based Information Highway to ...

Nepal Telecom (NTC) has launched an optical fiber information highway from Manma, Kalikot, to Gamgadhi, Mugu, via

Nepal Telecom Launches Fiber Optic From Kalikot To Mugu | Digital

Nepal Telecom has taken a monumental step in bridging the digital divide by deploying All-Dielectric Self-Supporting

Contact Us

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