

National Optical Cable Infrastructure



Overview

With a vast highway network spanning 146,000 kilometers, NHAI's optical fibre cable (OFC) infrastructure will surpass the comparable networks established by RailTel and Power Grid Corporation of India Ltd (PGCIL) both in scale and reach, positioning it to manage the increasing data. With a vast highway network spanning 146,000 kilometers, NHAI's optical fibre cable (OFC) infrastructure will surpass the comparable networks established by RailTel and Power Grid Corporation of India Ltd (PGCIL) both in scale and reach, positioning it to manage the increasing data. The Ministry will engage with the Private Sector players to conclude the National Optic Fibre Backbone Infrastructure (NOFBI) which aims to enhance universal access to affordable ICTs countrywide. Completing the project will make internet services more reliable, besides enabling citizens to easily. Kenya's fibre network has received a major boost, with the government confirming that Sh34. 4 billion has been invested to expand the system across the country. During the launch event, Tanzania's. Digital public infrastructure in Kenya is growing rapidly thanks to initiatives like Huduma Namba and M-Pesa, as well as programs like the National Optic Fibre Backbone Infrastructure (NOFBI) and e-Citizen. In this article, we will examine how the Kenyan NOFBI project and e-Citizen platform. The National Highways Authority of India (NHAI), under the PPP model, has plans to lay down its own optical fibre cable (OFC) network, along the major highways. The strategic decision is aimed at building and enhancing the infrastructure for barrier-free tolling and smart highways, besides enabling.



Article Content

Hot

2026 Top 8 Optical Fiber Cable Manufacturer in USA

2. Top 8 Optical Fiber Cable Manufacturer Corning Inc. – The Innovation Pioneer Since developing the first low-loss optical fiber in 1970,

Mar 13, 2026 Hot

Optical Core Infrastructure: The Hidden Highway of Connectivity

This three-part series focuses on the security of, and strategic competition around, fiber optic communications infrastructure – the data super-highways of our world. Over 99% of the world's

Dec 11, 2025 Hot

REPUBLIC OF KENYA

The consultant will develop policy recommendations to enhance efficient development and exploitation of national fibre backbone (and also focus on network cybersecurity and privacy practices) leveraging

Feb 24, 2026 Hot

Safeguarding Subsea Cables: Protecting Cyber Infrastructure amid

Subsea fiber-optic cables, a critical information and telecommunications technology (ICT) infrastructure carrying more than 95 percent of international data, are becoming a highly

May 02, 2026 Hot

ICT Authority outlines sh34.4 billion plan to boost kenya's digital ...

The National Optic Fibre Backbone Infrastructure, better known as NOFBI, was conceived in the 2000s to connect government offices, improve digital services, and extend

Dec 12, 2025 Hot

Optical fibre prices rise as preform availability tightens

Strategic implications for 2026 The interaction between sustained demand growth and limited upstream flexibility has reshaped the operating environment for optical fibre and cable

Jun 07, 2026 Hot

Kenya's Optic Fibre Spurs Socio-Economic Growth

As part of the National strategy to spur socio-economic growth in Kenya, through use of Information and Communications Technologies (ICTs), the

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GOVERNMENT ICT STANDARDS

The National ICT Infrastructure Master-plan 2019 identifies lack of standards to guide the design, development and implementation of both backbone and last mile fiber optic infrastructure.

Jan 22, 2026 Hot

Beneath the Strait: Iran Could Threaten Gulf Data Centers, Undersea Cables

The conflict with Iran has exposed tech infrastructure to new acute threats, with Iranian drones striking data centers in Bahrain and the UAE.

Dec 10, 2025 Hot

Inside Govt ambitious plan to expand internet access via

Telecommunications Principal Secretary, Edward Kisiang'ani, revealed the ambitious plan during the Annual National Public Key Infrastructure (NPKI)

Feb 28, 2026 Hot

NEC and NTT successfully conduct first-of-its-kind long

Combining these technologies, NEC and NTT conducted long-distance transmission experiments over 7,280km, assuming a transoceanic-class

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Kenya's Optic Fibre Spurs Socio-Economic Growth

Kenya's Optic Fibre Spurs Socio-Economic Growth As part of the National strategy to spur socio-economic growth in Kenya, through use of

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How NOFBI and e-Citizen Are Shaping Kenya's Digital

Explore how Kenya's National Optic Fibre Backbone Infrastructure (NOFBI) and e-Citizen platform are transforming connectivity, public service

Mar 24, 2026 Hot

Press Release:Press Information Bureau

NHAI is working towards development of around 10,000 km of Optic Fibre Cables (OFC) infrastructure across the country by FY2024-25. National Highways Logistics Management Limited

Mar 23, 2026 Hot

Digital Public Infrastructure in Kenya is Growing Rapidly

The National Optic Fibre Backbone Infrastructure (NOFBI) project is a pivotal initiative by the Kenyan government to enhance digital connectivity across

Dec 19, 2025 Hot

National Broadband Map

The FCC National Broadband Map displays where Internet services are available across the United States, as reported by Internet Service Providers (ISPs) to the FCC. The map will be updated

Nov 13, 2025 Hot

NHAI to Develop 10,000 Km Optic Fibre Cable

The Ministry of Road Transport & Highways shared that the National Highways Authority of India (NHAI) has planned to develop 10,000 km of optic

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Optic Fibre Cable | Ministry of Information,

The Ministry will engage with the Private Sector players to conclude the National Optic Fibre Backbone Infrastructure (NOFBI) which aims to enhance universal

Aug 16, 2025 Hot

NHAI to lay down 10,000 Km of optic fibre cable

National Highways Authority of India (NHAI), on Wednesday, said that it is working towards the development of around 10,000 km of Optic Fibre Cable

Jul 22, 2025 Hot

How NOFBI and e-Citizen Are Shaping Kenya's Digital

By laying thousands of kilometers of optic fiber cables across the country, NOFBI has brought high-speed internet access to urban and rural areas.

Nov 09, 2025 Hot

Tanzania And Kenya Launch New Redundancy Route

Tanzania and Kenya have officially inaugurated the redundancy route of the National Optic Fibre Cable network at the Horohoro border post, marking a

Jul 07, 2025 Hot

Guinea signs deal for second submarine fibre-optic cable to boost ...

Guinea has taken a major step toward strengthening its digital infrastructure following the signing of a contract for the construction and maintenance of a second submarine fibre-optic cable,

Aug 27, 2025 Hot

Fiber Map of the World 2026

Terrestrial fiber optic networks form the backbone of global telecommunications, linking major cities, data centers, and critical infrastructure. Unlike submarine cables that span oceans, land-based fiber

Nov 11, 2025 Hot

Apple supplier Corning wins \$6 billion from Meta for AI optical fiber

Corning, a 175-year-old glassmaker known for supplying iPhone glass, is now at the center of the AI infrastructure boom with a new type of fiber-optic cable

May 21, 2026 Hot

NHAI Plans to Build Nationwide Optical Fibre Network

NHAI has shown interest in the nationwide rollout of optical fibre networks along major highways under the PPP model. With a vast highway

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Fiber Optics Bids, RFPs & Government Contracts | Find RFP

Find RFP searches and finds fiber optics bids, contracts, and request for proposals. Below is a sample search result showing the newly published government contracts and bids in fiber

Jul 06, 2025 Hot

Kenya expands fibre network to 13,590km in 2025,

Kenya has expanded its national fibre optic network to 13,590 kilometres in 2025, up from 8,900 kilometres in 2022, marking a significant stride

Apr 24, 2026 Hot

Progress made in the NOFBI Infrastructure Project (National Fibre

This map captures players and progress made in Kenya's National Fibre-Optic Infrastructure Project. and highlights some of the ongoing and future plans.

Jun 01, 2026

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