India s Fiber Optic Cable Development



Overview

India laid 698,010 route KM of Optical Fibre Cable by March 2025, a significant three-year expansion. Kerala (81,764 km) and Tamil Nadu (86,944 km) lead, with Andhra Pradesh and Telangana also showing strong growth. The Big Tech is moving toward an annual spend of Rs 5000 crore in fibre cable networks. There is a noticeable shift taking place in the fibre landscape. Read on. Meta, Google, Microsoft, and Amazon are moving toward an annual. India's fibre roll-outs in 2025 are marking a dramatic step-change in both coverage and capacity, turbocharged by a convergence of public and private sector initiatives. As of March 2025, the country deployed nearly 700,000 route kilometres of optical fibre cable, with southern states like Tamil. Google has announced plans to build a new network of high-capacity subsea cables and fiber-optic routes connecting India with the United States and key regions across Asia, Africa, and Australia. The project, revealed at the ongoing AI Impact Summit in New Delhi, aims to increase internet capacity. With increasing demand for high-speed internet, 5G roll-out and data center growth, deployment of a robust and reliable optic fiber cable (“OFC”) infrastructure has become essential to support India's expanding digital ecosystem. Fueled by this market opportunity, companies are focusing on. The Ministry of Road Transport & Highways shared that the National Highways Authority of India (NHAI) has planned to develop 10,000 km of optic fibre cable infrastructure across India, to be fully developed by FY2024-25. The ministry has designated pilot routes for the digital highway development.

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Article Content

India''s fiber-optic revolution — Weaving a web of influence

The National Highways Authority of India plans to lay a nationwide optical fibre cable network along its 146,000 km of highways under a public-private partnership

India''s fibre-optic expansion in 2025 — Nearly 700,000

As of March 2025, the country deployed nearly 700,000 route kilometres of optical fibre cable, with southern states like Tamil Nadu, Kerala,

Google will lay new undersea fiber-optic cables connecting India to ...

Google has announced plans to build a new network of high-capacity subsea cables and fiber-optic routes connecting India with the United States and key regions across Asia, Africa, and...

Fiber opportunity in India — Regulatory framework

With increasing demand for high-speed internet, 5G roll-out and data center growth, deployment of a robust and reliable optic fiber cable (“OFC”) infrastructure has become essential to

NHAI to Develop 10,000 Km Optic Fibre Cable Infrastructure across

The National Highways Authority of India (NHAI) is planning to develop around 10,000 km of optic fibre cable (OFC) infrastructure across the country, the Ministry of Road Transport &

NHAI Plans to Build Nationwide Optical Fibre Network

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.

Optical fibre cable rollout in India: Nearly 7 lakh km covered by March ...

India has shown substantial progress in expanding its optical fibre cable (OFC) network, laying a total of 698,010 route kilometres across the country over the last three years, as of 31...

A Roadmap for Securing India''s Undersea Cables

India''s subsea cable network faces strategic risk. This report outlines urgent reforms to improve resilience, repair capability, and long-term digital sovereignty.

India''s Fiberisation Target: 70% by 2025 With Gati Shakti and RoW ...

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PwC India highlights that uniform right-of-way (RoW) rules and the PM Gati Shakti National Master Plan could help India achieve 70% telecom fiberisation by 2025, driven by integrated

Google plans $15b investment in US-India fiber-optic

It includes the development of a new subsea gateway in Visakhapatnam, along with three subsea routes connecting India to Singapore,

Fiber optic cable Market Size, Share & Trends, 2034

Global Fiber Optic Cable Market Size The global fiber optic cable market size was valued at USD 13.84 billion in 2025 and is anticipated to reach USD 15.26 billion in 2026 and USD 33.29

Japanese Fiber Optic Cable Manufacturers

Conclusion Japanese fiber optic cable manufacturers are renowned for their commitment to quality, innovation, and precision. These companies play a vital role in powering global

Announcing America-India Connect and new investments to advance

We are developing a direct fiber-optic path between Vizag and Chennai on India''s east coast to South Africa. When combined with the Equiano and Nuvem subsea cable systems, this will

Azerbaijan, Kazakhstan Advance Trans-Caspian Fiber-Optic Cable

Kazakhstan and Azerbaijan are moving ahead with the development of the Trans-Caspian fiber-optic communication line, which is designed to run along the floor of the Caspian Sea and

#BREAKING: $META Signed Its First AI Data Center Deal in India

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Global Fiber-optic Cable Market Research Report 2026

The global Fiber-optic Cable market was valued at US$ 9756 million in 2025 and is anticipated to reach US$ 13550 million by 2032, at a CAGR of 4.9% from 2026 to 2032.

Understanding the Fiber Optic Cable Market 2026-2033: Development ...

The "Fiber Optic Cable market" decisions are mostly driven by resource optimization and cost-effectiveness. Demand and supply dynamics are revealed by market research, which supports

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