Construction Plan for Optical Cable Lines in Sierra Leone



Overview

Sierra Leone Communication Power Fiber Optic CableBefore the fiber optic cable, Sierra Leone"s internet service had only been through Revolution in commun.

Key Takeaways

Sierra Leone is expanding its national fibre optic network through a multi-phase project covering 690 km of backbone cable, connecting 19 cities and rural districts, financed by a US$30-million loan and implemented with Huawei Technologies.

Project Overview

Sierra Leone's National Fibre Optic Backbone Project aims to enhance broadband connectivity across the country, particularly in unconnected regions, enabling mobile network operators (MNOs) and internet service providers (ISPs) to expand 3G and 4G services. The project is part of the broader strategy to transform Sierra Leone into a Digital Economy, guided by the Ministry of Communication, Technology and Innovation (MoCTI) and regulated by the National Communications Authority (NatCA),.

Scope and Implementation

Length and Coverage: The second phase involves 690 km of fibre optic cable, connecting 19 cities. Fifteen cities will receive new backbone stations, while four will have a new metropolitan area network serving approximately 2. 6 million people.

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Urban and Rural Deployment: Sierratel, in collaboration with Huawei Technologies, is installing 72 km of aerial fibre optic cable through Freetown and rural districts, including environmentally sensitive areas like the Western Peninsula National Park. Environmental and Social Considerations: A land-use and visual survey, along with an Environmental and Social Impact Assessment (ESIA), has been conducted to minimize disruption to historic buildings and protected areas. Over 500 local residents were consulted, with more than 95% supporting the project.

Financing and Management

Funding: The project is financed through a US$30-million loan from the Exim Bank of China, with repayment managed by the Sierra Leone Cable Network (SALCAB) over 15 years after a five-year grace period. Management: SALCAB oversees the project, ensuring implementation aligns with national broadband strategies and regulatory frameworks.

Regulatory and Strategic Framework

Policy Oversight: MoCTI develops ICT policies and roadmaps, while NatCA regulates licensing, spectrum management, and cybersecurity. Universal Access: The Universal Access Development Fund (UADF) supports extending broadband to underserved communities, promoting accessibility and affordability.

Opportunities and Tenders

Businesses and contractors can access tenders for optical fibre cables and related infrastructure through government portals and platforms like Global Tenders, which list ongoing and upcoming projects. Additionally, the Blackridge Research database provides detailed project stages, pre-construction updates, and contract opportunities.

Key Takeaways

The construction plan for optical cable lines in Sierra Leone is a strategically phased, government-backed initiative integrating urban and rural connectivity, environmental safeguards, and public-private collaboration. It leverages international financing, local management, and regulatory oversight to expand broadband access, improve digital infrastructure, and support economic development across the country.

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Article Content

Sierra Leone Communication Power Fiber Optic Cable

Before the fiber optic cable, Sierra Leone"s internet service had only been through Revolution in communication President Ernest Bai Koroma on Wednesday finally switched on the first submarine

The Sierra Leone National Broadband Strategy_v5 21

This is in line with the Sustainable Development Goal (SDG) No. 9 (investing in ICT access) and Cluster 3.5 of the Sierra Leone Medium Term National Development Plan 2019-2023 which relates to ICT

(National Fibre Backbone Network)

Approx. 1,630 km underground fiber optic network borders with two neighbouring countries (Guinea & Liberia) and covers over 85% of districts, with a footprint in many chiefdoms, towns, and villages.

Metro Cables

Ultra One delivers one of the most advanced and resilient connectivity infrastructures in Sierra Leone. Our network spans the national landscape and connects to global hubs, providing:

Sierra Leone

Sierratel has commissioned Huawei Technologies Co Ltd to install 72 kilometres of aerial fibre optic cable through the centre of Freetown and rural districts including a section through the Western

Sierra Leone: construction of phase 2 of the national fiber optic ...

Carried out by Huawei Technologies, the second phase of the network is expected to be completed in two years. It is financed by the Chinese government with a loan of USD 30 million. It aims to

Sierra Leone secures US$30-million to advance fibre optic project

At a recent press briefing, information ministry officials said the contract is based on a renegotiated agreement and covers 690 km of fibre optic cable.

US$ 30Mn fiber optic set to roll out in Sierra Leone

The Government of Sierra Leone is set to roll out the phase two of a US$30 million fiber optic project. The Ministry of Information and Communication say the project is part of government''s

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Infrastructure and growth In Sierra Leone

Agenda for Change, and adds in regional infrastructure development initiatives sponsored by the Economic Community of West African States of which Sierra Leone is a member. The infrastructure

Global Legal Chronicle

Proskauer has advised Columbia Capital. Columbia Capital has entered into an agreement to be acquired by Digital Realty, the world''s largest cloud- and carrier-neutral data center...

MINISTRY OF COMMUNICATION, TECHNOLOGY AND INNOVATION

Demand Analysis: Analyze current and projected demand for internet bandwidth, data usage, and services in Sierra Leone. Technical Feasibility Study: Evaluate technical requirements, including

Western Area Fibernet and IP Communications Infrastructure

Sierra Leone Cable Limited (SALCAB) is a wholly government owned Optical Fiber infrastructure company incorporated as a limited liability company in 2012, operating as a regulated wholesale

World Bank Document

In early 2016, the Government of Sierra Leone (GoSL) developed an economic recovery plan, but its implementation has been quite challenging as an effective and sustainable resumption of broad

Officetel-watcher/seen.json at main · siufuguv-hub/Officetel ...

Contribute to siufuguv-hub/Officetel-watcher development by creating an account on GitHub.

Sierra Leone Cable

Who is Sierra Leone Cable Sierra Leone Cable Limited (SALCAB) is a wholly government owned Optical Fiber infrastructure company incorporated as a limited liability company i n 2012, operating as

SPACE FOR PROJECT NAME

Cable - 1CX630SQMM AL (UG) XLPE,FRLS power cable /PH Line 2 - This transmission line commences from Kissy Project Power Station at Sierra Leone, which runs in east direction to the

Sierra Leone Cable Information

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Sierra Leone Cable Limited (SALCAB) is a wholly government owned Optical Fiber infrastructure company incorporated as a limited liability company in 2012, operating as a regulated wholesale

SIERRA LEONE ENERGY TRANSITION AND GREEN GROWTH PLAN

I am confident that this Energy Transition and Green Growth Plan will advance our shared vision of prosperity alongside environmental stewardship. This plan outlines how Sierra Leone can embark on

Contact Us

Continue your research online:

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Technical inquiry: https://fdsoluciones.es/project-enquiry.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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