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Bangladesh Communications 5G Base Station Environmentally Friendly Electricity



Overview

What is 5G mobile connectivity in Bangladesh?

Recently, fifth-generation (5G) mobile connectivity has been launched in Bangladesh on a trial-run basis. 5G is a super-speed mobile network that is much faster than the existing fourth-generation (4G) technology.

What are the challenges in implementing a 5G network in Bangladesh?

The major challenges in implementing a 5G network in Bangladesh include the cost of spectrum, equipment, cost, deployment coverage, lack of supported devices, high consumer VAT (value-added tax), short length propagation of mmWave, security, and privacy. This paper will also present the current Internet speed in Bangladesh.

Is Bangladesh ready for 5G?

When Bangladesh is entirely prepared for 5G deployment, it is recommended to survey to determine the areas where 5G should be prioritized, in order to reduce costs, and avoid redundancy. Moreover, network operators should collaborate and share 5G infrastructure to assure rural service coverage while minimizing costs.

Is Bangladesh tapping into its energy potential?

In the southern parts of the country, over 2 million people depend on these staples for food. Currently, the low share of renewable energy in the electricity sector in Bangladesh is a damning indication that Bangladesh isn't tapping into its existing potential.

How to evaluate a 5G energy-optimised network?

To properly examine an energy-optimised network, it is very crucial to select the most suitable EE metric for 5G networks. EE is the ratio of transmitted bits for every joule of energy expended. Therefore, while measuring it, different perspectives need to be considered such as from the network or user's point

of view.

Is Bangladesh aiming to maximize profits by selling 5G spectrum?

The ITU has designated the spectrum for 5G in Bangladesh, prompting telecom companies to expedite the implementation of 5G technology. Nevertheless, certain operators have raised concerns, alleging that the government aims to maximize profits by selling the 5G spectrum.

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