
Description: The global hydropower market is expected to grow at a CAGR of 4.1% from 2014 to 2020. Hydropower is one of the oldest sources of energy which was used thousands of years ago - to turn paddle wheels that help grind grain. Hydropower is a versatile, sustainable technology and it is the world's largest source of renewable energy and currently accounts for about 20% of the world's total electricity supply. It has one of the best efficiencies of conversion of all known energy sources (water to wire 90 percent efficiency). Harnessing water maturely can help take electricity access to millions of people. Stable, reliable, and affordable electricity supply is also crucial for driving economic growth and ending extreme poverty.

Hydropower can be highly flexible and quickly responds to fluctuations in electricity demand thereby providing stability to the grid. The cost of hydropower is relatively low, making it a viable source of renewable energy. The major advantage of hydroelectricity is its non-intermittent supply, long service life with very low maintenance and operational costs. Moreover, the operating cost of a hydroelectric station doesn't have a bearing on Global oil and gas supplies. Thus, it is immune (to oil supply and demand fluctuations).

The global hydropower market is expected to expand significantly due to increase in Global electricity demand, especially in developing countries, owing to the surge in population and rapid industrialization. As conventional sources have become expensive due to the depleting supply and intermittent prices, it has become essential to explore renewable energy sources. Consequently, government policies have become more favorable to encourage investments in hydropower from both public and private players. The collective effect of these factors is expected to drive the market at an exponential rate.

On the flipside, Environmental (Regulatory Framework to obtain clearances) and societal concerns (disruption in habitat and resettlement of communities), Administrative Bottlenecks, High Initial Investments, and High Gestation Period are constraining the market.

Significant untapped hydropower potential across the world is providing opportunities for investments in hydropower.

This report comprehensively analyzes the Hydropower Market by segmenting it based on geography and capacity. Estimates in each segment are provided for the next five years. Key drivers and restraints that are affecting the growth of this market were discussed in detail. The study also elucidates on the competitive landscape and key market players.

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