Global Hydro Turbine Market - Analysis by Geography, by Deployment Location Competitive Landscape, Key Company Information - Growth Trends and Forecasts (2016 - 2021)

Description: The Global Hydro turbine Market has been estimated at USD XX billion in 2015 and is projected to reach USD XX billion by 2020, at a CAGR of XX % during the forecast period from 2015 to 2020. Hydro turbines are the device that converts hydraulic energy into the mechanical energy. The turbines transfer the energy from a flowing fluid to rotating shaft. Hydropower is a relatively mature industry that has been generating electricity since 19th century. Hydropower is providing approximately 17% of the worlds electricity and more than 50% of clean, renewable electricity output annually, worldwide. Hydro technology with a lower environmental impact such as low head turbines, small hydro and run-of river are extremely popular to meet energy needs.

These Hydro turbines offer solutions to both Power generation companies as well as the agricultural applications. Which include electricity production, agriculture, marine applications, mechanical drive, industrial, pumps.

This market is strongly driven by a number of factors, such as Increasing Energy Demand, rise in demand for Cleantech, Policy targets etc. However, this market faces certain drawbacks, such Design challenges of the turbine, Ecological concern related to dams, Relocation and rehabilitation of affected stakeholders, Environmental issues, long gestation period & high installation cost of dams, and others. These factors may act as a roadblock to the growth of the market.

This market can be broadly segmented into two main types of hydro turbines: impulse and reaction. And reaction turbines were further divided into Kaplan, francis and reversible francis. The type of hydropower turbine selected for a project is based on the height of standing water referred to as head" and the flow

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