

Pre feasibility Report on Captive Power Plant (5 MW)

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SYNOPSIS

Bullish economic growth story of any country depends on a robust power generation & delivery model. A weak power infrastructure impedes the growth potential & thus pulls back the growth initiative. India's per capita power consumption was 490 units (Kwh) in 2004-05 which was one third compared to 1500 units of China at that time. Indian consumption stood to about 644 units in 2007-08 at an annual average growth of 10.47%. However, during the same period, China's consumption has grown at an approximate growth rate of 12 to 13% per annum expanding the gap to some further extent.

The National Electricity Policy envisages "Power for all by 2012" and the per capita availability of power to be increased to over 1000 units by that period, which indicates an average consumption growth of about 13.81% every year. It is easy to make such a rosy projection for the future, but very difficult to attain it, especially when the capacity addition targets of every five year plan falls short of expectations. In this back drop, there comes the need for increased private participation in the power sector & initiating policies by more and more private companies to be self reliant on power front.

This Pre-feasibility report on Captive Power Project (5 MW) is prepared taking into account the immense potential for power generation in the country. This report is structured into 5 chapters consisting of Project Concept, Industry Scenario, Captive Power Scenario in India, Project Details and Conclusion. This report provides an overview of Indian Power sector, demand & supply of power, industry segmentation & structure and growth drivers. It also gives insight into the procedure for setting up a power project, type of machinery required, requirement of permissions & clearances, capital outlay, profitability, payback period, internal rate of return (IRR) and other project related analysis. The financial model of the project will also be provided along with the report. The potential buyer may customize the calculations in this user friendly model by imputing his numbers and see the viability of his project.

This report along with the financial model will be useful to existing industrialists planning to setup Captive Power plant, banks offering loan services to independent power producers, management & financial consultants, and administration and management students.

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