

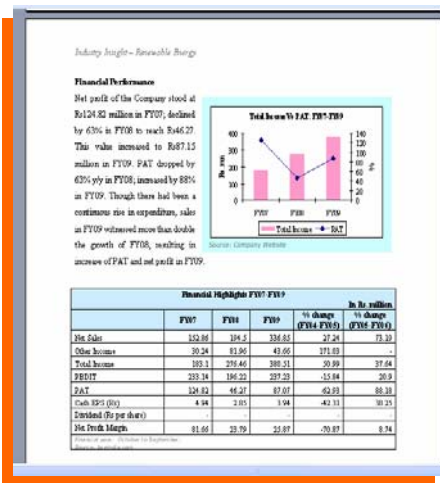
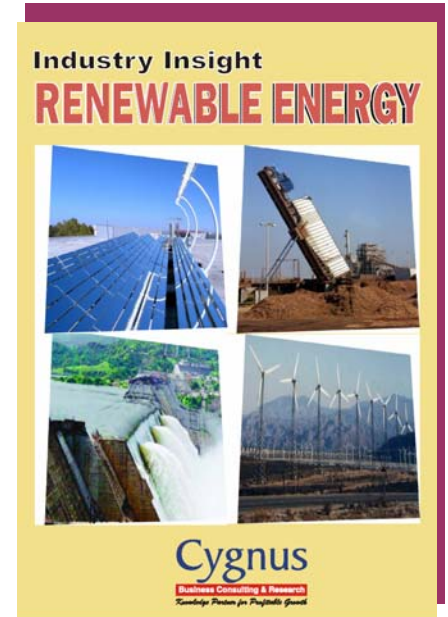
# Industry Insight Renewable Energy Market in India

## Introduction

Emission of greenhouse gases leading to climate changes is a major concern globally. India is among the top six contributors to greenhouse gas emission, though per capita emission is substantially low compared with other developed countries. Under the Kyoto Protocol's terms, industrial country parties will be obligated to limit their greenhouse gas emissions by 2008-12. India has also signed the treaty and under the protocol India focuses now to drive a clean development mechanism aimed at protecting the environment by reducing carbon emissions. India's energy demand is increasing with the robust growth in economy. A steady forecasted growth for manufacturing sector would need more power generation in future. However, power generation through fossil fuels raises serious concern over the depleting resources and environmental pollution. In light of this concern, renewable energy is a major option in India.

## Highlights

- There is a large scope for investments in solar energy sector and Government of India is taking all the necessary measures to promote the solar energy generation in the country.
- Wind energy, the fastest growing renewable energy source, accounts for over 70% of the total installed renewable energy generation capacity. A cumulative capacity of 10,891 MW has been set up so far (as on October 31, 2009). This makes India as the fifth largest producer of wind energy in the world.
- 50,000 MW Hydro Initiative was launched by the government in 2003 as a part of the energy security programme. Out of the proposed 162 projects, 77 projects totalling a capacity of about 37,000 MW were undertaken. All these projects are likely to be operational by the end of 12th plan (2012-17).
- India has been able to utilise only around 35% of the potential of biomass energy and has a future potential for almost 12 million biomass plants.
- The existing alliances and agreements between Indian and foreign players for various project activities are bound to continue in the future. Besides, the growing prospects in this sector are also attracting new players and this scenario is likely to tighten the competition in this sector.
- Globally, India ranks 5th, in terms of exploitable hydro-potential and 4th in wind power generation. Hence, there is a huge potential capacity ready to be explored in this sector by entities like manufacturers and project consultants.



## SCOPE OF THE REPORT

- It provides an overview on Indian media & entertainment Industry with reference the market size, regional segmentation, key trends in M&E Sector.
- The report covers solar, wind, hydel and biomass energy. It also discusses the nine major companies in these segments.
- Projects under various segments of renewable energy have been summarized and the related government policies and corresponding agencies and their role have been discussed.
- The report covers R&D in renewable energy, new technologies and the carbon credit scheme.
- More importantly, the report has a special focus on investment opportunities in various segments of renewable energy.
- It profiles major players in solar, Wind, Hydel, BioMass Energy.
- It also discusses about the regulations & policies with reference to the energy related international convention & Treaties etc.
- It presents future outlook of Renewable Energy sector in India.

## BENEFICIAL FOR

- Power & Energy generation Companies
- Investors & Consultants
- Industry Analysts
- Banks & Financial Institutes
- Technology or equipment suppliers,
- Education Institutes
- Venture Capitalist & Entrepreneurs
- Corporate

**No of Pages: 135 || No of Figures: 05 || No of Tables: 38**

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