

Captive Power in India 2021

Market Trends, Economics, Outlook & Projections

A comprehensive analysis of over 2,900 captive power plants

- ❖ Research Report
- ❖ Data-set (Excel)

The Captive Power Market in India 2021 report will help you:

- ❖ Analyse the existing captive power capacity by industry, location and fuel
- ❖ Assess the key trends and new business models
- ❖ Gauge the impact of recent policy/regulatory developments
- ❖ Gain Insight into upcoming captive capacity projections and outlook
- ❖ Understand the cost economics for captive power projects for thermal and renewable CPPs
- ❖ Discuss the opportunities in short-term power market for CPPs

One of the most important drivers of the captive power segment is the high grid power tariff for industrial and commercial consumers. These consumers are charged premium tariffs as they subsidise rural domestic and agricultural consumers and pay much higher tariffs than the average cost of supply. Power reliability has also been a concern from discoms. As a result, industrial consumers have invested in dedicated facilities as captive power projects over the years. More recently, the market has seen the uptake of group captive power projects as a business model due to reduced transmission charges and off-takers equity interest in the project. In terms of fuel choice, while coal-based CPPs continue to occupy the largest share in the tracked capacity, a key trend has been greater adoption of renewable energy on a captive basis due to its greater cost economics with falling capital costs and favourable state and central government policies. Further, trading or third-party sale of surplus power has been a source of additional revenue to CPP owners. Also, with new segments like the green term ahead market are benefiting both generators and buyers to provide new avenues for sale of power and meet their RPO commitments. India Infrastructure Research has just launched a new report which will provide a comprehensive analysis of the captive power market in India, including a database of more than 2,900 CPPs.

1. **Executive Summary**
2. **Overview and Key Trends**
 - ❖ Key Trends in Power Sector
 - ❖ Current Captive Capacity
 - ❖ Growth in the Past Five Years
 - ❖ Recent Developments
 - ❖ Impact of Covid on Projects and Capex Plans
 - ❖ New and Emerging Trends
 - ❖ Issues and Challenges
 - ❖ Growth Drivers
 - ❖ Outlook and Opportunities
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 - ❖ Draft National Tariff Policy
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 - ❖ Issues and concerns

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- ❖ Issues and Concerns

14. Database of Existing Plants

The most comprehensive database covering over 2,900 captive power plants with information on owner, capacity, location, fuel type.

Contact details of the captive power plants will also be provided on a best effort basis.

**CPPs from the following Industries would be covered across the fuel types (Coal, Lignite, Petcoke, Natural gas, Bagasse, Co-generation, Solar Ground-Mounted, Rooftop Solar, Wind, Waste-heat Recovery, Liquid fuels, Biomass, Mixed Fuels, etc).*

- ❖ Metals and Minerals
- ❖ Cement
- ❖ Petrochemicals and Refineries
- ❖ Chemicals
- ❖ Textiles
- ❖ Engineering
- ❖ Pulp and Paper
- ❖ Data Centers
- ❖ Fertilisers
- ❖ Sugar
- ❖ Institutional Users
- ❖ Automobiles
- ❖ Group Captive
- ❖ Etc.

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