

# Financial Management Information on Sugar Industry Bagasse Based Co - Generation Power Plant.

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**Abstract:** *The sugar industry is a key agro-based sector that significantly contributes to economic development, especially in countries like India. It not only produces sugar but also generates valuable by-products such as bagasse, which can be efficiently utilized for energy generation. In recent years, the adoption of bagasse-based cogeneration power plants has emerged as a sustainable and economically viable solution for enhancing energy efficiency and reducing waste in sugar mills.*

*This study focuses on the role of financial management in optimizing the performance of sugar industries, with particular emphasis on bagasse-based cogeneration systems. Effective financial management practices—such as capital budgeting, cost control, working capital management, and investment appraisal—are crucial for ensuring the profitability and long-term sustainability of such projects. The high initial capital investment required for cogeneration plants necessitates careful financial planning and evaluation of returns.*

*Bagasse-based cogeneration not only meets the internal energy requirements of sugar mills but also enables surplus power generation, which can be sold to the grid, thereby creating an additional source of revenue. This diversification improves the financial stability of sugar industries and reduces dependence on fluctuating sugar prices. The abstract concludes that integrating sound financial management practices with renewable energy initiatives like bagasse-based cogeneration enhances operational efficiency, supports sustainable development, and strengthens the overall financial position of the sugar industry.*

**Keywords:** *financial stability*

