

# **Coal Washery - Manufacturing Plant Detailed Project Report, Profile, Business plan, Industry Trends, Market research, survey, Manufacturing Process, Machinery, Raw Materials, Feasibility study, Investment opportunities, Cost and Revenue**

## **Description:**

Coal is the key contributor to the Indian energy portfolio. It contributes to nearly half of commercial primary energy demand and one-third of total energy demand of the country. Although, India is one of the leading producers and consumer of coal, Indian coal has high ash content and embedded impurities, which needs washing and blending of coal for improving the quality of Run-of-Mine (ROM) coal. The steel sector needs coking coal with ash content of less than eighteen percent. Washing helps in reducing ash content by seven to eight percent. Quality and environmental concerns are causing a shift towards higher utilization of washed and blended coal. Presently nearly fifty-two commercial washeries with installed capacity of about 131 MTPA are operating in the country.

In India, only about twenty percent of the coal produced is washed, as against the global average of over fifty percent. Coking coal preparation has long been in operation in India; however the trend of washing of non coking coal is also being seen. About twenty-three percent of the installed capacity is for coking coal and the rest is for non-coking coal. Further, as per the directives of MoEF, the power stations located at more than 1000 km away from coal mines and those located in sensitive areas are required to use coal containing not more than thirty-four percent of ash on annual average basis.

Ever increasing demand of coal in sectors such as power & other metal manufacturing industries, urbanization, increasing oil prices, increase in extracting capacity and technological advancements are some of the major drivers for the global coal washery industry. Additional cost associated with coal washery, composition of raw feeds and absence of incentives schemes to the miner are some of the factors restraining growth of this industry.

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**Keywords:** Coal washing unit, Detailed Project Report, Profile, Business plan, Industry Trends, Market research, survey, Manufacturing Process, Machinery, Raw Materials, Feasibility study, Investment opportunities, Cost and Revenue, market, Project, consultancy, services, entrepreneur, India, Technologies, feasibility study, Identification, Project Feasibility, Profitable, Industrial, Pre-Investment, Pre-Feasibility Studies, Techno-Economic,

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