

Sensitive analyses of Coal-to-Liquid Processes

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This report investigates the economic proprieties of commercial 50,000 barrel per day direct/indirect coal liquefaction (DCL/ICL/hybrid) plants to produce commercial-grade diesel and naphtha liquids. The scope of the study includes capital and operating cost estimates, sensitivity analyses and a comparative financial analyses.

Based on plant capacity of 50,000BPD, employing Illinois #6 bituminous coal as feed coal. In this case, coal price and sale price of products were the most influence factors. According to sensitivity analyses, the important factors on DCL/ICL/hybrid processes were product sale price, feed coal price and the capital cost in order.