

Activated Carbon - Market Survey cum Detailed Techno Economic Feasibility Project Report

Description:

Activated carbon is a non-graphitic form of carbon, which could be produced by activation of any carbonaceous material such as coconut shells, bamboo, wood chips, sawdust, coal, lignite, paddy husk etc. The process of activation is carried out in two stages. The raw material is first carbonized and then activated either by chemicals or by steam to derive the highly porous structure. Shell-based activated carbon is extensively used in the process of refining and bleaching of vegetable oils and chemical solutions, water purification, recovery of solvents, recovery of gold, in gas masks for protection against toxic gases, in filters for providing adequate protection against war gases/nuclear fall outs, etc.

Uses and Application

A wide variety of activated carbon products are available exhibiting markedly different characteristics depending upon the raw material and activation of technique used in their production. In selecting the activated carbon it is important to have a clear understanding of both the adsorptive and physical characteristics of the material in order to optimize the performance capabilities.

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Keywords: Activated Carbon from Saw Dust & Coconut Shell, Activated Carbon, saw dust, coconut shell, Project, consultancy, services, entrepreneur, India, project profiles, Technologies, Opportunities, detailed, feasibility, process, Technology, feasibility study, reports, New Project, Identification, Project Feasibility, Profitable, Industrial, Opportunities, Preparation, Pre-Investment, Pre-Feasibility Studies, Market Surveys, Studies, Techno-Economic, investment, raw material, requirements, manufact

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