

How to Manufacture Rice Husk based Products (Precipitated Silica, Particle Board,

Description:

How to Manufacture Rice Husk based Products (Precipitated Silica, Particle Board, Paper, Rice Bran Oil, Sodium Silicate, Fuel Briquettes, Ultra Pure Silicon, Activated Carbon, etc.)

India is a major rice producing country, and the husk generated during milling is mostly used as a fuel in the boilers for processing paddy, producing energy through direct combustion and / or by gasification. This RHA is a great environment threat causing damage to the land and the surrounding area in which it is dumped. Lots of ways are being thought of for disposing them by making commercial use of this RHA. Rice husk is an agriculture residue abundantly available in rice producing countries. Global production of rice is approximately 580 million tons a year, and this is rising as the world population and the consumption of rice increases. Rice husk is generally not recommended as cattle feed since its cellulose and other sugar contents are low. Furfural and rice bran oil are extracted from rice husk. Industries use rice husk as fuel in boiler and for power generation. Among the different types of biomass used for power generation, rice husk has a high ash content varying from 18 – 20%, silica is the major constituent of rice husk ash.

There is a growing demand for fine amorphous silica in the production of special cement and concrete mixes, high performance concrete, high strength for use in bridges, marine environments, nuclear power plants etc. Rice husk a major by-product of the rice milling industry, is one of the most commonly available lignocellulosic materials that can be converted to different types of fuels and chemical feedstock through a variety of thermo chemical conversion processes. Rice husk ash (RHA) is a by-product from the burning of rice husk that can have favorable effects on the soil in terms of acidity correction. The burning of rice husk for power generation in industries has generated a new residue consisting of a mixture of ash, charred hull and fresh rice husk fractions.

For more details download PDF file.

Keywords: Activated Carbon from Rice Husk, agro waste processing Business, Agro waste Small Scale Industries Projects, best small and cottage scale industries, Biomass Based Power Project, Biomass Resources from Rice Industry, Charcoal from Rice Husk, Creating commerce out of rice husks, Detailed Project Report on Rice Husk based products, Download free project profiles on Rice Husk based products, Electricity from Rice Husk, Energy from rice husks, Extraction of Silica and other related products from Ric

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