

# Manufacture of Value Added Products from Rice Husk (Hull) and Rice Husk Ash (RHA)

## Description:

**Manufacture of Value Added Products from Rice Husk (Hull) and Rice Husk Ash (RHA): (Precipitated Silica, Activated Carbon, Cement, Electricity, Ethanol, Hardboard, Oxalic Acid, Paper, Particle Board, Rice Husk Briquettes, Rice Husk Pellet, Silicon, Sodium Silicate Projects)**

Rice hulls (or rice husks) are the hard protecting coverings of grains of rice. In addition to protecting rice during the growing season, rice hulls can be put to use as building material, fertilizer, insulation material, or fuel. Rice hulls are the coatings of seeds, or grains, of rice. The husk protects the seed during the growing season, since it is formed from hard materials, including opaline silica and lignin. The hull is mostly indigestible to humans.

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.

**For more details download PDFfile.**

**Keywords:** Activated Carbon from Rice Husk, agro waste processing Business, best small and cottage scale industries, Biomass Resources from Rice Industry, Charcoal from Rice Husk, Creating commerce out of rice husks, Electricity from Rice Husk, Energy from rice husks, Ethanol from Rice Husk, extraction of precipitated silica from rice husk ash, Extraction of Silica and other related products from Rice Husk, Get started in small-scale Rice Husk based products manufacturing, Hardboard from Rice Husk, High Pu

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