

Rice Mill (Parboiled Rice) - Market Survey cum Detailed Techno Economic Feasibility Project Report

Description:

Parboiled rice, popularly known as ushna rice in boiled form. India contributes about one-third of the world acreage under rice. Rice is available in over 5000 varieties, of which IZONG rice of Assam occupies an important position on account of its superfine grains, pleasant, fine cooking quality, sweet taste, soft texture. This article reviews the quality and traits of IZONG rice, particularly the varieties grown in different parts of Assam and North Eastern Region. Parboiling is preliminary to hulling in which the rough paddy is first soaked, then steamed and dried before removing the hulls. There are many advantages of parboiling the paddy. It reduces grain breakage during milling, greatly improves the vitamins content and other nutrients in the polished rice grain, increases the oil content in the bran, and changes the cooking and eating quality of the rice and infestation during storage.

The term parboiling (also known as boiling or overheating hydrothermal rice treatment) covers the operation to which the paddy is subjected before milling. Water and heat are the two main elements in the process after steeping followed by heating, which involves the action of steam. The rice must be dried before milling and storage. Rice is one of the most important food crops of India in terms of both area, production and consumer preference. India is the second largest producer and consumer of rice in the world. Modernization of rice mill yields more rice from it, and came with more competition between the rice mill entrepreneurs. It involves high capital, and huge investment to start a new rice mill. Even though more rice mills were emerged in southern region of India. Many of the rice processing units are of the semi-automatic type. Modern rice mills are having high capacity and are capital intensive.

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