## Glossary

**Bran:** The outermost kernel layers made up of pericarp, seed coat, nucellus and aleurone cells constitute bran. It is high in cellulose, hemicellulose and minerals.

**Carborundum:** Silicon carbide, also known as carborundum, is a compound of silicon and carbon with chemical formula SiC. Silicon carbide powder has been mass-produced since 1893 for use as an abrasive.

**Caryopsis:** One seeded fruit of cereals, in which the fruit coat is adherent to the seed.

**Dehulling:** The husk layer is removed from the paddy by friction and the process is called either de-husking or de-hulling.

**Dosa-** Traditional Indian fermented pancakes made with rice and black gram.

**Emery:** Emery is a dark granular rock used to make abrasive powder. It largely consists of the mineral corundum (aluminium oxide), mixed with other species such as the iron-bearing spinels hercynite and magnetite, and also rutile (titania).

**Endosperm:** Largest part of the rice grain, composed primarily of starch embedded in a protein matrix.

**Extrusion** - Process of shaping items by forcing them through a die.

**Germ:** Germ or embryo consists of the plumule and radical, which are connected by the mesocotyl.

**Hull** -Seed coat, husk, or covering surrounding the rice seed, high in silica content.

**Idli-** A steamed, naturally fermented cake-type product widely consumed as a breakfast food or snack in India. Prepared from ground rice and legumes (usually black gram dhal).

**Koji-** Rice inoculated with *Aspergillus oryzae* and used as starters for a wide range of Oriental fermented foods and fermented beverages, including miso, sake and soy sauces. Acts as a source of various enzymes like lipases.

Pericarp: The outermost layer, or skin, of a ripe fruit or ovary.

**Sake-** Rice wine made by fermentation of rice mashes saccharified with koji starters.

**Whitening:** Removal of bran layer and the germ from brown rice by applying friction to the grain surface either by rubbing the grains against an abrasive surface or against each other.