**Janta Chulha**

Janta Chulha is a natural draft gasifier smokeless stove where rice husks are fed from side of the reactor and burnt efficiently in down draft model. It is a very low cost & economical stove which serves the weakest section of rural society. It does not require & additional source of energy like kerosene etc. Around 10000 stoves are installed in eastern Uttar Pradesh during Jan 2010-June2013. A Fuel Consumption: It consumes only 600 gms of Rice Husk Per Hour & could be operated continuously. Janta Chulha stoves upto 80% of Money invested on Fuel. It’s very economical as 1kg of UPO/Chh R. husk could be replaced by burning 4kg of Rice Husks (Cost Rs.1.8 - only). C Rice Husk is very cheap fuel. It is almost thrown in farm fields so now farmers/poultry could collect husks & cook their food very easily & at low cost. D Janta Chulha eliminates the Durgya Task. Since it does not require Firewood. Hence no durability tasks for children & women. No reasons which states that this stove cause any bad effect to human health.

**Agni Double Burner**

Continuous cooking using the rice husk gas stove can now be done on the recently developed two-burner stove using raw rice husks as fuel. Rural households can now cook even for more than an hour without entirely discharging and reloading the stove. This small cottage industries needing a low-cost but clean-cooking device can also be benefited from using the stove in their daily cooking activities, especially if supply of rice husks is accessible to them. Aimed to provide options for rural households and small cottage industries a clean technology for cooking using agricultural wastes like rice husks as fuel.

**AGNI GASIFIRE**

The continuous gasification is the latest technology developed for converting Rice Husks into combustible gas for various thermal applications. The gasification follows the principle of an inverted downdraft to produce minimum particulates during operation. It is a continuous type gasifier where Rice Husks are fed at the top end of the Reactor and final product discharged at the bottom end. During the process, the burning of Rice Husks moves vertically downward inside the reactor, where limited amount of air is introduced to the fuel bed to create an Oxygen-stripped environment. Gas which is basically rich in carbon monoxide and Hydrogen is Produced and subsequently burnt in the burner to produce heat. It is use with various Industrial/Community application. Reduces the cost upto 80%.

**NDMI CONTINUOUS FLOW RICE HUSK GASIFIER BURNER**

- Designed and developed to provide small to medium scale industries a technology for using thermal devices using gasified synergy from rice husk. Its practicality, the gas generated from the gasifiers can be used as fuel for stove, oven, heaters, driers, boilers, and others.
- Features: a) Rice Husk as fuel b) Convenient to operate c) Produces a balanced flue to provide flame with almost no smoke at all during operation d) Can be used for industrial applications e) Applications to meet the energy need is a good source of material for soil conditioning and for production of bio-coke fuel for Safe to operate.

**SAVE CONVENTIONAL FUEL AND USE RENEWABLE ENERGY**

**RICE HUSK**

- 70% - 80% In Cost
- 80% - 90% In Energy

**DOMESTIC COOKING**

**COMMUNITY COOKING**

**INDUSTRIAL APPLICATIONS**

**COMMERCIAL GASIFIRE**

**NAVDURGA METAL INDUSTRIES (BHARAT)**

**(A MNRRE Approved Biomass Cookstove Manufacturer)**

- Registered Office: 181/18, RUDRA INDIA HOTEL, SAGAR BUILDING, FATEHSAGAR, JAIPUR (Rajasthan - 302001)
- Factory: D-33, UPSIDC SITE-II, INDUSTRIAL AREA MUMTANAZAGAR, FAZILABAD (U.P)
- Mobile: +91 9161492000, 3670121900, 3452231000, 9161492000, 9161792000, 3610121900, 2721219000, 9304522416

E-mail: info@ndmi.co.in, custcare@ndmi.co.in
Website: www.ndmi.co.in

**Clean Cooking Energy**

More Efficient