## Janta Chulha

Janta Chulha is a natural draft gasifire smokeless stove where rice husks are fed from side of the reactor & burnt efficiently in downdraft mode. 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-



June2012. A Fuel Consumption : It consumes only 650 gms of Rice Husk Per Hour & could be operated continuously B Janta Chulha saves upto 80% of Money invested on Fuel: It's very economical as 1kg of LPG(Costs Rs:30/- could be replaced by burning 4kg of Rice Husks (Costs Rs:6/- only). C Rice Husk is very cheap fuel : It is almost thrown in farm fields so now farmers/poorers could collect husks & cook

their food very easily & at low cost D Janta Chulha eliminates the Durgery Tasks: Since it does not require firewood ,Hence no durgery 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. Small cottage industries needing a low-cost but clean-cooking device can also be benefitted 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.



AGS BIOMASS GAS STOVE

### AGNI GASIFIRE

The continous flow gasifire is the latest technology developed for converting Rice Husks into combustible gas for various thermal applications. The gasifire follows the principle of an inverted downdraft to produced minimum particulates during operation. It is a continous type gasifire where Rice Husks are fed at the top end of the Reactor and the char is discharged at the bottom end. During the precess 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-starve environment. Gas which is basically rich in carbon monoxide and Hydrogen, is Produced and subsequently burned in the burner to produce heat. It is use with various Industrial/Community application. It reduces the cost upto 80%

# NDMI CONTINOUS FLOW RICE HUSK GASIFIER BURNER



Designed and developed to provide small- to medium-scale industries a technology for firing thermal devices using gaseous flame from rice husk. By gasification, the gas generated from the gasifiers can be used as fuel for stoves, oven, heaters, dryers, boilers, and others.



Features: • Use rice husk as fuel • Convenient to operate • Produces a luminous blue to pink flame with almost no smoke at all during operation • Gas can be pipe-in for distant application • Varying applications to meet the energy need • By- product can be a good source of material for soil conditioning and for production of bio-coal fuel •Safe to operate





#### SAVE CONVENTIONAL FUEL AND USE RENEWABLE ENERGY (RICE HUSK)

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









1kg = 72/-Rs

1Ltr = 25/-Rs.

5 kg = 30/-Rs.

4 kg = 8/-Rs.



# NAVDURGA METAL INDUSTRIES (BHARAT) ( A MNRE Approved Biomass Cookstove Manufacturer)

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# Clean Cooking Energy More Convenient More Efficient





