

PROBLEM ADDRESSED

Biomass gasification, a century old technology, is viewed today as an alternative to conventional fuel. In gasification process, wood, charcoal and other biomass materials are gasified to produce so called producer gas for power or electricity generation. Conventional designs of gasifier has changed, especially the filters and cooling units, to get clean gas & ensure smooth operation of engine at low operational cost.



PRODUCT

It is a down draft type bio- mass gasifier, compact and efficient system for converting Bio Mass into producer gas which is used as a fuel for running Diesel Engine by making little modification in engine. The Biomass is burnt in a furnace packed from all sides and having one outlet to pass the gases to other chamber where these gases are cooled and then passed through the filter for filtration. This filtered gas is then fed to the engine, as a substitute to diesel or other fuel, for its running.

TECHNICAL DETAILS

- Biomass Gasifiers -5 KWh to 100 Kwh
- Parts of Gasifier: Hopper, Reduction Chamber, Ash Tank, Water Tank, Filters, Ignition Pot, Gas Outlet
- Self Start, Alternator with complete standard accessories (without Battery).

SALIENT FEATURES

- Compact, mobile and a soundproof unit.
- Clean gas generated from the gasifier, making downstream cleaning systems simple.
- Doesn't need continuous flow of water, easy to operate, practically no extra training is required.
- Reliable and rugged system.
- All types of Wood waste and Stalks of cotton, pluses, coconut shells, coconut palm stalks, Maize cobs, Rice husk, Branches & twinges, briquettes of various agricultural residues, Industrial wastes of paper mills, plywood industry etc can be used as a fuel.

