

How to Start Biogas Production, Biogas – An Intense Opportunity (Landfill Gas (LFG), Solid-Fuel, Biomass, Biofuel, Renewable Energy, Biogas Digester)

Description:

As we know that air contains 21% oxygen which means the energy that is released consents biogas to be used as a fuel. Generally, biogas is a renewable fuel. In any country, for cooking or heating purposes biogas can be used as a low-cost fuel.

Biogas can be used as a fuel in stationary and mobile engines, to supply motive power, pump water, drive machinery (e.g., threshers, grinders) or generate electricity. It can be used in both spark and compression (diesel) engines. The spark ignition engine is easily modified to run on biogas by using a gas carburetor. Ignition systems need not be altered, other than minor timing adjustments. At the standard compression ratios, a decrease in power results. Supplementary fuels can be used with biogas in spark ignition engines.

The introduction of biogas technology in the rural areas of India requires technological improvements and financial help for successful operation. The technological improvements should be:

- (a) To nullify the effect of low temperature on gas production;
- (b) To devise simple, economical and labour-saving equipment for dung collection;
- (c) Effective techniques for drying and transporting the effluent.

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Keywords: How to Start Biogas Production, Biogas an Intense Opportunity, Landfill Gas (LFG), Solid-Fuel, Biomass, Biofuel, Renewable Energy, Biogas Digester, Biogas Plants, Composition of biogas and slurry, biogas generation, Janata biogas, Deenbandhu biogas, Shramik Bandhu biogas, Utilization of biogas, Biogas burners, Chapatti burner, Biogas lamps, Wet slurry, Dried slurry

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