

100% Power Generation For Grid Supply

Site of Intervention

- Singapore.

Type of Intervention

- Supply, Installation and Commissioning of Biomass Gasification System for 100% Power Generation Application

Title of the Case Study

- ANKUR BIOMASS GASIFIER FOR 100% POWER GENERATION FOR GRID SUPPLY

Objective of the Case Study

- Biomass Gasification for 100% Power Generation and exporting to Grid

Summary

- To convert Biomass to ultra clean and cool gaseous fuel called “Producer Gas” and use it in Gas Engine Generator Set to provide power for exporting to Grid

Choosing the Intervention - Motivation

- Locally available woody biomass was used in the Gasifier
- Making Products using Renewable Energy
- Ease of operation and hold on process cost
- No fossil fuel required

Description of the Intervention (150 words)

- In 2011, Ankur Scientific supplied, installed and commissioned the Biomass Gasification System for 1.0 MWe power generation. The power generated was exported to Grid.

Intangible or Tangible Benefit (100 words)

- Green and eco-friendly energy
- Reduces CO2 emissions, thus reducing Global Warming

Some photographs of the project:

