

100% Power Generation

Site of Intervention

- Thailand

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 GRID CONNECTED POWER PLANT

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 generate power and exporting to Grid

Choosing the Intervention – Motivation

- Locally available rubber tree roots 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 2012, Ankur Scientific supplied, installed and commissioned three Biomass Gasification System for 4.0 MWe power generation. This was the largest biomass gasification plant in Asia 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
- Economically viable solution of using rubber tree waste

Some photographs of the project:

