

100% Producer Gas Power Generation

Site of Intervention

- Maharashtra. INDIA

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 CAPTIVE POWER CONSUMPTION

Objective of the Case Study

- To provide electricity to the entire school and hostel of 1200 students

Summary

- The Biomass Gasifier system was installed to provide electricity to the whole school

Choosing the Intervention – Motivation

- Locally available woody biomass was used in the Gasifier
- On demand Power availability
- Ease of operation and hold on process cost
- No fossil fuel required

Description of the Intervention (150 words)

- Vishwashanti Dnyanpeeth a renowned educational institute in Parbhani has grid connection but is not stable & reliable. In 2009 Ankur Scientific supplied, installed and commissioned the Biomass Gasification System with suitable 100% producer gas genset of 20-kWe rating and provided training to college people for them to operate and maintain the plant smoothly. Biomass prosopis juliflora is used in Gasifier and is collected at a cheap rate from local farmers. The installation was showcased as a modern technology for converting the agro-waste to energy to the local people.

Intangible or Tangible Benefit (100 words)

- Wealth from Waste
- Farmers got viable solution of disposing unwanted biomass
- Cost effective power source
- Self-Reliance power source
- Awareness of a new technology to local people
- The energy is clean and green

Some photographs of the project:

