

Island Electrification

Site of Intervention

- Corregidor Island, PHILIPPINES

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 ISLAND ELECTRIFICATION

Objective of the Case Study

- To provide renewable energy and environment solution to island people

Summary

- The system was installed to provide power from Renewable Energy

Choosing the Intervention – Motivation

- Locally available woody biomass was used in the Gasifier
- No fossil fuel required

Description of the Intervention (150 words)

- Corregidor island is a historic site in the Philippines known internationally as the last stand of the Filipino & American soldiers during World War II. Now is one of the most viewed tourist spot. The island's facilities are managed by Corregidor Foundation. The foundation has contracted Sun Cruises Inc. to conduct the tour services, operate the hotel & provide sea craft ferry services for everyone travelling to & from the island. Ankur Scientific supplied, installed and commissioned 3 x 29 KWe Biomass Gasifier Plants which supplies electricity to one-half of the hotel's requirement. The trimmings of the trees & plants around the island are used in the Gasifier. The trees in the island are so abundant and grow so fast that the administration had to have the trees trimmed regularly for the tourists to have a view of the sea.

Intangible or Tangible Benefit (100 words)

- Renewable Energy from agriculture & forest waste
- Great environmental solution
- Cheap power production which resulted in increased savings
- The energy is clean and green
- Reduces CO2 emissions, thus reducing Global Warming

Some photographs of the project:

