

INDIEN: JCT PHAGWARA SMALL SCALE BIOMASS PROJECT

Kyoto Mechanism:	Clean Development Mechanism
Project Category (UNFCCC):	Small Scale Energy Generation AMS-I.D.
Location:	Phagwara, Punjab
Emission Reductions purchased:	147.000 t CO _{2e}

The Project consists of the installation of a **5,5 MW** turbine generator for the generation of electrical power from steam fed by a boiler that burns rice husk. The electricity is used to cover the captive demand of the textile mill in Phagwara. Before implementation of the Project, the factory's captive electricity demand was covered by importing electricity from the grid operated by the Punjab State Electricity Board (PSEB).

The Project is anticipated to generate approx. **31.500 MWh_{el}** per year. By substituting previously imported electricity from the grid, emission reductions equivalent to approx. **28.000 t CO_{2e}** per year are expected. The generation of emission reductions up to the year 2012, should amount to roughly **200.000 t CO_{2e}** in total.

The Project adds about 30 jobs, associated with a positive impact on regional value added. The Project contributes to safeguard the factory's location and thereby facilitates various social contributions to the local community. Among others, the factory provides housing as well as water and electricity to over 4.000 workers. Furthermore, a school for children of an age up to 18 is located on the site. All of these services are provided free of charge.

The Project was registered by the Executive Board of the UNFCCC on 3 December, 2005 (<http://cdm.unfccc.int/Projects/DB/TUEV-SUED1129222566.24/view.html>).

Commissioning of the cogeneration plant took place in February 2006.

