

INDIEN: RSCL BAGASSE COGENERATION PROJECT

Kyoto Mechanism:	Clean Development Mechanism
Project Category (UNFCCC):	Energy (renewable/non renewable)
Location:	Mundiyampakkam, Tamil Nadu
Emission Reductions purchased:	455.000 t CO _{2e}



The Project consists of the installation of a high-pressure boiler and a 22 MW turbine generator for the generation of steam and electrical power. The boiler is fuelled with bagasse which accrues during the sugar production process at the „Unit 2 Sugar Factory“ in Tamil Nadu. Steam and electricity are used to cover the captive demand of the sugar factory, any excess power is exported to the grid operated by the Tamil Nadu Electricity Board. Before implementation of the Project, steam and electricity demand of the factory was covered by a variety of biomass fuelled low-pressure

boilers, which were backed-up by a diesel generator set. No electricity was exported to the grid.

As expected, the Project will generate approx. 86.977 MWh_{el} per year. By substituting grid-based electricity, emission reductions equivalent to approx. 80.830 t CO_{2e} per year are anticipated. Up to the year 2012, the Project should generate 586.000 t CO_{2e} emission reductions in total.

The Project adds about 50 direct jobs, associated with a positive impact on regional value added. The Project further results in a diversification and increment of the sugar factory's revenues, which enables the factory to maintain and extend various social contributions to the local community. The sugar factory provides its employees healthcare and education facilities. A higher secondary school currently educates approx. 900 students.



The Project was registered by the Executive Board of the UNFCCC on January 15th, 2006 (<http://cdm.unfccc.int/Projects/DB/DNV-CUK1131982490.57/view.html>). Commissioning of the cogeneration plant took place in September 2005.