



Rural communities do not have a reliable power supply in many parts of India. In areas like these, myclimate seeks to produce clean power using agricultural bio-waste and locally grown biomass.

In collaboration with an experienced Indian company, myclimate will implement several 50 and 100 kW biomass gasification power plants in the State of Bihar. Local farmers provide bio-waste from agriculture and controlled biomass cultivation, which is converted into power. Thereby, power that is generated mostly out of diesel generators is replaced by climate-neutral biomass power. Throughout the 10-year crediting time of the project, CO<sub>2</sub> emissions can be reduced by 12,000 tonnes by each 100 kW power plant.

The project comprises a broad concept for rural development and improvement of local living conditions. Simultaneously to the construction of the power plants, local micro-enterprises, such as a rice mill, a cold storage for agro-products or other agro-processing enterprises, are being formed. These micro-enterprises ensure the supply of sustainably grown biomass to the power plant and purchase adequate amounts of electricity at agreed prices. Furthermore, they create new jobs and aggregate more income in the local rural economy.

An established Indian company takes care of the construction and operation of the power plant. It has developed this broad concept for power supply in rural areas on the basis of biomass gasification, and during the last few years, the company has gathered invaluable experience with similar projects. A local NGO is responsible for the implementation and administration of the project.

<b>Type:</b>	Small scale CDM Project (validated by DNV) CDM registered, Gold Standard validation intended
<b>Location:</b>	Bihar, India
<b>Project Type &amp; Activities:</b>	Generation of electricity from biomass gasification
<b>Baseline:</b>	Diesel generators
<b>Project Volume:</b>	12,000 tonnes of CO <sub>2</sub> equivalent per installed 100 kW power plant (over 10 years)
<b>Implementation Date:</b>	September 2006
<b>Crediting Period:</b>	10 years