

Biomass project in India

CERs Project Case: Tonk

This Gold Standard project generates clean energy from mustard crop residues in Tonk, India.



Challenge

Mustard is big business in the district of Tonk, East Rajasthan. But the production process results in tons of waste that plant owners simply burn in the open air, releasing noxious emissions and squandering a readily available source of sustainable energy.

Technology

The solution was to build a biomass-based power plant in the middle of the mustard fields. Its direct combustion boiler converts the mustard crop residues into electricity, which the district can sell to the state grid or to third parties like large industrial operations.

New Situation

Not only has Tonk reduced its reliance on fossil fuels, its intelligent exploitation of an abundantly available fuel source leads the way for other initiatives in India to clean up their environment and think progressively about supplying energy to industry. Local businesses and residents have also benefitted, as the plant sourced much of its equipment within the district, and created employment opportunities equivalent to 150,000 man days per year.

Project Description

Tonk Biomass Project	
Official project name	Electricity generation from mustard crop residues: Tonk
Type of certificate	Certified Emission Reductions (CERs)
Project Status	The plant is operational since November 2006
Registration	Project registered since April 2008
Crediting period	7 years, twice renewable
Issuance	First CERs issued in 2006
Installed capacity	8 MW
Electricity generation	43.7 GWh per year
Emission reductions	30,000 tCO2e/yr
Methodology	AMS-I.D

Project location

