

Resource Conservation Projects



Raigarh Waste Heat Recovery Project

This project captures and utilizes waste heat at a steel plant in India to provide on-site electricity. The project has generated emission reductions of approximately 50,000 tCO₂ equivalent between 2006 and 2007, verified and certified to the Voluntary Carbon Standard.

Technology partner

MSP Steel & Power Limited

Country

India

About your project

Based at a steel plant in Raigarh in the central Indian state of Chhattisgarh, this project supports the installation of water heat recovery boilers and a steam turbine generator. The boilers capture flue gases which were previously vented directly into the atmosphere. The captured gases produce steam which drives the turbine to generate electricity. The project produces 16MW of on-site power, displacing electricity that would otherwise have been drawn from fossil fuel power stations.

The project helps to meet India's sustainable development needs by reducing its dependence on fossil fuels. The waste heat recovery system also leads to lower levels of pollutants such as sulphur, nitrogen oxides and reduces dust laden gases.

Resource conservation projects are often underestimated as an energy source and can involve high capital costs. Carbon finance helps increase the financial viability of energy efficiency technologies that would otherwise have not been implemented. These funds provide the impetus needed to promote the growth of other clean energy technology and help India on a sustainable development path.

