

Energy Efficiency Projects

Kotmar Waste Heat Recovery Project

This energy efficiency project in India captures waste heat at a steel plant and uses it to produce electricity which is subsequently fed into the local grid. The project has generated emission reductions of 74,263 tCO₂ equivalent between 2004 and 2007, verified and certified to the Voluntary Carbon Standard.

Technology partner

Ind Synergy Limited

Country

India

About your project

Kotmar Waste Heat Recovery Project

This energy efficiency project is based at a steel plant near Kotmar, in the central state of Chhattisgarh. Flue gases coming from the kiln were previously vented directly into the atmosphere. The project installs a waste heat recovery boiler which extracts the heat from the flue gases to generate steam. The steam drives a turbine, which in turn generates electricity for on-site use and supply into the local electricity grid. This displaces electricity that would otherwise have been generated by fossil-fuel power stations coal being the predominant fuel in India.



The project also helps meet India's sustainable development needs. It has created employment opportunities for up to 50 people and the project contributes to stabilizing the local electricity supply which helps local economic activity. The waste heat recovery system also leads to lower emissions of pollutants such as sulphur and nitrogen oxides.



Without a clear stimulus to implement energy efficiency technologies, such projects would not happen. Carbon credits can make such projects financially viable and this is where funds generated from climate change programmes organised by The CarbonNeutral Company play their part. Furthermore, it will help promote the growth of other energy efficient industrial processes to help India achieve a clean development path.

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The CarbonNeutral Company
protecting our climate


Balance is all

It's a fact of modern life that almost everything we do – flying, driving, even making a cup of tea – involves burning fossil fuels like oil, gas and coal. This in turn contributes CO₂ to the atmosphere and adds to global warming, the big issue now facing our generation.

All our gifts and packages recognise this by giving you a chance to balance out some of that CO₂. So for every kilo of CO₂ you produce, we invest in projects around the world that save equivalent amounts of CO₂.

These projects also benefit local communities directly in a variety of ways. Our solar and hydro schemes for example help stimulate local economies, improve health and create work, while our forestry projects recreate native woodland and valuable wildlife habitats.

These are just some of the ways we're making moves on climate change. Visit www.carbonneutral.com for the full story.



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