Project Summary:

Purpose: Scale-up access to renewable energy
Project Term: 2007 - 2014
IBRD Financing: US$400 million
Project ID: P095114
Mitigation: Renewable energy

Rampur Hydropower Project

India produces 4% of the world's total CO2 emissions annually. It is projected that the country will produce 13% of the world's total emissions by 2031 under “business as usual”. India has committed to bring electricity to 100% of its population, however, and efficient electrical power in most rural regions is rare.

The goal of this project is to add renewable, low-carbon hydroelectric power to India’s northern electricity grid, and improve the effectiveness and environmental and social sustainability of hydropower design and management in India. The project finances the construction of the 412 MW Rampur run-of-the-river hydroelectric scheme. It utilizes the flow of the river to drive turbines in a downstream surface powerhouse instead of flooding a large area in a dam or reservoir. The project is part of India's plans to increase provision of renewable energy to provide electricity access throughout rural areas where power is presently unavailable. This plant will be capable of annually generating about 1,770 GWh of electricity.

The environmental benefits of the Rampur hydroelectric project have been calculated with respect to business-as-usual coal or oil-based generation resulting in projected reductions of 1.4 million metric tons of CO2 eq per year.

More Information: