Project Example in India

**Project Summary:**

**Purpose:** To strengthen India's transmission infrastructure resulting in decreased greenhouse gas emissions through efficiency gains

**Timeframe:** 2008 - 2014

**IBRD Financing:** US$600 million

**Project ID:** P101653

**Mitigation:** Access to renewable energy (hydropower) in underserved areas through better interregional power exchange. Also increased efficiency of transmission

**Power System Development Project IV**

India's weak power infrastructure constrains India's full growth potential and leaves many households without electricity services. The inefficiency of the power system contributes to environmental problems by forcing 60% of Indian firms and 40% of households to use diesel generators as back-up power sources. In addition, the poor connectivity between regions restricts India's ability to transfer surplus hydropower resulting in growing pressure to build additional coal-based power generation.

The project is will have a positive development impact by helping expand the transmission system and capacity and reduce transmission losses. It supports India's clean energy initiative by strengthening India's ability to transfer surplus hydro energy to power deficit regions in India, increase transmission efficiency, and avoid building additional coal-based generation.

The project's target is to grow power exchange between regions from 37,750 GWh to 58,000 GWh and increase transmission capacity from 59,400 km to 95,000 km.

More Information: