



CDM PROJECT CO-BENEFITS IN THE SAYAN DISTRICT, LIMA, PERU

Micro hydro power delivering community infrastructure and services

<p>Project description</p>	<p>The Santa Rosa Project is a bundled small run-of-river hydroelectric power scheme comprising 4.1 MW of installed capacity at three separate units (1.1 MW, 1.5 MW, 1.5 MW) located in the Sayan District, Lima, Peru.</p> <p>The turbines are placed in slipstreams at three locations on the existing channel feeding water from the Huara River to the Santa Rosa irrigation zone. Electricity is supplied to the local electricity grid, helping to improve the quality of electricity services in the region.</p>
<p>Co-benefits</p>	<p>The project illustrates how the CDM can deliver a range of benefits for small rural communities, by:</p> <ul style="list-style-type: none">• Creating a fund from CDM revenues which is dedicated to investments in local infrastructure and services, including the construction of a computer laboratory to grant access to computers for the first time for many local families• Improving computer literacy for students, as well as adults through evening and weekend classes• Providing free electricity to a local orphanage for around 50 orphans• In future phases, constructing two new classrooms, a community centre and a local park, and reforesting the main street in the town of La Merced

"The project proponents established a community benefits plan requiring a portion of CDM revenues to be set aside for investment into local community-based projects." (Statement by the project participant)

KEY PROJECT BENEFIT

Investing CDM revenues back into local community projects

Local infrastructure improvements include a computer laboratory at a local school, plus computer literacy training for children and adults

Students in their computer laboratory at the local school, La Merced
(Courtesy of the World Bank)






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CO-BENEFITS IN DETAIL

<p>Economic</p>	<ul style="list-style-type: none"> • Invests around US\$ 35,000 of CDM revenues into local community projects and social services, which has been used to construct a computer laboratory with 14 computers at the school in the town of La Merced • Provides electricity to a local orphanage (Association Achalay) of around 100,000 kWh per year at no cost • Enables planned construction of a community centre and two new classrooms for the school in La Merced
<p>Social</p>	<ul style="list-style-type: none"> • Improves environment and recreational facilities in the local town, including a new park and reforestation of the main street • Grants computer access to people of La Merced, including training during evenings and weekends • Buys Christmas presents for local schoolchildren • Supports an orphanage which accommodates around 50 disadvantaged youth from the city of Lima
<p>Empowerment</p>	<ul style="list-style-type: none"> • Enables exposure and access to computing, a first for the area • Enhances educational and vocational training opportunities for La Merced • Empowers adults with new skills in the labour market • Gives opportunity to learn about climate change and to contribute to decisions made at the community level

PROJECT FACTS

<p>Project title & number</p>	<p>Santa Rosa Micro Hydro Project – 88</p>	
<p>Project type & methodology</p>	<p>Hydro – Run of river AMS-I.D - Grid Connected Renewable Energy Generation</p>	 
<p>Location</p>	<p>Sayan District, Lima, Peru Lat: 11° 3' 43" S Long: 75° 20' 6" W</p>	
<p>History & CERs</p>	<p>Registered: 23 October 2003 Project operational life: 21 years Expected CERs: 13,845 (tCO₂ eq/year) Expected total CERs: 290,745 (tCO₂ eq) CERs issued to date: 22,801</p>	 <p>The micro hydro system the Sayan District (courtesy of the World Bank)</p>
<p>Project link</p>	<p>http://cdm.unfccc.int/Projects/DB/SGS-UKL1125047848.33/view</p>	
<p>Facts as at</p>	<p>November 2010</p>	

This factsheet has been compiled from information provided by project participants of the CDM project, either through the project design document, monitoring reports or subsequent correspondence with project participants. The information is not verified as part of the CDM registration or issuance processes. This factsheet is one of a series produced by the UNFCCC secretariat to highlight the types of co-benefits generated by the CDM.