

Incomex Hydroelectric Project

Reducing CO2 emissions by generating renewable energy

ECO SECURITIES

Project Type

Clean Development Mechanism

Estimated Annual Emission Reductions

270,000 tCO2e

Available Vintages

2013-2017

Sectoral Scope

Renewable Energy - Water

Registration Number

0968



Brazil





CONTEXT / HISTORICAL SUMMARY

Rondônia is historically one of the states with highest Amazon deforestation rates in Brazil, comprising more than 20,000 km² or almost 14% of the total Amazon deforestation. The project contributes to the Amazon Forest biome preservation in its surroundings and recovering river side vegetation.

The project validation, performed by DNV GL, started on 2005. The registration in the UNFCCC website occurred on 2007, with the first verification and issuance of offsets on 2008.

In total, the project had eight successful issuance processes. All offsets until 31/01/2015 are already issued, with remaining offsets properly monitored according to the CDM rules, monitoring plan and applicable CDM methodology. Therefore, it has full capability of performing a new verification as soon as needed.

The project has an estimated offset yield of around 95000 tCO₂e per year. The crediting period had already been renewed twice, with the last period expiring on 31/01/2022.



THE PROJECT

The Project consists of three small run of river hydropower plants which supplies clean renewable electricity to a very remote area in the North of Brazil. The project reduces CO₂ emissions by generating renewable energy instead of diesel fueled energy and helps to develop this much-needed area both socially and economically.

The SHPs were built in the Rondônia state region, western Amazon and part of the South Amazon Plateau (one of the sections from the Brazilian Central Plateau). This area is characterised for being an intersection between the Amazonian and the Cerrado biomes, the two main biomes from Brazil and the two most impacted by anthropic activities.

The SHPs Monte Belo (4.6 MW) and Rio Branco (7.14 MW) are located in the municipality of Alta Floresta d'Oeste, Rondônia state, northern region of Brazil. The SHP Cabixi II (2.81 MW) is located in the municipality of Comodoro, Mato Grosso state, in a place very close to the border between both states, and deliver its electricity to the Rondônia state.



BENEFITS

Employment and Income Generation

- 25 direct jobs
- 100 estimated jobs during construction
- 20 estimated indirect jobs

Socio-environmental reach

- 300 families per year

The Cassol Energia Group develops, in the region of Zona da Mata, projects of archaeological valorisation, local culture and environmental education in schools. It also carries out specific actions for the recovery of degraded areas, rescue of fauna and monitoring of the rivers' ichthyofauna.

These initiatives are characterised by occasional activities in some schools in the region with lectures, group dynamics and artistic and recreational presentations. In addition, both in schools and in municipalities, the company develops environmental awareness programs through the presentation of stands at events.

The schools are also invited to take their students for a day to visit the SHPs of the group. Teachers also participate in the activities, and may act later as multipliers of this information.

CASSOL ENERGIA GROUP

The Cassol Group began its activities in the wood sector. The Cassol family settled in Zona da Mata, where they started in the cattle business and since 1992 they have been working in electricity generation. Due to the great lack of energy in the State of Rondônia and the consequent demand, the Cassol Group concentrated its work in this branch, building 5 SHPs (Small Hydroelectric Power Plants) so far.

All SHP's supply the population of the State of Rondônia in electricity.

Using 100% national technology, the company estimates progress and thus encourages regional industry, showing its commitment to promote the development of Rondonia and Brazil.

ECOSECURITIES

EcoSecurities is a pioneer in carbon markets and greenhouse gas (GHG) mitigation projects worldwide. We are experts in sourcing, developing and financing projects with a positive environmental impact. Founded in 1997, EcoSecurities grew to become the largest and most influential company in this sector. Today, EcoSecurities is an Environmental finance boutique, with an international presence in 5 continents and a portfolio of more than 100 projects capable of generating carbon credits. EcoSecurities provides technical and financial services to projects, companies and governments. We bring access to environmental markets such as carbon markets, renewable energy certificates, plastic recycling credits, etc.

