

Developed by



European Bank
for Reconstruction and Development

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PROJECT DESCRIPTION

The plant is a run off the river type based on 2 horizontal axis Francis turbines with total rated power of 36.3 MWm / 35.7 MWe. The plant is expected to produce 104.15 GWh equivalent to cover the demand for over 47 thousand households. The energy produced will allow saving around 55,928 tCO₂/year.

CARBON FINANCE

The Project Sponsor decided to go for the Gold Standard certification and has already signed an agreement with a local project developer .

ENVIRONMENTAL AND SOCIAL KEY ISSUES

- Potential pollution/contaminant emissions during construction activities;
- Use of forest area;
- Water biota impacts;
- Noise, vibrations,
- Stakeholder engagement

MITIGATIONS/SUCCESSFUL IMPLEMENTATION

- Supervision of the construction activities by environmental, social and health & safety experts to avoid, prevent, minimize and monitor potential adverse impacts on the affected social and environmental compounds;
- All required permits have been received.
- Installation of fish protection device to avoid fishes entering the transmission channel to the power house;
- Flow rate measurement station will be established to check if the flow rate downstream
- Biota status monitoring during operation phase;
- Noise monitoring campaign is recommended during construction to assure a noise acceptable level for the nearest settlements
- Cumulative Impact Assessment to control water flow availability.
- Stakeholder Engagement Plan implementation to involve and inform the stakeholders and to reduce the risk of conflicts with ensuring good public relations.

GENERAL INFORMATION

Project Location	Giresun Province
Technology	Hydroelectric Power Plant
Plant Capacity	36.3 MWm
Annual Energy Production	104.15 GWh/year
Annual CO ₂ Reduction	55,928 tCO ₂ /year

TIME SCHEDULE

Start of Construction	January 2012
Expected Commercial Operation	July 2014

FINANCIAL PARAMETERS

Total Project Cost	EUR 44,500,000
MidSEFF Loan	EUR 43,900,000
Payback Time	6.6 years
Internal Rate of Return	12.33 %