

Developed by



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PROJECT DESCRIPTION

The plant is a run off river with 9.01 MWe installed capacity. Its configuration is with 2x3.8 MW +1.6 MWm horizontal axis Francis turbines. The plant is expected to produce 32.03 GWh/year. which corresponds to the demand of over 31 thousand households.

CARBON FINANCE

The energy produced will avoid CO₂ emissions amounting to 17,039 tCO₂/year. The Project Sponsor is not considering carbon finance.

ENVIRONMENTAL AND SOCIAL KEY ISSUES

- Potential pollution/contaminant emissions during construction;
- Water biota impacts;
- Cumulative impact with other HEPPs and power connection line;
- 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 compounds;
- Monitoring of biota status during operation phase;
- Assessment of the overall impact with other HEPPs and power transmission line construction;
- Engagement of stakeholders to involve and inform them and to reduce the risk of conflicts while ensuring good public relations.

GENERAL INFORMATION

Project Location	Pazarçık District, Kahramanmaraş Province
Technology	Hydro Power Plant
Plant Capacity	9.2 MWm
Annual Energy Production	32.03 GWh/year
Annual CO₂ Reduction	17,039tCO ₂ /year

TIME SCHEDULE

Start of Construction	November 2012
Expected Commercial Operation	December 2015

FINANCIAL PARAMETERS

Total Project Cost	EUR 21,732,197
MidSEFF Loan	EUR 5,832,197
Payback Time	6.9 years
Internal Rate of Return	11.9 %