

Developed by



European Bank
for Reconstruction and Development

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PROJECT DESCRIPTION

The plant is a run off river with 22.64 MWe installed capacity. Its configuration is with 2x11.32 MWe horizontal axis Francis turbines. The plant is expected to produce 69.42 GWh/year which corresponds to the demand of over 31 thousand households.

CARBON FINANCE

The energy produced will avoid CO₂ emissions amounting to 38,425 tCO₂/year. The Sponsor is in contact with a dedicated Carbon Consultant for the development of the project.

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 HPPs 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	Mersin Province
Technology	Hydroelectric Power Plant
Plant Capacity	22.64 MWe
Annual Energy Production	69.42 GWh/year
Annual CO ₂ Reduction	38,425 tCO ₂ /year

TIME SCHEDULE

Start of Construction	January 2013
Expected Commercial Operation	December 2015

FINANCIAL PARAMETERS

Total Project Cost	EUR 29,600,000
MidSEFF Loan	EUR 15,300,000
Payback Time	6.36 years
Internal Rate of Return	12.24 %