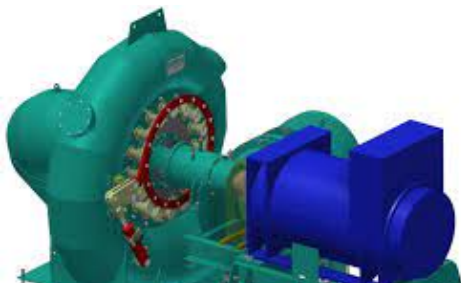


LTD KCIA-94 – Electric Power Generation



The long history of the mini hydro-power plant (HPP) on the Dashbashi river, Georgia's Tsalka region starts all the way back in 1935. Having supplied electricity to local residents and businesses for more than 85 years, the facility continues being of strategic importance for the region. The hydro-power plant is currently owned and operated the limited liability company LTD KCIA 94.

The region around the Dashbashi river is one of the most beautiful nature spots in Georgia. This places a big responsibility of ethical business operations on any company active in the region, but especially on one whose operation has a direct Impact on the river itself. LTD KCIA 94 takes this responsibility very seriously.

The company started an investment programme to increase the output capacity of the HPP while improving the health and safety of the workforce and minimizing any environmental impact, by replacing the 500kW hydraulic units against a new, modern turbine. With 2,125kW, the new turbine has more than 4 times the capacity of the old one, is safer and more environmentally friendly.

Procurement, import and installation of the new turbine was financed through a EU4Business-EBRD Credit Line loan, and the company received free-of-charge technical support from a team of international experts for the optimization of the investment.

Furthermore, after the successful implementation and verification of this project, the company received 15% of the loan value as a grant incentive, funded under the EU4Business initiative of the European Union.

With the implementation of this project, the company now meets wide variety of European standards:

- Directive 2009/28/EC on the promotion of the use of energy from renewable sources and amending and subsequently repealing Directives 2001/77/EC and 2003/30/EC
- Directive 2006/42/EC on machinery, and amending Directive 95/16/EC
- Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits

Loan Amount	€ 505,985.00
Grant amount	€ 75,897.75
Invested in	Replacement of one hydro turbine in the mini hydro power plant
EU Directives met	Renewable Energy and Health and Safety of workers
Energy Savings and GHG reduction	18,011 GJ/y 441 tCO ₂ /y Utilization Factor 30 %

Implementation Consultants

