

Dariali Hydroelectric Power Project



Dariali Hydroelectric Power Project developed by JSC Dariali Energy, is a grid-connected hydropower plant with a run-of-river reservoir in Kazbegi region, in Georgia.

Total installed capacity of the Project will be 108 MW consisting of 3 sets of 36 MW turbine and generator, with a predicted electricity supply to the grid of 505 GWh per annum. As such the Project is a Type I renewable energy project under Sectoral scope 1.

The purpose of the Project is to utilise the hydrological resources of the Tergi River in order to generate low emissions electricity for the Georgia national grid, thereby displacing electricity that is relatively carbon intensive, with a Combined Margin Emission Factor of 0.51333 tCO₂/MWh, and reducing greenhouse gas (GHG) emissions. The baseline scenario is the same as the scenario existing prior to the start of the implementation of the project activity: Electricity delivered to the Grid by the Project would have otherwise been generated by the operation of grid-connected power plants, and by the addition of new generation sources.



Key facts

Country

Georgia

Technology

Hydroelectric

Crediting Period

31 Jan 16 - 30 Jan 26 (Fixed)

Amount of Reductions

259,229 metric tonnes CO₂ equivalent per annum

Activity Scale

Large

