

Çayırhan-B coal power plant Turkey

Sectors: Coal Electric Power Generation

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By: BankTrack & CAN Europe

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Status

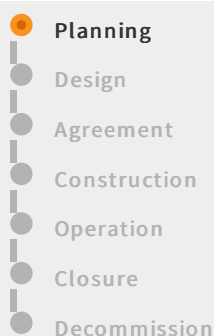


Sectors

Coal Electric Power Generation

Location

Status



Website

<http://www.parktermik.com/>

About Çayırhan-B coal power plant

The Çayırhan-B coal power plant is a planned 800MW extension to the existing 620MW Çayırhan coal power plant. Like the existing plant, it would be fueled by the Çayırhan II lignite mine. It is expected to cost USD 1.1 billion.

Latest developments

Electricity Market Regulatory Authority cancels license of Cayirhan B project

Mar 12 2021

Why this profile?

The planned extension of the Çayırhan coal power plant will have adverse impacts on both people and the planet. The power plant will emit more than 4 million tonnes of CO2 into the air, worsening climate change and negatively impacting public health.

What must happen

The Paris Climate Agreement goals require a managed decline of fossil fuel production. The construction of new coal power plants is not compatible with this goal. Banks must immediately stop financing new coal power plant developments anywhere in the world. As such, banks should steer clear of financing this project.

Impacts

Social and human rights impacts

Effects on farm land According to the [EIA report](#), the Çayırhan B coal plant will be constructed on 740 hectares of land, of which 65% is productive farming land. Since the plant area has no overground water supply available, it will have to use 40 tonnes of underground water per day. Use of this water resource is expected to have devastating effects on farming.

Environmental and climate impacts

Climate and air pollution impacts Electricity demand in Turkey is rapidly increasing, and the power industry is the largest source of greenhouse gas emissions. The Çayırhan-B coal power plant [is expected to produce](#) 4 million tonnes of CO2 each year, increasing the negative effects on the environment and climate change. The plant will produce 1 million tonnes of ash per year, and because of the winds in the area, this ash will be spread over a wide area. The Çayırhan plant, which has been in existence since 1978, has a track record of [polluting the water and soil](#) with heavy metals.

Local bird sanctuary under threat The Çayırhan coal power plant is only 5.9 kilometres away from a [bird sanctuary at Davutoğlan](#) in the Nallıhan district. This sanctuary has more than 200 bird species, and is located in a bird migratory route. This area falls under the Ramsar Agreement, an international treaty on the protection of wetlands. The sanctuary is protected under two different statuses: one is 'natural preserve', given in 1994, and the second is 'wildlife cultivation area', given in 2005.

Governance

Applicable norms and standards

Ramsar Convention

Updates

Electricity Market Regulatory Authority cancels license of Cayirhan B project

Mar 12 2021

The Turkish Electricity Market Regulatory Authority (EMRA) has cancelled the license of Cayirhan B project. It was the first project to be privatised under a new law aimed at offering developers off-the-shelf sites, a strategy that places responsibility for securing permits and vital checks and balances, such as environmental impact assessments, land expropriation, and building permissions in the hands of state-owned company EÜAŞ, before offering them up to tender at private auctions ([Europe Beyond Coal](#)).

Related companies

Following the July 2019 withdrawal of Çelikler Holding from the project, Kolin and Kalyon Group are the remaining project developers.

Harbin Electric China
Construction

Kalyon Group Turkey

Kolin Turkey

Çelikler Holding Turkey
Withdrew in July 2019