

Potential of the Thar lignite deposit increased

Financing feasibility through bankable feasibility study



Location

Pakistan



Client

Sindh Coal Authority



Expertise

Bankable Feasibility, Mine Planning and Modelling, Geology, Exploration and Drilling, Economic Evaluation, Hydrology, Environmental Aspects, Procurement, Cost Analysis, Infrastructure, Power Generation

Our Services



- Data reviews and analysis
- Exploration drilling
- Hydrological drilling and pump tests
- Geological/Hydrological modelling
- Coal reserve estimation * Mine design and dump plan
- Surface and groundwater control design
- Assessment of mine equipment and infrastructure
- Environmental and social impact assessment
- Economic evaluation
- Bankable feasibility study

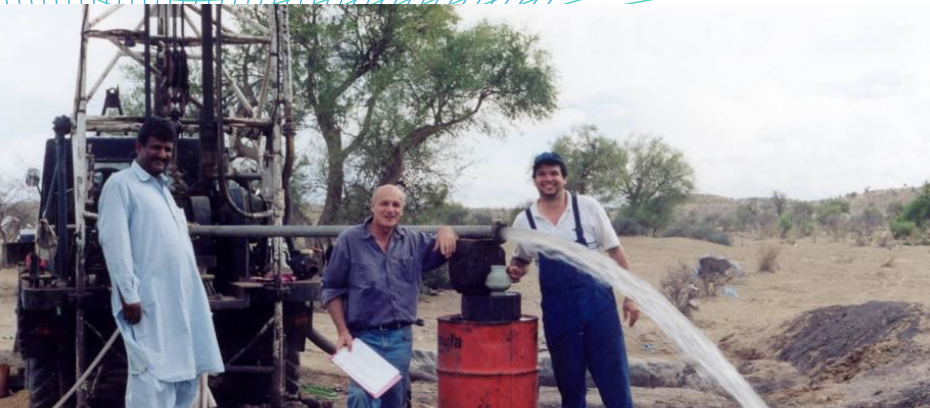
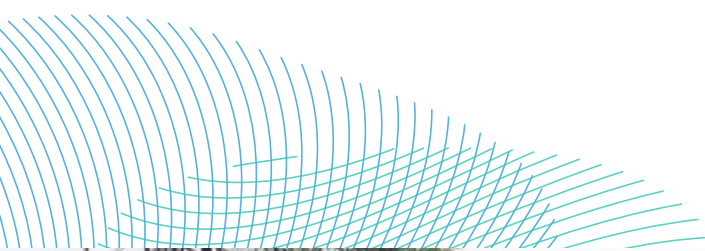
Project description



For the projected development of coal-fired power plants near Karachi, RWE conducted a bankable feasibility study on behalf of Sindh Coal Authority (Pakistan). Our mining specialists identified and evaluated the potential for investment opportunities of utilising the Thar lignite deposit for conventional generation under technical and cost aspects. In addition to addressing mining and coal ash disposal aspects, the study also had to estimate the coal-feed requirements of a 1,000-MW mine-mouth power plant and carry out a social and environmental baseline survey. An in-fill exploration drilling program of 30 holes with a total length of 6,500 m and a groundwater pump test were part of the study. The actual drilling works were subcontracted to the Geological Survey of Pakistan and were supervised by RWE staff. The Thar coal field approx. 400 miles east of Karachi in the Sindh Province in Pakistan covers 9,100 km² and represents a considerable domestic lignite fuel resource. Utilisation of this resource was hitherto not feasible or economically viable, due to the lack of cooling water resources and distance to the electricity consumption centres. However, with the decline of domestic natural gas resources, increasing world market prices for coal, oil and gas and increasing domestic electricity demand, the development of the Thar lignite deposit has moved again into focus. Development of the project is further complicated through need for minimising the impact of any operation on the agricultural activities and in particular the precarious water supply of the local population.

Making Energy Projects Bankable Feasible

RWE's pre-investment consultancy services helps you build your energy project efficiently and cost-effectively, minimising risk and increasing bankability.



Naher Osten & APAC

