

05MW Olkaria II Power Station

Olkaria II Power Station is one of Africa's largest Geothermal Power Station. It generates 70MW and is the second geothermal plant owned and operated by KenGen. ▼

The second phase of Olkaria II was commissioned in 2010 injecting an extra 35 MW of power making a total of 150MW of power produced through geothermal means.

The Power Station is located in the North Eastern sector of the greater Olkaria geothermal field. Wells were drilled between 1986 and 1993 but construction of the power plant was delayed until the year 2000 when funds became available. The project was co-financed by the World Bank, the European Investment Bank, KfW of Germany and KenGen. Designed and constructed with an advantage of newer technology, this state-of-the-art plant is highly efficient in steam utilization. It works on single flash plant cycle with a steam consumption of 7.5 t/h/MW. The turbines are single flow six stage condensing with direct contact spray jet condenser.

The power generated is transmitted to the national grid via 220 kv double circuit line