

# Pakistan valley power storage thermal reservoir

Can Pakistan generate electricity from geothermal reservoirs?

This power generation is further exceeded to approximately 9000 MW . Pakistan is abundant in geothermal reservoirs of moderate temperature,the country has the potentialgenerate electricity from geothermal reservoirs using Binary Cycle Power Plants.

What is the temperature of a geothermal reservoir in Pakistan?

Geothermal fluid is sent back to reservoir for maintaining internal temperature of the geothermal reservoir. Furthermore, binary cycle plant operated at temperature 85-175 °C. The temperature has very less carbon emission . Pakistan has plenty of geothermal reservoirs having Moderate and low temperature.

Can Pakistan generate electricity by introducing binary cycle power plants?

The Binary Cycle Power plant operate at medium temperature. Therefore,Pakistan can generate electricityby introducing binary cycle power plants . Fig. 18. Binary cycle geothermal power plant.

Pakistan has a total installed power generation capacity of 49,270 MW as of 13 September, 2024 which includes 28,766 MW thermal, 11,519 MW hydroelectric, 1,838 MW wind, 780 MW solar, 249 MW bagasse, 3,620 MW nuclear and 2,498 MW of net metering capacity.



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