

This is Distribution of Geothermal Power Generation in Indonesia

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JAKARTA - Geothermal energy resources in Indonesia are estimated to reach around 28.5 Giga Watt electrical (GWe) which consists of 11,073 MW of resources and reserves of 17,453 MW, making Indonesia one of the largest geothermal resources in the world. The existence of this energy source is closely related to the position of Indonesia which is on the world tectonic framework. As one of the most potential renewable energy sources, the Government continues to push for increased geothermal utilization in Indonesia.

Based on the latest data from the Directorate of Geothermal, Directorate General of New Energy, Renewable and Energy Conservation, the utilized geothermal resources have reached 1,948.5 MW consisting of 13 Geothermal Power Plants (PLTP) in 11 Geothermal Working Areas (WKP).

Distribution 13 Geothermal Power Plant (PLTP) installed based on geographical location from western to eastern part of Indonesia as follows:

No	Geothermal Power Plant	Developer / Operator	Total Capacity	Geothermal Working Area(WKP), Location
1	PLTP Sibayak	PT Pertamina Geothermal Energy	12 MW	Sibayak - Sinabung, Sumatera Utara

2	PLTP Sarulla	Sarulla Operation Ltd	330 MW	Sibual-buali, Sumatera Utara
3	PLTP Ulubelu	PT Pertamina Geothermal Energy	220 MW	Waypanas, Lampung
4	PLTP Salak	PT Star Energy Geothermal Salak. Ltd	377 MW	Cibeureum - Parabakti, Jawa Barat
5	PLTP Wayang Windu	Star Energy Geothermal Wayang Windu	227 MW	Pangalengan, Jawa Barat
6	PLTP Patuha	PT Geo Dipa Energy	55 MW	Pangalengan, Jawa Barat
7	PLTP Kamojang	PT Pertamina Geothermal Energy	235 MW	Kamojang - Darajat, Jawa Barat
8	PLTP Darajat	Star Energy Geothermal Drajat	270 MW	Kamojang - Darajat, Jawa Barat
9	PLTP Dieng	PT Geo Dipa Energy	60 MW	Dataran Tinggi Dieng, Jawa Tengah
10	PLTP Karaha	PT Pertamina Geothermal Energy	30 MW	Karaha Bodas, Jawa Barat
11	PLTP Matalako	PT Perusahaan Listrik Negara	2,5 MW	Matalako, NTT
12	PLTP Ulumbu	PT Perusahaan Listrik Negara	10 MW	Ulumbu, NTT
13	PLTP Lahendong	PT Pertamina Geothermal Energy	120 MW	Lahendong - Tompasso, Sulawesi Utara

Especially for Karaha Geothermal Power Plant (PLTP), just commercially operated on April 6, 2018. With the operation of this Karaha Geothermal Power Plant (PLTP), able to illuminate 33 thousand houses in Tasikmalaya and surrounding areas. This achievement is the realization of the government's proposed 35,000 MW program, which will improve the reliability of Java-Bali transmission systems with an additional 227 Giga Watt hour (GWh) of electricity per year.

Furthermore, in the second quarter of 2018, it is planned that additional installed capacity of 110 MW consists of: Geothermal Power Plant (PLTP), Sorik Marapi Modullar Unit 1, Geothermal Power Plant (PLTP), Sorik Marapi Marapi Modullar Unit 2, Geothermal Power Plant (PLTP), Balai Unit 1 and Geothermal Power Plant (PLTP), Sokoria Unit 1.

In the future, the development of the geothermal industry is expected to reach the eastern region of Indonesia and its utilization not only as a generator can also be used directly as for agriculture industry (for example drying of agricultural produce, sterilization of plant media, and cultivation of certain plants) tours that have been done at this time. DEP / KO (kay)