

Electricity market trends indonesia

The Indonesia Power Market size in terms of installed base is expected to grow from 86.83 gigawatt in 2024 to 108.79 gigawatt by 2029, at a CAGR of 4.61% during the forecast period (2024-2029).

Power generation is the generation of electricity through various primary sources such as coal, hydro, solar, thermal, etc. In utilities, it's a step prior to its delivery to end users. The process is followed by transmission and distribution. Under this, the power generated is distributed via high-voltage lines (transmission lines) and low-voltage lines (distribution lines) as per the requirements of the end user.

Indonesia's power market is segmented by power generation source, power transmission and distribution. By power generation source, the market is segmented into oil and natural gas, coal, and renewables. For each segment, market sizing and forecasts have been done based on installed capacity in gigawatts (GW).

The Indonesian power market is moderately consolidated. Some of the major players involved in the market (in no particular order) include PT Perusahaan Listrik Negara, CanadianSolar Inc., PT PP Persero Tbk, BCPG Public Company Limited, and Sindicatum Renewable Energy Company Pte Ltd., among others.

PT Perusahaan Listrik Negara aims to produce 23% of its electricity through renewable energy sources by 2025. Thus, to achieve this, the company has laid out plans for co-firing biomass in its coal power plants to generate electricity and consequently increase its share of clean energy.

Due to the monopoly on the country's electric sector, the company has a strong market position enabling it to work with some of the biggest electricity power generation companies worldwide. This gives the company a strong competitive edge compared to other market players in the country.

For instance, in November 2022, the company signed a memorandum of understanding (MoU) with Mitsubishi Heavy Industries to perform feasibility studies of co-firing 100% biomass in its coal power plants. Moreover, the MoU further includes developing efficient techniques for biomass energy generation. These collaborations with leading global players maintain the company's strong position in the market.

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