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Profit model of Laos energy storage power station

Overview

How is electricity sold in Lao PDR?

The business of selling electricity in Lao PDR is regulated by the Electricity Law, with one state-owned company – EDL – selling domestic electricity. EDL procures the electricity that it sells from IPPs and EDL-Gen, the domestic power producers.

What is Lao PDR's power generation capacity?

Figure 3.2 shows Lao PDR's installed power generation capacity and available power generation capacity above 1 MW. Hydropower plants account for 94% of the installed capacity of power plants in the electricity system for domestic supply.

Where does Lao PDR energy come from?

Lao PDR’s energy primarily comes from coal, oil, hydropower, and ‘others’ (including biomass, solar, and electricity for export). The combined shares of coal and oil are expected to fall to about 20% of the primary energy supply by 2050 under the carbon-neutral scenario.

How can Lao PDR-generated electricity be exported to neighbouring countries?

Integration of the Electricity System To efectively supply Lao PDR-generated electricity domestically and for export to neighbouring countries without any surplus, the power system for domestic supply should be integrated and operated with dedicated transmission lines for export.

What is the power sector in Lao PDR?

The power sector in Lao PDR is governed by MEM. The power system generators for domestic supply are the IPPs and EDL-Generation Public Company (EDL-Gen). The domestic transmission and distribution company (i.e. 115-kV and distribution lines) is EDL, and the domestic transmission company

(i.e. 500-kV and 230-kV lines) is EDL-T.

What is energy policy in Lao PDR?

Energy policy in Lao PDR has gained much public attention since the establishment of the Ministry of Energy and Mines (MEM) in 2006. Under MEM, the country’s energy policy has evolved from a singular power sector policy to broader policies supporting the development of a sustainable and environmentally friendly energy sector.

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