

## Average hybrid renewable storage price per 250MW in Peru

Is hybrid energy a viable alternative to electricity in developing countries?

The majority of rural communities in developing countries (such as Peru) are not connected to the electrical grid. Hybrid energy production from available renewable resources (e.g., wind and solar) and diesel engines is considered as an economically viable and environmentally friendly alternative for electrification in these areas.

How res-based electricity generation plant will be supported in Peru?

A depreciation regime for the income tax is the only support which is presently provided to the RES-based electricity generation plant in Peru. In case adequate incentive policies would be provided, the COE of the proposed system will be notably reduced which will aid the mentioned communities to install the proposed systems.

Who is entering the Peruvian renewables market?

Several international players, including the IFC, BBVA, KfW, FMO, IDB and Corporación Andina de Fomento, have already entered the Peruvian renewables market, most notably through participation in hydropower projects.

Do stand-alone electricity generation systems work in different climatic areas of Peru?

Techno-economic performance of stand-alone electricity generation systems for off-grid communities located in different climatic areas of Peru was investigated. Seven scenarios, including different combinations of diesel generators, wind turbine units, and solar panels, were assessed.

How can the Peruvian authority help res-based electricity generation in rural areas?

The Peruvian authority can play a notable role in facilitating the utilization of such technologies in the rural areas. A depreciation regime for the income tax is the only support which is presently provided to the RES-based electricity generation plant in Peru.

How many solar and wind projects are there in Peru?

Peru has around 4 GW of solar and wind projects under development. The Ministry of Energy and Mines (MINEM) is in charge of the energy sector, through three main Directorates: the General Directorate of Hydrocarbons (DGH), the General Directorate of Electricity (DGE), and the General Directorate of Mines (DGM).



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