

Notes for Beginners: CPEC stands for China-Pakistan Economic Corridor, a major economic project connecting Gwadar Port with China's Xinjiang region. Now, there are talks of including ...

To lower expenses and environmental impacts, the integration of plug-in hybrid electric vehicles (PHEVs) into distribution networks is vital, especially in microgrid (MG) systems. Furthermore,...

China's economic engagement with Afghanistan is evident in its investments across various vital sectors. Drawing on its financial and technical capacity, China has launched key infrastructure ...

Kabul now extracts 44 million cubic metres more water each year than nature can replace. If this continues, the aquifers that supply most of the city's water could run dry by 2030, forcing the ...

This enhanced value makes microgrid investments more attractive to stakeholders, as the combined benefits of reliability and grid services can justify the initial capital expenditure. As ...

Agriculture, the lifeline of Afghanistan's economy and the primary source of livelihood for millions of citizens, has faced unprecedented pressure over the past decade. Recurrent droughts, seasonal floods, degradation of water resources, ...

An optimal economic dispatch for a grid-connected microgrid is presented in the article [40]. Wind, diesel, and solar photovoltaics are the power sources for the microgrid. A demand response ...

As Kabul's groundwater depletes rapidly, families across the city endure daily hardship to secure drinking water, sacrificing food, income, and education. Kabul, the capital of Afghanistan, is ...

To solve this problem, a hierarchical multi-agent reinforcement learning method featuring a two-level framework is proposed, where the high-level action is used to switch decision-making ...

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Senior officials from Iran's Khorasan Razavi Province and Afghanistan's Herat Province met for talks on trade and economic issues, resulting in agreements across a broad range of sectors.

Business Afghanistan and Pakistan discuss reducing tariffs on Afghan exports The discussions aimed to boost trade, improve transit facilities, and enhance bilateral economic cooperation ...



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The expansion of railway infrastructure is rapidly becoming one of Afghanistan's most promising paths to economic revival. As a landlocked nation with historically limited access to ...

o Says Pakistan enhancing trade, rail corridor initiatives with Afghanistan to improve regional connectivity with Central Asia o Notes Islamabad now enjoys stronger global relationships, ...

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In conclusion, the proposed model presents a scalable, efficient, and sustainable solution for modern microgrid energy management, addressing both technical and economic challenges in ...



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