

Usina hidrelétrica de 33MW 4x HPP



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O Cazaquistão tem recursos hídricos abundantes, que se concentram principalmente nas regiões leste e sul do país. Atualmente, 15 grandes usinas hidrelétricas (>50 MW) com uma capacidade total de 2,25 GW representam até 13% da capacidade total de geração do país.

O Cazaquistão se posiciona como um país promissor para o desenvolvimento e a implementação de projetos hidrelétricos em seu território. O estado estabelece um plano ambicioso para atingir a participação de 50% da produção de eletricidade no país usando fontes de energia renováveis até 2050 (doravante denominada "FER").

Os recursos de energia hidrelétrica estão distribuídos por todo o país, mas três áreas têm recursos particularmente grandes: a bacia do rio Irtysh e seus principais afluentes (Bukhtarma, Uba, Ulba, Kurchum, Kardzhil), a zona sudeste com a bacia do rio Ili e a zona sul com as bacias dos rios Syrdarya, Talas e Chu.

Visão geral

O objetivo do projeto é a construção de 4x cascata de pequenas usinas hidrelétricas com uma capacidade total de 33,00 MW

O projeto tem um escopo local e regional. O projeto destina-se a cobrir a parte básica dos cronogramas de carga elétrica do centro de energia de Almaty, região de Almaty da República do Cazaquistão. A cascata no rio consiste em quatro pequenas usinas hidrelétricas. Cada UHE da cascata é uma combinação de estruturas hidráulicas e equipamentos tecnológicos, que convertem a energia gravitacional da água em energia mecânica do fluxo e, em seguida, em energia elétrica, que é posteriormente entregue aos consumidores.

Pontos-chave

- Status: Pronto para construir
- Objetivos do projeto: Construção de uma cascata de pequenas usinas hidrelétricas na região de Almaty para: uma fonte de eletricidade ecologicamente correta para fornecimento aos consumidores na região de Almaty; aumentar a confiabilidade do sistema de energia da região. – reduzir a escassez de eletricidade na região de Almaty.
- Capacidade instalada: 33 MW (estimado)
- Geração de eletricidade: 140 GW / ano (estimado)
- Tarifa de eletricidade com IVA/sem IVA: 41,23 Tenge por kWh (0,093 USD / kW)
Tecnologia: Unidades hidrelétricas com turbinas radiais-axiais (2x turbina "Ossberger" para 4 UHEs)

TARGET PRICE

\$ 12,500,000

GROSS REVENUE

\$ 0

EBITDA

\$ 0

BUSINESS TYPE

Energia renovável

COUNTRY

Cazaquistão

BUSINESS ID

L#20230498

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