

33MW 4x HPP Centrale hydroélectrique





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Le Kazakhstan dispose d'abondantes ressources hydroélectriques, principalement concentrées dans l'est et le sud du pays. Aujourd'hui, 15 grandes centrales hydroélectriques (>50 MW) d'une capacité totale de 2,25 GW représentent jusqu'à 13 % de la capacité de production totale du pays.

Le Kazakhstan se positionne comme un pays prometteur pour le développement et la mise en œuvre de projets hydroélectriques sur son territoire. L'État a établi un plan ambitieux visant à atteindre une part de 50 % de la production d'électricité dans le pays à partir de sources d'énergie renouvelables d'ici à 2050 (ci-après dénommées "SER").

Les ressources en énergie hydraulique sont réparties sur l'ensemble du territoire, mais trois régions disposent de ressources particulièrement importantes : le bassin de l'Irtych et ses principaux affluents (Bukhtarma, Uba, Ulba, Kurchum, Kardzhil), la zone sud-est avec le bassin de l'Ili, et la zone sud avec les bassins des rivières Syrdarya, Talas et Chu.

Vue d'ensemble

L'objectif du projet est la construction d'une cascade de petites centrales hydroélectriques d'une capacité totale de 33,00 MW.

Le projet a une portée locale et régionale. Le projet est destiné à couvrir la partie de base des programmes de charge électrique du centre électrique d'Almaty, dans la région d'Almaty de la République du Kazakhstan. La cascade sur la rivière se compose de 4 petites centrales hydroélectriques. Chaque centrale hydroélectrique de la cascade est une combinaison de structures hydrauliques et d'équipements technologiques qui convertissent l'énergie gravitationnelle de l'eau en énergie mécanique de l'écoulement, puis en énergie électrique, qui est ensuite fournie aux consommateurs.

Points clés

- Statut: Prêt à construire
 - Objectifs du projet: Construction d'une cascade de petites centrales hydroélectriques dans la région d'Almaty pour : une source d'électricité respectueuse de l'environnement pour l'approvisionnement des consommateurs dans la région d'Almaty ; l'augmentation de la fiabilité du système énergétique de la région. – réduire la pénurie d'électricité dans la région d'Almaty.
 - Capacité installée: 33 MW (estimation)
 - Production d'électricité: 140 GW / an (estimation)
 - Tarif de l'électricité avec TVA/sans TVA: 41,23 Tenge par kWh (0,093 USD / kW)
- Technologie: Unités hydroélectriques avec turbines à axe radial (2 turbines "Ossberger" pour 4 centrales hydroélectriques)

TARGET PRICE

\$12,500,000

GROSS REVENUE

\$0

EBITDA

\$0

BUSINESS TYPE

Centrale Électrique

COUNTRY

Kazakhstan

BUSINESS ID

L#20230498

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